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Aug 1984

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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 ON SUMMARY: 14855	STATION NAME: Glenview, Illinois	LATITUDE: 42°05'N	LONGITUDE: 87°50'W	STATION ELEV (FT): 653	CALL SIGN: KNBU	WFO NUMBER:
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE WSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1.	Weather service office located in operations building	Navy	1948	1964	42°05'N	87°50'W	645	Mercurial	
2.	Weather service office	"	1964	1966	"	"	"	"	24
3.	" " "	"	1966	1975	"	"	"	"	24
1a.	" " "	"	1963	1972	"	"	648	Aneroid	24
2a.	" " "	"	1972		"	"	"	"	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.	1948	Roof of control tower atop operations building	Selsyn	Triple	77.8'	1. Barograph (ML-3)
2.	1954	Atop building #1, southeast corner	"	"	47.0'	2. Semi-automatic met sta (AN-GMQ-14B) 21 June 1982 and prior Automatic met sta (GMQ-29B), 22 June 1982 and after
3.	1958	Selsyn replaced by Aerovane and moved to NE section of runways 17-35 and 07-25, 3000'N of weather office	UMQ-5C	RD-108B	18.0'	
4.	1975	Moved to 1030 feet ENE of weather office adjacent to taxiway, west of runway 17-35	"	"	"	3. Ceiling light (ML-121) 4. Transmissometer (AN/GMQ-10C) 5. Radar Recorder (RO 415/GMH 6) 6. RVR computer (CV 2062/GMQ 10) 7. Cloud height set (GMQ 13C)

NOCD, Federal Building

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail Occurrences of hail and small hail are included.

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

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

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

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

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

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

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

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

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

1 55 TLE IFW. TL 45-7 ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	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	DAILY	1.4	23.4	0.1	48.8	.1	59.3	35.6	50.3	10.7		67.2	1 21
FEB		1.7	23.4	5.2	45.2		56.4	36.7	52.7	7.7	.1	63.4	27
MAR		4.9	37.5	2.7	35.8	1.7	59.4	39.6	48.5	4.1	.1	63.5	99
APR		1.2	57.0	.6	10.4	1.2	55.8	33.2	45.3	.7	.4	58.8	69
MAY		1.1	55.2	.1	1.4	.6	50.3	33.8	44.4		.2	54.3	1 21
JUN		22.7	52.9			.9	46.7	34.5	54.1		.3	61.4	1 11
JUL		17.6	47.2			.5	41.7	37.9	55.9			67.9	1 74
AUG		17.7	42.3			.4	38.5	47.4	64.1			70.6	1022
SEP		17.6	43.7			.4	41.1	41.1	52.2			61.7	40
OCT		4.9	61.1		7.0		38.3	36.3	48.1			57.7	1 70
NOV		3.3	32.2	.4	24.1	.3	51.2	37.9	49.3	2.2		61.1	1005
DEC		1.4	29.3	4.5	42.9	.1	58.2	41.7	49.8	4.9		65.8	1 72
TOTALS		1.2	40.1	1.8	17.6	.4	49.8	38.1	51.2	2.5	.1	62.3	12 54

NAVWEASERVCOM

WEATHER CONDITIONS

1455
STATION

GLEWICK, IL
STATION NAME

73-82
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
4	22		8.4	.3	7.4		15.5	17.1	4.5	.3		20.6	71
	07	.3	10.6	.6	8.1		16.4	12.4	3.9	.6		21.9	71
	05		8.4	.6	6.1		14.5	29.1	9.7	1.7		36.8	71
	17		6.5	1.7	8.1		14.8	20.0	16.5	.3		35.5	71
	10	.6	8.4	.3	5.2		13.2	15.2	13.2	.6		28.7	71
	17	.3	7.7	.3	7.1		14.5	14.5	11.6	.3		26.1	71
	13	.3	9.7		4.2		13.9	17.5	10.0	.3		26.9	350
	21	1.6	11.6		4.8		15.5	16.9	5.2			21.6	710
TOTALS		.4	8.9	.4	6.4		15.0	16.5	9.2	.4		27.2	2479

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WEATHER CONDITIONS

1455
STATIONLEWIS, IL
STATION NAME73-82
YEARSAP
MONTHPERCENTAGE 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	1.7	11.0		2.0		12.7	9.0	3.3	.7		12.7	100
	01	1.7	12.3	.3	2.3		14.7	11.7	5.0	.3		16.7	200
	06	.3	11.3		3.3		14.0	19.7	8.3			27.0	300
	07		12.0		3.0		14.0	13.7	11.3			24.7	200
	12	.7	11.3		2.3		13.0	11.0	9.3			19.7	200
	15	2.0	11.0		2.7		12.7	8.7	9.0	.3		17.7	300
	14	2.3	12.7		1.3	.3	14.0	9.0	6.7	.7		16.3	200
	21	2.0	11.0		2.3		13.0	7.3	6.7	.7		14.3	300
TOTALS		1.3	11.6	.0	2.4	.0	13.5	11.3	7.5	.3		18.6	2400

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3

REF 2070-54327

WEATHER CONDITIONS

14-55 STATION GLEAVIEW, IL STATION NAME 73-82 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00	1.3	7.4				7.4	12.3	6.1			17.1	310
	07	1.3	7.4				7.4	16.1	8.1			23.9	310
	14	1.0	9.4				9.4	23.9	13.5			34.5	310
	21		10.6				10.6	13.9	15.2			27.4	310
	28	.6	8.1				3.1	7.1	15.2			21.9	310
	05	1.3	8.7				8.7	7.4	9.7		.3	16.8	310
	12	1.6	9.4				9.4	9.7	7.7			16.1	310
	19	2.3	10.6				10.6	12.9	9.0			20.0	310
TOTALS		1.2	9.0				9.0	12.9	10.6		.0	22.2	2480

NAVWEASERVCOM

3

WEATHER CONDITIONS

14355
STATIONGLENVIEW, IL
STATION NAME73-82
YEARNOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00		8.7		5.3		13.7	14.0	3.3			15.7	300
	03	.7	9.7		6.7		16.3	19.0	3.3			19.7	300
	06		6.7	.3	5.7		14.0	24.0	4.7			26.3	300
	09	.3	7.3		7.0		14.0	21.0	15.0			33.7	300
	12		7.0		4.7		11.7	13.0	15.3			27.3	300
	15	.3	5.7		6.0		11.3	11.3	10.7			20.7	300
	18	.3	8.7		4.7		12.0	13.7	7.3			22.0	300
	21	.7	12.0		5.3		16.7	14.0	3.0			15.3	300
TOTALS		.3	8.5	.0	5.7		13.7	16.3	7.8			22.3	2400

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WEATHER CONDITIONS

1455
STATION

GLEAVIEW, IL
STATION NAME

73-82
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	3.3	1.3	15.5		19.4	18.5	7.2	3.5		27.6	2482
FEB			2.9	.6	14.2		17.2	16.6	10.5	1.2		27.2	2256
MAR		.4	8.9	.4	6.4		15.0	18.5	9.2	.4		27.2	2479
APR		1.3	11.6	.0	2.4	.0	13.5	11.3	7.5	.3		18.6	2400
MAY		1.2	7.0				9.0	12.9	10.6		.0	22.2	2487
JUN		2.5	6.2				6.2	9.6	10.9			19.7	2400
JUL		2.0	5.1				5.1	7.9	19.5			27.5	2487
AUG		1.9	6.2				6.2	15.9	21.3			33.9	2487
SEP		1.1	6.9				6.9	13.1	13.3			24.6	2400
OCT		.2	7.3		.2		7.5	13.1	8.3			19.8	2487
NOV		.3	8.5	.0	5.7		13.7	16.3	7.8			22.3	2400
DEC		.0	6.2	.6	12.0		18.4	20.6	5.8	1.2		26.5	2478
TOTALS		.9	6.8	.2	4.7	.0	11.5	14.7	11.0	.5	.0	24.8	29215

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 JANUARY
STATION STATION NAME YEARS 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	1.0		1.9	1.0		40.8			34.0		3.9	9.7		35.0
NNE	3.4					31.0			41.4		10.3	10.3		34.5
NE	4.7		2.3			48.8			30.2		4.7	20.9		30.2
ENE	10.9	2.2	4.3	2.2		34.8		2.2	41.3		15.2	8.7		78.3
E	4.3	2.1	2.1	6.4		12.8		2.1	42.6		17.0	4.3		36.2
ESE	4.3	4.3	6.4	2.1		8.5		4.3	29.8	4.3	19.1			44.7
SE	3.2	6.5		3.2					32.3		22.6			51.6
SSE	4.0	2.0	12.0	10.0		26.0		2.0	38.0	4.0	16.0			24.0
S	5.7	1.3	5.0	3.1		13.8			24.5	1.9	12.6	1.9		53.5
SSW	2.2		2.7		.5	15.2			15.8		7.6	2.2		64.7
SW		.6	1.9	1.3		13.8			15.7		6.3	1.3		71.1
WSW	.9	.4	1.3	.4		8.3			12.3		8.8	1.3		73.7
W	.5		1.5	1.0		10.6			7.9		2.9	4.1		78.6
WNW	.3	.3	1.7	1.4		7.1			9.5		2.0	2.4		83.3
NW	.5					19.0			10.0		2.0	6.0		71.5
NNW	1.2		1.2	1.2		28.1			16.8		4.2	4.8		58.1
VARIABLE														
CALM	1.3		1.4			31.3			32.9	3.3	4.1			56.9
TOTAL	45	12	51	31	1	383		5	447	12	156	87		1606
% TOTAL	1.8	.5	2.1	1.2	.0	15.4		.2	18.0	.5	6.3	3.5		64.7

TOTAL NUMBER OF OBSERVATIONS 2,482

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14455

CLIFVIEW, IL

JANUARY 1973-DECEMBER 1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

HOURS LIST

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	2.9		1.0			27.2			34.0		4.9	4.9		49.5
NNE	2.4	1.2	1.2		1.2	26.8			30.5		12.2	2.4		45.1
NE	4.3	1.1	4.3	1.1		22.3			26.6		2.1	1.1		56.4
ENE	2.3	2.3	8.0	3.4	1.1	21.6			22.7		6.8	1.1		51.1
E	3.5		1.7	1.7		19.1			25.2		11.3	2.6		52.2
ESE	10.0	2.5				17.5			75.0	2.5	15.0			27.5
SE	8.1	2.7				21.6			72.4	2.7	13.5			32.4
SSE	5.9		2.9			11.8			14.7	2.9	17.6			61.8
S	1.7	.9	1.7	.9		7.8			12.9		11.2			68.1
SSW	1.4	.5	1.4			7.7			16.3	1.4	11.1			64.9
SW	1.2		1.8	1.2		8.8			10.5	1.2	15.8			67.3
WSW	1.4					7.9			11.4		10.0			75.0
W	.5		.3	.3		7.9			6.6		7.3	.6		80.4
WNW	.0					9.4			8.2		8.2	1.2		80.1
NW						20.0			7.1		4.3	2.1		72.9
NNW			7.1	.7		29.4			11.2		7.0	4.9		60.1
VARIABLE														
CALM	.4		1.9	.4		10.1			10.8	.3	13.0			68.5
TOTAL	36	8	33	12	2	319			356	19	214	26		1459
% TOTAL	1.6	.4	1.5	.5	.1	14.1			15.8	.8	9.5	1.2		64.7

TOTAL NUMBER OF OBSERVATIONS

2,256

NAWWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855

CLAVIEW, IL

JANUARY 1973-DECEMBER 1982

MARCH

STATION

STATION NAME

YEARS

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	5.5	1.5	4.4	.7		10.9			26.3		5.1	2.2		62.8
NNE	4.6	3.1	2.3			11.5		.8	27.7	.8	6.9			61.5
NE	7.7	.9	4.3		1.7	13.7			30.8	1.7	10.3	.9		53.5
ENE	6.3	4.7	9.4	3.1	.8	11.0		.8	26.8	.8	5.5	1.6		53.5
E	5.5	4.9	4.9	1.2	3.0	9.1		.6	23.8	.6	11.0	.6		55.5
ESE	4.6	11.1	1.6		3.2	3.2		1.6	33.3		17.5			41.3
SE	18.6	6.8	3.4					3.4	25.4		13.6			47.5
SSE	12.1	5.2	1.7			1.7		3.4	25.9		13.8			55.2
S	6.3	4.2	.5			2.6			17.5	1.6	12.2	.5		61.4
SSW	4.4	1.9	2.5			3.1		.6	18.2	.6	13.2			64.8
SW	2.4	3.0	1.2			3.0		.6	8.3	.6	6.5			76.2
WSW	2.9	2.2	1.5			4.4			9.5	.7	6.6			77.4
W	.4	.4	1.1			4.2			5.7		3.8			97.5
WNW	1.8	.6	1.2			5.3			5.8		6.4	.6		82.5
NW	7.1		.7	1.4		9.8			9.1		4.2	.7		78.3
NNW		1.0	2.9	1.0		12.4			10.5	1.9	10.5	1.0		69.5
VARIABLE														
CALM	4.1	.7	3.1			3.1			21.3	1.1	11.8			61.8
TOTAL	101	59	65	10	10	152		10	437	22	216	11		1661
TOTAL	4.1	2.4	2.6	.4	.4	6.1		.4	17.6	.9	8.7	.4		67.0

TOTAL NUMBER OF OBSERVATIONS

2,478

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14 55 FLEETVIEW, IL JANUARY 1973-DECEMBER 1982 APRIL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRizzle	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	12.1	3.3	4.4			4.4		.5	21.4		4.9	1.1		46.5
NNE	3.5	3.0	2.5			3.5		.5	12.0		5.0	1.0		78.5
NE	11.3	4.0	1.3		1.3	6.7		1.3	14.7		6.0			67.7
ENE	5.0	5.8	1.4			2.2		1.4	11.5		6.5	.7		74.8
E	4.5	6.1	1.7			.6		2.8	9.5		9.5			75.4
ESE	6.8	7.8	2.9		1.0	2.9		1.0	14.7	2.0	19.6			53.9
SE	3.3	11.5	1.6						9.8	1.6	14.8			62.3
SSE	3.3	9.5	2.4						19.0	1.2	4.8			67.9
S	3.6	9.8	.5			.5		2.6	11.3		11.3			66.6
SEA	4.1	11.6	1.4					2.7	10.9	.7	6.8			70.7
SW	2.3	4.7	2.3		.8	.8		1.6	3.9	.8	3.9			53.7
WSW	1.8	2.8	2.8				.9	1.8	2.8	.9	6.4			46.2
W	2.8	3.3	1.7			2.2		2.2	6.7		3.9			81.7
WNW	4.6	1.9				2.8		.9	2.8		2.8			88.0
NW	5.0	1.3	5.0			10.0		1.3	8.8		1.3	1.3		76.3
NNW	5.3		5.3	1.8		7.0		1.8	12.3		7.0	3.5		68.4
VARIABLE														
CALM	1.1	.3	.3			.3			2.4	1.7	0.1			16.6
TOTAL	117	115	46	1	4	54	1	32	252	18	173	6		1797
TOTAL	4.9	4.8	1.9	.0	.2	2.3	.0	1.3	10.5	.8	7.2	.3		74.5

TOTAL NUMBER OF OBSERVATIONS 2,400

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14155 LINDVIEW, IL JANUARY 1973-DECEMBER 1982 MAY

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	6.1	6.1	4.8					1.8	15.6		3.6			69.7
NNE	2.7	3.1	1.8					.4	17.0		8.1			72.2
NE	7.3	4.4	3.9					.6	13.3	2.2	17.6			77.6
ENE	3.8	4.3	2.2					.5	13.6	1.1	9.2			73.9
E	4.5	9.0	.5					1.5	16.1	2.5	10.6			65.0
ESE	3.0	9.0	1.0					3.0	10.0		20.0			65.0
SE	2.0	8.2						2.0	10.2		22.4			65.3
SSE	3.9	9.8						5.9	7.8		17.6			62.7
S	1.1	8.0	1.1					2.9	8.6	1.1	15.4			70.3
SSW	1.8	10.1						2.4	7.1	2.4	9.5			70.2
SW		4.3	1.7					.9	5.1	.9	9.4		.9	82.1
WSW	1.8	4.9						1.6	4.9	1.6	4.1			83.6
W		1.0	.6					.6	2.5		5.6			90.6
WNW	1.1	3.2	2.2					1.1	8.6		4.3			84.9
NW	7.4	6.8	1.7						6.8	1.7	3.4			83.1
NNW		13.3							6.7	6.7	6.7			70.0
VARIABLE														
CALM	.2	1.7	.5					.2	14.1	4.7	15.1			67.7
TOTAL	55	132	35					31	276	42	258		1	180.5
% TOTAL	2.2	5.3	1.4					1.3	11.2	1.7	10.4		.0	72.8

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14755 TLEVIEW, IL JANUARY 1973-DECEMBER 1982 JUNE

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7	5.8	1.7					3.3	10.3		3.3			72.5
NNE	.6	6.2	.6					3.7	9.3	2.5	5.6			78.3
NE	.4	1.6	.8					.3	7.9	.8	10.3			81.0
ENE	.6	8.7						3.1	10.2	.8	8.7			74.8
E	1.6	4.5						1.5	6.7		21.6			68.7
ESE	1.4	6.8						4.1	6.8	4.1	12.2			73.0
SE		13.8						6.9	17.2		20.7			56.9
SSE		13.0						5.6	9.3		16.7			66.7
S	.6	9.0	.6					2.8	6.8	2.3	15.8			67.8
SSW	.7	4.4						1.5	7.4	1.5	14.2			74.0
SW	2.0	3.3						1.3	4.6	.7	8.6			82.2
WSW	1.9	1.8						1.8	3.0	1.8	7.9			84.2
W	1.3	4.2						3.3	1.3		5.0			90.0
WNW	1.9	3.9						3.9	3.9		7.8			84.3
NW	2.3	7.0						4.7	9.3		7.0			81.4
NNW		15.2						6.5	10.9		10.9			69.6
VARIABLE CALM	.7	1.7						.7	10.1	5.8	11.0			73.9
TOTAL	24	120	5					60	186	44	253			1837
TOTAL	1.7	5.0	.2					2.5	7.8	1.8	10.5			76.5

TOTAL NUMBER OF OBSERVATIONS 2,400

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14-55 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 JULY
STATION STATION NAME YEARS 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	.6	6.2	.9					1.8	17.7	5.3	14.2			61.1
NNE	.6	1.2							14.2		12.3			75.3
NE	.7	2.1	.7					1.4	10.5	1.4	13.3			73.4
ENE	.7	2.7	1.3					1.3	6.7		16.1			74.5
E	3.2	1.9	.6					1.9	9.0		21.3			70.3
ESE	1.4	5.5						2.7	9.6		15.1			72.6
SE		10.9						4.3	15.2		30.4			58.7
SSE		13.2						2.6	21.1		36.8			42.1
S	.0	5.8	.6					3.2	2.6	1.9	31.6			58.7
SSW	1.7	2.9	.6					2.3	5.8		26.2			65.1
SW	.6	2.8	1.7					1.7	5.6	1.1	23.7			65.0
WSW	1.7	4.5						2.3	3.4		26.1			67.0
W		5.0						2.3	5.0	2.3	16.5			72.9
WNA	1.3	5.0						1.3	3.8	1.3	13.8			76.3
NW		3.2						3.2	4.8		4.8			87.3
NNW	3.4	1.7	3.4					3.4	12.1	1.7	1.7			77.6
VARIABLE														
ALM	.6	2.6	.2					1.8	0.6	3.6	16.9			71.3
TOTAL	24	91	13					49	206	38	464			1726
TOTAL	1.0	3.7	.5					2.0	6.3	1.5	18.7			69.6

TOTAL NUMBER OF OBSERVATIONS 2,480

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14355

GLENVIEW, IL

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEARS

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	1.0	4.3						3.1	17.7		13.5			70.8
NNE		3.8							18.1	1.9	19.0			67.6
NE	1.6	4.0	1.6					.8	12.8		13.6			72.0
ENE	.8	3.0	.8					.8	10.6		15.2			75.8
E	1.7	4.4	1.3						15.6	.6	25.6			58.8
ESE	2.4	1.2	2.4					1.2	14.5	7.2	28.9			54.2
SE		4.8							19.0	2.4	31.0			47.6
SSE	2.3	6.8						4.5	27.3	2.3	22.7			43.2
S	7.2	4.3						3.0	13.0	1.7	37.7			47.2
SSW	1.4	8.7						3.2	11.9	3.2	32.4			50.7
SW	.5	5.0	.6					1.7	3.3	1.1	31.1			59.4
WSW		4.0	1.1					1.7	6.8	.6	14.8			72.7
W	.6	5.5						1.8	7.3	1.2	5.5			80.5
WNW		9.3	1.3					4.0	10.7	1.3	13.3			70.7
NW	1.6	6.5	1.6					4.8	4.8	3.2	8.1			77.4
NNW	3.4	5.2	1.7					6.9	10.3	5.2	8.6			72.4
VARIABLE														
CALM	4.2	2.5	.2					.9	10.7	6.1	14.4			64.1
TOTAL	24	115	14					46	330	65	503			1570
% TOTAL	1.0	4.6	.6					1.9	13.3	2.6	20.3			63.3

TOTAL NUMBER OF OBSERVATIONS

2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 SEPTEMBER

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	4.3	5.2	7.8					1.7	17.4	1.7	2.6			68.7
NNE	2.5	5.7	2.5					1.6	10.7	2.5	6.6			75.4
NE	2.7	1.8	.9					.9	12.4		13.3			73.5
ENE		1.1	1.1						9.9	1.1	8.8			80.2
E	8.1	7.1	2.0					2.0	20.2	1.0	14.1			61.6
ESE	3.0	4.5	3.0					3.0	14.9	1.5	19.4			58.2
SE	5.9	5.9	2.9					2.9	17.6	11.8	29.4			41.2
SSE	4.0	10.0						4.0	22.0	4.0	22.0			50.0
S	2.8	3.3						.9	7.0	3.3	22.1			65.3
SSW	2.3	4.1						.9	8.6	2.3	22.3			63.6
SW			.7						5.9	2.0	12.4			79.7
WSW	.7	.7						.7	8.3	.7	11.8			81.3
W	.5	3.2	1.1					1.6	6.9		14.9			77.1
WNW	.8	6.7						3.4	2.5	.8	6.7			84.9
NW	.7	4.4	1.8					.9	8.0	.9	6.2			80.5
NNW	3.4	4.3	6.0						13.8	.9	3.4			77.6
VARIABLE														
CALM	1.0	1.6	.5						12.7	2.4	12.7			53.0
TOTAL	51	81	33					25	256	58	305			1730
% TOTAL	2.1	3.4	1.4					1.0	10.7	2.4	12.7			72.1

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14855 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 OCTOBER
STATION STATE OR NAME YEARS 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	13.1	1.2	6.0						15.5	1.2	6.0			73.8
NNE	4.6	5.6	2.8			.9		.9	17.6		7.4			70.4
NE	5.0	3.4				1.1			14.8		9.1			69.3
ENE		6.3	4.2					2.1	6.3		12.5			70.8
E	4.4	8.8	1.5					1.5	19.1		16.2			63.2
ESE	16.7								24.1		14.8			57.4
SE		2.9							11.8		20.6			70.6
SSE	16.4	9.1				1.8			29.1	1.8	18.2			41.0
S	2.9	2.6	1.5					.4	11.4	2.2	19.1			67.6
SSW	2.9	5.8							10.0	.8	7.1			76.8
SW	3.4	2.0	1.0						5.9	2.4	6.3			82.4
WSW	1.5	2.2							5.1	2.2	5.1			86.1
W	1.6	2.4	.4					.4	4.9		2.0			89.9
WNW	1.4	.7	.7						4.3		1.4			92.9
NW	2.4	.8	1.6			.8			6.4		1.6			89.6
NNW	3.7	1.8	3.7						4.6		1.8			88.1
VARIABLE CALM	1.3	1.3	.4					.2	14.4	4.4	4.2			70.3
TOTAL	87	69	27			.4		6	267	57	201			1897
TOTAL	3.5	2.8	1.1			.2		.2	10.8	2.3	8.1			76.5

TOTAL NUMBER OF OBSERVATIONS 2,480

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1455 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 NOVEMBER
STATION STATION NAME YEARS 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	11.8	5.3	3.9			3.9			13.2	1.3	1.3			67.1
NNE	11.4	1.4	2.9			7.1		1.4	28.6		14.3			51.4
NE	15.3	4.7	4.7			2.3			41.9		2.3			48.8
ENE	7.4	3.7	1.9			9.3			24.1	3.7	7.4			61.1
E	16.9	2.8	1.4		1.4	15.5		1.4	21.1	2.8	11.3			43.7
ESE	26.5	2.9	2.9			2.9			29.4	5.9	17.6			41.2
SE	10.0	13.3	3.3						26.7	3.3	26.7			30.0
SSE	8.2	8.2	4.1			2.0		2.0	20.4	2.0	26.5			40.8
S	3.6	4.9	5.8			3.1		.4	20.0	.4	10.2			64.4
SSW	3.5	2.3	1.6			1.2			10.5	1.2	7.4			77.5
SW	1.0	2.5				3.0			12.9	1.0	9.0			74.1
WSW	1.5	2.0	1.5			11.6			10.1	1.0	3.0			73.2
W	.7	.7	1.3			4.9			3.3	.7	3.9			86.3
WNW	2.1	1.4	1.4			6.3			7.6		.7			86.1
NW	3.1	.6	3.7	.6		15.4			9.9		3.7			74.7
NNW	4.7		2.7			10.1			6.8	.7	5.4			75.7
VARIABLE														
CALM	1.2	1.2	.9		.3	1.3		.9	21.6	7.0	12.1			63.7
TOTAL	99	55	52	1	2	135		7	347	43	184			1643
% TOTAL	4.1	2.3	2.2	.0	.1	5.6		.3	14.5	1.8	7.7			70.1

TOTAL NUMBER OF OBSERVATIONS 2,400

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14455 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 DECEMBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.0	1.0	3.0			27.0			37.0		1.0	1.0		47.0
NNE	10.3		1.7			13.6			33.9	1.7		1.7		54.2
NE	9.6					21.2		1.9	17.3		1.9	7.7		55.8
ENE	3.1		6.3			15.6			21.9		15.6			53.1
E	10.1	1.4	8.7	5.8		17.4			36.2	1.4	11.6			37.7
ESE	10.2		16.3	8.2		6.1			42.9	2.0	14.3			34.7
SE	6.7	6.7	4.4			13.3			33.3		8.9			51.1
SSE	1.4		4.1	1.4		11.0			21.9	1.4	16.4			53.4
S	4.5	1.4	3.2			5.0			24.0	.9	7.2			64.7
SSW	1.6	2.3	2.3	.4		2.3			17.6	.8	7.0	.8		70.7
SW	.5	3.8	1.4			7.1			19.0	1.9	2.8			71.6
WSW	1.8	1.0	1.0			12.6			15.6		6.5	1.0		71.4
W	.6		.6			11.0			10.1		5.8	1.8		75.9
WNW	1.1	1.1	1.1			10.1			8.5		3.7	2.1		77.8
NW	2.2					15.7			9.6	.6	1.1	1.7		79.2
NNW	4.3	.6	.6	1.9		25.3			16.0		1.2	3.7		63.6
VARIABLE CALM	2.7	1.6	.8	.8	.8	14.1	.8	.8	24.6	6.5	4.1	.8	.8	54.1
TOTAL	80	31	50	15		297		1	484	27	139	29		1625
TOTAL	3.2	1.3	2.0	.6		12.0		.0	19.5	1.1	5.6	1.2		65.6

TOTAL NUMBER OF OBSERVATIONS 2,478

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14455 GLENVIEW, IL JANUARY 1973-DECEMBER 1982 ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SAND AND DUST	NO WEATHER
N	5.3	3.7	3.4	.1		8.8		1.1	22.2	.7	5.3	1.5	62.5
NNE	3.6	3.3	1.6		.1	4.6		.9	18.2	.8	8.6	.6	68.9
NE	5.0	2.6	2.0	.1	.3	6.4		.7	16.9	.7	9.3	1.2	66.6
ENE	3.0	4.1	3.0	.7	.2	5.1		1.1	15.1	.6	10.2	.7	68.1
E	4.9	4.8	1.9	.8	.4	4.6		1.3	17.7	.8	15.1	.4	61.7
ESE	6.4	5.2	2.7	.6	.4	2.5		1.9	18.8	2.3	18.3		54.8
SE	4.9	8.2	1.3	.2		2.7		1.9	20.2	1.5	20.5		52.3
SSE	5.2	7.2	2.3	.9		4.4		2.3	21.4	1.6	17.8		51.9
S	3.1	4.6	1.7	.3		2.4		1.3	13.5	1.5	17.5	.2	63.0
SSW	2.3	4.4	1.0	.0	.0	2.4		1.0	11.7	1.3	13.6	.2	68.1
SW	1.2	2.6	1.1	.2	.0	3.2		.6	8.8	1.2	11.4	.1	74.0
WSW	1.3	2.1	.8	.1		4.4	.1	.8	8.2	.7	9.5	.3	76.7
W	.7	1.7	.8	.2		4.6		.8	5.9	.3	5.9	.9	82.2
WNW	1.2	2.1	.9	.2		4.6		.8	6.8	.2	5.0	.8	83.0
NW	1.8	1.5	1.2	.2		10.4		.7	8.3	.4	3.4	1.5	78.2
NNW	2.6	2.0	2.5	.7		13.5		.8	11.6	.8	5.1	2.0	69.7
VARIABLE													
CALM	1.1	1.5	.7	.1	.0	2.2		.5	16.7	2.2	11.3		67.1
TOTAL	744	888	424	70	19	1344	1	272	3846	445	3066	161	20386
TOTAL	2.5	3.0	1.5	.2	.1	4.6	.0	.9	13.2	1.5	10.5	.6	69.8

TOTAL NUMBER OF OBSERVATIONS 29,214

PAVWEASERYCOM

WOC. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

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

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

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

1-59 WILMINGTON, IL 45-87

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	01-0.4	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	4.5	27.6	2.7	9.3	5.4	7.4	4.2	1.8	1.1					31.9	1116	1.98	5.14	.27	
FEB	4.7	26.2	2.7	9.2	4.7	7.4	7.6	2.3	.7					20.1	1017	1.42	3.13	.21	
MAR	41.5	22.7	1.9	9.3	5.8	7.6	6.4	4.3	1.1					36.5	1085	2.71	5.28	.37	
APR	44.5	15.4	1.9	9.2	4.7	17.3	7.7	5.6	2.7					47.1	1110	3.63	6.25	.45	
MAY	47.6	1.4	1.7	8.3	7.7	8.5	7.4	5.8	1.8					37.7	1147	3.36	7.66	.49	
JUN	54.2	11.7	2.3	5.0	3.4	7.2	7.2	5.6	3.1	.4				34.7	1085	4.27	8.24	.77	
JUL	57.6	17.3	1.5	5.8	3.2	4.8	6.5	4.3	2.4	.5	.1			29.1	1178	3.93	11.15	.79	
AUG	71.2	10.4	1.1	5.6	3.3	6.2	4.7	5.2	2.1	.2				29.4	1147	3.14	7.26	.55	
SEP	57.7	12.7	1.7	5.4	3.7	5.5	4.6	5.2	2.4	.2				28.6	1090	3.18	7.88	.40	
OCT	61.7	12.1	1.9	6.2	4.3	5.8	3.3	3.2	1.2	.2				26.2	1147	2.27	9.14	.22	
NOV	47.5	19.3	1.9	6.1	5.7	7.9	5.6	4.1	.7					31.2	1090	2.34	5.74	.51	
DEC	41.4	25.4	2.9	7.1	6.9	6.7	5.9	2.5	1.2	.1				33.2	1147	2.47	5.09	.43	
ANNUAL	57.4	17.4	2.2	7.2	4.4	7.1	5.5	4.2	1.6	.1	.2			32.2	13336	3.58			

NAYWEASERVCOM

28721

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION LEWIS, IL STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	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	11.7	76.4	6.7	7.8	2.0	2.0	.6	.9	.7	.1	.2			21.4	1116	13.7	49.2	.7
FEB	34.7	25.5	5.7	6.8	2.7	2.0	.3	.6	.6	.1				19.7	1017	7.8	29.3	.7
MAR	27.4	21.0	5.6	5.2	1.5	1.1	.7	1.1	.6					15.7	1054	7.3	29.5	.5
APR	13.4	6.5	1.7	1.0	.7	.3	.4		.1	.1				3.1	1050	1.8	14.4	.
MAY	19.7	1.0													1147	TRACE	TRACE	.7
JUN	49.0	.1													1080	TRACE	TRACE	.7
JUL	100.0														1147	.0	.0	.0
AUG	100.0														1147	.0	.0	.0
SEP	19.7	.1													1080	TRACE	TRACE	.7
OCT	26.9	2.3	.1	.1	.2		.1	.1						.5	1147	.4	7.0	.7
NOV	75.7	15.7	2.5	2.8	.4	.5	.1	.4						7.4	1080	2.8	9.6	TRACE
DEC	57.7	24.3	5.8	5.9	2.9	1.1	1.2	.6	.7	.3				18.4	1147	9.5	35.3	TRACE
ANNUAL	11.7	10.5	2.4	2.5	.9	.6	.7	.3	.2	.7	.0			7.7	13212	41.3		

NAVWEASERVCOM

3

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

1985 GLENVIEW, IL 4-87
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01-0.4	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			MEAN	GREATEST	LEAST
JAN	2.4	2.0	13.0	7.7	7.7	13.1	7.4	3.5	.9	.				74.5	1023			
FEB	27.0	19.5	11.6	6.5	6.0	13.4	7.9	5.3	2.0					50.0	960			
MAR	60.0	15.3	5.4	4.3	2.4	6.5	7.9	.3						72.0	1054			
APR	97.0	2.4	.5	.7	.4	.4	.7							3.0	1020			
MAY	100.0														1027			
JUN	100.0														1020			
JUL	100.0														1054			
AUG	100.0														1054			
SEP	100.0														1020			
OCT	99.0	.0	.2	.1	.1									.4	1023			
NOV	16.0	7.0	3.6	1.0	.7	.9	.1							6.2	1020			
DEC	44.6	27.0	9.0	3.7	7.0	6.5	7.0	1.2						33.4	1085			
ANNUAL	71.4	7.1	3.0	2.2	1.0	3.4	2.2	.9	.2	.1				14.4	12356			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
FROM DAILY OBSERVATIONS

1455

PLENVIEW, IL

45-42

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
45				.75	2.17		.95	1.21	.72	.77	.81	.47	
46	.59	.24		.25	.56		.26			.72		1.17	
47					.96	1.37	.90	.58					
48	1.30	.91	1.85	.79	1.43	1.06	.32	.37	1.05	.48	.53	.97	1.00
49	1.21	.44	.99	.37	.50	3.76	2.19	.15	.46	.94	.60	1.24	1.00
50	1.22	1.02	.66	1.31	.31	2.05	.74	.74	1.14	.67	.34	.75	1.00
51	.67	.64	.93	.86	2.13	1.37	2.62	1.76	1.26	1.02	.33	1.23	1.00
52	1.27	.25	.87	1.25	.77	2.53	1.97	.70	.66	.14	.36	.84	1.00
53	.40	.65	1.13	.57	1.27	.85	.75	.83	.84	.22	.62	.87	1.00
54	.53	.61	1.75	2.35	.71	1.47	1.75	1.33	.17	3.56	.43	.97	1.54
55	.77	.30	.30	.64	1.70	.73	.90	.62	.65	2.30	.56	.77	1.00
56	.12	.52	.40	1.41	.70	.46	.49	1.58	.25	.72	.60	.39	1.00
57	1.23	.74	.77	.77	1.10	.94	4.96	1.36	.55	1.30	.75	.67	1.00
58	1.54	.19	.37	1.18	1.12	1.51	2.67	.60	.79	1.36	.72	.47	1.00
59	.55	.46	.70	.94	.55	1.92	1.11	1.53	1.23	1.25	1.64	.75	1.00
60	1.96	.30	.52	1.98	.97	1.12	2.06	.45	1.12	1.49	.44	.27	1.00
61	.29	.66	1.19	.55	.68	1.11	.79	.64	2.59	1.92	.59	.67	1.00
62	1.43	.60	.40	.61	1.31	1.36	1.98	1.08	1.00	.54	.79	.11	1.00
63	.43	.20	.51	1.01	.42	.54	2.36	1.06	1.05	.17	.91	.37	1.00
64	.31	.26	.86	1.47	.72	1.62	3.12	1.08	1.11	.10	1.00	.97	1.12
65	1.70	.71	.84	1.02	1.07	.56	1.18	1.32	1.35	.92	1.11	1.37	1.00
66	.64	.52	.65	1.31	2.02	1.89	1.32	.28	.73	1.62	1.32	.87	1.00
67	1.71	1.15	1.55	.78	.73	3.15	.96	.96	.69	.38	.60	.27	1.15
68	.57	.42	.25	.94	.97	1.23	1.04	3.10	.89	.22	1.73	.97	1.01
69	.30	.12	1.12	.80	.87	1.63	1.44	.57	.53	3.52	.35	1.07	1.02
70	.37	.28	.55	1.13	1.12	1.61	1.20	.58	1.99	.58	.63	.51	1.29
71	.74	.51	.56	.33	.43	1.25	1.17	1.31	.75	.32	.96	1.55	1.55
72	.25	.31	1.03	1.84	.78	4.31	.99	1.40	1.88	.88	1.28	.97	4.31
73	.61	.84	.71	1.49	1.09	1.30	2.28	.48	1.43	.79	.40	.93	1.78
74	.85	.68	.81	.99	.77	.79	.73	.96	.40	1.14	.65	.32	1.14
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOUF ALL
(FROM DAILY OBSERVATIONS)

1455
STATION

GLENVIEW, IL
STATION NAME

45-80
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.0	.0	.0	.0	.0	.0	.0	.0	4.0	
46	.7	2.8			.0	.0	.0			.0		7.1	
47					.0			.0					
48	9.0	2.1			.0	.0	.0	.0	.0	.0	.0	2.5	
49	1.0	3.0	.5	.0	.0	.0	.0	.0	.0	.0	7.0	6.0	6.0
50	3.0	6.5	2.0	1.0	.0	.0	.0	.0	.0	.0	1.1	5.0	6.5
51	3.1	2.8	6.6	2.7	.0	.0	.0	.0	.0	.0	4.5	12.6	12.6
52	4.9	1.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.9
53	3.7	1.0	2.6	.0	.0	.0	.0	.0	.0	.0	1.8	1.9	3.0
54	4.1	1.0	9.4	.0	.0	.0	.0	.0	.0	.3	1.9	4.7	5.4
55	2.2	2.4	1.4	.0	.0	.0	.0	.0	.0	.0	1.6	1.0	2.4
56	1.7	4.4	.6	.6	.0	.0	.0	.0	.0	.0	2.6	3.0	4.4
57	6.7	2.1	2.7	.7	.0	.0	.0	.0	.0	4.0	.4	4.8	6.7
58	4.4	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.8	4.9	4.4
59	5.9	.3	.3	.4	.0	.0	.0	.0	.0	1.1	2.6	7.9	7.0
60	3.4	6.0	5.2	.0	.0	.0	.0	.0	.0	.0	.4	3.0	3.0
61	2.4	5.9	5.6	4.4	.0	.0	.0	.0	.0	.0	1.9	9.0	9.0
62	14.8	7.1	3.5	.5	.0	.0	.0	.0	.0	.0	.7	1.0	14.8
63	6.4	2.5	4.0	.1	.0	.0	.0	.0	.0	.0	.0	4.1	6.4
64	1.2	2.3	8.6	.4	.0	.0	.0	.0	.0	.0	2.3	9.7	8.7
65	3.4	7.7	7.3	.0	.0	.0	.0	.0	.0	.0	.4	2.4	7.7
66	6.0	1.7	.4	.3	.0	.0	.0	.0	.0	.0	.9	6.2	6.2
67	17.4	11.7	5.5	2.0	.0	.0	.0	.0	.0	5.0	.4	.7	17.4
68	4.0	1.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	6.0	6.8
69	2.1	1.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.0	10.0	10.0
70	4.1	2.8	4.4	10.3	.0	.0	.0	.0	.0	.0	.0	3.7	10.3
71	7.1	1.3	5.6	.9	.0	.0	.0	.0	.0	.0	.0	.0	7.1
72	3.7	3.1	7.2	4.3	.0	.0	.0	.0	.0	.0	2.5	4.0	7.2
73	.3	1.4	1.8	.2	.0	.0	.0	.0	.0	.0	.0	3.7	3.7
74	2.3	3.2	1.6	.0	.0	.0	.0	.0	.0	.0	1.4	3.4	3.8
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

14855 GLFVIEW, IL 40-80
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45													
46													
47													
48													
49	1	5	3	0	0	0	0	0	0	0	2	0	5
50	7	8	4	0	0	0	0	0	0	0	3	10	10
51	5	4	5	1	0	0	0	0	0	0	6	14	15
52	5	1	5	0	0	0	0	0	0	0	0	3	5
53	4	2	2	0	0	0	0	0	0	0	1	2	3
54	3	2	8	2	0	0	0	0	0	0	0	4	8
55	4	4	1	0	0	0	0	0	0	0	4	1	4
56	1	4	1	0	0	0	0	0	0	0	1	3	
57	0	4	2	1	0	0	0	0	0	0	4	4	8
58		5	1	0	1	0	0	0	0	0	1	0	
59	11	7	3	0	0	0	0	0	0	0	3	5	11
60	3	16	13	0	0	0	0	0	0	0	0	4	16
61	2	5	6	5	0	0	0	0	0	0	6	9	9
62	18	8	4	7	0	0	0	0	0	0	0	1	18
63	11	0	4	0	0	0	0	0	0	0	0	0	11
64	1	4	7	0	0	0	0	0	0	0	1	14	14
65	4	11	15	7	0	0	0	0	0	0	0	4	25
66	13	10	1	0	0	0	0	0	0	0	1	5	13
67	26	32	11	2	0	0	0	0	0	1	0	2	32
68	8	2	0	0	0	0	0	0	0	0	0	11	11
69	11	1	2	0	0	0	0	0	0	0	1	14	13
70	10	1	6	7	0	0	0	0	0	0	0	3	10
71	6	2	3	0	0	0	0	0	0	0	0	0	6
72	3	5	7	4	0	0	0	0	0	0	3	6	7
73	0	3	2	2	0	0	0	0	0	0	0	11	11
74	7	8	1	0	0	0	0	0	0	0	1	3	8
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

14755

LEWIS, IL

1 46-1932

STATION

STATION NAME

YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0		13 1944	9.1	229	1943
2	0.4		16 1951	6.3	160	1975
3	0.4		19 1971	7.1	180	1971
4	0.4		24 1942	7.8	199	1982
5	0.7		20 1955	2.1	53	1969
6	1.0		38 1962	14.4	376	1962
7	0.8		11 1972	4.5	114	1962
8	0.2		6 1974	0.2	56	1974
9	1.2		31 1957	6.7	170	1957
10	1.3		44 1975	2.3	59	1974
11	0.2		7 1953	2.8	71	1963
12	0.2		5 1967	6.3	152	1966
13	0.22		56 1979	22.2	564	1979
14	0.2		13 1968	4.1	104	1977
15	0.2		7 1965	3.4	86	1965
16	0.2		6 1969	2.1	51	1971
17	0.3		7 1969	2.9	74	1977
18	0.1		26 1949	3.4	86	196
19	1.0		27 1952	6.4	163	1963
20	0.4		21 1974	5.5	140	1959
21	1.0		26 1958	8.4	213	1953
22	1.0		43 1965	2.6	66	1957
23	0.8		10 1953	2.4	61	1951
24	0.7		23 1979	8.6	218	1979
25	0.8		19 1967	6.1	152	1966
26	0.7		43 1967	17.4	442	1967
27	0.9		19 1967	8.1	203	1967
28	0.3		4 1962	3.7	94	1962
29	0.7		17 1967	4.7	122	1967
30	0.1		3 1947	2.9	74	195
31	0.3		3 1941	6.1	152	1982
Monthly	0.22		56 1979	22.2	564	1979

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.71		18 1967	6.9	175	1967
2	0.22		6 1972	2.2	56	1972
3	0.66		17 1961	5.9	150	1961
4	0.35		10 1971	2.7	69	1977
5	1.16		29 1967	11.7	297	1967
6	0.31		7 1974	3.1	79	1974
7	0.14		4 1973	1.4	36	1973
8	0.22		7 1977	2.8	71	1977
9	0.20		20 1967	8.0	203	1967
10	0.69		17 1967	6.8	173	1967
11	0.31		7 1936	5.0	127	1981
12	0.38		10 1949	3.7	94	1979
13	1.02		26 1950	6.5	165	1957
14	0.44		21 1973	2.5	64	1957
15	0.41		15 1954	5.8	147	1975
16	0.22		13 1956	4.4	112	1956
17	0.71		15 1975	0.2	5	1959
18	0.64		16 1951	2.8	71	1962
19	0.51		13 1971	1.7	43	1966
20	0.65		17 1953	0.9	23	1963
21	0.41		21 1976	7.1	180	1962
22	0.62		17 1974	5.2	132	1957
23	0.70		18 1967	6.4	163	1967
24	0.71		18 1965	7.7	196	1965
25	0.74		19 1957	4.2	107	1987
26	0.30		8 1957	0.2	5	1946
27	0.71		23 1948	2.5	64	1963
28	0.42		11 1951	1.9	48	1958
29	0.20		5 1976	1.2	30	1976
30						
31						
Monthly	1.16		29 1967	11.7	297	1967

* 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

1955 - 1992
STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1955-1992

MARCH
MONTH

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0		16 1976	3.3	84	1976
2	0.22	31	1976	6.0	152	1954
3	0.05	17	1966	3.1	79	1952
4	0.0	41	1976	5.9	150	1982
5	0.1	3	1946	1.9	49	1955
6	0.5	14	1975	1.0	25	1975
7	0.3	9	1975	1.0	33	1981
8	0.0	22	1964	5.6	142	1961
9	0.22	6	1977	2.0	51	1965
10	0.0	16	1957	1.6	41	1975
11	0.5	14	1957	4.0	102	1963
12	1.13	29	1953	3.5	87	1951
13	0.1	30	1961	7.0	178	1972
14	0.0	16	1953	1.0	25	1965
15	0.1	13	1948	0.8	20	1971
16	0.0	13	1967	5.2	132	1967
17	0.70	19	1965	7.3	185	1965
18	0.7	22	1952	5.6	142	1971
19	1.00	27	1948	3.2	81	1971
20	1.04	37	1967	5.5	140	1967
21	0.0	15	1966	4.1	104	1977
22	0.4	12	1965	5.1	130	1965
23	0.4	11	1965	5.3	135	1965
24	0.17	31	1954	0.3	8	1977
25	1.75	44	1954	4.4	112	197
26	0.0	13	1959	2.7	69	1957
27	0.02	21	1976	0.5	13	1970
28	1.00	28	1977	0.8	20	1970
29	0.0	22	1979	6.6	218	1964
30	0.0	24	1949	1.6	41	1974
31	1.00	39	1967	2.9	74	1972
Monthly	1.00	47	1948	8.6	218	1964

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.13	27	197	10.3	262	1970
2	1.70	35	1975	12.3	312	1975
3	0.08	25	1974	2.2	56	1972
4	0.80	23	1969	T	T	1982
5	1.47	37	1964	4.4	112	1982
6	0.6	22	1978	T	T	1982
7	0.43	11	1972	4.3	109	1972
8	0.71	14	1980	0.5	13	1982
9	0.62	16	1973	2.0	51	1961
10	0.74	19	1978	0.3	8	1962
11	1.02	46	1979	0.5	13	1957
12	1.25	32	1952	T	T	1973
13	0.75	19	1945	0.5	13	1962
14	0.7	22	1949	0.6	66	1980
15	0.75	19	1976	2.5	64	1951
16	1.09	50	1960	4.4	112	1961
17	0.94	24	1963	T	T	1961
18	1.56	47	1975	T	T	1945
19	0.78	20	1970	T	T	1962
20	1.71	33	1966	T	T	1970
21	1.40	38	1977			
22	1.58	4	1981	0.2	5	1956
23	1.40	36	1974	2.0	51	1967
24	1.71	33	1950	T	T	1980
25	2.30	60	1954	1.0	25	1976
26	0.02	21	1979			
27	1.71	43	1975	T	T	1979
28	1.17	30	1981	T	T	1977
29	0.76	24	1963			
30	0.0	20	1970	0.1	3	1963
31						
Monthly	2.30	60	1954	12.3	312	1975

* 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

1954

LEON IFF, IL

1945-1972

STATION

STATION NAME

YEARS

1954
MONTH

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.77	16	1953			
2	1.00	25	1949	T	T	1971
3	1.12	28	1958		T	1973
4	0.77	20	1977		T	1967
5	0.82	23	1976			
6	1.11	28	1948			
7	0.80	20	1945		T	1960
8	0.77	22	1969		T	1966
9	0.00	15	1956			
10	0.13	54	1951			
11	0.02	51	1966		T	1966
12	1.01	33	1962			
13	0.88	25	1978			
14	0.11	55	1945			
15	0.50	13	1976			
16	0.57	25	1960			
17	0.80	24	1947			
18	0.82	26	1965			
19	0.10	27	1957			
20	0.54	16	1968			
21	0.55	15	1952		T	1969
22	0.27	32	1953			
23	0.24	24	1970			
24	0.80	43	1955			
25	0.6	17	1961			
26	0.6	19	1968		T	1961
27	1.1	29	1945			
28	0.8	22	1975			
29	1.12	27	1970			
30	0.77	20	1975			
31	0.76	19	1958			
Monthly	0.17	55	1945	T	T	1973

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.77	35	1970			
2	2.00	53	1950			
3	1.49	38	1954			
4	0.73	19	1969			
5	1.15	29	1977			
6	0.76	19	1974			
7	2.01	71	1978			
8	1.37	35	1969			
9	1.80	46	1966		T	1966
10	2.10	81	1967			
11	1.34	34	1977			
12	1.71	41	1970			
13	1.04	39	1966			
14	4.31	109	1972			
15	0.75	19	1982			
16	2.00	64	1952			
17	0.80	23	1946			
18	1.20	32	1971			
19	0.54	11	1937			
20	0.50	15	1973			
21	1.07	33	1951			
22	1.02	41	1964			
23	1.0	27	1948			
24	0.73	19	1969			
25	1.02	40	1959			
26	1.52	38	1978			
27	0.54	14	1963			
28	1.12	28	1967			
29	1.03	41	1969			
30	1.13	28	1977			
31						
Monthly	4.31	109	1972	T	T	1966

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

DIRNAVOCEANMET-SMOS

3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1-55 TELETYPE, IL

1945-1992

STATION

STATION NAME

YEARS

JULY

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	27	1973			
2	1.6	65	1959			
3	0.22	76	1954			
4	0.4	16	1968			
5	0.0	72	1971			
6	1.0	44	1954			
7	0.0	52	1964			
8	0.2	67	1951			
9	0.0	74	1967			
10	1.0	40	1957			
11	0.0	35	1960			
12	0.0	126	1957			
13	1.5	40	1953			
14	0.1	56	1949			
15	0.0	13	1960			
16	1.0	42	1950			
17	1.0	37	1960			
18	0.12	77	1964			
19	0.3	60	1963			
20	0.31	8	1973			
21	0.0	19	1940			
22	0.40	137	1982			
23	1.1	39	1950			
24	0.0	24	1960			
25	0.40	79	1964			
26	1.02	34	1966			
27	0.2	73	1966			
28	0.0	33	1951			
29	0.2	32	1954			
30	0.5	17	1953			
31	0.0	16	1950			
Monthly	0.40	177	1980			

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2	21	1977			
2	1.0	27	1973			
3	1.3	39	1950			
4	0.8	25	1977			
5	0.0	10	1970			
6	1.6	45	1951			
7	0.4	12	1947			
8	1.0	26	1969			
9	1.22	31	1957			
10	1.0	27	1971			
11	1.1	29	1956			
12	1.5	40	1956			
13	0.0	13	1960			
14	3.0	79	1951			
15	0.4	24	1973			
16	0.1	79	1968			
17	1.02	34	1965			
18	0.0	24	1967			
19	0.71	14	1960			
20	0.0	15	1953			
21	0.0	56	1975			
22	0.0	22	1970			
23	1.0	36	1977			
24	1.0	33	1971			
25	1.0	34	1954			
26	0.40	10	1977			
27	0.0	24	1974			
28	0.73	19	1957			
29	0.0	16	1979			
30	1.0	47	1970			
31	1.1	29	1945			
Monthly	1.1	77	1968			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION 1 45-15W 2L STATION NAME 1 45-15W2 YEARS

PRECIPITATION
MONTH

PRECIPITATION
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.0	0	1977			
2	.4	10	1961			
3	.1	3	1977			
4	.0	0	1965			
5	1.14	29	1961			
6	.9	23	197			
7	.0	0	1987			
8	.0	0	1960			
9	.0	0	1977			
10	.0	0	1962			
11	.0	0	1963			
12	.0	0	1961			
13	.5	13	1978			
14	.0	0	197			
15	.4	10	1977			
16	.2	5	197			
17	.1	3	1978			
18	.0	0	1963			
19	1.12	28	1967			
20	1.0	25	1965			
21	1.14	29	196			
22	1.11	28	1966			
23	1.3	33	1961			
24	1.1	28	1977			
25	.0	0	1961			
26	.2	5	1971			
27	.0	0	1946			
28	1.0	25	1977			
29	.31	8	1973			
30	.0	0	1977			
31						
Monthly	.7	18	1976			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.6	15	1970			
2	0.4	10	1970			
3	1.2	30	1954			
4	0.75	19	1959			
5	0.30	8	1955			
6	1.20	30	1959			
7	0.6	15	1957			
8	0.5	13	1957			
9	1.1	28	1954			
10	3.5	90	1954			
11	0.8	20	1977			
12	0.7	18	1973			
13	1.4	36	1967			
14	1.02	26	1966			
15	0.8	20	1967			
16	0.30	8	1955			1970
17	0.1	3	1961			
18	0.40	10	1951			1981
19	1.2	30	1961			1974
20	0.4	10	1967			1974
21	0.2	5	1955			1974
22	1.3	33	1958			1979
23	1.0	25	1957			1961
24	1.1	28	1977			1959
25	0.31	8	1970			1959
26	0.4	10	1959	4.0	102	1957
27	0.4	10	1977	5.0	127	1967
28	0.5	13	1955			1954
29	0.7	18	1961	0.3	8	1954
30	0.0	0	1967			1954
31	0.6	15	1973			1970
Monthly	3.5	90	1954	5.0	127	1967

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

DIRNAVOCEANMET-SMOS

3

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 1951 LEWIS, IL

1-47-1 2

STATION

STATION NAME

YEARS

PRECIPITATION
MONTH

PRECIPITATION
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	35	1942	0.	20	1954
2	.7	18	1974	1.4	41	1959
3	.7	18	1948	1.7	43	1951
4	1.0	42	1959	1.0	2	1957
5	.7	17	1974	.7	7	1950
6	.7	16	1971	4.5	114	1951
7	.73		1948	0.2	5	1959
8	.71	18	1966	.7	7	1971
9	1.2	32	1966	.7	1	1967
10	.7	17	1974	.7	1	1957
11	.7	24	1950	.7	7	1976
12	.7	15	1949	7.0	66	1959
13	.2	33	1977	1.4	36	1959
14	.7	2	1957	.7	18	1969
15	.4	25	1944	.3		1969
16	.7	2	1952	1.	25	1951
17	.7	18	1952	.3		198
18	.7	2	1957	1.3	33	1955
19	.7	17	1951	5.0	15	1961
20	.7	15	1956	4.8	122	1981
21	.7	21	1979	.4	1	1975
22	.7	23	1963	2.8	64	1970
23	.5	14	1937	3.3	97	1981
24	.7	18	1966	3.	76	1949
25	.7	24	1952	2.6	66	1954
26	1.11	2	1965	3.2	81	1975
27	1.2	34	1966	5.2	157	1978
28	1.23	44	1968	1.3	46	1947
29	.7	24	1971	1.0	46	1953
30	.2	6	1981	1.4	36	1974
31						
Monthly	1.0	44	1965	5.2	157	1978

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.0	2	1976	1.	27	1977
2	0.3	72	1937	3.	79	1944
3	0.73	18	1955	.7	51	1974
4	0.7	24	1973	2.7	71	1944
5	0.4	12	1967	2.2	56	1978
6	0.71	17	1952	3.	76	1957
7	0.74	19	1969	4.9	124	1977
8	0.41	10	1977	4.9	124	1950
9	0.7	22	1953	4.	102	1970
10	1.5	9	1971	2.2	56	1947
11	1.24	31	1940	4.1	104	1963
12	1.12	2	1945	3.4	89	1970
13	0.37	9	1973	4.	102	1945
14	1.2	41	1975	12.6	32	1951
15	1.12	2	1971	2.1	53	1946
16	0.71	5	1961	1.4	76	1982
17	0.33		1951	2.9	74	1951
18	0.7	17	1957	2.9	74	1949
19	0.4	12	1952	3.0	76	1973
20	1.27	31	1977	7.7	195	1977
21	1.10	2	1949	3.7	76	1951
22	0.6	16	1965	1.0	4	1963
23	1.00	25	1969	10.0	254	1969
24	1.1	41	1979	3.2	81	1951
25	0.0	17	1950	5.0	127	1952
26	0.35	9	1940	2.6	66	1950
27	0.0	20	1954	1.0	25	1957
28	0.0	23	1968	6.8	173	1969
29	0.5	15	1978	4.7	119	1954
30	0.4	14	1972	4.5	114	1969
31	1.4	37	1978	10.0	277	1979
Monthly	0.3	72	1982	12.6	32	1951

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

DIRNAVOCEANMET-SMOS

WFO, 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

50.0 FACE WINDS
(FROM DAILY OBSERVATIONS)

14985
STATION

ALPENVIEW, TL
STATION NAME

48-87
YEARS

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				45W 57NNE	49W	52NNE	62			45W 48SW	51SE	40	
46	55W 57W	52SSW	51W	47SSW	40					65W 43		40	
47	FNE	51				55W 42W	40NNE	41					
48	NF	80NNW	51SSW	46W	48NNE	37W	45W	35W	48NNW	51W	40		
49	57	41SSW	37SW	48W	52S	54SE	44SW	35W	55W	47S	52SW	47W	45
50	45W	54ENE	41S	42W	62SSW	53WSW	40S	32S	29SSW	34W	37W	42SSW	47
51			5W	44ENE	46ENE	44	NW	52			5	48SW	57
52	40W	44N	44N	47NNE	39SSW	37NF	49W	60SSW	49W	40NNE	48W	64SW	31
53	55W	47WSW	52SSW	62WSW	54WSW	64W	57WSW	37NNE	33SE	54NNE	33SE	32SW	44
54	44W	47NNE	39WSW	60SW	44SW	46SE	72W	58SSW	38	45W	37W	34ENE	47
55	44W	39SSW	32E	57W	67SSW	47W	35SSW	42W	38W	37W	35WSW	47SSW	37
56	NNW	37W	41WSW	50N	58NNW	42W	36W	36W	45W	33W	37WSW	48SW	47
57	55W	47NNE	47WSW	49W	40SW	37S	39W	43NNE	34W	34W	46W	48W	39
58		NNW	29NNE	31N	47NNE	36W	34SW	29W	22	45W	37SW	42WSW	77
59	55	34W	33SW	46SW	36W	34SSW	31W	45		55SE	39SW	42SE	37
60	57	50NE	45NW	57S	45S	39NNE	35W	39W	58SW	31SSW	37SW	48SW	37
61	NF	37WSW	47SW	58SE	44NNE	39W	38W	30W	37WSW	47NNE	40S	45W	41
62	5W	39W	41SSW	44WSW	42S	45SW	36W	29W	31WSW	37WSW	35WSW	43W	76
63	4	34W	35S	42W	54WSW	35N	36W	38W	44NNE	41NNE	27SSW	48S	47
64	NF	43W	38NNE	50SW	47SW	52W	41W	48W	42S	42S	37SSW	46S	34
65	NF	34W	39W	47W	41WSW	43W	34W	33W	34W	34SW	31W	44W	45
66	4	37S	40W	44W	42W	43W	69W	42W	30N	36W	40N	38E	37
67	4	48SW	48W	33S	61S	40SW	30S	26W	31W	33S	39S	31W	27
68	4	31W	35SSW	36SW	43S	37	4	35W	42S	28WSW	36NF	47W	47
69	4	36W	28W	39W	33SW	33SW	47NF	33SW	31SW	26S	39S	34E	35
70	4	33SW	77NF	44NNE	44W	38W	49W	32W	30W	28S	40W	40W	42
71	21	4327	6727	4327	3727	3427	4636	3136	4220	3021	4121	3713	48
72	25	4620	3320	3706	3518	2920	3531	3136	3723	3429	3207	3929	37
73	23	3334	2721	4019	3720	3822	3136	4524	2828	30		02	38
74		35	4527	4127	3925	3924	3617	3135	2921	2521	3304	3003	38
MEAN													
S D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

1455
STATION

GLENNVIEW, IL
STATION NAME

45-87
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	
45													WINDY DAYS	
46						NE 35 10	SSW 31 19						WINDY DAYS	
47		WNW 32 14			WSW 40 27				SW 26 8		NE 40 20	47 23	WINDY DAYS	
48												SSW 56 14	WINDY DAYS	
49	SSW 39 20	W 48 18				ESE 43 14		WNW 30 25	SSW 42 19	WNW 46 26			WINDY DAYS	
50									WNW 30 24				WINDY DAYS	
51	WNW 31 26								SSW 30 19				WINDY DAYS	
52								SSW 31 25	SW 50 19				WINDY DAYS	
53						W 39 26							WINDY DAYS	
54										25	40	18	WINDY DAYS	
55	32 20	29 20								2	1		WINDY DAYS	
56										22	39	26	44 26	WINDY DAYS
57	25 25	32 25												WINDY DAYS
MEAN														
S. D.														
TOTAL OBS.														

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 16055 ASHEVILLE, NC STATION NAME 73-80 YEARS JAN
 CLASS ALL WEATHER MONTH 01
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.7	.7	.7							2.0	9.0
NNE		.7	.7	.7								1.0	9.0
NE			.7	.7								1.7	12.0
ENE			.7	.7								1.7	2.0
E		1.0	.5									2.9	5.3
ESE		.7		.5								1.9	5.7
SE				.7								1.0	10.3
SSE			1.0									1.6	7.2
S	1.7	1.0	2.7	1.0								6.5	7.5
SSW		1.0	1.7	2.6								6.1	9.9
SW	1.7	2.0	1.6	.6	.3							6.5	6.5
WSW	1.7	3.0	3.7	.6								10.3	5.2
W	2.0	5.8	8.0	3.9	.6	.3						18.1	9.1
WRW	1.7	2.3	5.5	2.9								13.9	7.3
NW	1.7	2.3	3.5	1.3	.6	.3						9.7	9.8
NNW	1.7	1.7	2.7	.3								6.1	8.9
VARBL													
CALM												9.7	
	12.3	27.4	32.0	15.8	1.9	.6						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955 STATION NAME GLENVIEW, IL 73-32 YEARS JAN MONTH 03 HOURS (L.S.T.)

ALL WEATHERS CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.6	1.6	1.3								3.8	6.0
NNE												1.0	9.7
NE												1.3	11.3
NNE												1.6	8.4
E												.5	6.0
ESE												2.6	8.6
SE												.6	6.0
SSE												1.6	6.2
S												6.8	6.9
SSW	1.0	2.4	2.3	1.9	.6		.3					8.7	9.3
SW	1.3	2.3	1.6	1.0								6.1	6.5
WSW	1.6	3.5	1.9	1.3								8.7	6.4
W	2.3	3.5	6.8	2.6	1.0	.3						16.5	8.3
WNW	1.6	3.9	3.5	2.9	.3							12.3	8.0
NW	.6	2.3	3.9	1.6	.3							8.7	8.4
NNW	.6	1.6	3.5	1.3								7.1	8.3
VARBL													
CALM												13.7	
	2.3	26.1	30.6	17.1	2.6	.3	.3					100.7	7.0

TOTAL NUMBER OF OBSERVATIONS 110

NO. 5 GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955 11 JANVIEW, IL 73-82 JAN

STATION STATION NAME YEARS MONTH

ALL WEATHER 06

CLASS HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.6	2.5	1.6								4.0	9.7
NNE		.3	.3									.6	5.5
NE		.5	.3	1.0								1.9	10.0
ENE		1.0		.3								1.3	8.3
E		.5	.6									1.0	6.0
ESE		.6	.6									1.3	7.3
SE			.6									.6	9.5
SSE	.3	.7	.6	.3								1.6	7.6
S	.3	1.3	2.9	.6								5.1	7.8
SSW	1.6	1.9	3.2	1.9	.3	.3						9.3	8.6
SW	.6	2.3	1.3	1.9								6.1	8.5
WSW	1.6	2.3	1.3	1.6								7.4	7.6
W	1.3	5.1	5.5	2.9	.6							15.9	7.9
WNW	1.9	2.9	3.9	2.9	.6							12.2	8.3
NW	.6	3.5	3.2	1.6	.3	.3						9.4	8.6
NNW	1.7	3.5	1.6	1.6								7.7	7.2
VARS													
CALM												13.8	
	2.3	26.7	29.3	18.3	1.9	.6						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 311

SMOS

RU.S. GPO 1964 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1455 STATION ASHEVILLE, NC STATION NAME 71-22 YEARS JAN MONTH
ALL WEATHER CLASS
09 HOUR (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	.4	.5	.6							2.9	10.3
NNE	.3		.3	.3								1.0	7.7
NE	.3		.6	.6								1.6	9.0
ENE	.3	.3	.6	.6								1.9	8.5
E		.3	.3	.6								1.3	11.0
ESE	.6	.6	1.2									2.3	6.3
SE	.7	.3	.2	.3								1.3	7.5
SSE		1.6	.6		.3							2.6	7.5
S	.6	1.0	3.2	1.0	.3							6.1	9.2
SSW	1.3	1.3	1.9	2.9								7.4	8.2
SW	1.4	1.7	3.2	1.6		.3						6.1	10.1
WSW	1.4	.4	2.3	1.6	.3							6.4	8.3
W	1.3	6.8	8.4	8.2	1.9							22.5	8.9
WNW	.4	1.6	3.5	3.2	.3							9.3	9.1
NW	1.3	2.6	4.2	2.3	.3							10.6	8.1
NNW	1.6	3.2	1.9	2.3								9.0	7.9
VARB													
CALM												7.7	
	10.4	21.9	33.1	22.2	4.2	.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 411

SMOS

NO. 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1485 STATION NAME VIEW, IL YEAR 73-77 JAP MONTHS 12
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.2	1.6	.3							4.8	10.7
NNE		.3	.3	1.0								1.6	7.8
NNE		.3	1.7	.3								1.9	8.3
NNE		.3	.3	.3								1.6	6.6
E		.3	.3	.6								1.2	10.3
ESE		.3	.3	.7	1.7							2.3	8.9
ESE		.3	.3	.3	.3							1.3	7.0
ESE	1.7	.3	1.7	1.0								3.5	8.0
S	.3	1.7	3.5	1.6	.3							7.4	9.2
SSW		.3	2.6	1.6								5.2	9.3
SW		2.6	2.3	2.9	.3							8.1	9.8
WSW		1.3	4.5	2.6	.3	.3						10.0	9.7
W	1.6	2.6	6.3	6.8	1.9	.3						20.0	10.7
WNW	.3	2.6	6.9	1.9	.3							12.3	8.7
NW	.3	1.6	3.9	1.3	.6							8.1	9.0
NNW	.3	2.3	2.3	1.6								6.5	8.9
VARBL													
CALM												3.0	
	6.5	20.0	38.1	26.8	4.7	.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 110

NO. S. GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NO. _____ STATION NAME _____ YEARS _____ MONTH _____
 ALL WEATHER CLASS _____ HOURS (LST) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	1.6	1.9	.3							5.6	9.1
NNE			.3	.3	.3							1.2	12.0
NE	.3	1.7	1.7	1.7								3.2	9.1
NNE		1.2	.6	.6								2.9	7.7
E	.6	1.7	1.7									2.6	5.5
ESE		.6	1.1	.3								2.3	9.1
SE			1.3	.6								2.6	8.6
SSE		.3	.3	.3								1.2	9.0
S	.6	.6	2.5	1.9	.3							6.1	10.0
SSW	1.1	1.0	3.2	1.9	.3							7.8	9.6
SW		.3	1.6	1.6								3.9	10.1
WSW	.6	3.2	3.4	3.5	.3							11.9	9.0
W		4.5	7.7	7.7	2.3	.3	.3					22.9	11.1
WNW	1.3	2.2	4.8	2.3	.6							11.6	8.5
NW		1.2	2.2	1.9	.3							6.8	9.2
NNW	.6	1.4	1.9	.6								4.5	7.9
VARBL													
CALM												2.4	
		22.6	36.5	26.8	4.8	.3	.3					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NO. 101 1004 11-148 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-87 MONTH JAN
 CLASS ALL WEATHER HOURS (LST) 10
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									3.2	5.5
NNE		1.0	3.0		3.0							1.0	7.2
NE				1.0								1.0	10.0
NNE			1.0	1.0								1.0	8.8
E	3.0	1.0	1.0	1.0								3.5	5.4
ESE			1.0									1.0	7.3
SE				1.0								1.0	10.3
SSE		1.0		3.0								1.0	7.3
S	3.0	1.0	3.0	2.0	1.0							8.7	10.4
SSW		2.0	1.0	1.0								5.2	7.5
SW	1.0	3.0	1.0	3.0								6.5	5.1
WSW	1.0	3.0	2.0	2.0								11.0	7.2
W	1.0	6.5	7.7	3.5	1.0							20.6	8.6
WNW	1.0	3.0	5.2	1.0	1.0							12.3	7.6
NW	3.0	1.0	1.0	1.0	3.0							5.2	5.6
NNW	1.0	1.0	2.0	1.0								6.5	7.2
CALM												7.1	
	2.7	30.4	31.0	16.8	3.2							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 117

NO. 100 (REV. 7-81) 348-201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-74 MONTH JAN
 CLASS NAVAL WEATHER HOURS (L.S.T.) 21
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.0	1.0								3.2	9.0
NNE													
NE												1.6	9.4
ENE				1.0								2.3	9.9
E		1.0										1.9	7.3
ESE												1.2	5.3
SE												1.3	5.8
SSE												1.9	5.3
S		2.6	1.0	1.6								6.8	7.8
SSW												10.0	10.3
SW	1.0	2.9	1.0	1.0	1.3							8.1	6.6
WSW	1.0	2.9	3.0									7.7	6.5
W	1.0	5.5	6.5	4.5	1.0							19.4	8.6
WNW		5.2	2.0	1.6								11.0	7.9
NW		1.3	2.3	1.3								5.5	2.5
NNW		1.3	1.3	1.3								6.5	7.9
VARBL													
CALM												10.0	
	2.4	24.4	30.0	18.1	3.5	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

U.S. GPO 1984 741 348 201

3

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1950-51 MONTH: JAN
 CLASS: ALL WEATHER HOURS (LST): ALL
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	1.0	1.0	.2							4.1	4.9
NNE	.1	.9	.3	.3	.1							1.2	3.7
NE	.1	.4	.5	.5	.2							1.7	3.7
ENE	.1	.2	.5	.5								1.2	3.4
E	.2	.5	.5	.4								1.5	3.3
ESE	.2	.5	.5	.3								1.2	3.2
SE	.1	.3	.2	.3								1.2	3.5
SSE	.2	.6	.2	.3	.2							2.1	3.7
S	.2	1.4	2.1	1.5	.2							5.4	6.9
SSW	.2	1.3	2.5	2.1	.3							7.4	5.1
SW	.9	2.3	1.3	1.4	.1							6.4	3.7
WSW	1.4	2.0	2.1	1.6	.1							9.2	3.6
W	1.5	5.1	6.3	4.5	1.4	.2						19.4	4.1
WNW	1.7	3.1	4.5	2.3	.4							11.4	3.1
NW	.1	2.1	3.2	1.6	.4	.1						8.1	3.7
NNW	.2	2.3	2.2	1.2								4.7	3.6
VARBL													
CALM												3.6	
	2.1	25.5	32.7	20.2	3.8	.4	.1					10.0	2.7

TOTAL NUMBER OF OBSERVATIONS 2462

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____ HOURS (L & T) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1	1									4.1	7.4
NNE					7							3.6	6.5
NE		7	7	1	7							3.0	12.1
ENE			4	7	1	4						3.2	12.7
E		1	1	1	1							3.0	7.5
ESE			4	1								1.4	7.5
SE			7		4							1.0	7.7
SSE				4	4							0.7	8.3
S		1	1	2	2							6.7	8.9
SSW		7	2	2	2	4						3.0	7.7
SW		1	2	3	1	4						8.1	7.4
WSW		1	1	2	7							5.7	6.2
W		1	4	5	2							15.6	7.0
WNW		1	2	2	4							4.0	8.1
NW		1	2	1	1							7.1	6.6
NNW		7	4	2	1							5.7	8.9
VARBL													
CALM												10.7	
	2.4	25.2	20.4	17.7	2.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS _____ 262

BU.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, NC STATION NAME 73-52 YEARS 1955 1956
 CLASS ALL WEATHER MONTH 12
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				1.1	.4							2.0	10.0
NNE		1.1	1.1									2.1	7.0
NE		1.1		.7	.4							3.2	4.3
ENE		.7	.7	1.3	.4							3.5	11.5
E	.4	1.1	2.3									4.8	7.2
ESE		.4	.7									1.1	5.3
SE	.3	.7	.4									1.4	5.0
SSE	.7	.4	.7	.7								2.5	7.6
S	.2	.4	1.4	1.4								3.4	9.1
SSW	1.1	2.1	4.3	2.1	.4							9.9	2.7
SW	.7	2.1	1.3	1.4								6.5	7.4
WSW	1.1	2.3	1.3	.4								6.1	6.2
W	1.4	4.4	1.0	2.1								11.7	7.0
WNW	1.4	4.3	2.5	1.4								9.6	6.5
NW	.4	4.3	1.3	.7								7.1	6.5
NNW	.4	1.2	1.3	2.1								6.0	6.8
VARBL													
CALM												18.8	
	5.3	22.4	26.2	10.0	1.4							10.0	6.2

TOTAL NUMBER OF OBSERVATIONS 252

NO. 5, GPO: 1964 O-341 (48) (21)

3

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-82 YEARS 06
 CLASS ALL WEATHER HOURS (L.S.T.) 06
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	.4	1.1		.4						3.5	9.0
NNE		.4	.4		.4							1.4	9.3
NE		.4	.7	1.1								2.5	9.0
ENE		1.1	1.4	1.1	.4							4.3	9.8
E		1.4	1.1	.4								3.9	7.5
ESE		.4	.4	.7								1.4	9.0
SE		.4	.7	.7								2.1	8.0
SSE		.4	.4									1.1	8.0
S	1.1	.4	1.1									3.2	8.2
SSW	1.4	2.5	3.2	3.2								11.7	8.2
SW	1.1	1.1	2.1	1.4	.4	.4						6.4	9.4
WSW	2.1	2.5	1.1	1.4								7.1	8.3
W	2.1	1.1	1.2	1.1								9.6	8.3
WNW	2.1	3.2	1.9	1.5								9.2	8.6
NW	1.1	3.2	2.1	1.1								7.4	8.7
NNW		2.5	2.5	2.1	.4							7.4	8.9
VARBL													
CALM												18.4	
	15.7	24.5	24.5	17.9	1.4	.7						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 282

U.S. GPO 1984 77-48 201

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 73-87 MONTHS FFF
 CLASS ALL WEATHER HOURS (L E T) 17
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.1	1.5	1.1	.7	.4						5.7	9.7
NNE	.4	1.1	1.1	1.4	.4	.4						4.6	10.7
NE	.7	.7	2.1	1.1	.7							5.5	9.3
NNE		1.1	1.4	.7								3.2	8.7
E	1.1	2.5	2.2	1.4	.8							8.2	8.2
ESE		.7	.7	.7								2.1	9.2
SE		.4										.4	6.0
SSE		.4	.7									1.1	7.7
S		1.1	2.1	2.1								5.3	9.7
SSW	.4	.7	1.4	5.7								8.2	11.3
SW	.7	1.4	3.5	2.8		.4						8.9	9.4
WSW		1.1	2.1	3.5	.4							7.1	11.0
W	1.1	3.5	4.6	5.7	.7							14.9	9.8
WNW	.4	2.5	1.5	2.1								6.7	8.2
NW		1.2	3.2	1.1	.7							6.7	9.1
NNW	.4	2.1	.7	2.8		.4						4.4	9.8
VARBL													
CALM												5.3	
	5.7	22.0	30.1	31.6	3.9	1.4						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 282

NO. U.S. GPO 1984 741 348 201

3

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 14055 GLENCIDE, II STATION NAME 73-82 YEARS FEB MONTH 15 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56'	%	MEAN WIND SPEED
N		1.2	.7	2.5	.4	.4						5.7	11.1
NNE	.4	1.1	1.4	1.8	.7	.4						5.7	11.4
NE	.4	1.4	2.5	2.1								6.4	8.7
ENE		2.7	2.8	1.1								6.4	8.3
E		1.4	1.4	1.8								4.0	8.5
ESE		1.1	1.1									2.1	7.2
SE		1.1		.4								1.4	7.5
SSE			.4	.7								1.1	12.0
S	.4	.7	2.1	1.2	.4							5.3	9.6
SSW		.4	2.8	2.9	.4							7.4	11.2
SW	.4	.4	1.8	3.5	.4							6.4	11.1
WSW		.4	3.2	4.3	.4							8.2	11.2
W	.4	3.2	5.7	5.2	1.1	.7						16.7	10.7
WNW		1.4	3.2	3.2		.4						8.5	10.4
NW	.4	1.1	1.4	1.1								3.0	5.5
NNW		2.1	1.4	2.5		.4						6.4	10.3
VARBL													
CALM												3.7	
	2.1	20.7	31.9	16.2	3.5	2.1						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 242

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEAR 73-80 MONTH FEB

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.4	2.5	1.1	.7							7.1	8.6
NNE	1.4	.7	2.1	1.1	1.4							6.7	9.9
NE		1.1	2.1	.7								3.9	6.7
ENE	.7	1.1	.7	.7								3.2	6.4
E	1.1	2.5	1.4	1.1	.4							6.4	7.1
ESE	.4	1.4	.4									2.5	5.0
SE	.4	.7										1.1	4.0
SSE	.4	.7	.4	1.1								2.5	3.9
S	.7	1.4	2.2	1.8								6.7	8.5
SSW	.4	1.4	4.3	1.4								7.4	8.3
SW		2.2	2.5	2.8								7.8	9.0
WSW	.4	1.4	2.1	1.8	.4							6.4	9.1
W	1.4	6.0	6.4	2.5	.4							16.7	7.5
WW	.4	2.1	1.4	1.4								5.3	7.5
NW		1.5	1.4	.7								5.7	6.5
NNW		.7	1.4	1.6								3.9	9.8
VARBL													
CALM												6.7	
	6.5	26.8	31.9	19.9	3.2							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 292

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14455
STATION

DE VIEW, IL
STATION NAME

73-82
YEARS

FEB
MONTH

ALL WEATHER
CLASS

21
HOURS (L S Y)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.7	1.1	.7	.4							3.2	9.9
NNE	.4	1.1	.4	1.5		.4						3.9	11.8
NE	.4	1.1	1.5	1.1	.4							8.0	8.8
ENE		.7	1.5	1.1								3.5	7.2
E	.7	1.5	1.9	.7								5.0	7.3
ESE	.4		.4	.4	.4							1.9	9.5
SE	.7	.4	.7	.4								2.1	6.3
SSE	.4		.7	.4								1.4	8.0
S	.4	1.5	2.8	2.5								7.4	9.0
SSW	1.1	2.1	1.3	3.5	.4							9.6	8.3
SW	.7	2.1	3.2	1.1								7.1	7.6
WSW	1.1	2.5	2.1	.4								6.7	6.5
W	2.5	3.9	6.7	2.5	.7							15.6	7.8
WNW	1.2	2.1	1.1	.7								5.7	5.4
NW		.4	1.4	1.1								2.8	8.8
NNW		1.3	3.7	1.9	.4							7.1	8.9
VARB													
CALM												13.3	
	10.6	23.9	30.5	19.5	2.5	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

282

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14-55 STATION GLENN, II STATION NAME 13-80 YEARS FEB MONTH NORTH

ALL WEATHER CLASS ALL SOURCE (L S T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.3	1.2	1.2	.4	.1						4.6	9.3
NNE		.4	1.5	.9	.4	.2						3.6	12.5
NE		.2	1.5	1.2	.3	.2						4.2	9.4
ENE		1.2	1.7	1.1	.1							3.2	9.1
E		1.4	2.0	.9	.2							5.1	7.9
ESE	.1	.7	.7	.3	.2							1.5	7.6
SE	.3	.4	.4	.3								1.6	6.8
SSE	.2	.5	.5	.4								1.5	6.3
S	.4	1.0	2.1	1.6	.2							5.1	8.9
SSW	.8	1.8	3.3	3.1	.2							9.2	9.0
SW	.9	1.7	2.7	2.1	.2	.1						7.6	8.2
WSW	.7	1.8	2.0	1.8	.1							6.2	8.5
W	1.4	4.4	4.7	2.9	.4	.1						14.2	8.1
WNW	1.2	2.3	2.1	1.6	.2	.2						7.6	7.4
NW	.2	2.6	1.9	1.1	.1							6.2	7.4
NNW	.3	1.7	2.1	2.0	.1	.1						6.1	9.2
VARBL													
CALM												11.4	
	.2	24.8	25.6	22.5	2.7	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2256

U.S. GPO 1984 741 348 201

3

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955
STATION

GLENNVIEW II
STATION NAME

73-22
YEARS

MAR
MONTH

ALL WEATHER
CLASS

00
HOURS (LST)

COUNTRY

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0		1.5	.6	.6							4.5	5.1
NNE			1.0	1.0	.3							2.5	10.5
NE		1.3	.3	.6	.6							3.5	8.7
NNE	.3	2.3	1.7	1.3								5.8	7.7
E	.3	1.0	1.3	1.0	.3							3.0	9.0
ESE	1.0	.3	.3	.6	.3							3.2	5.5
SE		1.0	.3	.3								1.6	7.2
ESE	.3	1.0	1.0									2.9	6.4
S	1.0	1.7	1.7	1.0	.6							6.5	8.4
SSW		3.2	1.9	2.3	.3							7.7	9.0
SW	.3	1.0	1.6	2.3	.6							5.8	10.4
WSW	1.7	1.6	1.9	.6	.3							5.5	7.6
W	2.3	5.5	1.9	2.6								12.3	6.6
WNW	.4	1.0	3.5	.6	.3							6.1	8.0
NW		1.6	2.3	1.6								5.5	8.5
NNW	.3	1.0	.6	.3								2.3	6.9
VARBL													
CALM												10.0	
	10.0	24.2	24.2	16.8	8.2							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

310

U.S. GPO 1984 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1956 WILMOT, NC 77-02 MAR 1956
STATION NAME YEARS MONTH
ALL WEATHER CLASS 17 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	.6	.6							5.5	8.1
NNE		.6	1.0	.3								1.9	4.3
NE		1.0	1.3	1.0								4.2	7.5
ENE		.6	1.6	.7	.7							3.2	10.5
E		1.0	1.9	1.0								5.2	7.2
ESE		.3	1.0	.3								1.6	5.2
SE		1.0	.6	.3								2.3	7.0
SSE		.3	.3	.3								1.6	7.9
S	1.0	1.6	2.6	1.6								6.2	8.3
SSW	1.0	.3	1.6	1.0								4.2	7.8
SW	.3	1.3	2.9	1.9	.3							7.4	9.1
WSW	1.0	1.3	1.0	.6	.3							5.5	7.2
W	1.0	3.5	2.3	1.0	.6							11.3	6.8
WNW	1.0	2.3	2.6	1.0								7.4	6.6
NW	1.0	2.3	2.6	1.3								7.1	7.3
NNW	.3	.6	1.9	1.0	.3							4.2	9.4
VARB													
CALM												10.3	
	11.9	21.9	28.4	13.9	2.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

NO. S. GPO 1964 741 348 701

3

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955 STATION WEAVER, II 77-82 42 MONTH

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	1.4	1.9	.6							6.1	9.9
NNE	.6	1.7	1.7	.6	.6							4.2	8.4
NE	.4	1.7	1.7									2.4	6.4
ENE	.7	1.4	1.6	1.9								4.5	7.9
E	.7	1.7	1.9	.6	1.7							4.8	9.7
ESE		.4	.6	.3								1.3	3.4
SE		1.7	.3									1.3	5.8
SSE		1.7	.3	.3	.3							1.9	9.3
S	1.3	2.3	1.4	1.3	.6							7.7	7.5
SSW	1.3	1.3	1.3	2.3								5.3	8.6
SW	1.4	1.4	2.6	2.6								8.7	8.1
WSW	.7	1.7	.7	.3	.3							2.3	8.7
W	1.4	2.3	2.6	1.3								8.1	7.2
WNW	.7	2.3	1.7	1.3	.3							7.7	7.6
NW	1.7	1.4	1.7	1.3								5.2	7.1
NNW	1.7	1.7	3.2	.6								6.1	7.2
VARBL													
CALM												21.3	
	12.4	22.6	24.2	15.5	3.9							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 210

NO. 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, NC STATION NAME ASHEVILLE YEARS 1956-57 MONTH MAR
 CLASS ALL WEATHER HOURS (L & T) 09
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.7	1.7	1.7							7.2	11.5
NNE		1.7	1.7	1.7								4.2	5.2
NE		1.7	1.7	1.7								4.5	7.2
ENE	1.7	1.7	1.7	1.6								4.2	7.5
E		1.7	2.5	1.6								5.2	5.4
ESE	1.7		1.7									2.5	5.6
SE			1.7									2.5	6.9
SSE			1.7									2.3	7.3
S		1.7	4.2	2.3	1.7	3						9.2	10.8
SSW		1.7	3.2	1.7	1.7							7.4	9.6
SW			2.3	2.3	1.7							6.8	10.3
WSW	1.7		1.6	1.7		3						5.5	9.6
W		1.7	2.3	2.3	3							6.5	10.1
WNW		2.9	2.9	1.9								8.4	5.1
NW		2.3	2.9	1.6								6.8	5.4
NNW		2.3	1.7	1.7								7.7	7.7
VARBL													
CALM												5.8	
	7.2	22.4	15.6	23.5	4.5	3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 312

NO S. GPO 1984 741 348 201

3

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1955-1956 MAGNITUDE: 1
 CLASS: ALL WEATHER HOURS (LST): 1
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.0	3.2								4.2	12.5
NNE		1.7	2.6	2.6								6.5	11.0
NE		1.0	2.3	1.6								4.9	7.3
ENE		1.3	3.2	2.6								6.1	8.0
E		1.0	2.6	2.3	1.3							5.2	9.3
ESE		1.0	1.3	2.6								2.9	4.0
SE		1.0	1.0	2.6								3.2	5.0
SSE		1.0	1.0	2.6	1.3							2.3	10.7
S		1.0	2.3	3.6	1.3							4.4	10.2
SSW		1.7	2.3	1.3	1.6	1.3						7.4	12.3
SW		1.0	1.0	3.2	1.3							6.1	11.3
WSW		1.0	1.0	2.6	2.3	1.3						7.4	12.3
W	1.0	1.0	3.2	3.9	1.0							10.7	12.8
WNW		1.0	3.2	1.6	1.3	1.3						6.5	10.5
NW	1.7	2.3	3.2	2.3								8.9	5.8
NNW	1.0	1.0	1.0	1.0	1.0							4.5	11.0
VARBL													
CALM												3.7	
	1.5	12.1	34.7	31.7	5.5	1.9	1.3					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 329

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.3	1.5	2.7							4.5	12.7
NNE		1.7	2.7	2.9								7.1	9.7
NE		1.7	2.7	1.7								6.8	7.8
ENE	1.7	1.7	1.7	2.3								6.8	7.7
E		1.7	2.7	1.6	2.7							10.0	7.8
ESE		1.7	1.7									2.3	7.3
SE			1.7	1.7								3.4	8.9
SSE													11.0
S	1.7	1.7	2.7	2.7								7.7	9.7
SSW			2.7	2.7	1.7							7.1	12.0
SW		1.7	1.7	1.7	1.7	1.7						7.1	14.0
WSW			1.7	1.7	1.7	1.7	1.7					10.0	13.0
W		1.7	2.7	3.6	1.7	2.7						12.0	11.0
WNW			1.7	1.7	1.7	1.7						5.5	12.0
NW			1.7	2.3	2.7							5.7	12.9
NNW		1.7	1.7	1.7	1.7							6.8	12.1
VARBL													
CALM												1.7	
		1.7	3.4	7.1	7.1	1.7	1.7					1.7	14.5

TOTAL NUMBER OF OBSERVATIONS _____

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

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

STATION ASHEVILLE, TN STATION NAME ASHEVILLE YEARS 73-77 MONTH 12
 CLASS ALL WEATHER HOURS (LST) 18
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2	2.1	1.3	.3							6.1	9.7
NNE		2.2	2.3	1.6	.3							7.7	8.0
NE	1.1	2.3	2.1	1.2								7.4	7.8
ENE	1.7	3.0	1.3	.3								6.4	5.8
E	1.7	3.0	2.1	.6	.7	.7						8.7	7.2
ESE	1.1	.7	.7	.7								3.6	6.2
SE			2.3									2.3	7.4
SSE		1.7	.4	1.2								3.4	9.1
S		1.7	4.7	1.6								7.7	6.4
SSW		1.7	1.7	1.9	.3							5.3	10.3
SW	1.1	1.1	3.4	1.9	.3							5.8	7.2
WSW		2.4	2.3	1.6								7.1	9.7
W	.7	2.4	3.1	3.6	1.7							13.6	11.7
WNW	1.1	1.7	4.3	1.7	.7							7.7	9.0
NW		1.7	2.1	1.7								5.7	6.7
NNW		.7	1.7	.7								2.6	10.5
VARBL													
CALM												4.2	
		27.4	31.8	19.7	3.7	.3	.3					10.7	8.7

TOTAL NUMBER OF OBSERVATIONS 312

RU.S. GPO 1984 741 548 201

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 73-74 MAG 11
 CLASS NAVAL WEATHER NORTH 21
 HOURS (LST) 24
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0						5.5	7.7
NNE	1.0	2.3	1.0	1.3	1.0							7.7	7.9
NE	1.0	1.0	1.0	1.0	1.0							2.5	6.4
ENE	1.0	1.0	1.0	1.0	1.0							3.5	7.5
E	1.0	1.0	1.0	1.0	1.0							6.5	7.1
ESE	1.0	1.0	1.0	1.0	1.0							3.0	7.0
SE	1.0	1.0	1.0	1.0	1.0							2.0	6.5
SSE	1.0	1.0	1.0	1.0	1.0							4.5	7.4
S	1.0	1.0	2.3	1.9	1.0							6.1	8.8
SSW	1.0	1.0	2.3	1.9	1.0							6.5	9.7
SW	1.0	1.0	1.0	1.0	1.0							6.1	7.7
WSW	1.0	1.0	1.0	1.0	1.0							5.0	7.1
W	1.0	7.0	2.0	4.2	1.0							12.5	9.5
WNW	1.0	2.0	2.0	1.0	1.0							5.5	8.3
NW	1.0	1.0	1.0	1.0	1.0							2.0	7.1
NNW	1.0	1.0	1.0	1.0	1.0							1.0	6.0
VARBL													
CALM												16.5	
	1.0	22.0	23.0	18.1	1.0	1.0						170.0	6.5

TOTAL NUMBER OF OBSERVATIONS 210

RU.S. GPO 1984 741 348 701

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 71-82 MAF NORTH ALL

CLASS ALL WEATHER

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.1	1.5	1.2	.5	.1						5.5	9.8
NNE	.4	1.5	1.7	1.5	.2							5.7	8.9
NE	.7	1.5	1.7	.8	.1							4.7	7.5
ENE	.5	1.6	1.9	.9	.3							5.1	7.6
E	.2	2.2	2.1	1.2	.3	.1						6.4	8.0
ESE	.7	.5	.8	.4								2.5	7.1
SE	.2	.2	1.7	.4								2.4	7.4
SSE	.2	.2	.8	.4	.1							2.3	8.2
S	.3	1.6	2.8	2.0	.3	.5						7.6	9.0
SSW	.3	1.3	2.2	1.9	.6	.1						6.4	10.1
SW	.2	1.3	1.7	2.3	.6	.1						6.5	10.0
WSW	.7	1.5	1.6	1.3	.8	.1	.1					5.5	9.2
W	1.4	2.6	3.2	3.1	.6	.5						10.6	8.9
WNW	.7	1.7	3.1	1.1	.2	.5						6.9	8.1
NW	.3	1.7	2.1	1.5	.3							5.3	8.3
NNW	.4	.9	1.8	.8	.2		.1					4.2	8.7
VARBL													
CALM												11.4	
	2.2	22.5	38.2	21.3	4.1	.6	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2479

NO. 15 GPO 1984 741 348 201

3

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1955-56 AFB NORTH 00
 CLASS ALL WEATHER
 HOURS (L.S.Y.) 00
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	2.0	2.0	1.0							6.3	10.8
NNE	1.7	2.7	2.0	1.7	1.0	.3						9.0	8.5
NE		1.7	1.7	1.3								4.3	2.6
ENE	.7	.7	.3	.7	.3	.7						2.7	11.3
E	.7	2.7	1.7	.3								5.3	6.3
ESE	.7	1.3	.7	.7								3.3	6.9
SE	.7	.7	.7	.7								2.7	7.5
SSE	1.7	1.7	1.7	.3								4.0	6.3
S	2.3	1.7	2.0	1.7								8.7	7.2
SSW	1.7	2.7	1.7	1.7								7.7	6.2
SW	1.7	1.3	1.0	1.3								5.0	7.5
WSW	1.0	1.3	.7	.7								3.7	6.7
W	1.7	2.3	4.0	.7	.3							8.3	7.8
WNW		.7	1.3	1.7		.3						4.0	10.4
NW		.7	.3		.3	.3						1.3	9.5
NNW	.3	1.3	.7	.3	.3							2.7	9.9
VARBL													
CALM												72.3	
	13.7	22.7	22.3	14.7	3.3	1.0						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 300

NO. 348 201 1984 GPO

3

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1-665 GLENNVILLE, GA STATION NAME 73-92 YEAR APR
 CLASS ALL WEATHER MONTH 01
 HOURS (L & T) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.0	2.3	.7							7.0	9.8
NNE	2.3	1.3	1.0	.3	.7							5.7	7.3
NE	.7	1.3	1.3	.7	.7							4.7	8.9
NNE	.7	.7	.7	1.3								3.0	8.9
E	.3	1.7	2.3	.3	.3							5.0	7.8
ESE	1.7	1.0	.7	.7								3.7	6.3
SE	.7	.3	1.0	1.0								2.7	8.9
SSE	.7	.7	1.0	.7								2.7	8.7
S	.7	2.7	2.7	1.3								7.0	7.6
SSW	.7	1.3	3.3	1.7	.3							7.0	9.1
SW	1.7	1.0	2.7	.7								5.0	7.4
WSW	.3	.7	1.7	.7	.3							3.0	8.2
W	1.7	2.7	2.0	1.3								7.0	7.4
WNW	.7	1.0	1.0	.7		.3						3.7	8.5
NW	1.7	1.7	1.0	.7	.3							5.0	7.2
NNW	.3	1.3	1.3	.3								3.0	8.9
VARBL													
CALM												25.0	
	11.0	21.0	25.0	14.0	3.3	.3						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14855 GLENNVIEW, IL 73-87 APS
 STATION STATION NAME YEARS MONTH
 ALL LEATHER
 CLASS
 06
 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	2.3	1.3								4.7	7.6
NNE	2.3	.7	1.7	1.7	.3	.7						6.7	9.0
NE	.7	1.7	1.3	.7	.7							4.7	3.1
ENE	.7	.7	2.7	.7			.3					4.7	9.5
E	1.7	1.7	1.7	1.7	.3	.3						6.7	8.3
ESE	.7	1.3	1.3	1.7								3.7	8.0
SE	.7	.7	.7									1.3	6.0
SSE	1.7	2.3	.7	.7	.7							5.0	7.7
S	1.3	2.3	1.7	2.0								6.7	7.9
SSW	.7	1.0	1.7	1.3								4.7	8.6
SW	.7	2.7	2.7	1.7		.7						6.7	8.5
WSW	.7	1.7	1.7	1.7								4.7	7.5
W	1.7	0.3	1.7	.7	.3							7.7	6.1
WNW	.7	1.3	1.7	.7								4.0	7.3
NW	1.3	.7	.7	2.3								4.7	9.9
NNW	.7	1.7	.7	.3								3.3	5.9
VARBL													
CALM												19.3	
	17.3	25.7	21.7	16.3	2.3	1.0	.3					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1155 STATION NAME CLEVELAND, OH 73-80 YEARS APR MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.3	2.3	2.3	.3							3.3	9.5
NNE	.7	2.0	1.3	2.3	1.3	.3						8.0	11.0
NE			2.3	2.3		.7						5.0	12.2
ENE	.3	2.0	4.7	.3		.3						7.7	8.3
E	.7	2.3	1.7	1.3								5.7	7.5
ESE		.7	2.3	.3	.3							3.7	9.3
SE	.7	.3	2.3	.3								3.7	7.5
SSE	.7	.7	1.3	2.0								4.3	9.9
S		1.3	2.0	2.3	1.0							10.3	10.2
SSW		1.3	1.7	3.0	.3	.7						6.7	11.2
SW	.7	1.3	2.7	.7			.3					5.0	2.6
WSW	.3	1.7	1.3	2.7		.3						6.3	10.4
W	.7	.3	2.7	2.3	.7							6.7	10.1
WNW	.7	.7	2.0	1.3								4.7	8.2
NW	.3	1.3	2.3	1.3								5.0	9.1
NNW	.3		2.3	.3								2.7	9.0
VARBL													
CALM												6.7	
	5.3	17.0	38.7	26.0	4.0	2.0	.3					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1455 STATION NAME ASHEVILLE, II YEARS 13-42 MONTH ALL
ALL WEATHER
CLASS
12
HOURS (LST)
CONDITION

SPEED (KNTS) 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		1.7	2.3	3.0	.3							6.7	10.8
NNE	.7	.7	1.7	5.0	1.3							9.0	12.0
NE		1.7	3.0	1.0	.3	.7						6.7	10.5
ENE		1.7	5.7	1.0	.3							8.7	9.0
E		3.0	5.0	1.0	.3							9.7	8.3
ESE	.7	.7	1.7	1.7								4.3	9.6
SE			1.7	.7								2.3	10.9
SSE		.3	1.7	1.0								3.0	10.1
S	1.0	1.3	2.7	3.7	1.7	.3						9.3	10.6
SSW	.3	.7	2.7	3.7								7.3	10.5
SW			1.7	2.3	.3	.3						4.7	13.3
WSW		.7	2.7	1.7	1.7	.7	.3					5.3	13.9
W	.3	1.7	.7	3.0	.7	.7	.3					7.0	12.0
WNW	.7	1.7	2.7	2.3	.3							7.7	9.3
NW		.7	.7	2.0								3.3	11.1
NNW		.7	2.0	.3								3.0	9.4
VARBL													
CALM												2.0	
	3.0	16.7	37.7	32.0	6.0	2.3	.3					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10-55 STATION 116 VIEW, 11 STATION NAME 73-42 YEARS 1955
 ALL WEATHER CLASS 15 HOURS (L S Y)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		2.7	3.7		.7						7.0	11.3
NNE		1.7	4.7	6.7	.3							12.7	10.9
NE		7.3	4.7	1.7	.3	.7						9.3	9.3
ENE	.7	1.7	8.7	1.3	.3							9.0	9.7
E		5.7	5.7	2.7								9.7	8.5
ESE		1.7	2.7	1.7	.3							5.3	9.6
SE			1.7									1.3	9.0
SSE	.7		.7	2.7								3.7	11.1
S	.7	.3	2.7	1.7	1.3							7.0	12.6
SSW		1.7	2.7	2.7	.7							7.3	10.5
SW		2.7	1.7	2.7	.7							5.7	10.6
WSW	.7	.3	1.7	1.7	.7	.7						4.7	13.5
W	.7	.3	2.7	2.7	1.7	.7						7.3	13.5
WNW		.7	2.7	1.7	.7							4.7	11.0
NW			1.7	2.7								4.3	11.8
NNW		.3	.7		.3							1.3	11.5
VARBL													
CALM												.3	
	2.7	13.0	42.0	33.3	7.3	2.7						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 100

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION SLINGER, IL STATION NAME 73-92 YEARS APR
 MONTH 15
 ALL WEATHER CLASS 15
 HOURS (LST) 15
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.7	2.3	3.3	.7							7.3	11.0
NNE	.7	7.3	3.3	2.7	.3	.3						10.7	9.2
NE	1.3	7.3	3.7	2.7	.3							10.7	8.1
ENE	.7	3.7	1.7	1.3								7.3	6.6
E	.7	4.7	4.3	.7								10.3	6.8
ESE	.7	3.3	2.3									6.3	5.7
SE	.3	1.3	1.7	.7								4.3	7.6
SSE	.3	.7	1.3	.3								2.3	7.6
S		.3	1.7	4.0	.3							6.3	12.3
SSW		.7	2.7	1.0	.3							4.7	9.8
SW	.7	1.7	1.7	2.3								6.3	9.1
WSW		.7	2.3	1.7								4.3	9.9
W	.7	.3	3.7	3.7	.7	.7	.3					9.3	13.3
WNW	.7	.7	1.7	1.3	.7							4.7	10.0
NW	.7	.7	.7	.3								1.7	7.0
NNW			.7									2.3	9.0
VARBL													
CALM												2.3	
	6.7	25.7	35.7	25.3	3.3	1.0	.3					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1-225 ASHEVILLE, NC STATION MARK 73-82 YEARS APR
ALL WEATHER NORTH 01
 CLASS NOVAE (L S T)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	4.7	2.7	1.7							11.7	10.0
NNE		1.7	2.7	1.7								5.7	7.7
NE		1.7	1.7	1.7								4.7	4.4
ENE		1.7		1.7								3.7	6.2
E	1.7	4.7	2.7	1.7								3.7	5.3
ESE		2.7										3.7	5.8
SE	1.7											3.7	6.2
SSE			2.7									4.7	7.8
S	1.7	2.7	2.7	1.7								9.7	7.5
SSW	1.7		1.7	1.7								4.7	6.2
SW	1.7	2.7		1.7								5.7	7.7
WSW	1.7	1.7	2.7									4.7	6.2
W		1.7	2.7	2.7								7.7	10.7
WNW			1.7									2.7	6.5
NW												1.7	5.5
NNW													3.7
VARBL													
CALM												21.7	
	11.7	21.7	23.7	15.3	3.0	1.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 300

RU.S. GPO 1984 741 348/201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1951-52 MONTH APR
 CLASS ALL WEATHERS HOURS (LST) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	2.5	2.7	.5	.1						7.6	13.1
NNE	1.0	1.7	2.3	2.5	.7	.2						8.2	9.7
NE	.6	1.4	2.4	1.3	.3	.2						5.2	9.2
ENE	.4	1.4	2.7	1.4	.2	.1						5.4	9.5
E	.4	2.5	2.1	1.0	.1	.2						7.2	7.5
ESE	.2	1.4	1.1	.8	.1	.2						4.2	7.6
SE	.5	.5	1.1	.4	.2	.2						2.9	7.9
SSE	.2	.7	1.2	1.7	.1	.1						3.5	8.6
S	1.4	1.5	2.7	2.3	.5	.1						8.2	9.4
SSW	.4	1.2	2.2	1.9	.2	.1						5.1	9.2
SW	.4	1.5	1.7	1.4	.1	.1						5.4	9.2
WSW	.4	1.3	1.4	1.2	.2	.2						4.5	9.6
W	.7	1.7	2.3	2.2	.6	.1	.1					7.5	10.1
WNW	.4	.7	1.0	1.2	.2	.1						4.5	9.2
NW	.4	.7	.9	1.2	.1	.1						3.3	9.1
NNW	.4	.7	1.2	.2	.1	.1						2.4	8.2
VARBL													
CALM												12.7	
	3.6	10.3	30.4	22.1	4.1	1.3	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 2400

NO. 1984 11 148 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION: 1448 STATION NAME: ASHEVILLE YEARS: 77-82 MONTH: MAY
 CLASS: ALL WEATHER HOURS (LST): 24
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	1.0	1.0	1.0	1.0						5.8	5.8
NNE	1.0	1.0	2.7	1.0		1.0						5.8	7.5
NE	1.0	1.0	1.0	1.0		1.0						5.8	4.4
ENE	1.0	1.0	1.0	1.0								5.8	5.8
E	1.0	1.0	1.0	1.0								5.8	6.0
ESE	1.0	1.0	1.0									5.8	5.8
SE		1.0	1.0									5.8	5.8
SSE		1.0	1.0	1.0								5.8	6.6
S	1.0	1.0	2.7	1.0								5.8	7.1
SSW	1.0	1.0	1.0	1.0	1.0							5.8	6.1
SW	1.0	3.0	1.0	1.0	1.0							5.8	6.6
WSW	1.0	1.0	1.0	1.0								5.8	4.4
W	1.0	2.7	1.0	1.0								5.8	5.4
WNW	1.0	1.0	1.0									5.8	5.4
NW	1.0	1.0	1.0									5.8	7.0
NNW	1.0	1.0	1.0	1.0								5.8	4.4
VARBL													
CALM												36.0	
	14.5	24.7	17.5	7.7	7.3	1.0						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 312

NO. 5 (REV. 1968) 741-148 (21)

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEAR 1954 DAY 15 MONTH 11

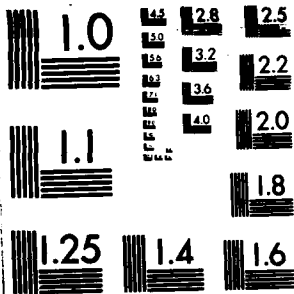
CLASS ALL WEATHER HOUR 00

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS 100

SMOS



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

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14655
STATION

CLEWVIEW, TN
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

06
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.9	1.6	1.9		.5						7.1	8.6
NNE	1.6	1.9	1.6	1.3								5.8	6.8
NE	1.3	1.0	1.6	1.0								4.5	6.8
NNE	2.3	1.9	1.0	.6								5.8	5.5
E	1.3	2.6	1.0	.3								4.8	6.1
ESE	1.3	.3										1.6	2.8
SE													
SSE	1.6	1.0	.6									3.2	4.6
S	1.3	2.3	2.6	.6								6.5	6.8
SSW	1.6	1.6	2.3	2.3								7.7	7.8
SW	.3	1.9	1.3	1.0								4.5	7.5
WSW	1.3	2.3	1.0									4.2	5.6
W	2.6	2.9	1.0	.3								6.8	4.7
WNW	.3	2.6	.3	.3								3.5	6.1
NW		2.3	.6	.3								3.2	6.3
NNW		1.3	1.0									2.3	6.9
VARBL													
CALM												28.4	
	16.5	27.7	16.8	10.0		.6						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

310

8008

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

11255 STATION GLENVIEW, IL STATION NAME 73-82 YEAR MAY MONTH
 ALL WEATHER OBSERVATION
 09 HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6	1.6	1.6	1.0	.3						6.1	11.2
NNE	.3	3.5	2.6	2.6	1.0	.3						10.3	9.8
NE	1.3	2.9	1.0	1.9								7.1	7.3
ENE	1.3	8.2	2.3	1.6								9.8	6.8
E	1.0	2.9	2.3	1.0								7.1	7.3
ESE		2.6	.3									2.9	5.1
SE	.4	.3		.3								1.3	5.0
SSE	.7	.3	1.0									1.6	6.6
S	.4	1.0	3.9	3.2	.3							9.0	9.7
SSW	.4	1.6	8.2	2.3	.6							9.8	9.2
SW	.4	2.3	3.2	1.3	.3							7.7	8.0
WSW	.4	.6	2.3	1.3	.3							5.2	9.3
W	1.3	1.9	1.3	1.6								6.8	7.2
WWW		2.6	2.9	1.0								6.5	7.9
NW	1.0	1.0	1.6									3.5	5.6
NNW	.3		1.0									1.3	7.0
VARS													
CALM												5.8	
	10.4	28.8	31.3	19.7	3.5	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 110

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

14355 STATION GLENVIEW, IL STATION NAME 73-82 YEARS MAY MONTH

ALL WEATHER CLASS

12 HOURS (L.S.T.)

CONDITION

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	.5		1.7	1.9	1.9							5.5	13.8
NNE	.3	2.9	3.5	2.9	.6							10.3	9.3
NE		2.9	2.9	3.5	.3							9.7	9.2
NNE	.6	3.5	5.8	.6								10.6	7.3
E	.6	3.2	6.8	.3	.3							11.3	7.5
ESE	.5	2.6	1.3	.6	.3							8.2	7.6
SE	.3		.6									1.0	6.3
ESE	.3		.3	.6								1.3	10.8
S	.3	2.6	1.3	3.2	.6							8.1	9.8
SEW	.6	1.6	3.2	3.5	.3							9.4	9.6
SW		1.0	.3	1.6	.3			.3				3.5	13.7
WSW	.3	1.9	2.6	1.6								6.5	8.8
W	.3	2.3	2.9	2.9								8.9	8.7
WSW		1.6	1.9	.6	.3							9.5	8.6
NW	.3	.3	2.3									2.9	7.7
WSW		.3		.3								.6	9.0
YARD													
CALM												1.3	
	4.8	26.8	37.1	28.8	5.2			.3				100.0	9.0

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

14855 STATION GLENNVIEW, IL STATION NAME 73-82 YEARS MAY MONTH
ALL WEATHER CLASS
15 HOURS (L.G.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.6	1.9	1.0	1.6	1.0						6.5	13.7
NNE		1.9	6.8	1.6	1.0	.3						9.7	10.0
NE	.6	6.2	6.8	2.9	.6							13.2	8.5
ENE		6.5	6.5	.3								11.3	7.8
E	1.0	2.6	7.8	1.9								12.9	7.9
ESE	.3	1.0	3.9	1.6								6.8	9.1
SE		.6	1.0									1.6	6.8
SSE	.6		1.0	.3								1.9	6.5
S	.3		1.0	3.9	.6	.3						6.1	13.5
SSW	.3	.6	2.6	1.6	.3							5.5	9.6
SW		1.6	1.0	1.9	.3							6.8	10.3
WSW	.6	1.0	.6	1.3								3.5	8.8
W		1.0	2.3	6.2	.3							7.7	11.7
WNW	.3	.6	1.9	.6								3.5	8.8
NW			1.6	.3								2.3	10.8
NNW			.3									.3	10.0
VARIABLE													
CALM												2.3	
	6.5	20.3	62.8	23.5	6.8	1.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 110

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14955 STATION GLENVIEW, IL STATION NAME 73-82 YEARS MAY MONTH
 ALL WEATHER CLASS 18 MOON (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.6	1.6	1.6	1.6	.3						6.1	12.7
NNE	1.3	2.9	5.8	2.3	.6							12.9	8.9
NE	.3	4.5	2.3	1.3								8.9	7.0
NNE	3.2	3.5	4.2	.3								11.3	5.6
E	2.6	9.8	2.9	.6								15.5	5.5
ESE		4.2	2.9	.6								7.7	6.9
SE	.3	2.3	.6	.3								3.5	5.8
SSE	.3	.3	.3	.3								1.3	8.3
S	.3	.3	1.9	2.9		.3						5.8	10.9
SSW		.6	2.3	2.3								5.2	10.7
SW	.3	1.0	1.3	.6	.3							3.5	8.8
WSW	.6	1.3	.6	1.9								4.5	8.3
W	.6	.6	2.3	1.6	.6							5.8	10.1
WNW		1.0	1.9	.6								3.5	8.3
NW		.3	1.0	.6								1.9	9.3
NNW			.3									.3	8.0
VARBL													
CALM												2.6	
	10.7	32.9	32.3	19.1	3.2	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 310

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

8800

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14855 STATION GLENVIEW, IL STATION NAME 73-A2 YEAR MAY
 ALL WEATHER CLASS 21 HOUR (L.S.T.)
 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	1.4	1.0	1.2	1.3	.6							7.7	8.8
NNE	1.0	1.9	2.6	1.9	.6							10.0	7.9
NE	1.4	1.6	1.9	.6								5.8	6.3
NNE	2.6	2.3	.6									5.5	6.2
E	1.2	2.6	.3									6.1	3.7
ESE	1.0	2.9	1.0									6.8	5.3
SE	1.4	2.9	1.0	.3								5.6	5.3
SSE	1.4	.3	.3									2.3	3.7
S	1.4	2.9	1.6	2.3								8.8	7.2
SSW	.3	1.3	1.0	1.3	.3							6.2	9.6
SW		1.9	.6	.6								3.2	6.6
WSW	.6	1.9	1.9	.3								6.8	6.3
W	1.0	2.6	1.6	.3								5.2	5.5
WNW	1.0	.3	.3	.3								1.9	6.2
NW		1.0	.6									1.6	7.0
NNW	.3	.6	.6									1.6	5.8
VARBL													
CALM												21.0	
	10.0	10.0	18.8	9.0	1.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 110

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

14655
STATION

GLENVIEW, FL
STATION NAME

73-82
YEAR

MAY
MONTH

ALL WEATHER
CLASS

ALL
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	.9	1.1	1.7	1.5	1.0	.4						6.7	10.5
NNE	.5	2.5	3.1	1.9	.5	.1						9.0	8.6
NE	.9	2.7	2.2	1.5	.2							7.3	7.6
NNE	1.5	2.7	2.6	.6	.0							7.4	6.4
E	1.4	3.0	2.9	.6	.0							8.0	6.6
ESE	.4	1.9	1.3	.8	.0							4.0	6.7
SE	.4	1.0	.4	.1								2.0	5.5
SSE	.7	.5	.6	.3								2.1	6.5
S	.8	1.7	2.1	2.2	.2	.1						7.1	8.9
SSW	.6	1.3	2.5	2.0	.3							6.8	9.2
SW	.4	1.9	1.2	1.0	.2			.0				4.7	8.2
WSW	1.0	1.7	1.3	.8	.0							4.9	7.0
W	1.2	2.1	1.7	1.3	.1							6.5	7.8
WNW	.4	1.5	1.3	.8	.0							3.7	7.0
NW	.4	.8	1.1	.2								2.9	6.8
NNW	.3	.3	.5	.1								1.2	6.5
VARBL													
CALM												16.3	
	12.3	26.5	28.7	18.8	2.7	.6		.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2980

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14855 STATION GLENNVIEW, IL STATION NAME 73-82 YEARS 111 MONTHS 00
 ALL WEATHER 00 MONTHS (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	1.3	.7	.7	.7								4.3	7.9
NNE	1.3	1.3	2.0	.7								5.3	6.9
NE	.3	2.7	1.7									4.7	5.6
NNE	1.7	1.3	.7	.3								3.3	5.8
E	.3	1.3	.3									2.0	4.7
ESE	.3											.3	3.0
SE	.7		1.0									1.7	6.0
SSE	.7	.7										1.3	3.5
S	1.0	2.0	4.3	.7								6.0	7.3
SSW	.7	3.7	2.0	1.7								8.7	7.3
SW	1.0	2.0	2.0	.7								5.7	6.8
WSW	.7	3.3	1.7									5.7	5.8
W	1.3	3.3	2.0	.3								7.3	5.8
WNW	1.3	1.0	1.3									3.7	5.5
NW	.7	.7	.7									2.0	5.3
NNW	1.3	1.0		.3								2.7	4.8
VARIABLE													
CALM												35.3	
	13.7	25.0	19.3	6.7								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14855
STATION

GLENVIEW, IL

STATION NAME

73-82

YEARS

JUN

MONTH

ALL WEATHER
CLASS

03
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.3	1.3	1.7								5.3	7.8
NNE	.3	2.0	1.7	1.0	.3							5.3	8.4
NE	1.0	.3	.7									2.3	4.6
ENE	.7		.7									1.3	5.8
E		1.0										1.0	4.7
ESE	.7	.3										1.0	3.0
SE	.7											.7	3.0
SSE	1.0	1.7	.3	.3								3.3	6.0
S	1.7	3.3	1.7	.3								7.0	5.4
SSW	1.7	3.0	2.3	1.3								8.3	6.9
SW	1.7	4.7	2.3	.3								9.0	5.8
WSW	1.7	3.3	.7	.3								6.3	4.7
W	1.7	1.7	2.0	.3								5.7	5.5
WNW	2.0	1.7	.7									4.3	4.0
NW		.7	.7									1.3	6.3
NNW	.7	.3	.7		.3							2.0	7.5
VARBL													
CALM												36.0	
	16.7	25.3	15.7	5.7	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

100

SM08

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1455 STATION GLENVIEW, IL STATION NAME 73-82 YEARS JUN
ALL WEATHER CLAS 06
 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.7	1.3	0.7								5.7	5.9
NNE	1.7	2.0	1.7	0.7								5.3	6.3
NE		1.0	0.7	0.7								2.3	8.1
ENE	0.3	1.0	0.3	0.3								2.0	5.0
E	0.7	1.3										2.0	8.5
ESE		0.7	1.3	0.3								2.3	7.7
SE		1.7										1.7	5.8
SSE	0.3	1.0	0.3	0.3								2.0	7.2
S	1.7	3.3	1.7	0.3								7.0	5.0
SSW	1.3	4.3	4.3	1.3								11.3	7.2
SW	0.3	3.3	2.3	0.7								6.7	6.6
WSW	1.0	5.7	2.3									9.0	5.5
W	2.0	8.7	2.7	0.3								9.7	5.7
WNW	1.0	0.7	1.0									2.7	5.8
NW	0.3	1.7	0.3									2.3	8.9
NNW	0.3	1.7	0.3		0.3							2.7	6.9
YARBL													
CALM												75.3	
	12.3	35.7	20.7	5.7	0.3							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 300

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

18956
STATION

GLENVIEW, IL
STATION NAME

73-22
YEARS

JUN
MONTH

ALL WEATHER
CLASS

09
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.0	2.7	.7		.3						6.0	7.8
NNE		2.0	4.7	2.0								8.7	9.7
NE	1.0	2.7	1.0	.3								5.0	5.9
NNE	1.0	1.3	1.3	1.0								4.7	7.3
E	.7	1.0	.3	.3								2.3	5.6
ESE		.7	2.3	.3								3.0	8.3
SE	.7	1.3	1.3	.7								3.7	6.8
SSE	.7	1.0	.3	.3								2.3	5.9
S	.3	2.7	3.3	.7								7.0	7.6
SSW		2.0	6.3	2.3								10.7	8.9
SW	.3	3.3	1.3	2.0								7.0	7.8
WSW	.3	3.0	4.0	3.0								10.3	8.4
W	1.7	3.3	5.3	1.7								12.0	7.5
WNW	.3	1.7	2.0	.7	.3							5.0	8.3
NW		1.0	1.3									2.3	6.6
NNW	.3	.7	1.7									2.3	7.4
VARB													
CALM												7.7	
	8.3	28.0	39.3	16.0	.3	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 300

RU.S. GPO 1984 741-348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 14005 WISSE, IL STATION NAME 73-80 YEARS 1954
 CLASS ALL WEATHER HOURS (LST) 12
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	.7	2.3								3.7	10.5
NNE	.3	.7	2.7	1.7		.3						5.7	10.0
NE	.3	1.3	4.7	2.3								8.4	8.5
NNE	.3	3.7	2.3	1.3								7.7	7.0
E	1.3	3.7	6.4	.7								11.7	7.0
ESE	.3	.7	.7									1.7	5.6
SE	.3	.7	1.0	.7								2.7	8.3
SSE		.7	1.0	.7								2.3	9.6
S	.3	1.7	3.3	2.0	.3							7.7	9.3
SSW		2.3	3.7	2.7	.3	.3						9.4	9.8
SW			3.0	2.3								5.4	10.8
WSW	.3	2.3	3.3	2.7								8.7	9.3
W	1.3	3.7	5.7	3.3	.3							14.0	8.7
WNW	.3	3.0	.7	3.0								6.0	9.7
NW		1.0	.3	.7								2.0	8.3
NNW		.7	.7	.3								1.7	8.0
VARBL													
CALM												1.3	
	4.7	25.8	40.1	28.8	1.0	.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 299

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 11055 HELVIEG, IL STATION NAME 73-22 YEARS JUN
 MONTH 15
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.3	1.3	.7							4.0	11.7
NNE		1.0	3.3	2.0	.3							7.0	10.0
NE		3.7	3.7	1.3	.3							9.0	8.6
ENE		3.0	4.7	1.3								9.3	7.5
E		3.7	7.7	.7								10.7	7.9
ESE		.7	4.1	.3								4.7	8.0
SE		.7	1.7									2.7	7.3
SSE		.7	1.7									2.3	5.1
S		2.3	1.3	2.7	.3							6.3	10.4
SSW		1.0	3.7	3.3								7.7	9.7
SW		2.0	2.3	2.7	.3							7.7	9.4
WSW		2.3	1.7	1.7								5.7	8.5
W		2.0	4.7	4.3	.7							12.3	9.9
WNW		1.0	2.3	1.7		.3						5.7	10.1
NW		.3	.3	.3								1.0	9.0
NNW		.7	1.0	.3								1.7	8.8
VARB.													
CALM												2.3	
	1.3	23.3	44.0	24.0	2.7	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1455 STATION 6151 VIEW, IL STATION NAME 73-A2 YEARS JUN MONTH
 ALL WEATHER CLAS 18 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	1.0	2.3								4.0	10.6
NNE	.7	1.3	4.3	2.7	.3							9.3	8.8
NE	1.0	2.7	2.0	1.0								6.7	7.0
NNE	1.3	5.0	3.0	.3								9.7	6.0
E	.7	7.7	2.0									11.3	5.6
ESE	.3	3.0	4.3									7.7	6.7
SE		1.7	1.7									3.3	6.3
SSE		.7	1.7									2.3	6.7
S	.5	1.3	3.7	1.3								6.7	8.7
SSW		1.3	3.0	1.7								6.0	9.3
SW		.7	1.7	1.7								4.0	9.7
WSW	.3	2.0	1.7	1.3								5.3	8.3
W	1.3	2.0	5.0	2.3	.3							11.0	8.8
WNW	1.3	1.3	2.3	1.0								5.7	7.2
NW	.7	1.0	.7		.3							2.3	7.0
NNW	.3	.3	.3	.3								1.3	6.5
VARBL													
CALM												3.3	
	6.0	32.5	39.3	16.0	1.0							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 300

NO. 1984 741 348 201

3

SNOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14855 GLENVIEW, IL 73-82 JUN

STATION STATION NAME YEAR MONTH

ALL WEATHER

CLASS 21

ORIENTATION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.7	2.7	1.0								7.0	7.3
NNE	1.7	3.7	1.7	1.0								7.7	5.8
NE	.7	2.0	1.7									4.0	5.3
NNE	1.0	1.7	1.3	.3								4.3	5.8
E	2.3	1.0	.3									3.7	3.5
ESE	2.0	1.3		.7								4.0	5.3
SE	1.7	1.3										3.0	3.6
SSE	.7	1.0	.3									2.0	4.8
S	1.7	4.0	2.0	1.7								9.3	6.7
SSW	.7	2.7	2.7	.7								6.7	7.0
SW	.7	1.3	2.7	.7								5.3	7.3
WSW	2.0	1.7	1.0									4.3	4.8
W	.7	5.0	2.0	.7								8.3	6.0
WNW	.7	.3										1.0	3.3
NW		.7	.3									1.0	6.3
NNW		.7	.3									1.0	6.3
VARB													
CALM												27.7	
	17.0	30.7	18.0	6.7								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 300

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14355 STATION GLONNEN, IL STATION NAME 73-82 YEARS 1951
ALL WEATHER CLASS ALL FORM (L. 1.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.1	1.4	1.5	.1	.0						5.0	8.4
NNE	.7	1.8	2.7	1.5	.1	.0						6.7	8.2
NE	.6	2.0	1.9	.7	.0							5.2	7.1
NNE	.3	2.1	1.8	.6								5.3	6.6
E	.7	2.5	2.2	.7								5.6	6.3
ESE	.5	.8	1.6	.2								3.1	6.7
SE	.5	.9	.8	.2								2.4	6.2
SSE	.4	.6	.7	.2								2.3	6.6
S	.9	2.5	2.7	1.2	.1							7.8	7.5
SSW	.6	2.5	2.4	1.9	.0	.0						8.5	8.2
SW	.5	2.2	2.2	1.8	.0							6.3	7.8
WSW	.8	2.9	2.0	1.1								6.9	7.0
W	1.5	3.2	3.7	1.7	.2							10.0	7.6
WNW	.9	1.2	1.3	.8	.0	.0						6.3	7.5
NW	.2	.6	.6	.1	.0							1.8	6.6
NNW	.4	.7	.6	.2	.1							1.9	6.8
VARIA													
CALM												17.4	
	10.5	28.3	28.6	13.8	.8	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2398

U.S. GPO 1984 741-348-701

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14355 STATION GLENNVIEW, IL STATION NAME 73-82 YEARS JUL
 CLASS ALL WEATHER MONTH 00
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.9	.6	.6								4.8	5.5
NNE	1.6	1.3	1.3									4.2	4.8
NE	.6		.5									1.3	5.8
ENE		.4	.3	.3								1.3	8.0
E	1.5	.6	.3									1.9	9.0
ESE	.3	.6	.6									1.6	6.9
SE	.6	.3	.3									1.3	9.5
SSE	1.6	.3	.3									2.3	3.3
S	1.0	1.0	2.9	.3								5.2	6.9
SSW	1.9	3.9	2.9	1.0								9.7	6.3
SW	2.3	1.9	2.3									6.5	5.5
WSW	2.6	2.6	1.0	.6								6.8	5.2
W	1.6	8.5	1.9									8.1	5.2
WNW	.3	1.3										1.6	3.6
NW	.6	2.3										2.9	4.1
NNW	1.3	.6										1.9	3.5
VARS													
CALM												38.7	
	19.0	23.9	15.5	2.9								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

11055 STATION GLENVIEW, IL STATION NAME 73-82 YEARS 1971 MONTH 03
ALL WEATHER HOUR (L.G.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥56	%	MEAN WIND SPEED
N		1.9	1.7	.6								5.2	6.7
NNE		1.7	1.6	.3								3.2	7.0
NE		.6	.6	.6								2.3	7.6
NNE		.6	.3	.3								1.6	7.2
E			.3									.6	6.5
ESE	1.7	.6	.6									2.3	5.1
SE													
SSE	.3	.3										.6	6.0
S		2.6	.3	.3								3.9	5.2
SSW	1.7	3.6	2.9	.6								8.1	6.6
SW	1.7	2.6	1.6	.6								5.8	6.5
WSW	2.6	2.3	2.9	.3								8.1	6.1
W	1.6	1.9	2.6	.6								6.8	6.8
WNW	1.6	.3		.3								2.3	3.9
NW	1.7	1.7	.3									2.3	6.1
NNW	2.3	.6	.3									3.2	3.8
VARIABLE													
CALM												43.7	
	16.2	20.7	16.5	8.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 309

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

14855 WILKINSON, IL STATION NAME 73-A2 YEAR JUL MONTH
ALL WEATHER CLASS
06 HOUR (LST)
 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	2.6	2.6	1.3	1.3	.3	.3						8.9	7.2
NNE		1.6	1.6	.3								3.5	7.1
NE	1.5	.6	1.7	.3								3.9	5.4
NNE	.3	.6	1.7	.3								2.3	7.6
E	.3	.3	.6		.3							1.6	8.8
ESE		.3	.3									.6	7.8
SE	.3	.3	.6									1.3	8.6
SSE	.3	.3	.6	.3								1.7	8.3
S	2.9	3.9	1.3									8.1	9.6
SSW	1.3	1.6	1.3									4.2	5.5
SW	.6	3.9	1.3	.3								6.1	5.8
WSW	1.7	2.6	2.6	.3								5.5	6.3
W	2.9	5.5	2.9	.3								11.6	5.3
WW	1.3	.6	1.7									2.9	5.2
NW	1.6	.6	1.7									3.2	8.8
NNW		1.9										1.9	5.3
VARS												12.9	
CALM													
	17.4	27.4	17.7	3.5	.6	.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

18455 STATION GLENNIER, TN STATION NAME 73-82 YEARS 1911
ALL WEATHER CLASS 09
 MONTH (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		1.3	1.0	1.6								3.9	9.5
NNE	.6	2.3	3.6	1.0								7.7	8.0
NE	.6	3.2	2.9	1.3								8.1	7.6
NNE	1.9	2.6	2.6	1.0								8.1	6.2
E	.6	1.3	.6	.3	.3							3.2	7.0
ESE	.6	1.3	.6	.3								2.3	6.7
SE	.6	.6	.6	.6								1.9	6.3
SSE	.3	.6	1.3	.3								2.6	6.9
S	1.9	2.0	1.9	.6								7.4	6.0
SSW	.6	3.2	3.2	.6								7.7	6.8
SW	.6	8.8	3.5	1.0								10.0	6.8
WSW	1.6	2.9	2.6	.6								7.7	6.3
W	1.6	8.5	3.2	2.9								12.3	7.6
WNW	1.7	1.9	1.3	.3								4.5	5.9
NW	1.7	.3	2.3									3.5	6.7
NNW	.6	1.9	.3									2.9	5.0
VARIABLE													
CALM												6.1	
	13.9	15.8	31.3	12.6	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1455 STATION GLENVIEW, II STATION NAME 73-82 YEARS JUL MONTH 12
 CLASS ALL WEATHER
 OBSERVATION

SPEED (KNTS) DIR.	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	.1	.3	2.6	.6								3.9	8.9
NNE		1.3	3.2	1.6	.3							6.5	9.8
NE	.5	2.6	4.2	1.6	.6							9.9	8.8
NNE	1.3	2.6	4.5	.6								9.1	6.9
E	.5	4.5	4.5	.3								12.0	6.6
ENE		.6	1.3	.3								2.3	7.9
ESE		.6		.3								1.0	7.3
S	1.3	1.9	3.9	1.0								8.1	7.0
SEW		1.9	3.6	1.6								7.1	8.5
SW		.3	5.2	1.6	.3							7.9	9.8
WSW	.6	1.3	3.6	1.3	.3							7.1	8.5
W	1.6	3.2	4.5	2.3	.3							12.0	7.9
WSW	.6	1.3	2.3	.6								4.9	7.3
NW	.5	.6	.6	.6								2.3	7.7
NNW	.3	1.3	1.9	.3								3.9	7.2
VABL												1.0	
CALM													
	7.4	25.2	48.5	18.9	1.9							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 109

8908

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1435 STATION GLENVIEW, IL STATION NAME 73-82 YEAR JUL
 MONTH 15
 HOURS (LST) 15
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.2	.3	.6								1.6	9.2
NNE		.6	4.5	4.8	.6							10.6	11.0
NE	.7	1.0	5.8	.6	.3							8.1	8.7
ENE	1.0	6.5	4.5	.6								12.6	6.5
E	.3	4.2	7.1	1.3								12.5	7.6
ESE	1.3	1.6	2.9	.6								6.5	6.6
SE		.6	1.7									1.6	6.6
SSE			.6	.3								1.0	10.3
S		1.2	2.9	.3								5.2	7.3
SSW		1.3	3.5	2.3								7.1	9.4
SW		.6	2.6	1.9	.6							5.8	10.3
WSW	.6	2.9	2.6	1.3	.3							7.2	7.6
W	.3	2.5	3.2	1.9	1.3							9.7	9.8
WNW		1.7	1.6	.6	.3							3.5	9.3
NW	.3	1.0	.3		.3							1.9	7.3
NNW	.3	1.0	1.0									2.3	5.9
VARBL													
CALM												1.9	
	4.5	27.7	44.3	17.4	3.9							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOG

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14355
STATION

GLENVIEW, IL
STATION NAME

73-82
YEAR

JUL
MONTH

ALL WEATHER
CLASS

12
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	2.6	1.3				.3				4.8	11.1
NNE	1.0	3.9	4.2	1.0	.3							10.3	7.3
NE	.3	3.9	2.6	1.0								7.7	7.0
NNE	1.0	4.2	3.9	.3								10.0	6.2
E	2.3	7.4	3.5									13.2	5.3
ESE	.3	4.2	1.0									5.5	5.4
SE	.3	3.5	1.6									5.5	5.5
ESE	.3	1.3	.3									1.9	5.0
S	.6	1.6	2.6		.3							5.2	6.8
SEW		.6	2.3	.3								3.2	4.2
SW		2.9	3.9	1.0								7.7	7.9
WSW	1.0	2.3	3.2	1.3								7.7	7.5
W	1.7	2.6	1.6	1.0								6.5	6.8
WNW	.3	2.9	.6	.3								4.2	5.8
NW	.3	1.6	1.0	.3								3.2	6.5
NNW		.3	.6	.3				.3				1.6	13.6
VARIABLE													
CALM												1.6	
	10.0	43.5	35.5	8.1	.6		.3	.3				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

316

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-155 STATION 115-114-11 73-82 YEARS 1111 MONTH
ALL WEATHER CODE 21 HOURS (L.S.T.)
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	1.2	1.3	.3	.3								3.9	4.9
NNE	1.2	2.3	1.4	1.3								6.1	6.6
NE	1.2	2.4	1.6	.3								5.5	5.9
ENE	1.6	1.2	.6									3.2	5.0
E	2.6	1.3	.6									4.5	3.6
ESE	1.6	.8										2.3	3.0
SE	1.2	1.0	.3									2.3	3.9
SSE	.8	.6	.3									1.6	4.2
S	2.4	2.8	1.6									7.1	8.8
SSW	2.3	3.2	2.9									8.4	5.7
SW	2.9	2.6	2.3									7.7	5.0
WSW	1.2	1.2	1.3									5.2	8.6
W	.6	1.9		.6								3.2	5.8
WW	1.2	.6	.3									1.9	4.3
NW		1.0										1.2	4.7
NNW		.1	.3	.3								1.2	10.6
VARB													
CALM												35.2	
	22.9	25.2	13.9	2.9								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14154 STATION WINDVIEW, TN STATION NAME 73-82 YEARS JUL
MONTH JUL
ALL WEATHER CLASS All
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.7
NNE	.5	1.0	2.7	1.3	.2	.0	.0	.0	.0	.0	.0	6.5	8.1
NE	.2	1.8	2.4	.7	.1	.0	.0	.0	.0	.0	.0	5.8	7.4
ENE	1.0	2.3	2.2	.4	.0	.0	.0	.0	.0	.0	.0	6.7	6.5
E	1.0	2.5	2.5	.2	.1	.0	.0	.0	.0	.0	.0	6.3	6.3
ESE	.6	1.3	.9	.2	.0	.0	.0	.0	.0	.0	.0	2.9	5.9
SE	.4	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	1.0	5.6
SSE	.4	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	1.5	5.6
S	1.0	2.3	2.2	.3	.0	.0	.0	.0	.0	.0	.0	5.7	6.0
SSW	.5	2.4	2.8	.8	.0	.0	.0	.0	.0	.0	.0	6.0	7.0
SW	.2	2.0	2.8	.8	.1	.0	.0	.0	.0	.0	.0	7.1	7.1
WSW	1.5	2.3	2.5	.7	.1	.0	.0	.0	.0	.0	.0	7.1	6.6
W	1.5	3.4	2.5	1.2	.2	.0	.0	.0	.0	.0	.0	8.6	6.5
WNW	.5	1.3	.9	.3	.0	.0	.0	.0	.0	.0	.0	3.2	6.1
NW	.6	1.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	2.5	5.7
NNW	.5	1.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	2.3	5.2
VARB													
CALM												20.3	
	13.7	28.7	27.9	8.8	.9	.0	.0	.0	.0	.0	.0	100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2478

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-80 MONTH ALL

CLASS ALL WEATHER HOURS (L & T) 00

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									4.2	4.5
NNE		1.0	1.0									2.9	7.4
NE		1.0	1.0	1.0	1.0							3.2	8.3
ENE		1.0	1.0									2.3	6.3
E	1.0	1.0	1.0									3.2	9.7
ESE	1.0	1.0	1.0									1.3	3.5
SE		1.0	1.0	1.0								1.6	5.5
SSE		1.0	1.0	1.0								1.6	5.6
S	1.0	1.0	1.0	1.0	1.0							2.7	6.3
SSW		1.0	1.0	1.0	1.0							4.7	7.0
SW	1.0	1.0	1.0	1.0	1.0							6.5	5.8
WSW	1.0	1.0	1.0	1.0	1.0							5.0	5.0
W	1.0	1.0	1.0	1.0	1.0							4.5	4.0
WNW	1.0	1.0	1.0	1.0	1.0							3.9	6.3
NW	1.0	1.0	1.0	1.0	1.0							1.0	3.7
NNW	1.0	1.0	1.0	1.0	1.0							1.5	4.8
VARBL													
CALM												40.7	
	1.0	27.1	13.9	3.5	1.0							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-22 YEARS 1954 MONTH AUG
 ALL WEATHER CLASS ALL WEATHER HOURS (L & T) 24
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	.3									3.0	4.9
NNE		.3	.3									1.0	5.7
NE		.3	1.7	.3								1.2	7.7
ENE	.3	.3	.3	.3								1.6	6.3
E	.3	.3	.3	.3								1.3	4.5
ESE	.3	1.7	.3	.3								1.7	5.5
SE	.3	.3	.3	.3								1.3	5.0
SSE	.3	.3	.3	.3								1.3	4.0
S	4.3	2.9	.3									8.4	3.8
SSW	2.5	3.9	2.6	1.0								10.3	6.1
SW	1.7	3.9	1.0									7.1	5.1
WSW	2.0	1.7	.3	.3								5.8	4.4
W	1.7	1.7	.3									3.2	4.9
WNW	2.0	1.7	.3									4.0	3.7
NW	.3	2.3	.3	.3								3.5	5.5
NNW	1.5	1.3	.3									3.5	3.8
VARB													
CALM												79.4	
	22.7	24.5	10.6	2.6								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NO. 5 GPO 1964 741 148 (11)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955 STATION ASHEVILLE, NC STATION NAME 23-22 YEARS ANC
06 MONTHS
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.3	.3	.3								2.3	6.3
NNE	.4	.7	.6	.3								1.9	6.8
NE	1.2	1.3	1.0	.6								3.4	6.9
ENE	.5	1.2	.6	.3								2.3	6.7
E	.3	.6	.7									1.7	6.8
ESE	1.2		1.0									1.8	5.8
SE	.4											.6	2.0
SSE	.6	1.0	.3									1.9	4.7
S	4.2	2.9	1.6	.3								9.0	4.8
SSW	1.9	4.2	2.6	.6								9.4	5.9
SW	1.6	1.3	2.3	.3								5.5	6.3
WSW	1.9	2.9	1.6									6.5	5.3
W	2.3	3.2	.6									6.8	4.3
WNW	.6	1.9										2.6	4.0
NW	1.3	1.6	.6									3.5	4.4
NNW	1.3	3.2	.7	.3								5.2	5.3
VARB													
CALM												35.5	
	2.0	27.8	13.9	3.2								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10-55 STATION NO. GLENNVIEW, IL STATION NAME 73-82 YEAR

AGE MONTH 07 HOUR (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.9	2.6									5.7	6.1
NNE		1.6	1.3	1.0								3.9	3.3
NE	.7	1.6	3.5	1.7								6.8	6.2
NNE	.3	1.6	1.3									3.2	6.2
E	1.7	3.5	2.3	1.0								7.7	7.1
ESE	.6	.6	.6									1.9	5.8
SE	.3	.6		.3								1.3	7.0
SSE	.3	1.6	1.3									3.2	5.7
S	1.7	4.5	2.9	.6	.3							10.3	6.3
SSW	.6	3.9	2.6	1.9								9.0	7.9
SW	.6	2.9	4.2	1.3								9.0	7.6
WSW	2.3	1.9	3.9	1.0								9.0	6.5
W	1.7	2.3	1.9	1.6								6.8	7.4
WNW	.6	3.2	1.0	.3								5.2	5.9
NW	1.3	1.0	.6									2.9	4.6
NNW	.6	1.6	.6									2.9	5.7
VARB.													
CALM												11.0	
	12.3	35.5	10.6	10.3	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14-55 STATION VIEWER, II STATION NAME 73-82 YEARS AUG
ALL WEATHER MONTH 12
 CLASS CLAS HOURS (LST) 12
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.3	1.0									1.3	6.0
NNE	.6	1.9	2.9	1.6								7.1	7.9
NE	.6	2.9	3.5	1.3	.3							8.7	7.9
ENE	.3	4.2	3.3	.6	.3							9.9	7.9
E		3.3	4.2	.6								8.7	7.8
ESE	.3	1.3	1.3									3.5	6.8
SE	.3	1.3	1.3									2.6	6.9
SSE	1.3			.6								1.6	6.0
S	1.3	3.5	3.2	1.3								9.0	7.5
SSW	.3	.6	2.9	3.2								7.1	10.1
SW	.3	2.9	2.9	1.6								8.1	7.8
WSW	.3	2.9	3.9	1.9								9.9	8.2
W	.3	4.2	3.9	3.2								11.6	8.3
WNW	.3	1.3	1.3	.6								3.2	7.1
NW	.3	1.3	1.3	.6								3.5	7.0
NNW		.3	.3									.6	6.0
VARBL													
CALM												4.9	
	6.7	32.3	38.8	17.8	.6							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14155 STATION ALLVIEW, IL STATION NAME 73-82 YEAR AVE MONTH 15
ALL WEATHER CLASS 15 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.3	1.7								3.5	8.9
NNE		.7	4.2	.6								5.2	9.2
NE		1.3	4.5	.6								6.2	8.6
ENE		2.0	6.2	1.6								10.3	8.3
E	.6	5.2	8.4	1.7								15.2	7.6
ESE		1.6	3.2									4.2	6.9
SE		.6	2.3									2.9	7.6
SSE	.3	.6	.6									1.6	8.0
S		1.3	3.9	2.6								7.7	9.7
SSW	.3	1.9	3.2	2.9								8.4	9.1
SW		2.3	4.2	1.3								8.4	8.6
WSW		1.9	2.9	2.6								7.9	9.5
W	.6	2.6	3.2	1.6								8.7	8.3
WNW	.3	1.3	.6	.6								2.9	7.2
NW		1.3	.6	1.7								2.9	8.2
NNW		1.0	1.0									1.9	7.0
VARBL													
CALM												1.6	
	2.3	27.3	51.6	17.8								100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

RU.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

1455 STATION GLENVIEW, IL STATION NAME 73-22 YEAR AUG MONTH
ALL WEATHER CLASS 1A ROOM (L S V)
 CONDITION

SPEED (KNTS) DIR.	1-3	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	1.6								5.2	8.3
NNE	1.7	3.3	3.2									7.7	6.2
NE	.3	3.5	1.3	1.0								6.1	6.6
NNE	.6	4.2	2.3	1.0								8.1	5.6
E	2.4	5.8	1.6									10.0	4.8
ESE	.6	5.8	1.0	.3								7.7	5.5
SE	.6	1.0	.6									3.2	4.9
SSE		1.0	.6									1.6	6.8
S	.6	2.9	5.2	.6								9.4	7.6
SSW	1.0	2.9	2.9	1.6								6.9	7.3
SW	.3	2.9	1.9	1.9								7.1	8.0
WSW	2.3	2.3	3.2	.6								8.4	6.3
W	1.3	4.2	1.6	.3								7.9	5.7
WNW	.3	1.3										1.6	4.0
NW	.3	.3	1.0									1.6	6.4
NNW			1.3	.3								1.6	0.6
VARBL													
CALM												4.8	
	12.6	42.9	30.0	9.7								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 310

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1985 STATION GLENVIEW, IL STATION NAME 73-82 YEARS AUG
 NORTH 21
 HOURS (L O T) 21
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) 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	1.9	1.2	1.3									4.8	4.5
NNE	1.8	1.6	.3	.3	.3							4.2	5.4
NE		1.6	1.6									3.2	6.4
NNE	1.4	2.3	1.3	.3								5.5	5.6
E	2.9	1.7	.3									4.2	3.2
ESE	1.6	1.7	.6	.3								3.5	4.9
SE	.4	.3										1.7	3.0
SSE	.6	.6	.3									1.6	4.6
S	5.2	3.9	2.6	.3								11.9	4.7
SSW	3.5	3.5	1.6	.6								9.9	5.0
SW	1.7	2.6	2.3	.6								6.5	6.4
WSW	1.7	1.3	1.3									4.5	5.0
W	1.3	1.3	1.7	.3								3.9	5.8
WNW													
NW	.3	.6										1.0	4.7
NNW	.3		.6	.3								1.3	4.3
VARS													
CALM												33.5	
	24.5	23.5	14.8	3.2	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

19-85 STATION NAME WELFICK, II STATION NAME YEARS 73-77 MONTH AUG
 ALL WEATHER CLASS ALL HOUR (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	1.2	.4								3.2	6.5
NNE	.7	1.3	1.0	.5	.7							4.2	7.0
NE	.3	1.9	2.1	.7	.1							5.0	7.7
NNE	.7	2.3	2.1	.5	.0							5.3	7.0
E	1.2	2.7	2.3	.3								6.5	6.3
ESE	.7	1.9	1.1	.1								3.3	5.8
SE	.3	.7	.6	.7								1.7	5.7
SSE	.5	.7	.5	.1								1.8	5.3
S	2.5	3.2	2.8	.7	.0							9.3	6.1
SSW	1.4	3.1	2.6	1.7								9.8	7.1
SW	1.0	2.7	2.7	1.5								7.3	7.0
WSW	1.7	2.3	2.3	.8								7.1	6.5
W	1.4	2.6	1.9	.9								6.6	6.5
WNW	.7	1.6	.5	.7								3.7	5.5
NW	.3	1.1	.6	.2								2.5	5.8
NNW	.5	1.1	.6	.1								2.3	5.7
VARB.													
CALM												11.3	
	14.6	30.0	25.5	8.4	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2490

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955 STATION GLAVIER, IL STATION NAME 73-92 YEAR SEP MONTH
ALL WEATHERS CLASS
00 HOUR (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.3	.7	.3								2.7	6.3
NNE	.7	1.3	1.7	.3								3.0	7.2
NE		1.3	.3	1.0								2.7	6.4
NNE	1.7	.3	1.7	.3								3.0	5.7
E	1.7	.7	.7	.3								3.3	4.9
ESE		1.0										1.0	6.0
SE	.7	1.0										1.7	3.6
SSE		.7										.7	4.5
S	3.7	3.0	3.7	1.0								10.7	5.6
SSW	.7	2.7	3.7	.7								7.7	7.3
SW	1.7	3.3	1.7									5.3	5.3
WSW	2.7	2.7	1.0	.3								6.5	5.1
W	3.7	4.3	1.3									8.7	4.7
WNW	1.3	1.3	.7									3.3	4.6
NW	2.7	3.0	1.3									7.0	4.8
NNW	.7	2.3	1.7	.3								5.0	5.7
VARB													
CALM												28.3	
	19.3	30.3	17.3	4.7								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 300

U.S. GPO 1964 741 348/201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14254 STATION 010010W, II 73-81 YEARS SEP
 STATION NAME CLASS ALL WEATHER MONTH SEP
 HOURS (L & T)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	.7									8.0	3.9
NNE	.7	.7	1.3	.3								2.7	6.5
NE		1.7	1.7	.7								2.7	8.6
ENE		1.7	.3									1.7	5.3
E	.7	.7	1.7									2.7	5.6
ESE		1.3										1.7	4.6
SE		.7	.7									.7	8.0
SSE	.7	.7	.3									1.7	4.0
S	1.7	3.0	2.3									8.7	5.1
SEW	2.3	3.3	2.7	.7								9.0	5.8
SW	1.7	3.3	2.3		.3							7.3	6.2
WSW	1.7	2.3	1.3									5.7	5.2
W	3.3	2.7	1.7									6.7	3.9
WNW	2.7	3.7	.7									5.7	4.7
NW	1.3	2.7	1.3	.3								5.0	5.4
NNW	.3	2.7	2.0	.7								5.0	7.1
VARBL													
CALM												30.7	
	10.7	28.0	18.7	2.7	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 310

RU S GPO 1984 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME GLENNVIEW, IL YEAR 73-82 MONTH SEP
 CLASS ALL WEATHER
 CONDITION _____
 HOURS (LST) 06

SPEED (KNTS) DIR.	1-3	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	1.0	.3								3.0	6.4
NNE	.7	.7	1.3									2.3	6.0
NE		.7	.7	.7								1.7	9.6
ENE		1.0	1.3									2.3	6.6
E	.7	.7	.7									1.7	5.4
ESE	.7		.7									1.3	5.8
SE	.7		.7									1.0	6.7
SSE	1.3	1.7										3.0	3.6
S	1.7	5.0	1.3	.7								8.7	5.6
SSW	.7	2.7	2.7	.7								6.7	7.2
SW	1.7	3.0	1.0	.3								6.0	3.3
WSW	.7	1.7	2.3									4.7	6.4
W	1.3	3.3	1.3									5.7	5.1
WW	2.7	2.7	.3									5.3	3.9
NW	2.7	2.7	1.7	.3								7.3	5.0
NNW	1.3	2.7	1.7									6.0	5.5
VARB													
CALM												13.3	
	16.7	28.7	18.3	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

14053 STATION NAME: WILKIE, II YEAR: 73-82 MONTH: SEP
 CLASS: ALL WEATHER HOURS (L.S.T.): 09
 CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	3.7	1.3								6.7	8.0
NNE	.7	1.7	1.3	2.0								5.7	9.1
NE	.7	1.7	1.3	1.3	.3							6.3	9.5
ENE		1.7	1.7	.7								3.3	7.1
E	1.7	.7	1.7	.7								4.7	6.9
ESE		.7	1.3									1.7	7.4
SE		.7	1.3									2.0	6.5
SSE	.7	1.7	.7									2.7	5.5
S	1.7	2.7	2.3	.7								7.0	6.9
SSW	1.7	6.7	6.7	.7								14.3	6.3
SW	.7	2.3	4.7	1.3								8.3	7.6
WSW	1.7	2.3	3.7	1.3								8.3	7.5
W	1.3	3.7	3.7	.3								7.7	6.5
WNW	1.7	1.7	3.3	.7								7.0	6.6
NW	.7	1.7	2.7	.3								6.7	6.6
NNW	1.7	2.3	3.7	.3								7.3	7.1
VARB													
CALM												5.7	
	12.7	30.3	40.0	11.7	.3							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEAR 1952 SEP
 MONTH SEP
 ALL WEATHER
 CLASS
 HOURS (L & T) 12
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	7.7	2.3								7.7	9.1
NNE		1.7	2.7	2.7	.7							6.3	17.0
NE	.7	1.7	4.7	1.7	.3							7.7	9.1
ENE			1.7	1.7								3.3	7.0
E	.3	2.7	1.7	.7								4.7	6.8
ESE	1.7		2.7	.7								3.3	6.7
SE		1.7	1.7	.3								2.3	7.4
SSE		1.7	1.7	.3								3.3	7.2
S	.7	3.7	2.7	1.7		.3						3.3	9.1
SSW		1.7	8.7	1.7								11.3	8.9
SW		1.7	2.7	2.7								6.7	9.6
WSW	.7	1.7	4.7	2.7		.7						9.7	9.1
W	1.7	4.7	4.7	.7	.3							10.7	6.8
WNW	.7	.7	3.7	.3								5.3	6.1
NW		1.7	1.7									2.7	7.0
NNW	.7	1.7	2.3	1.7								5.3	8.0
VARBL													
CALM												3.7	
	5.7	24.7	47.7	17.7	1.3	.7						100.7	8.0

TOTAL NUMBER OF OBSERVATIONS 320

8805

NO. 5 GPO 1964 / 41 548 201

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 73-80 SET MONTHS SEP
 CLASS ALL WEATHER HOURS (LST) 15
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.7	1.7								4.0	11.1
NNE		1.7	3.4	1.7								7.7	9.7
NE		4.0	2.7	3.4								9.7	6.4
ENE		3.4	3.4									7.7	6.7
E		4.0	3.4									8.3	7.6
ESE		1.7	2.7									4.3	5.7
SE		1.7										1.7	4.8
SSE		1.7	1.7									2.0	7.3
S		1.7	3.4	1.7								4.7	8.5
SSW		2.7	4.0	2.7								9.7	8.7
SW		1.7	4.0	1.7								7.7	9.0
WSW		2.7	4.0	1.7								7.7	8.0
W		2.7	4.3	3.4								10.7	9.2
WNW		1.7	3.4	1.7								5.7	8.4
NW		1.7	2.7	1.7								3.7	9.5
NNW		1.7	1.7									2.7	8.5
VARBL													
CALM												1.7	
	4.0	22.7	44.0	20.0	1.7							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 320

RU.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, NC STATION NAME ASHEVILLE, NC YEAR 73-82 MONTH SEP
 CLASS ALL WEATHER HOURS (L E T) 18
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.7	1.7	1.7								6.0	6.4
NNE		1.7	1.7	1.7								3.0	7.0
NE		1.7	1.7	1.7								5.1	6.5
ENE		1.7	1.7	1.7								7.0	5.5
E		1.7	2.7	1.7								8.0	3.6
ESE		1.7	1.7	1.7								6.4	4.0
SE		1.7	1.7	1.7								2.0	5.0
SSE		1.7	1.7	1.7								2.7	5.0
S		2.7	2.7	4.3	1.7							9.7	6.3
SSW		1.7	2.7	1.7	1.7							6.7	5.5
SW		1.7	1.7	1.7	1.7							5.7	5.1
WSW		1.7	1.7	1.7	1.7							4.3	5.1
W		1.7	3.7	1.7	1.7							6.7	6.1
WNW		1.7	2.7	1.7	1.7							4.3	5.3
NW		1.7	2.7	1.7	1.7							4.0	4.7
NNW		1.7	1.7	1.7	1.7							4.3	6.5
VARB													
CALM												9.3	
	21.7	15.3	22.0	6.3	1.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 300

8805

NO. 5 (REV. 1984) 7-11 148 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1655 STATION 01671E, IL STATION NAME 73-02 YEARS SEP MONTHS 21 HOURS (L.S.T.)

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	1.3	2.7	1.3									5.0	5.1
NNE	1.3	1.3	2.7	1.3								5.7	7.3
NE		1.3	2.7		.7							3.7	8.5
ENE	1.3	1.3	.3									2.7	3.9
E		1.3	.3									1.3	5.8
ESE	.7	1.3	.7									2.7	5.4
SE		.3										.3	4.0
SSE	.7	.3										.7	3.5
S	1.3	5.7	3.7	.7	.7							11.7	8.2
SSW	2.7	3.7	1.7	.7								8.3	5.4
SW	1.3	2.7	.7									4.7	5.0
WSW	1.3	1.3	.3	.3								3.3	5.3
W	1.7	3.7	1.7									6.7	4.7
WNW	2.7	1.3		.7								3.7	3.8
NW	1.7	1.7	.7									3.3	4.9
NNW	.7	1.3	1.7									3.0	6.9
VARBL													
CALM												75.0	
	15.7	22.0	16.3	3.7	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NO. 5 GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1855 STATION CLEMVIEW, IL YEAR 73-92 SEP MONTH

STATION NAME ALL WEATHER CLASS ALL HOURS IL & T

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	1.1	.9	.1							4.6	7.5
NNE	.8	1.1	2.1	1.1	.2							5.1	8.3
NE	.2	1.7	1.6	1.2	.1							4.7	8.3
ENE	.5	1.5	1.2	.8								3.6	6.2
E	1.1	1.5	1.2	.7	.3							4.1	5.8
ESE	.7	1.4	1.0	.0								2.9	5.5
SE	.2	.7	.5	.0								1.4	5.0
SSE	.5	1.0	.5	.1								2.1	5.4
S	1.6	3.4	2.5	.8	.0	.3						8.9	6.4
SSW	1.2	3.1	3.3	1.1								9.2	7.0
SW	.3	2.9	2.2	.8	.0							6.4	7.0
WSW	1.3	2.8	2.3	.6		.0						6.0	6.8
W	1.7	3.2	2.2	.6	.1							7.8	6.1
WNW	1.4	1.7	1.5	.3								5.0	5.8
NW	1.3	1.9	1.4	.2								4.7	5.7
NNW	.8	2.0	1.0	.4								3.2	6.8
VARBL													
CALM												18.6	
	14.5	22.9	28.0	6.6	.5	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2400

U.S. GPO 1984 741 348/201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14-55 STATION ASHEVILLE, II STATION NAME 73-82 YEARS CCY
 MONTH 00
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.5	1.5									1.9	7.8
NNE	.2	1.0	1.3	.3								3.2	7.1
NE		.3	.3	.3								1.0	8.7
ENE	.6	.5	.3	.3								1.6	5.6
E	.7	1.0	.6	.3								2.3	5.7
ESE			1.0									1.0	9.3
SE		.7	1.7									1.3	7.8
SSE		1.0	.3	.6								1.9	9.0
S	1.3	3.2	3.2	1.6	.3							9.7	7.7
SSW	1.3	3.5	2.6	1.6	.6							9.7	7.8
SW	1.6	1.3	1.6	1.3								5.8	6.7
WSW	1.0	2.3	2.6									5.9	6.3
W	1.0	3.2	3.2	1.0								9.4	6.3
WNW	3.4	2.3	1.3	.3								7.7	4.6
NW	1.3	1.9	1.3									4.5	5.3
NNW	.3	1.3	1.9	1.0								4.5	7.5
VARBL													
CALM												28.7	
	14.3	23.5	23.9	8.7	1.0							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 310

RUS. GPO 1984-741-348 201

8N08

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14-55 STATION OLSPVIEW, IL STATION NAME 73-82 YEARS OCT
STATION MONTH HOURS (LST)
 CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.4	1.2	.3								2.3	5.0
NNE	.3	.6	.6	1.0								2.6	8.9
NE		.6	.7	.6								1.6	9.0
NNE	.5	1.0										1.3	4.1
E		1.0	1.0									1.9	6.3
ESE	1.0	.3			.3							1.6	6.0
SE		.3										.3	5.0
SSE	.6	.3	.6									1.6	5.4
S	1.9	2.2	3.5	1.3								9.7	7.0
SSW	2.9	4.5	2.9	1.9								12.5	6.5
SW	1.3	.6	1.9	1.0	.3							5.2	8.3
WSW	.6	2.3	.6	.3								3.9	5.7
W	3.2	2.2	3.5	.6								10.3	6.0
WNW	2.3	1.6	1.9	.3								6.1	5.5
NW	1.3	2.9	1.0									5.8	4.7
NNW	.6	2.6	.3	1.0								4.5	6.7
VARBL													
CALM												28.7	
	17.1	25.5	12.7	8.4	.6							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14155 STATION ELIZAVIEN, IL STATION NAME 73-82 YEARS OCT
MONTH 06
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			1.7	.7								2.3	9.1
NNE			1.0	.6	.7							1.5	11.2
NE	.6	.6	.6	.6								2.6	6.8
ENE			.6									.6	5.5
E	.5		.6	.3								1.3	8.5
ESE			1.7									1.0	9.3
SE	.7		.6									1.0	5.7
SSE	.7	.5	.6									1.6	6.9
S	.8	3.2	2.6	2.7								10.3	7.1
SSW	2.3	2.6	4.5	1.6	.7							11.3	7.5
SW	1.5	1.6	1.6	.6								5.8	6.1
WSW	.6	2.9	1.5		.7							5.5	6.5
W	1.9	2.9	1.9	1.3								8.1	6.2
WNW	1.7	2.7	.6	.6								5.5	5.5
NW	2.3	2.9	1.2	.3								7.4	5.5
NNW	1.7	1.7	2.6									5.5	6.1
VARBL													
CALM												28.4	
	15.3	22.7	23.2	8.7	1.0							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1455 STATION OLENVIEW, IL STATION NAME 73-82 YEAR CCY
ALL WEATHER MONTH CG
 CLASS CG HOURS (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		2.3	3.7	1.3								6.2	8.0
NNE	.5	1.0		1.3								2.9	7.8
NE	.3	.3	.3	.3	.3							1.6	9.6
ENE		.3	1.0	.6								1.9	9.8
E	.6	.6	.3	.3								1.9	5.0
ESE	.3	1.0	.3	.6								2.3	7.3
SE	.3	1.0	.3	.3								1.9	6.7
SSE		1.0	1.3	.3								2.3	7.4
S	1.0	2.0	5.5	1.9	.3							11.5	8.1
SSW	1.3	4.2	3.9	2.3								11.6	7.4
SW	.6	1.0	5.8	3.5								11.2	8.9
WSW	.3	3.5	1.0	1.0	.3							7.1	8.1
W	1.6	1.0	3.9	1.6	.3							9.4	7.8
WNW	1.4	1.3	1.0	1.0								5.5	7.2
NW	1.7	2.3	1.6	1.0								6.5	6.8
NNW	1.0	1.0	4.2	1.0								7.1	8.0
VARBL													
CALM												7.7	
	10.3	27.1	34.5	19.0	1.3							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 310

8208

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14 55 STATION GLENVIEW, IL 73-82 YEARS OCT
 STATION NAME YEARS MONTH
 ALL WEATHER CLASS
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.0	1.6	.5								2.9	8.4
NNE	1.5	2.3	2.3									5.8	9.2
NE	1.5	4.2	.7		.7							6.5	8.5
ENE	.6	.0	.7	.7								1.9	6.2
E		3.2	.4									3.9	5.5
ESE	.7	1.0	1.7	.7								2.9	7.0
SE		.6		.7								1.0	8.0
SSE		1.7	1.5	.7								3.5	7.7
S	2.3	1.7	5.5	2.3		.7						12.3	8.3
SSW	.6	1.6	4.5	2.6	1.7							10.3	10.1
SW	.5	2.3	4.2	4.8	.3							11.9	9.9
WSW	1.7	1.6	3.5	1.6								7.7	8.6
W	1.7	1.6	5.8	2.9	.3							11.6	9.2
WNW	.6	1.0	2.6	1.9								6.1	8.5
NW	.6	1.6	2.7	.6								5.2	7.8
NNW		1.3	1.9	.7								3.5	7.5
VARB													
CALM												2.9	
	7.7	22.5	42.6	21.6	1.9	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 310

U.S. GPO 1984 741 348/201

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1455 STATION GLENNIE, IL STATION NAME 73-82 YEAR CCT MONTH 15 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.7	.3								2.0	3.6
NNE	1.7	1.6	2.9	1.6								7.4	7.7
NE		2.6	4.5	1.3								9.0	7.8
ENE		1.7	1.6	.3								3.9	7.2
E		2.7	1.9									4.6	6.7
ESE		1.3	1.6	1.3								4.5	7.8
SE		.3	.3	.3	.3							1.3	6.8
SSE		.3	1.6	.3								1.9	8.3
S	.3	1.3	4.8	3.9								10.3	9.6
SSW	.3	1.3	2.3	2.6	1.0							7.4	10.2
SW	.6	1.7	3.9	3.2	1.7							9.7	9.9
WSW	.6	.6	3.5	1.9								6.8	8.9
W	1.3	1.0	7.1	3.2	.6							13.2	9.3
WNW	.6	.6	1.9	1.7	.3							4.5	9.1
NW		.3	3.2	.6	.3							4.5	9.6
NNW	.6	1.3	1.2	.3								4.2	7.2
VARB.													
CALM												3.0	
	7.7	19.0	44.5	22.3	3.2							100.0	8.4

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 GLENNIER, TN STATION NAME 73-82 YEARS OCT
15
 MONTH NOV HOURS (L.S.T.)
 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	2.0	1.0								5.0	3.1
NNE	1.0	1.0	2.0									6.0	3.1
NE	1.0	1.0	1.0	1.0	1.0							5.0	3.5
ENE	1.0	1.0	1.0	1.0								5.0	3.5
E	1.0	1.0	1.0	1.0								5.0	3.5
ESE	1.0	1.0	1.0	1.0								5.0	3.5
SE	1.0	1.0	1.0	1.0	1.0							5.0	3.5
SSE	1.0	1.0	1.0	1.0								5.0	3.5
S	1.0	1.0	1.0	1.0	1.0							12.0	3.5
SSW	1.0	1.0	1.0	1.0	1.0							6.0	3.5
SW	1.0	1.0	1.0	1.0	1.0	1.0						6.0	3.5
WSW	1.0	1.0	1.0	1.0	1.0							4.0	3.5
W	1.0	1.0	1.0	1.0	1.0							6.0	3.5
WNW	1.0	1.0	1.0	1.0	1.0							5.0	3.5
NW	1.0	1.0	1.0	1.0	1.0							3.0	3.5
NNW	1.0	1.0	1.0	1.0	1.0							1.0	3.5
VARB													
CALM												19.0	
	18.0	28.0	23.0	9.0	6.0							130.0	3.1

TOTAL NUMBER OF OBSERVATIONS 310

3805

NO. 5 GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 73-82 MONTH OCT
 CLASS ALL WEATHER HOURS (LST) 21
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.3	1.7	.4								2.4	5.1
NNE	.4	1.4	1.3	1.2								4.5	7.4
NE	1.2	1.0	.3									2.3	4.9
ENE		.7	.3	.3								1.0	3.0
E	1.0	1.7	.3									2.4	4.6
ESE			.7	.3								.5	12.0
SE	.3	.3	.4									1.3	3.0
SSE	.3		.4	.4								1.6	9.6
S	1.3	3.2	3.5	2.3	1.0							11.3	8.3
SSW	.4	3.2	3.0	.6	.3							8.7	7.7
SW	1.3	1.3	3.0	1.7								7.4	7.4
WSW	1.3	.6	1.3									2.9	5.2
W	2.3	3.5	1.6	1.9								9.4	6.5
WNW	1.3	1.9	1.3	.3								4.3	5.5
NW	.6	1.9	.3	.3								3.2	5.2
NNW	.3	2.3	1.9	.3								4.9	5.7
VARBL													
CALM												31.0	
	12.3	22.3	22.4	10.0	1.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 110

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION LENVIEW, TN STATION NAME 73-02 YEAR 60 MONTH ALL
 CLASS ALL
 HOURS (L O Y) ALL
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.0	.5								3.4	5.2
NNE		1.1	1.0	1.0								4.4	7.2
NE		1.7	1.4	.5	.1							3.5	7.5
ENE		.5	.4	.2								1.2	5.4
E		.4	1.5	.7	.2							2.7	6.0
ESE		.6	.6	.7	.4	.1						2.3	7.3
SE		.7	.2	.4	.2							1.4	6.8
SSE		.5	.7	.6	.3							2.2	7.4
S	1.5	2.7	4.1	2.3	.2							11.7	5.0
SSW	1.7	3.7	3.3	1.7	.4							9.7	7.9
SW	1.7	1.5	2.1	2.1	.2							8.3	8.2
WSW	.5	1.3	2.1	.9	.1							5.5	7.3
W	1.3	2.5	3.7	1.3	.2							10.2	7.4
WNW	1.5	1.3	1.5	.7	.0							5.7	6.4
NW	1.7	2.0	1.5	.4	.0							5.7	6.3
NNW	.7	1.5	1.2	.5								4.4	7.0
VARBL													
CALM												15.7	
	13.7	24.0	23.4	17.5	1.0	.0						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2481

NO. 5 GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 110150 STATION NAME 110150 YEARS 73-91 MONTH NOV
 CLASS ALL WEATHER HOUR (LST) NO
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.7	1.7	1.7	1.7						4.7	7.3
NNE			1.7	1.7	1.7	1.7						5.8	10.6
NE			1.7	1.7	1.7	1.7						1.7	7.7
ENE			1.7	1.7	1.7	1.7						2.8	7.9
E			1.7	1.7	1.7	1.7						2.8	8.3
ESE			1.7	1.7	1.7	1.7						1.7	7.0
SE			1.7	1.7	1.7	1.7						1.7	7.8
SSE			1.7	1.7	1.7	1.7						1.7	8.0
S	1.7	3.4	2.8	1.7	1.7	1.7						9.8	9.7
SSW	1.7	2.8	4.3	1.7	1.7	1.7						10.0	8.6
SW	1.7	4.3	2.8	1.7	1.7	1.7						8.8	8.0
WSW	1.7	1.7	3.4	2.8	1.7	1.7						7.3	9.2
W	1.7	4.3	2.8	2.8	1.7	1.7						11.7	7.2
WNW	1.7	1.7	1.7	1.7	1.7	1.7						5.8	6.3
NW	1.7	1.7	4.3	1.7	1.7	1.7						9.8	7.7
NNW	1.7	1.7	3.4	1.7	1.7	1.7						6.8	7.6
VARBL													
CALM												18.3	
	13.0	22.7	27.0	13.7	1.0	1.7						110.0	6.4

TOTAL NUMBER OF OBSERVATIONS 100

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 77-81 MONTH NOV
 CLASS ALL WEATHER HOURS LL & U 00 00
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												3.7	5.9
NNE												2.3	2.4
NE												1.7	2.0
ENE												1.7	1.6
E												2.7	4.7
ESE												2.4	2.5
SE												3.7	12.7
SSE												1.7	5.7
S												4.7	6.6
SSW												10.7	7.6
SW												5.7	5.6
WSW												7.7	7.5
W												11.7	7.7
WNW												6.7	5.7
NW												7.7	6.7
NNW												7.7	7.9
VARBL													
CALM												19.7	
	11.7	27.7	28.7	12.7	7.7	3.7						100.7	5.8

TOTAL NUMBER OF OBSERVATIONS 100

BMOS

90 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 77-20 YEARS NCM
 CLASS ALL WEATHER MONTH 16
 CONDITION HOURLY

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N												3.7	6.3
NNE												7	7.0
NE												1.7	7.3
ENE												3.7	12.1
E												3.7	7.8
ESE												1.7	7.5
SE												7	5.0
SSE												1.3	7.0
S												5.7	7.0
SSW												9.7	7.3
SW												10.7	7.9
WSW												6.7	5.9
W												11.0	7.4
WNW												6.0	6.5
NW												6.7	7.3
NNW												3.7	8.1
VARBL												20.7	
CALM													
	11.7	27.3	26.7	11.0	7	3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

RU S GPO 1984 741 148 701

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 13-22 NAVY NORTH

ALL WEATHER CLASS 06 HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	2.7									1.7	5.5
NNE		1.7	2.7	1.7								3.7	7.6
NE		2.7	2.7	2.7								1.7	5.0
ENE		2.7	1.7	2.7								2.7	5.9
E		1.7	1.7	2.7								3.7	6.6
ESE		2.7	2.7									1.7	7.0
SE				2.7								1.7	10.7
SSE		2.7	2.7	2.7								3.7	7.3
S		2.7	4.7	2.7								2.7	8.9
SSW		2.7	4.7	2.7								10.7	8.9
SW		2.7	4.7	2.7								7.3	7.5
WSW		2.7	4.7	1.7								9.3	7.9
W	1.7	3.7	5.7	4.7								15.0	8.5
WNW		1.7	2.7	1.7								5.7	8.3
NW	1.7	1.7	1.7	2.7								6.7	8.9
NNW	1.7	2.7	4.7	1.7								9.3	7.3
VARBL													
CALM												10.7	
	7.7	25.7	35.7	19.7	1.7							120.7	7.3

TOTAL NUMBER OF OBSERVATIONS 500

NO. S. GPO 1964 741 348 201

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 1-0055 CLEMENS, II STATION NAME 71-32 YEAR NOV
 MONTH 12
 CLASS ALL WEATHER
 HOURS (LST) 12
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	1.7	1.7								4.7	7.7
NNE		.7	1.7	1.7								3.7	7.4
NE		.7	1.7	1.7	.7							3.7	7.9
ENE		.7	1.7	.7	.7							3.7	7.7
E		.7	1.7									1.7	9.0
ESE			.7	.7								1.7	7.3
SE			.7	.7								1.7	6.3
SSE		.7	.7	1.7	1.7							1.7	7.9
S	1.7	2.7	6.7	2.7								12.7	8.3
SSW		2.7	5.7	4.7	.7							12.7	10.0
SW	.7	.7	7.3	3.3	.7							8.7	10.2
WSW	.7	2.7	4.7	1.7								8.7	8.7
W	.7	4.7	5.3	5.7								15.7	9.2
WNW	.7	1.7	1.7	1.7								4.7	8.8
NW	.7	1.7	2.7	1.7								6.7	8.9
NNW	.7	1.7	3.7	1.7								6.7	8.5
YARBL													
CALM												4.7	
	6.7	21.7	18.7	28.7	1.7							100.7	8.6

TOTAL NUMBER OF OBSERVATIONS 120

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14155 STATION GLENNIE, IL STATION NAME 73-80 YEAR NOV
 CLASS ALL WEATHER MONTH 15
 CONDITION _____ HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			2.7	1.7								2.7	9.6
NNE		3.0	1.3	1.3								6.0	8.2
NE	.7	1.0	1.0									2.3	6.7
ENE		1.3	1.0									3.0	7.3
E	.7	2.3	2.0	.3								5.0	6.8
ESE		.7	.7	.3								1.7	8.0
SE		.3	.3	.3								1.0	8.0
SSE		.3	1.3	1.0								2.3	9.7
S	.3	2.0	1.7	2.0								6.0	8.7
SSW	1.0	3.0	6.7	5.0	.3							16.0	9.3
SW	.7	2.0	3.7	3.7								9.7	9.5
WSW	.3	2.3	4.3	3.3	.3							10.7	9.1
W	.7	1.0	7.7	4.7	.3							14.3	9.9
WNW	.7	.3	3.3	1.7								6.0	8.5
NW	.7	1.7	3.3	1.3								6.7	8.0
NNW		1.7	1.7	1.3								4.7	8.6
VARBL													
CALM												2.0	
	4.7	23.3	41.7	26.7	1.7							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 300

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955 STATION NAME SLEWISVILLE, IL YEAR 73-93 MONTH NOV
 STATION CLASS ALL WEATHERS
 CONDITION

SPEED (KNTS) DIR.	1-3	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	2.7	.7								4.7	7.1
NNE	1.7	.7	1.7	.3	.3							5.7	7.6
NE	.7	.7	.7	.7	.3							2.7	3.1
NNE	.7		.7									1.7	4.0
E	.7	1.7	1.7	1.7	.3							4.7	5.4
ESE	.7	.7	.3									1.7	5.8
SE		.7	.3	.7								1.7	9.8
SSE		.7		2.7								2.7	10.5
S	1.7	2.7	4.7	1.7								9.7	7.2
SSW	1.7	1.7	1.7	1.7								10.7	7.4
SW	1.7	2.7	2.7	2.7								7.7	7.4
WSW	1.7	3.7	3.7	1.7								9.7	7.3
W	1.7	4.7	1.7	1.7		.3						12.7	8.3
WNW	1.7	2.7	1.7	1.7	.3							6.7	7.7
NW	1.7	1.7	.3	.3	.3							4.7	8.2
NNW	1.7	1.7	2.7	.7								5.7	7.0
VARBL													
CALM												14.7	
	13.7	25.7	26.7	18.7	1.7	.3						100.7	8.6

TOTAL NUMBER OF OBSERVATIONS 300

RUS GPO 1984 741-348/201

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14553 STATION CLEGGVIEW, TN STATION NAME 73-80 YEARS NOV
21 MONTH
 ALL WEATHER CLASS 21 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			0	1.0								1.7	10.6
NNE		7	7	7	3		3					2.7	9.5
NE			7	7	7	3						2.3	9.9
ENE	1.0		7									1.7	5.0
E			3	1.3	1.0							3.0	9.1
ESE			7	3	3	3						1.7	10.2
SE		7	1.3	7	3	3						2.3	9.6
SSE			3		7							1.7	11.3
S		7	3	5.0	1.7	3	3					10.7	8.8
SSW	1.3	2.3	2.7	1.3	3							8.0	7.7
SW		7	7	1.3								4.3	7.6
WSW		1.3	1.3	2.7								7.3	8.6
W	1.3	3.3	3.7	2.3		7						10.3	8.2
WNW	1.7	1.7	2.7	2.3								7.7	8.0
NW	7	1.3	2.3	1.7								6.3	8.4
NNW	7	4.3	2.3									6.7	5.9
VARBL													
CALM												10.7	
	7.7	24.3	26.0	17.7	1.7	1.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 300

NOV 1984 7:41 348 201

3

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

10056 STATION NO. 11 STATION NAME 73-82 YEARS NOV MONTH
 ALL WEATHER CLASS ALL HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	1.0	.7	.0							3.2	7.7
NNE	.3	.3	.5	.7	.1	.0						2.9	6.5
NE	.2	.5	.6	.3	.1	.0						1.8	6.1
ENE	.7	.7	.9	.3	.1							2.2	7.6
E	.2	1.0	1.2	.5	.0							3.3	7.8
ESE	.1	.5	.5	.2	.0							1.4	7.9
SE	.3	.5	.3	.3	.1							1.2	8.8
SSE	.1	.5	.7	.7	.0							2.0	9.0
S	.9	2.5	4.0	1.7	.1	.1						9.9	8.2
SSW	.2	2.5	4.2	2.5	.3							10.7	8.5
SW	1.1	2.5	2.5	1.9	.1	.0						8.4	7.9
WSW	.8	2.5	3.2	1.7	.0	.0						8.2	8.1
W	1.2	3.6	4.5	3.2	.2	.1						12.8	8.4
WNW	1.2	1.7	1.7	1.4	.0							6.0	7.4
NW	.3	2.2	2.2	1.3	.1							6.7	7.8
NNW	.7	2.0	2.5	.9	.0							6.2	7.5
YARBL													
CALM												13.7	
	9.0	25.5	31.5	12.4	1.5	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2400

SMOS

RU'S GPO 1984 (4) 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

14055 STATION GLENVIEW, II 77-82 YEAR DEC MONTH
 ALL WEATHER CLASS 00 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.5	1.6	1.0		.7						4.2	9.7
NNE			.3	1.0								1.6	11.6
NE			.7	1.3	.3							2.3	11.4
ENE			1.0									1.0	5.0
E				1.0								1.6	8.8
ESE			1.3									1.2	7.2
SE	.3		1.7	1.0								3.2	8.9
SSE	.3	.6	.6	.6								2.3	7.7
S	.3	4.5	1.9	1.3	.3							8.4	7.1
SSW	.1	2.5	4.2	2.3	.6	.3						10.6	9.4
SW	.5	2.9	4.5	1.0	.3							9.8	7.6
WSW	1.0	2.3	2.6	1.6								7.4	7.4
W	1.9	3.2	8.2	1.3								11.3	7.0
WNW	1.6	1.3	2.9	1.3	.6							7.7	8.2
NW	1.6	2.6	2.9	1.6								8.7	7.0
NNW		1.3	1.6	1.9								5.5	8.7
VARBL													
CALM												12.9	
	7.7	24.5	31.9	18.1	2.3	.6						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 11-05 GLENNVILLE, GA STATION NAME 73-82 YEARS DEC
 CLASS ALL WEATHER MONTHS 03
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	1.0									3.2	9.1
NNE			1.0	.6	.3							2.6	11.0
NE			.7		.3							1.0	11.0
NNE				.3								1.3	5.3
E	1.0	.3	.3	1.0								2.6	7.5
ESE			.7	.6	.3							1.3	9.0
SE			.4	.3	.6							1.3	9.5
SSE	1.0	1.0	1.0									2.9	9.7
S	1.0	2.0	1.7	1.0	.3							7.4	6.3
SSW	1.3	3.0	2.6	2.6	.3							10.6	8.4
SW	1.7	3.0	4.2	.6								9.7	6.6
WSW	.6	2.3	2.3	1.3								6.5	7.2
W	1.7	3.5	3.2	1.9	.3							10.3	7.7
WW	1.7	2.3	3.2	.6	.3							7.4	7.5
NW	1.7	3.7	2.3	1.9								9.3	7.6
NNW	1.0	1.0	3.2	1.0	.3							7.1	7.7
VARB													
CALM												15.3	
	12.3	26.3	28.0	16.5	2.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1955 STATION GLENVIEW, IL STATION NAME 73-87 YEARS DFC NORTH
ALL WEATHER CLASS D6 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.0	1.6	1.7								4.5	7.1
NNE				.6		.7						1.3	16.3
NE			.7			.7						1.4	10.5
ENE			1.6	.3								1.9	9.3
E	.7			.6								1.3	9.7
ESE	1.7	1.7	.7	.3								2.6	5.8
SE			.6	.6								1.2	10.6
SSE		1.0	1.7	.7								2.4	5.8
S	1.6	3.2	3.2	1.6								9.7	6.8
SSW	1.7	2.3	3.2	1.6	.6	.7						9.4	8.8
SW	.7	1.6	1.6	2.6		.3						6.5	9.8
WSW	.7	3.2	2.3	1.6								7.4	7.5
W	2.3	5.2	2.6	1.7	.6							11.6	6.7
WNW	1.5	2.6	2.6	.6	.6							8.4	7.2
NW	1.7	3.9	1.6	1.3	.3							8.1	7.2
NNW	.6	1.6	2.9	1.6	.6							7.4	9.3
VARBL													
CALM												15.2	
	12.7	27.1	25.5	15.8	2.9	1.3						170.0	6.7

TOTAL NUMBER OF OBSERVATIONS 310

9806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

1-53 STATION GLENNVILLE, GA YEAR 73-82 MONTH DEC
 STATION NAME CLASS CONDITION
ALL WEATHER
 HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.3	1.3	.3							3.9	9.2
NNE	1.3	.3		1.3								3.2	9.4
NE					.3							.3	20.0
ENE	.6											.6	3.0
E	.6		1.3	1.3								3.2	9.2
ESE	.6	1.3	.3									1.9	4.8
SE		.3		.3								.6	9.5
SSE	1.3	1.3	1.3	.6								4.0	6.3
S	.7	1.6	3.0	1.9								7.4	8.7
SSW	1.3	2.9	3.5	4.2	.3							11.0	8.9
SW	.6	1.3	2.7	1.6	.6	.3						6.4	10.1
WSW	.6	.6	3.0	1.6								6.4	8.8
W	3.6	3.0	4.5	2.3	.3							13.5	7.2
WNW	1.3	1.6	2.5	1.6		.3						7.4	8.8
NW	.3	1.3	3.5	1.9								6.0	8.4
NNW		.3	4.2	1.0	.6							9.0	8.5
VARBL													
CALM												11.6	
	11.7	12.7	32.3	21.3	2.6	.6						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 310

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

14 000
STATION

OLENIE, IL
STATION NAME

17-50
YEARS

090
MONTH

ALL WEATHER
CLASS

10
HOURS IN DAY

CONDITION

SPEED (KNTS) DIR.	1-3	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	.6							5.0	6.0
NNE			1.0	1.0								1.0	12.0
NE		.5	.7	.3	.6							1.0	13.0
ENE		1.0	.5	.7								1.0	7.5
E		.5	1.0	1.3								3.0	7.8
ESE			.5	.5								1.0	6.5
SE			.7									1.0	8.2
SSE		.5	1.0	.5								3.0	7.3
S	1.0	1.0	3.0	1.0	.7							7.0	8.4
SSW	.5	2.0	3.0	3.0	.6							10.0	9.8
SW	.7	1.0	1.0	4.0	1.0							9.0	11.0
WSW	1.0	1.0	4.0	2.0								10.0	7.7
W	1.0	3.0	6.0	4.0								16.0	8.2
WNW	1.0	1.0	1.0	2.0								7.0	9.0
NW		1.0	1.0	1.0								4.0	3.7
NNW	.7	1.0	2.0	1.0	.6	.7						6.0	10.1
VARB													
CALM												4.0	
	.7	1.9	32.6	27.8	4.2	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME 73-21 YEARS DISC
 CLASS ALL WEATHER NORTH 15
 ORIGIN HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.0	1.0								3.0	12.0
NNE			1.0	1.0								3.0	9.7
NE		1.0	2.0	3.0								4.0	6.8
ENE		1.0	2.0	3.0								1.0	5.2
E		1.0	1.0	1.0								3.0	5.1
ESE			3.0	3.0								1.0	7.0
SE			1.0	4.0								2.0	7.6
SSE			1.0	3.0								1.0	6.8
S		3.0	3.0	1.0								9.0	7.5
SSW		2.0	3.0	4.0	1.0							11.0	10.0
SW		1.0	1.0	3.0								7.0	10.0
WSW	1.0	1.0	4.0	1.0								9.0	8.1
W		3.0	6.0	5.0	6.0							15.0	9.5
WNW		1.0	2.0	2.0	3.0							7.0	9.3
NW			2.0	1.0								5.0	8.9
NNW		1.0	3.0	1.0								6.0	8.7
VARBL													
CALM												4.0	
	22.0	22.0	37.0	25.0	2.0							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NO. 1 (GPO 1981: 741 J48-201)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION 14435 DATE 11-11-55 STATION NAME ASHEVILLE YEARS 1955 MONTH DEC
 CLASS ALL WEATHER HOURS (LST) 12
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0										1.0	2.1
NNE												1.0	12.8
NE		1.0	1.0									2.0	2.3
ENE												1.0	4.0
E		1.0		1.0								2.0	2.2
ESE												1.0	2.6
SE												1.0	2.6
SSE	1.0	1.0	1.0									3.0	5.2
S	1.0	2.0	4.0	2.0								10.0	7.8
SSW	1.0	2.0	3.0	1.0								9.0	7.8
SW	1.0	1.0	2.0	2.0								8.0	9.4
WSW	1.0	2.0	2.0	1.0								9.0	6.5
W	1.0	1.0	3.0	2.0								10.0	7.7
WNW	1.0	2.0	1.0									5.0	7.3
NW	1.0	1.0	2.0	1.0								7.0	8.5
NNW	1.0	1.0	2.0									6.0	6.1
VARIA													
CALM												9.0	
	10.0	17.0	29.0	17.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 319

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												3.7	9.0
NNE												2.8	2.7
NE												2.6	5.1
ENE												2.7	2.7
E												2.9	8.2
ESE												3.5	7.5
SE												2.5	7.4
SSE												2.5	8.0
S												11.0	7.6
SSW												9.1	2.3
SW												10.7	8.0
WSW												6.5	7.8
W												11.7	8.8
WNW												9.7	6.3
NW												7.4	7.2
NNW												5.1	3.9
VARBL													
CALM												2.4	
	1.2	2.3	3.4	1.7	2.6	3.7	4.8	5.9	7.0	8.1	9.2	100.0	7.1

TOTAL NUMBER OF OBSERVATIONS _____ 325

U.S. GPO 1984 741 J48 /01

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-02 YEARS DEC
 CLASS ALL WEATHER MONTH ALL
 CONDITION _____ HOURS (LST) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.1	1.7	.9	.2	.1	.1					4.7	4.2
NNE		.7	.7	1.7	.1	.1						2.4	11.1
NE		.6	.9	.6	.2	.0						2.1	2.2
ENE		.4	.5	.7								1.3	5.7
E		.7	.5	1.2								2.4	4.1
ESE		.6	.5	.2								2.0	7.0
SE		.3	.8	.5	.0							1.1	5.7
SSE		.5	1.0	.2	.0							2.9	6.7
S	1.1	2.7	3.4	1.4	.2							8.9	7.5
SSW		2.5	3.5	2.5	.5	.1						10.1	9.0
SW		2.1	2.7	2.5	.4	.1						8.5	9.0
WSW	1.1	2.3	3.1	1.6	.1							8.0	7.6
W	1.2	3.5	4.2	2.9	.4							13.2	7.9
WNW	1.3	2.1	2.5	1.7	.2	.1						7.6	7.9
NW	.7	2.1	2.5	1.4	.1							7.2	7.8
NNW	.4	1.7	2.7	1.3	.4	.0						6.5	8.7
VARBL													
CALM												10.3	
	10.2	24.3	31.5	19.7	7.8	.5	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2476

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION NAME: _____ STATION MARK: _____ YEAR: 1966 MONTH: ALL
 CLASS: ALL WEATHER HOURS (LST): ALL
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.5	1.2		1						4.0	2.8
NNE		1.3	1.7	1.2		1						5.0	3.7
NE		1.4	1.6			1						4.4	3.1
ENE		1.7	1.5	.6								4.2	7.2
E		1.4	1.3	.6		1						5.2	6.5
ESE			1.0	.3								2.7	6.8
SE		.6	.6	.3								1.2	6.9
SSE		.7	.7	.4								2.2	7.2
S	1.1	2.2	2.7	1.5	2							6.1	7.8
SSW		2.3	1.0	1.9	2							5.2	8.4
SW		2.1	2.7	1.5	2							6.9	8.2
WSW		2.1	2.2	1.2	1							5.6	7.6
W	1.4	3.2	3.4	2.2	4	1						12.6	8.0
WNW	1.2	1.6	1.7	1.2	1							5.9	7.4
NW		1.5	1.6	.8	1							4.7	7.4
NNW		1.3	1.4	.7	1							4.1	7.7
VARBL													
CALM												15.1	
	11.2	25.3	22.4	15.9	2.1	4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 29212

NO. 5 GPO 1984 741 348 201

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

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

SURFACE WINDS

STATION ASHEVILLE, TN STATION NAME ASHEVILLE YEARS 73-81 ALL MONTHS
 INSTRUMENT CIG 200 TO 1400 FT W/VARY 1/2 MI OR MORE ALL HOURS (L & T)
 CLASS ASHEVILLE 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.1	3.4	2.7	.7	.3	.1					12.6	17.1
NNE		1.3	2.7	1.3	.3	.2						7.7	9.0
NE		1.2	2.2	1.6	.3	.1						6.2	8.6
NNE		1.7	2.1	1.2	.1	.7	.7					5.3	7.9
E		2.5	2.2	1.9	.2							7.3	8.6
ESE		.9	1.4	.4	.1							3.1	7.4
SE			.1	.5								2.4	7.1
SSE		1.1	1.7	.6	.1							3.8	7.8
S		2.1	3.1	1.2	.1	.1						7.3	7.8
SSW		2.7	1.5	1.3	.2							6.1	7.8
SW		1.2	1.7	.9	.1	.1	.0					5.2	7.7
WSW		1.3	1.7	1.7	.1							4.9	7.8
W		1.4	1.7	.6	.3	.7						5.2	7.8
WNW		1.3	.7	.6	.1							3.2	6.9
NW		1.4	1.3	1.0	.2							4.8	8.2
NNW		1.6	1.7	.8	.1							4.5	7.9
VARB													
CALM												12.6	
	10.5	25.1	30.2	13.4	2.6	.7	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 3855

NO. 5 GPO 1984 741 348 201

SMOS

NOCD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{5}{16}$	$\geq \frac{1}{8}$	≥ 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 NAME
ASHEVILLE, NC

YEARS
1951-1952

MONTH
JAN

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	71.4	71.4	44.5	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
≥ 20000	73.4	41.4	44.5	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 18000	53.4	41.4	44.5	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 16000	53.4	41.4	44.5	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 14000	53.4	41.4	44.5	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 12000	53.4	42.4	45.5	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 10000	57.4	47.4	51.5	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000	57.4	47.4	51.5	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000	57.4	51.5	57.5	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 7000	57.4	51.5	57.5	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 6000	57.4	51.5	57.5	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 5000	57.4	51.5	57.5	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 4500	57.4	52.5	57.5	58.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	57.4	54.5	57.1	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 3500	57.4	55.5	58.4	59.7	60.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 3000	57.4	61.4	65.7	66.1	66.8	66.3	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 2500	57.4	63.5	67.7	69.4	70.7	70.7	71.3	71.6	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 2000	57.4	67.1	72.7	73.6	75.2	75.2	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1800	57.4	67.7	75.2	74.5	76.1	76.1	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 1500	57.4	69.0	75.2	77.1	79.4	79.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1200	57.4	70.7	76.1	78.4	81.5	81.0	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1000	57.4	72.7	78.1	80.7	83.9	83.9	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 900	57.4	72.7	79.0	81.9	85.5	85.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	57.4	72.7	79.4	82.6	86.1	86.5	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 700	57.4	72.7	79.4	83.6	87.4	87.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	57.4	71.3	79.7	83.9	87.7	88.1	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	57.4	71.3	79.7	83.9	87.7	88.1	91.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 400	57.4	71.3	80.0	84.2	88.1	88.4	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 300	57.4	71.3	80.0	84.2	88.1	88.4	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 200	57.4	71.3	80.0	84.2	88.1	88.4	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 100	57.4	71.3	80.0	84.2	88.1	88.4	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	57.4	71.3	80.0	84.2	88.1	88.4	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 71- MONTH: JAN

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	33.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 20000	34.7	42.9	43.7	43.7	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 18000	34.7	42.9	43.7	43.7	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 16000	34.7	42.9	43.7	43.7	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000	34.7	42.9	43.7	43.7	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 12000	34.7	42.9	43.7	43.7	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 10000	36.7	47.7	49.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	36.7	47.7	49.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	36.7	47.7	49.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 7000	36.7	47.7	49.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000	39.7	51.8	53.4	53.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 5000	39.7	51.8	53.4	53.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4500	40.7	53.6	55.5	55.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	40.7	53.6	55.5	55.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500	41.7	55.8	57.3	57.3	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 3000	41.7	55.8	57.3	57.3	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 2500	45.7	63.2	65.9	65.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 2000	46.7	66.3	69.7	69.7	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 1800	46.7	66.3	69.7	69.7	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 1500	47.4	71.8	75.1	75.1	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 1200	47.7	73.9	77.4	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1000	47.7	73.9	77.4	77.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 900	47.7	74.3	80.3	80.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 800	47.7	74.3	80.3	80.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 700	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 600	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 500	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 400	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 300	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 200	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 100	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 0	47.7	75.2	81.0	81.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6

TOTAL NUMBER OF OBSERVATIONS: 710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 177 112 11 STATION NAME: ASHEVILLE YEARS: 1951-1952 MONTH: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
18000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
16000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
14000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
12000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
10000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
9000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
8000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
7000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
6000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
5000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
4500	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
4000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
3500	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
3000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2500	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
1800	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
1500	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
1200	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
1000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
900	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
800	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
700	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
600	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
500	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
400	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
300	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
200	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
100	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2

TOTAL NUMBER OF OBSERVATIONS: 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: 01

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	37.4	35.1	33.4	33.3	37.7	37.3	37.2	37.3	37.7	37.7	37.7	37.7	37.6	37.6	37.6	
IV 20000	31.7	29.9	29.9	29.9	42.8	41.2	41.2	41.2	41.2	41.5	41.5	41.5	41.5	41.5	41.5	
IV 18000	1.7	3.8	3.8	3.9	4.5	41.2	41.2	41.2	41.2	41.5	41.5	41.5	41.5	41.5	41.5	
IV 16000	11.7	3.8	3.9	3.9	4.5	41.2	41.2	41.2	41.2	41.5	41.5	41.5	41.5	41.5	41.5	
IV 14000	11.7	3.8	3.9	3.9	4.5	41.2	41.2	41.2	41.2	41.5	41.5	41.5	41.5	41.5	41.5	
IV 12000	10.3	40.2	47.8	47.1	43.4	43.4	43.4	43.4	43.4	43.7	43.7	43.7	43.7	43.7	43.7	
IV 10000	10.3	42.7	44.1	43.3	45.6	47.3	47.6	47.6	47.6	47.6	47.9	47.9	47.9	47.9	47.9	
IV 9000	10.4	42.8	44.1	43.3	45.6	47.3	47.6	47.6	47.6	47.9	47.9	47.9	47.9	47.9	47.9	
IV 8000	10.1	42.7	47.8	45.2	4.5	30.7	31.7	1.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
IV 7000	10.1	42.4	47.8	45.2	51.5	52.7	33.4	7.4	53.4	53.7	53.7	53.7	53.7	53.7	53.7	
IV 6000	10.7	47.1	43.2	5.5	51.5	3.1	53.7	33.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	
IV 5000	10.7	47.2	5.7	52.1	54.7	5.5	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	
IV 4500	10.7	47.7	51.4	53.1	55.7	56.3	56.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
IV 4000	10.7	48.1	54.3	55.6	57.6	58.3	58.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	
IV 3500	10.7	48.7	55.8	57.9	6.1	61.7	62.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
IV 3000	11.7	59.2	57.8	61.1	63.7	65.6	65.6	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	
IV 2500	12.4	57.1	61.1	62.7	65.3	67.9	68.3	69.8	69.8	7.1	7.1	7.1	7.1	7.1	7.1	
IV 2000	17.4	55.1	63.7	65.6	68.5	72.0	73.6	74.9	74.9	75.5	75.6	75.6	75.6	75.6	75.6	
IV 1800	45.7	55.7	55.7	63.2	71.1	73.4	75.2	76.5	76.5	77.2	77.2	77.2	77.2	77.2	77.2	
IV 1500	44.1	53.7	60.8	69.1	77.3	76.5	78.8	79.1	79.4	81.4	81.4	81.4	81.4	81.4	81.4	
IV 1200	44.4	53.8	67.2	71.4	75.6	79.1	81.4	81.4	81.4	84.2	84.2	84.2	84.2	84.2	84.2	
IV 1000	44.4	54.5	67.2	73.3	75.1	82.3	84.9	86.8	87.5	88.8	88.8	88.8	88.8	88.8	88.8	
IV 900	44.4	55.3	70.7	74.3	79.1	83.4	86.2	88.8	87.4	90.7	90.7	90.7	90.7	90.7	90.7	
IV 800	44.4	55.5	70.7	74.6	80.4	84.9	87.8	91.7	91.7	92.6	92.6	92.6	92.6	92.6	92.6	
IV 700	44.4	55.6	71.1	74.9	81.0	85.9	88.8	91.6	92.7	93.6	94.2	94.2	94.2	94.2	94.2	
IV 600	44.4	55.6	71.1	74.9	81.4	86.2	89.1	92.0	92.6	93.6	94.5	94.5	94.5	94.5	94.5	
IV 500	44.4	55.9	71.4	75.2	81.7	86.0	89.7	92.1	93.7	94.6	95.5	95.5	95.5	95.5	95.5	
IV 400	44.4	55.7	71.4	75.2	81.7	86.0	89.7	92.0	93.6	94.5	95.2	95.1	95.1	95.1	95.1	
IV 300	44.4	55.4	71.4	75.2	81.7	87.1	91.0	93.3	93.0	95.1	95.5	95.5	95.5	95.5	95.5	
IV 200	44.4	55.2	71.4	75.2	81.7	87.1	91.0	93.3	93.7	95.5	95.8	95.8	95.8	95.8	95.8	
IV 100	44.4	55.5	71.4	75.2	81.7	87.1	91.0	93.3	93.0	95.4	95.8	95.8	95.8	95.8	95.8	
IV 0	44.4	55.3	71.4	75.2	81.7	87.1	91.0	93.3	93.0	95.5	95.8	95.8	95.8	95.8	95.8	

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

74-10

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0-1/8	≥ 0	
NO CEILING	1.0	17.1	37.7	47.7	51.7	53.7	54.7	55.7	56.7	57.7	58.7	59.7	60.7	61.7	62.7	
IV 20000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 18000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 16000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 14000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 12000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 10000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 9000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 8000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 7000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 6000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 5000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 4500	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 4000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 3500	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 3000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 2500	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 2000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 1800	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 1500	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 1200	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 1000	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 900	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 800	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 700	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 600	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 500	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 400	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 300	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 200	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 100	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
IV 0	1.0	4.2	44.8	45.8	46.1	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

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

TOTAL NUMBER OF OBSERVATIONS 317

DIRNAVOCLANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥ 20000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
18000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
16000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
14000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
12000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
10000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
9000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
8000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
7000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
6000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
5000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
4500	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
4000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
3500	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
3000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2500	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
1800	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
1500	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
1200	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
1000	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
900	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
800	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
700	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
600	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
500	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
400	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
300	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
200	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
100	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
0	7.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5

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)

1
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	≥ 0
NO CEILING	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 20000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 18000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 16000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 14000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 12000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 10000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 9000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 8000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 7000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 6000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 5000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 4500	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 4000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 3500	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 3000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 2500	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 2000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 1800	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 1500	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 1200	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 1000	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 900	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 800	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 700	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 600	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 500	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 400	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 300	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 200	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 100	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7
IV 0	7.7	11.4	12.7	14.7	16.7	18.7	20.7	22.7	24.7	26.7	28.7	30.7	32.7	34.7	36.7	37.7

TOTAL NUMBER OF OBSERVATIONS 712

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEARS: 77-78 MONTH: JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	30.0	35.1	37.0	38.0	39.0	39.5	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.2	40.2	40.2
IV 20000	37.0	42.5	43.5	44.0	44.4	44.4	44.4	44.5	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.8
IV 18000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 16000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 14000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 12000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 10000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 9000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 8000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 7000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 6000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 5000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 4500	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 4000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 3500	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 3000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 2500	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 2000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 1800	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 1500	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 1200	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 1000	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 900	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 800	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 700	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 600	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 500	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 400	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 300	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 200	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 100	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9
IV 0	37.0	42.4	43.5	44.1	44.5	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9

TOTAL NUMBER OF OBSERVATIONS 242

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 1951-1952 MONTH: NOV
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS: 00-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.1	40.2	47.6	43.7	42.4	44.7	44.8	44.1	44.2	44.1	44.2	44.2	44.7	44.	44.7	44.1
IV 20000	45.7	45.1	46.5	46.3	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 18000	45.7	45.1	46.5	46.3	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 16000	45.7	45.1	46.5	46.3	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 14000	45.7	45.1	46.5	46.3	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 12000	47.3	46.5	49.9	49.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 10000	50.7	50.3	51.1	51.4	51.8	52.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000	50.7	50.3	51.1	51.4	51.8	52.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	52.4	52.6	55.7	55.3	55.7	56.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	54.3	55.7	56.7	56.4	56.7	57.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 6000	54.7	56.7	58.4	58.9	59.7	59.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 5000	54.7	56.7	58.4	58.9	59.7	59.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 4500	57.1	57.9	59.2	59.6	59.9	61.	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4000	57.1	57.9	59.2	59.6	59.9	61.	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 3500	61.5	62.7	61.0	61.7	62.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 3000	62.1	62.8	64.5	64.9	65.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2500	67.4	67.4	70.0	70.0	71.6	72.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 2000	73.4	73.4	77.7	76.4	76.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1800	75.2	75.2	79.4	79.1	79.1	81.2	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1500	76.6	76.6	81.6	82.6	84.7	85.8	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1200	77.3	77.3	83.3	83.3	84.6	86.5	87.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	78.5	78.5	83.3	83.5	87.9	89.7	91.1	91.9	91.9	91.9	92.2	92.6	92.6	92.6	92.6	92.6
IV 900	78.5	78.5	83.3	83.5	87.9	89.7	91.1	91.9	91.9	91.9	92.2	92.6	92.6	92.6	92.6	92.6
IV 800	78.5	78.5	83.3	83.5	87.9	89.7	91.1	91.9	91.9	91.9	92.2	92.6	92.6	92.6	92.6	92.6
IV 700	78.4	83.7	86.2	89.7	91.1	93.6	94.3	94.3	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	78.4	83.7	86.2	89.7	91.1	93.6	94.3	94.3	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	78.4	83.7	86.2	89.7	91.5	94.0	94.7	94.7	94.7	95.4	95.7	95.7	95.7	96.5	96.5	96.5
IV 400	78.4	83.7	86.2	89.7	91.5	94.7	95.4	95.4	95.4	96.1	96.5	96.5	96.5	97.2	97.2	97.2
IV 300	78.4	83.7	86.2	89.7	91.5	94.7	95.4	95.4	95.4	96.8	97.7	97.7	97.7	98.2	98.2	98.2
IV 200	78.4	83.7	86.2	89.7	91.5	94.7	95.4	95.4	95.4	96.8	97.9	98.6	99.7	99.0	99.0	99.0
IV 100	78.4	83.7	86.2	89.7	91.5	94.7	95.4	95.4	95.4	96.8	97.9	98.6	99.7	99.0	99.0	99.0
IV 0	78.4	83.7	86.2	89.7	91.5	94.7	95.4	95.4	95.4	96.8	97.9	98.6	99.7	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 232

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 77-78 MONTH: 04
 STATION NAME: YEARS: MONTH: 04
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS: 1,687

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
≥ 20000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
18000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
16000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
14000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
12000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
10000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
9000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
8000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
7000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
6000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
5000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
4500	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
4000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
3500	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
3000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
2500	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
2000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
1800	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
1500	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
1200	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
1000	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
900	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
800	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
700	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
600	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
500	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
400	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
300	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
200	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
100	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7
0	41.0	44.4	41.8	43.3	44.0	44.0	44.3	44.8	44.7	44.0	44.7	44.3	44.7	44.7	44.7	44.7

TOTAL NUMBER OF OBSERVATIONS 1,687

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC

STATION NAME

YEAR: 1955

YEARS

MONTH: 15

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	36.7	36.7	37.0	39.7	40.4	40.4	41.5	41.8	41.8	41.5	41.5	41.8	41.8	41.8	41.8	41.8
≥ 20000	37.3	38.7	40.2	42.9	43.6	43.6	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 18000	37.3	38.7	40.2	42.9	43.6	43.6	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 16000	37.3	38.7	40.2	42.9	43.6	43.6	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 14000	37.3	39.0	41.1	43.3	44.0	44.0	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 12000	37.3	39.7	41.8	44.0	44.7	44.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 10000	38.4	42.0	45.4	47.5	48.6	48.6	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	38.4	42.0	45.4	47.5	48.6	48.6	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	41.0	46.5	49.7	52.1	53.2	53.2	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 7000	41.0	46.5	49.7	52.1	53.2	53.2	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000	41.0	47.2	50.4	53.2	54.3	54.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 5000	43.0	49.7	53.2	56.4	57.5	57.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 4500	44.0	50.7	54.3	57.5	58.5	58.5	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 4000	44.0	51.3	55.3	58.9	59.9	59.9	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 3500	45.1	53.5	57.8	61.7	62.8	62.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3000	45.1	57.3	61.1	65.3	67.4	67.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 2500	46.0	58.0	62.9	67.0	68.1	68.1	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 2000	47.7	62.1	67.7	72.7	74.1	74.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 1800	48.0	63.5	69.2	74.1	75.9	75.9	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	48.0	65.6	72.3	77.7	79.4	79.4	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 1200	48.0	67.0	74.1	79.4	81.9	81.9	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1000	48.0	67.7	75.5	81.6	85.1	85.1	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 900	48.0	68.1	76.9	82.3	85.8	85.8	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 800	48.0	68.1	78.9	82.3	86.2	86.2	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 600	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 500	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 400	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 300	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 200	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 100	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 0	48.0	68.4	79.2	82.6	86.5	86.5	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8

TOTAL NUMBER OF OBSERVATIONS 252

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-72

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IN SET

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
IV 20000	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 18000	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 16000	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 14000	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 12000	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
IV 10000	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 9000	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 8000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 7000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 6000	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	47.2
IV 5000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4500	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
IV 4000	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 2500	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	54.6
IV 2000	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 1800	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 1500	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 1200	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 1000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 900	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 800	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 700	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 600	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 500	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 400	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 300	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 200	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 100	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4

TOTAL NUMBER OF OBSERVATIONS 202

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
18595

DATE
12 11

STATION NAME

77-12

YEARS

MONTH
DEC

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	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.0	17.0	31.7	39.4	39.7	39.7	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 20000	42.6	44.7	44.7	44.7	45.4	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 18000	42.6	44.7	44.7	44.7	45.4	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 16000	42.6	44.7	44.7	44.7	45.4	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	42.6	44.7	44.7	44.7	45.4	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 12000	42.6	44.7	44.7	44.7	45.4	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 10000	47.9	50.0	51.1	51.4	51.4	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 9000	48.3	50.4	51.4	51.4	52.1	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 8000	51.8	53.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 7000	52.1	53.3	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 6000	52.1	53.3	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 5000	52.1	53.3	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 4500	52.1	53.3	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 4000	53.3	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 3500	53.3	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 3000	53.3	54.4	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 2500	51.4	57.0	68.8	71.8	72.0	72.0	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7
IV 2000	53.3	59.9	72.3	75.2	76.2	77.0	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0
IV 1800	64.5	7.6	73.4	75.6	77.7	78.4	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1500	67.7	74.5	77.3	81.2	82.3	83.0	84.0	84.7	84.8	85.1	85.1	85.5	85.5	85.5	85.5
IV 1200	63.4	75.5	79.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 1000	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 900	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 800	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 700	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 600	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 500	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 400	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 300	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 200	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 100	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9
IV 0	63.4	76.7	81.1	84.4	84.4	85.1	86.5	86.5	87.2	87.6	87.6	87.9	87.9	87.9	87.9

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 77 MONTH: 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0		
NO CEILING	31.0	41.0	43.6	42.6	47.6	42.0	42.0	42.6	47.5	42.5	47.5	42.6	42.5	42.6	42.6	42.6
IV 20000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 8000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 6000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 5000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4500	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2500	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1800	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1500	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1200	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1000	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 900	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 800	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 700	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 600	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 500	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 400	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 300	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 200	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 100	31.5	42.7	42.3	47.3	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 0	31.5	42.7	42.3	47.3	47.7	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: 202

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1959
STATION

OLF FIELD, FL
STATION NAME

13-54
YEARS

FEET
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	51.0	47.4	41.3	47.9	43.3	43.3	47.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	47.3
IV 20000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 18000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 16000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 14000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 12000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 10000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 9000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 8000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 7000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 6000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 5000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4500	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3500	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 2500	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 2000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1800	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1500	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1200	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1000	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 900	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 800	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 700	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 600	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 500	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 400	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 300	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 200	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 100	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 0	50.0	47.5	49.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1

TOTAL NUMBER OF OBSERVATIONS 282

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 20000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 18000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 16000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 14000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 12000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 10000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 9000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 8000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 7000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 6000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 5000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 4500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 4000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 3500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 3000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 2500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 2000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1800	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1200	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 900	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 800	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 700	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 600	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 400	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 300	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 200	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 100	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4

TOTAL NUMBER OF OBSERVATIONS: 200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 20000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 18000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 16000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 14000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 12000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 10000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 9000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 8000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 7000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 6000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 5000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 4500	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 4000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 3500	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 3000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 2500	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 2000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 1800	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 1500	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 1200	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 1000	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 900	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 800	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 700	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 600	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 500	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 400	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 300	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 200	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 100	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2
IV 0	41.1	43.3	45.7	48.2	50.7	53.2	55.7	58.2	60.7	63.2	65.7	68.2	70.7	73.2	75.7	78.2

TOTAL NUMBER OF OBSERVATIONS 7254

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	≥ 5/16	≥ 0
NO CEILING	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 20000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 18000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 16000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 14000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 12000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 10000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 9000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 8000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 7000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 6000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 5000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 4500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 4000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 3500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 3000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 2500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 2000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1800	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1200	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 1000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 900	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 800	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 700	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 600	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 500	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 400	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 300	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 200	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 100	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

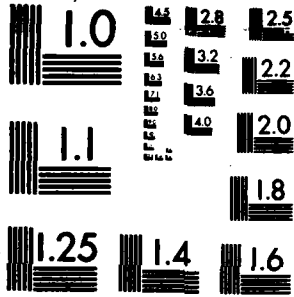
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 20000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 18000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 16000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 14000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 12000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 10000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 9000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 8000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 7000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 6000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 5000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 4500	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 4000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 3500	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 3000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 2500	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 2000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 1800	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 1500	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 1200	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 1000	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 900	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 800	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 700	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 600	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 500	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 400	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 300	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 200	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 100	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV IV 0	1.7	4.7	41.1	41.3	4.8	12.0	47.0	4.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



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

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
ASHEVILLE, NC

STATION NAME
ASHEVILLE, NC

YEARS
73-82

MONTH
06

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	38.1	36.5	42.0	41.9	42.3	42.3	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.6	43.6	43.6	43.6
IV 20000	29.4	38.7	42.6	44.8	45.5	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.8	46.8	46.8	46.8
IV 18000	29.4	38.7	42.6	44.8	45.5	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.8	46.8	46.8	46.8
IV 16000	29.4	38.7	42.6	44.8	45.5	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.8	46.8	46.8	46.8
IV 14000	29.4	38.7	42.6	44.8	45.5	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.8	46.8	46.8	46.8
IV 12000	30.7	39.7	43.6	45.8	46.5	46.5	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.7	47.7	47.7	47.7
IV 10000	31.4	42.6	46.8	49.0	49.7	49.7	50.3	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0
IV 9000	32.7	43.6	47.7	50.0	50.7	50.7	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.9	51.9	51.9	51.9
IV 8000	34.2	46.1	50.3	52.6	53.2	53.2	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5
IV 7000	34.2	47.1	51.6	53.9	54.6	54.6	55.5	55.8	55.8	55.8	55.8	55.8	55.8	56.1	56.1	56.1	56.1
IV 6000	34.2	47.1	51.9	54.2	55.2	55.2	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5
IV 5000	35.2	48.1	53.2	55.8	57.1	57.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4
IV 4500	35.5	47.7	54.2	56.8	58.1	58.1	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4
IV 4000	36.1	50.7	55.8	58.4	59.7	60.0	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3
IV 3500	36.9	51.3	56.5	59.0	60.7	61.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.3	62.3	62.3	62.3
IV 3000	39.4	54.8	61.3	63.9	65.8	66.1	67.1	68.1	68.1	68.4	68.4	68.4	68.4	68.7	68.7	68.7	68.7
IV 2500	41.3	58.1	64.8	67.4	69.7	70.0	71.3	72.3	72.3	72.6	72.6	72.6	72.6	72.9	72.9	72.9	72.9
IV 2000	42.6	60.7	67.7	70.7	73.2	73.6	75.5	76.5	76.5	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1
IV 1800	43.2	61.3	68.4	71.3	73.9	74.2	76.1	77.1	77.1	77.4	77.4	77.4	77.4	77.7	77.7	77.7	77.7
IV 1500	43.6	62.6	69.7	72.9	76.8	77.4	79.7	81.0	81.0	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6
IV 1200	44.2	63.2	71.7	74.2	78.4	79.0	81.3	82.6	82.9	83.2	83.2	83.2	83.2	83.6	83.6	83.6	83.6
IV 1000	44.2	63.9	71.6	75.5	80.3	81.3	83.6	84.8	85.5	86.5	86.5	86.5	86.5	86.8	86.8	86.8	86.8
IV 900	44.2	64.2	72.3	76.1	81.7	81.9	84.2	85.5	86.1	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4
IV 800	44.2	65.5	73.9	77.7	82.9	83.9	86.1	87.7	88.4	90.0	90.0	90.0	90.0	90.7	90.7	90.7	90.7
IV 700	44.2	65.8	74.2	79.1	83.6	84.5	86.8	88.4	89.0	90.7	91.3	91.3	91.3	91.6	91.6	91.6	91.6
IV 600	44.2	65.8	74.2	78.1	84.2	85.2	87.7	89.4	90.3	91.9	92.6	92.6	92.6	92.9	92.9	92.9	92.9
IV 500	44.2	65.8	74.2	78.1	84.5	85.5	88.4	90.3	91.3	93.9	94.8	94.8	94.8	95.2	95.2	95.2	95.2
IV 400	44.2	65.8	74.2	78.1	84.8	85.8	88.7	90.7	91.6	94.8	96.5	96.5	96.5	96.8	96.8	96.8	96.8
IV 300	44.2	65.8	74.2	78.1	84.8	85.8	88.7	90.7	91.6	95.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4
IV 200	44.2	65.8	74.2	78.1	84.8	85.8	88.7	90.7	91.6	95.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4
IV 100	44.2	65.8	74.2	78.1	84.8	85.8	88.7	90.7	91.6	95.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4
IV 0	44.2	65.8	74.2	78.1	84.8	85.8	88.7	90.7	91.6	95.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1955
STATION

PLEASANTVIEW, IL
STATION NAME

73-42
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

09
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	27.7	34.8	37.7	39.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.7
≥ 20000	29.4	38.4	41.6	44.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.5
IV 18000	29.4	38.4	41.6	44.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.5
IV 16000	29.4	38.4	41.6	44.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.5
IV 14000	29.4	38.7	41.9	44.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.8
IV 12000	30.3	39.7	42.9	45.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.8
IV 10000	31.1	41.3	45.2	48.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.4
IV 9000	31.1	41.3	45.2	48.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.4
IV 8000	33.6	44.5	49.4	52.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.5
IV 7000	35.5	47.1	51.9	55.2	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.1
IV 6000	35.5	47.4	52.3	55.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.4
IV 5000	36.3	48.7	53.9	57.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.0
IV 4500	36.5	49.4	54.5	57.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.3
IV 4000	36.8	50.0	55.2	58.4	60.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.6
IV 3500	38.1	51.3	55.5	59.7	61.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.9
IV 3000	39.7	53.2	59.7	62.9	64.5	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.1
IV 2500	41.3	56.8	63.2	66.8	68.4	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.3
IV 2000	42.3	60.7	67.4	71.0	73.6	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.5
IV 1800	42.7	61.9	68.7	72.3	75.5	76.5	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.4
IV 1500	43.9	63.9	70.7	74.2	78.4	79.7	80.3	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.3
IV 1200	43.9	64.2	71.0	74.8	79.4	81.3	81.9	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	83.2
IV 1000	44.2	65.2	72.6	76.5	81.3	83.6	84.5	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.8
IV 900	44.2	65.2	72.6	76.8	82.3	84.5	85.5	86.1	86.5	87.7	87.7	87.7	87.7	87.7	87.7	88.1
IV 800	44.2	65.5	72.9	77.1	83.2	85.5	87.4	88.4	88.7	90.3	90.3	90.3	90.3	90.3	90.3	91.0
IV 700	44.2	66.5	73.9	78.4	84.5	86.8	89.0	90.3	90.9	92.3	92.3	92.3	92.3	92.3	92.3	92.9
IV 600	44.2	66.8	74.2	78.7	85.5	88.1	90.7	92.3	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.8
IV 500	44.2	67.4	74.8	79.4	86.1	88.7	91.3	92.9	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.8
IV 400	44.2	67.4	74.8	79.4	86.1	88.7	91.3	92.9	93.6	95.2	95.2	95.2	95.2	95.2	95.2	95.8
IV 300	44.2	67.4	74.8	79.4	86.1	88.7	91.3	93.2	93.9	95.8	95.8	95.8	95.8	95.8	95.8	96.4
IV 200	44.2	67.4	74.8	79.4	86.1	88.7	91.3	93.2	93.9	95.8	95.8	95.8	95.8	95.8	95.8	96.4
IV 100	44.2	67.4	74.8	79.4	86.1	88.7	91.3	93.2	93.9	95.8	95.8	95.8	95.8	95.8	95.8	96.4
0	44.2	67.4	74.8	79.4	86.1	88.7	91.3	93.2	93.9	95.8	95.8	95.8	95.8	95.8	95.8	96.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14355
STATION

GLENVIEW, IL
STATION NAME

73-32
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.4	36.5	38.1	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
IV 20000	31.0	43.9	45.5	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 18000	31.0	43.9	45.5	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 16000	31.0	43.9	45.5	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 14000	31.0	43.9	45.5	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 12000	32.0	45.2	46.8	47.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 10000	34.8	48.4	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 9000	35.5	49.4	51.0	51.6	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 8000	35.4	51.3	52.9	53.6	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 7000	36.1	51.6	53.2	53.9	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 6000	36.8	52.3	53.9	54.5	55.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 5000	36.0	52.6	54.5	55.2	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 4500	37.4	53.2	55.5	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 4000	37.7	53.9	56.1	57.1	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3500	38.7	54.8	57.1	58.1	59.0	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 3000	42.6	59.7	62.6	63.9	65.5	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 2500	46.8	66.5	70.3	71.9	73.6	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2000	47.7	69.7	73.9	75.8	78.1	79.4	79.7	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	47.7	70.3	74.5	76.5	78.7	80.0	80.3	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1500	48.1	72.6	77.7	80.0	82.9	84.2	84.5	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1200	48.1	73.9	79.0	81.6	85.2	86.5	86.8	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1000	48.8	74.8	80.0	82.9	86.8	88.4	89.0	89.7	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3
IV 900	48.4	75.2	80.3	83.2	87.1	88.7	89.4	90.0	90.0	90.3	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	48.4	75.5	80.7	83.6	87.7	89.4	90.0	90.7	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6
IV 700	48.4	75.5	80.7	83.6	87.7	89.4	90.7	91.3	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9
IV 600	48.4	75.8	81.0	83.9	88.1	89.7	91.6	92.6	93.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	48.4	76.1	81.3	84.2	88.4	90.0	92.3	93.2	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	48.4	76.1	81.3	84.2	88.4	90.0	92.3	93.2	94.2	95.8	96.1	96.1	96.1	96.1	96.1	96.1
IV 300	48.4	76.1	81.3	84.2	88.4	90.0	92.3	93.6	94.5	96.8	97.1	97.1	97.4	97.4	97.4	97.4
IV 200	48.4	76.1	81.3	84.2	88.4	90.0	92.3	93.6	94.5	97.1	97.7	98.1	98.7	98.7	98.7	98.7
IV 100	48.4	76.1	81.3	84.2	88.4	90.0	92.3	93.6	94.5	97.1	97.7	98.1	98.7	98.7	98.7	98.7
IV 0	48.4	76.1	81.3	84.2	88.4	90.0	92.3	93.6	94.5	97.1	97.7	98.1	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14155
STATION

GLENNIE, IL
STATION NAME

73-82
YEARS

MAR
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	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.4	38.7	40.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	36.4	46.1	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 18000	36.4	46.1	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 14000	36.4	46.1	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 10000	36.4	46.5	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 7000	39.0	49.4	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 5000	39.0	50.0	51.6	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 4000	39.7	51.6	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 3000	39.7	51.6	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 2500	40.0	53.2	54.8	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 2000	40.7	55.2	56.8	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 1800	41.3	55.5	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 1600	42.6	58.1	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 1400	43.0	59.4	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 1200	47.7	65.5	67.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 1000	50.7	70.3	72.6	73.6	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 900	51.9	73.6	76.5	77.4	78.7	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 800	51.9	74.2	77.4	78.4	79.7	80.3	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 700	52.3	76.5	80.0	81.0	82.3	83.2	83.9	84.2	84.2	84.2	84.2	84.5	84.5	84.5	84.5
IV 600	52.9	78.4	82.6	84.2	86.1	87.4	89.7	90.3	90.3	90.3	90.7	90.7	90.7	90.7	90.7
IV 500	52.9	78.4	82.6	84.2	86.1	88.7	91.0	92.6	92.6	92.6	93.2	93.2	93.6	93.6	93.6
IV 400	52.9	78.4	82.6	84.5	86.8	89.4	91.9	93.6	93.6	93.6	94.2	94.2	94.8	94.8	94.8
IV 300	52.9	78.4	82.9	84.8	87.4	90.0	92.9	94.5	94.5	94.5	96.1	96.1	96.8	97.1	97.1
IV 200	52.9	78.4	82.9	84.8	87.4	90.0	92.9	94.5	94.5	94.5	96.1	96.1	96.8	97.1	97.1
IV 100	52.9	78.4	82.9	84.8	87.4	90.0	92.9	94.5	94.5	94.5	96.1	96.1	96.8	97.1	97.1
IV 0	52.9	78.4	82.9	84.8	87.4	90.0	92.9	94.5	94.5	94.5	96.1	96.1	96.8	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14955
STATION

GLENVIEW, IL
STATION NAME

73-82
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18
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	35.5	40.7	40.7	40.7	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000	39.0	44.8	45.5	45.5	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 18000	39.4	45.2	45.8	45.8	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 14000	39.4	45.2	45.8	45.8	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 14000	39.4	45.5	46.1	46.5	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 12000	40.0	46.5	47.1	47.4	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 10000	42.9	51.3	52.3	52.6	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 9000	42.9	51.3	52.3	52.6	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 8000	44.8	52.9	53.9	54.2	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 7000	45.5	54.2	55.2	55.5	56.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 6000	46.5	55.8	56.8	57.1	58.4	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 5000	47.4	57.1	58.1	58.4	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 4500	48.4	58.7	60.0	60.7	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 4000	50.7	61.6	63.6	64.2	65.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 3500	53.2	64.8	67.4	68.1	69.4	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3000	55.2	68.1	71.0	71.6	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500	55.8	70.0	73.2	73.9	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 2000	56.1	71.6	75.5	76.8	78.7	79.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 1800	56.1	72.3	76.1	77.4	79.7	80.0	80.7	80.7	81.0	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	56.7	73.6	77.4	78.7	81.3	81.9	82.9	83.2	83.6	83.9	84.2	84.2	84.2	84.2	84.2
IV 1200	57.1	74.8	78.7	80.7	83.9	84.5	85.5	85.8	86.1	86.5	86.8	86.8	86.8	86.8	86.8
IV 1000	57.1	75.2	79.7	81.6	85.2	85.8	86.8	87.1	87.7	88.4	89.4	89.4	89.4	89.4	89.4
IV 900	57.4	75.5	80.0	81.9	85.3	86.1	87.1	87.7	88.4	89.0	90.0	90.0	90.0	90.0	90.0
IV 800	57.4	75.5	80.3	82.6	86.1	86.8	87.7	89.0	89.7	90.7	91.6	91.6	91.6	91.6	91.6
IV 700	57.4	75.8	80.7	82.9	86.8	87.4	88.7	90.0	90.7	91.6	92.6	92.6	92.9	92.9	92.9
IV 600	57.4	75.8	80.7	82.9	87.1	87.7	89.0	90.7	91.3	92.3	93.2	93.2	93.6	93.6	93.6
IV 500	57.4	75.8	81.0	83.2	87.4	88.1	89.4	91.9	92.6	94.3	95.3	95.3	95.8	95.8	95.8
IV 400	57.4	75.8	81.0	83.2	87.4	88.1	89.7	92.6	93.2	95.8	96.8	96.8	97.7	97.7	97.7
IV 300	57.4	75.8	81.0	83.2	87.4	88.1	89.7	92.6	93.6	96.1	97.1	97.1	98.4	98.4	98.4
IV 200	57.4	75.8	81.0	83.2	87.4	88.1	89.7	92.6	93.6	96.5	97.4	97.4	98.7	98.7	98.7
IV 100	57.4	75.8	81.0	83.2	87.4	88.1	89.7	92.6	93.6	96.8	97.4	97.4	98.7	98.7	98.7
IV 0	57.4	75.8	81.0	83.2	87.4	88.1	89.7	92.6	93.6	96.5	97.4	97.4	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLENSIDE, IL
STATION NAME

73-82
YEARS

MAP
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	36.7	43.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	41.9	47.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IVV 18000	41.9	47.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IVV 16000	41.9	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.4	49.4	49.4	49.4	49.4	49.4
IVV 14000	42.6	48.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IVV 12000	43.6	49.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IVV 10000	45.2	52.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IVV 9000	46.1	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IVV 8000	47.7	56.1	57.4	57.4	57.7	57.7	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IVV 7000	48.7	57.4	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IVV 6000	49.0	57.7	59.0	59.0	59.4	59.4	59.4	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IVV 5000	51.0	60.3	61.6	61.6	61.9	61.9	61.9	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IVV 4500	51.9	61.3	62.6	62.6	62.9	62.9	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IVV 4000	53.2	62.9	64.5	64.5	64.8	65.2	65.2	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IVV 3500	54.8	64.8	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IVV 3000	55.5	67.4	69.0	69.4	70.3	70.7	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IVV 2500	56.9	71.0	72.9	73.6	74.9	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IVV 2000	53.4	74.2	76.8	77.4	78.7	79.0	79.0	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IVV 1800	58.4	74.5	77.1	77.7	79.0	79.4	79.4	79.4	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0
IVV 1500	59.4	76.8	80.3	81.3	82.6	83.6	83.9	83.9	83.9	84.5	84.8	84.8	84.8	84.8	84.8	84.8
IVV 1200	61.0	78.1	81.9	82.9	84.2	85.5	85.8	85.8	85.8	86.5	86.8	86.8	86.8	86.8	86.8	86.8
IVV 1000	60.3	78.4	82.6	83.9	85.5	87.1	88.1	88.1	88.1	89.0	89.4	89.4	89.4	89.4	89.4	89.4
IVV 900	60.3	78.4	82.9	84.2	85.8	87.4	88.4	88.4	88.4	89.7	90.0	90.0	90.0	90.0	90.0	90.0
IVV 800	60.3	78.7	83.6	84.8	86.8	88.4	89.7	90.3	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3
IVV 700	60.3	79.0	83.9	85.2	87.4	89.0	90.3	91.6	91.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6
IVV 600	60.3	79.4	84.2	85.5	87.7	89.4	90.7	92.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2
IVV 500	60.3	79.4	84.5	85.8	88.1	89.7	91.0	92.9	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8
IVV 400	60.3	79.4	84.5	85.8	88.1	89.7	91.0	93.2	93.6	94.8	96.1	96.1	96.1	96.1	96.1	96.1
IVV 300	60.3	79.4	84.5	85.8	88.1	89.7	91.3	94.2	94.5	95.8	97.1	97.1	97.4	97.4	97.4	97.4
IVV 200	60.3	79.4	84.5	85.8	88.4	90.0	91.6	94.5	94.8	96.1	97.4	97.4	97.7	97.7	97.7	97.7
IVV 100	60.3	79.4	84.5	85.8	88.7	90.3	91.9	95.2	95.5	96.8	98.1	98.1	98.7	98.7	98.7	98.7
IVV 0	60.3	79.4	84.5	85.8	88.7	90.3	91.9	95.2	95.5	96.8	98.1	98.1	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855

GLENVIEW, IL

73-82

4A7

STATION

STATION NAME

YEARS

MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.4	39.4	40.9	41.6	41.8	41.9	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.2
IV 20000	35.4	43.8	45.4	46.2	46.6	46.6	46.7	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 18000	35.5	43.8	45.4	46.3	46.7	46.7	46.8	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0
IV 16000	35.5	43.8	45.4	46.3	46.7	46.7	46.8	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0
IV 14000	35.7	44.1	45.7	46.6	47.0	47.0	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000	36.4	45.1	46.7	47.6	48.0	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.4	48.4	48.4
IV 10000	38.4	48.1	49.9	50.8	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6
IV 9000	38.6	48.5	50.3	51.3	51.7	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1
IV 8000	40.4	51.4	53.4	54.4	55.0	55.1	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.5
IV 7000	41.2	52.4	54.4	55.5	56.2	56.3	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7
IV 6000	41.5	53.0	55.1	56.1	56.8	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4
IV 5000	42.3	54.4	56.7	57.8	58.5	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1
IV 4500	42.8	55.2	57.6	58.7	59.5	59.7	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.1	60.1
IV 4000	43.9	56.8	59.4	60.7	61.5	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.3
IV 3500	45.1	58.4	61.2	62.4	63.3	63.6	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1
IV 3000	47.1	61.7	65.0	66.5	67.9	68.2	68.5	68.7	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.0
IV 2500	48.9	65.3	69.0	70.6	72.1	72.5	72.9	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.5
IV 2000	50.3	68.7	72.9	74.8	76.7	77.2	77.7	78.0	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.5
IV 1800	50.7	69.5	73.7	75.7	77.7	78.2	78.8	79.0	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.6
IV 1500	51.3	71.7	76.2	78.4	80.9	81.7	82.5	82.9	82.9	83.2	83.4	83.4	83.5	83.5	83.5	83.6
IV 1200	51.7	72.7	77.4	79.9	82.7	83.6	84.5	84.9	85.0	85.3	85.5	85.5	85.6	85.6	85.6	85.7
IV 1000	51.7	73.4	78.4	81.1	84.4	85.5	86.8	87.2	87.4	88.0	88.3	88.3	88.4	88.4	88.4	88.4
IV 900	51.9	73.6	78.7	81.4	84.9	86.0	87.3	87.8	88.0	88.7	89.0	89.0	89.0	89.0	89.1	89.1
IV 800	51.9	73.9	79.1	81.9	85.6	86.9	88.4	89.2	89.4	90.3	90.7	90.7	90.9	90.9	90.9	90.9
IV 700	51.9	74.2	79.4	82.3	86.1	87.4	89.1	90.1	90.3	91.3	91.7	91.7	92.0	92.0	92.0	92.1
IV 600	51.9	74.3	79.6	82.5	86.5	88.0	90.0	91.2	91.5	92.5	92.9	92.9	93.2	93.2	93.3	93.3
IV 500	51.9	74.4	79.9	82.8	87.0	88.6	90.6	92.0	92.4	93.8	94.5	94.5	94.8	94.8	94.9	95.0
IV 400	51.7	74.4	80.0	82.9	87.2	88.8	91.0	92.5	93.0	94.7	95.5	95.5	96.0	96.1	96.2	96.3
IV 300	51.7	74.4	80.0	82.9	87.3	88.9	91.2	92.9	93.5	95.6	96.5	96.5	97.1	97.2	97.4	97.5
IV 200	51.9	74.4	80.0	82.9	87.4	89.0	91.3	93.0	93.6	95.8	96.8	96.9	97.6	97.8	98.2	98.4
IV 100	51.9	74.4	80.0	82.9	87.4	89.0	91.3	93.1	93.7	96.0	97.0	97.1	97.9	98.2	99.0	99.3
0	51.9	74.4	80.0	82.9	87.4	89.0	91.3	93.1	93.7	96.0	97.0	97.1	97.9	98.2	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1935

GLENNVIEW, IL

75-72

APR

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

70
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	41.7	46.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	43.3	50.3	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	43.3	50.3	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 16000	43.3	50.3	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 14000	43.3	50.3	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 12000	44.7	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000	48.7	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	58.3	58.3
IV 9000	48.7	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	58.3	58.3
IV 8000	52.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 7000	53.3	64.3	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 6000	54.3	65.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	55.7	67.7	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 4500	59.0	69.0	70.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000	59.7	72.0	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500	59.0	74.0	75.3	75.3	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 3000	61.3	77.0	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	62.0	78.0	79.3	79.3	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 2000	63.7	80.3	82.0	82.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1800	63.7	81.0	82.7	83.0	83.7	83.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	65.3	84.3	86.7	87.0	87.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	65.3	84.7	87.0	88.3	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1000	65.0	86.7	89.7	90.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	66.0	86.7	89.7	91.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	66.0	87.3	90.3	91.7	92.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 700	66.0	88.0	91.3	92.7	93.7	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	66.0	89.0	92.7	94.3	95.3	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	66.0	89.0	92.7	94.7	95.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	66.0	89.0	93.3	95.3	96.7	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	66.0	89.0	93.3	95.7	97.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	66.0	89.0	93.3	95.7	97.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
IV 100	66.0	89.0	93.3	95.7	97.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.7
IV 0	66.0	89.0	93.3	95.7	97.0	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14 88
STATION

BLUMFIELD, IL
STATION NAME

73-82
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L E 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	39.7	46.7	47.3	47.3	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	41.0	46.7	50.3	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
18000	41.0	48.7	50.3	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
14000	41.0	48.7	50.3	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
14000	41.0	48.7	50.3	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
12000	41.0	49.3	51.0	51.3	51.3	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
10000	44.7	54.3	56.0	56.3	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
9000	45.0	55.0	56.7	57.0	57.0	57.0	57.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
8000	49.7	60.3	62.3	63.0	63.3	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
7000	49.7	61.3	63.3	64.0	64.3	64.3	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
6000	50.7	62.0	64.3	65.0	65.3	65.3	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
5000	51.0	64.7	67.3	68.0	68.3	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
4500	52.0	66.7	69.7	70.3	70.7	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
4000	53.0	68.0	72.0	72.7	73.3	73.3	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
3500	54.0	70.3	74.3	75.0	75.7	75.7	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
3000	54.3	72.0	76.0	77.0	78.7	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2500	55.0	73.3	77.3	78.3	80.0	80.0	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
2000	57.0	76.7	80.7	81.7	83.3	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
1800	57.3	77.3	81.3	82.3	84.0	84.0	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1500	58.3	80.7	85.3	86.3	88.0	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1200	58.3	82.0	86.7	87.7	89.3	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1000	58.7	82.7	87.3	89.0	91.0	91.0	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
900	58.7	83.0	87.7	89.3	91.7	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
800	58.7	84.3	89.0	90.7	93.0	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
700	59.0	85.3	90.0	91.7	94.0	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
600	59.0	85.3	91.0	92.7	95.0	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
500	59.0	85.3	91.3	93.0	95.7	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
400	59.0	85.3	91.3	93.0	95.7	96.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
300	59.0	85.3	91.3	93.3	96.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200	59.0	85.3	91.3	93.3	96.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
100	59.0	85.3	91.3	93.3	96.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0	59.0	85.3	91.3	93.3	96.0	96.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 700

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1955
STATION

OLENSIEN, IL
STATION NAME

77-87
YEARS

APL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

66
HOURS U.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	34.7	40.3	45.3	48.0	48.7	44.0	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 20000	35.7	44.3	45.7	47.7	48.3	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 18000	36.7	44.7	47.0	48.0	48.7	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 16000	35.3	44.7	47.0	48.0	48.7	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 14000	36.3	45.3	47.3	48.3	49.3	49.3	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	37.0	45.7	48.0	49.0	49.7	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 10000	40.7	50.0	52.7	54.0	54.7	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 9000	40.7	50.0	52.7	54.0	54.7	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 8000	44.7	55.7	58.3	60.0	60.7	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 7000	46.3	58.3	61.3	63.0	64.0	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 6000	47.3	59.7	62.7	64.3	65.3	65.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 5000	48.7	61.0	64.0	66.0	67.0	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	49.0	61.7	65.3	67.3	68.3	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	50.0	63.0	67.0	69.3	70.7	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	50.7	64.0	68.0	70.7	72.0	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	50.7	64.7	69.0	71.7	73.7	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	52.0	66.7	72.0	75.3	77.7	78.0	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2000	52.7	68.3	73.7	77.0	79.3	79.7	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1800	52.7	68.3	73.7	77.3	79.7	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1500	54.7	72.0	77.7	81.3	83.7	84.3	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1200	55.7	73.3	79.3	83.7	86.0	86.7	87.7	89.0	89.3	89.7	89.7	89.7	89.7	89.7	89.7
IV 1000	55.3	74.0	80.0	84.7	87.0	87.7	88.7	90.3	90.7	91.3	91.3	91.3	91.3	91.7	91.7
IV 900	55.3	75.0	81.0	85.7	88.3	89.0	90.0	91.7	92.0	93.0	93.0	93.0	93.3	93.3	93.3
IV 800	55.3	75.3	81.7	86.3	90.0	90.7	91.7	93.3	93.7	95.0	95.0	95.0	95.3	95.3	95.3
IV 700	55.3	75.3	81.7	86.3	90.3	91.0	92.0	93.7	94.0	95.3	95.7	95.7	96.0	96.0	96.0
IV 600	55.3	75.3	81.7	86.3	90.3	91.0	92.0	93.7	94.0	95.3	95.7	95.7	96.0	96.0	96.0
IV 500	55.3	75.3	82.3	87.0	91.0	91.7	92.7	94.3	94.7	96.0	96.3	96.3	97.0	97.0	97.0
IV 400	55.3	75.3	82.3	87.0	91.0	91.7	92.7	94.3	94.7	96.0	96.3	96.3	97.0	97.0	97.0
IV 300	55.3	75.3	82.3	87.3	91.3	92.0	93.0	95.0	95.3	96.7	97.0	97.0	98.0	98.0	98.3
IV 200	55.3	75.3	82.3	87.3	91.3	92.0	93.0	95.0	95.3	96.7	97.0	97.0	98.0	98.0	98.3
IV 100	55.3	75.3	82.3	87.3	91.3	92.0	93.0	95.0	95.3	96.7	97.0	97.0	98.0	98.0	98.7
IV 0	55.3	75.3	82.3	87.3	91.3	92.0	93.0	95.0	95.3	96.7	97.0	97.0	98.0	98.0	99.0

TOTAL NUMBER OF OBSERVATIONS 330

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14 1952
STATION

FLEWATER, IL
STATION NAME

73-42
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

69
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	41.7	42.7	43.7	44.0	44.7	44.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 20000	41.7	40.0	53.0	51.3	51.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 18000	41.7	49.0	50.0	50.3	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 16000	41.7	49.7	50.0	50.3	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 14000	41.7	49.0	51.3	51.7	51.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000	42.0	50.0	51.0	51.3	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	44.3	53.0	54.7	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 9000	45.3	53.7	55.3	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 8000	47.7	57.3	59.0	59.3	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 7000	47.7	59.3	61.3	61.7	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000	48.7	60.3	62.0	62.3	64.0	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 5000	48.7	61.3	64.0	64.3	66.0	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4500	48.7	62.0	64.7	65.0	67.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 4000	49.0	62.3	65.7	66.0	68.3	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 3500	51.0	63.3	67.0	67.7	70.0	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	51.0	66.0	70.0	71.7	73.0	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	52.0	67.7	73.0	73.0	75.3	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000	55.7	72.0	76.7	77.7	80.0	81.0	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1800	56.0	72.0	77.3	78.3	80.7	81.7	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1500	57.3	76.0	81.0	82.3	84.7	85.7	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	57.7	77.0	82.3	83.7	86.0	87.7	88.3	88.3	88.3	88.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	58.0	78.0	84.0	85.3	88.0	89.7	91.0	91.0	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 900	58.0	78.3	84.7	86.0	88.7	90.3	91.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	58.0	78.3	85.0	86.7	89.3	91.0	92.3	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700	58.0	78.7	86.0	87.7	90.3	92.0	94.0	94.3	94.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7
IV 600	58.0	79.0	86.3	88.0	91.0	92.7	94.7	95.7	95.7	96.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 500	58.0	79.0	86.3	88.0	91.0	92.7	95.3	96.3	96.3	96.7	98.3	99.0	99.0	99.3	99.3	99.3
IV 400	58.0	79.0	86.3	88.0	91.0	92.7	95.3	96.3	96.3	96.7	98.3	99.0	99.0	99.3	99.3	99.3
IV 300	58.0	79.0	86.3	88.0	91.0	92.7	95.3	96.3	96.7	98.3	99.0	99.0	99.0	99.3	99.3	99.3
IV 200	58.0	79.0	86.3	88.0	91.0	93.0	95.7	96.7	97.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0
IV 100	58.0	79.0	86.3	88.0	91.0	93.0	95.7	96.7	97.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0
IV 0	58.0	79.0	86.3	88.0	91.0	93.0	95.7	96.7	97.0	99.0	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 700

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-1956
STATION

FIELD # 10, IL
STATION NAME

71-10
YEARS

10
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
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	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	41.7	46.3	47.3	48.3	48.7	48.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	41.7	46.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	41.7	46.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	41.7	46.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	41.7	47.7	48.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	42.7	49.7	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 9000	42.7	49.7	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 8000	45.7	54.3	56.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	45.7	54.7	56.3	57.3	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 6000	47.7	55.7	57.7	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 5000	47.7	57.7	59.7	61.3	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 4500	49.7	59.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4000	49.7	61.7	63.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500	52.7	64.7	67.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 3000	55.7	67.7	70.7	72.7	72.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500	57.7	72.7	74.7	76.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	57.7	74.7	77.7	80.7	81.7	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1800	59.7	76.7	79.7	82.7	83.7	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1500	59.7	79.7	82.7	85.7	86.7	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	61.7	81.7	83.7	87.7	88.7	89.7	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	62.7	83.7	84.7	86.7	87.7	88.7	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	62.7	85.7	86.7	88.7	89.7	90.3	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	62.7	85.7	86.7	88.7	89.7	91.7	94.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	62.7	85.7	86.7	89.7	91.7	94.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 600	62.7	85.7	86.7	90.3	92.7	95.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	62.7	85.7	86.7	90.7	93.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	62.7	85.7	86.7	91.7	93.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	62.7	85.7	86.7	91.7	93.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	62.7	85.7	86.7	91.7	93.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	62.7	85.7	86.7	91.7	93.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	62.7	85.7	86.7	91.7	93.3	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 390

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-02

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L & S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	41.7	41.7	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
≥ 20000	40.0	48.3	48.3	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 18000	41.0	48.7	48.7	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
IV 16000	41.0	49.0	49.0	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	41.0	49.7	49.7	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 12000	41.0	50.0	50.0	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
IV 10000	43.0	53.3	53.3	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 9000	44.0	53.7	54.3	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 8000	44.0	57.7	58.7	59.3	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	47.0	56.7	59.7	60.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 6000	47.0	59.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 5000	47.0	61.7	62.7	63.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500	47.0	63.3	64.7	65.7	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4000	47.0	65.0	65.3	67.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 3500	47.0	67.7	69.3	70.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	47.0	71.7	74.0	75.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2500	47.0	74.7	77.0	78.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2000	47.0	78.3	80.7	82.0	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800	47.0	78.7	81.7	83.0	84.7	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1500	47.0	81.3	83.7	85.3	87.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	47.0	81.0	84.7	86.7	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1000	47.0	82.3	86.3	88.3	91.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	47.0	82.3	86.7	88.7	91.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	47.0	82.3	86.7	89.3	92.3	94.0	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	47.0	83.3	87.3	90.3	93.7	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	47.0	83.3	87.7	90.7	94.0	95.7	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	47.0	83.3	87.7	90.7	94.0	95.7	96.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	47.0	83.3	87.7	90.7	94.3	96.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 300	47.0	83.3	87.7	90.7	94.3	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	47.0	83.3	87.7	90.7	94.3	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	47.0	83.3	87.7	90.7	94.3	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	47.0	83.3	87.7	90.7	94.3	96.0	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

GLENNVIEW, IL

STATION NAME

73-32

YEARS

AP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS IN DAY

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	41.0	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	41.7
IV 20000	43.0	45.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	43.0	45.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	43.0	45.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	43.0	45.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	44.0	50.0	50.3	51.0	51.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 10000	45.0	51.7	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000	46.0	52.7	53.0	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
IV 8000	49.0	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	60.7
IV 7000	49.0	59.7	60.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000	50.0	60.3	61.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 5000	52.7	63.3	65.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4500	54.0	65.0	66.7	68.7	69.3	69.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 4000	55.7	66.7	68.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	58.0	69.3	71.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	61.0	74.0	76.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 2500	64.0	76.0	80.7	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	64.7	79.0	82.0	84.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800	64.7	79.0	82.0	84.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1500	65.0	80.3	83.3	85.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1200	65.7	81.7	85.3	87.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	65.7	83.0	86.7	89.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	65.7	83.0	86.7	89.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	65.7	83.3	87.0	90.0	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	65.7	84.7	88.3	91.3	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	65.7	84.7	88.3	91.7	95.7	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	65.7	84.7	88.7	92.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	65.7	84.7	88.7	92.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	65.7	84.7	88.7	92.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	65.7	84.7	88.7	92.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	65.7	84.7	88.7	92.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	65.7	84.7	88.7	92.0	96.3	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 306

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1955
STATION

CLONVIEW, IL
STATION NAME

73-82
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (C.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	44.7	50.0	51.7	52.7	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 20000	47.7	54.0	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
IV 18000	47.7	54.0	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
IV 16000	47.7	54.0	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
IV 14000	46.0	54.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 12000	46.0	55.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 10000	46.0	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 9000	46.0	59.0	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 8000	44.7	64.0	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 7000	45.0	66.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	56.3	67.3	68.7	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000	57.3	69.3	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500	59.0	71.3	72.7	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 4000	61.3	75.3	77.0	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3500	61.7	76.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	63.7	79.0	81.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	65.3	81.7	84.0	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
IV 2000	66.7	83.0	85.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800	68.0	83.0	86.0	87.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500	66.3	84.7	87.7	88.7	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 1200	66.7	85.3	88.7	90.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	66.7	86.7	89.7	91.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	66.7	86.0	89.7	91.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	66.7	86.7	90.3	92.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 700	66.7	87.7	91.3	93.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 600	66.7	87.7	92.0	93.7	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 500	66.7	88.0	92.3	94.0	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	66.7	88.3	93.0	95.0	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	66.7	88.3	93.0	95.0	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	66.7	88.3	93.0	95.0	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	66.7	88.3	93.0	95.0	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	66.7	88.3	93.0	95.0	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14-34
STATION

ASHEVILLE, IL
STATION NAME

73-77
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.0	43.3	44.2	44.5	44.6	44.7	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 20000	41.7	48.7	47.7	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 18000	41.8	48.8	49.8	50.3	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000	41.9	48.9	49.9	50.3	50.6	50.6	50.7	50.8	50.9	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 14000	42.7	49.1	50.1	50.6	50.8	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 12000	42.5	49.9	50.9	51.4	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 10000	45.0	53.4	54.6	55.1	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 9000	42.7	53.3	55.0	55.6	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000	48.4	58.9	60.4	61.1	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 7000	49.4	60.3	61.9	62.7	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 6000	50.7	61.2	63.0	63.8	64.5	64.5	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 5000	51.3	63.3	65.3	66.3	67.1	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500	52.2	64.4	67.0	68.0	68.8	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 4000	53.6	66.7	69.2	70.3	71.2	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500	54.9	68.8	71.3	72.5	73.4	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3000	57.2	71.5	74.4	75.7	77.0	77.2	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 2500	58.6	74.0	77.1	78.6	80.0	80.3	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2000	59.2	76.5	79.9	81.5	83.1	83.5	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	59.5	77.0	80.5	82.1	83.7	84.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1500	61.4	79.7	83.5	85.3	87.0	87.4	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 1200	61.7	80.7	84.8	86.9	88.7	89.3	89.8	90.0	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3
IV 1000	62.0	81.7	86.0	88.4	90.4	91.2	91.8	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV 900	62.0	81.9	86.3	88.8	91.0	91.8	92.5	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 800	62.0	82.4	87.0	89.5	92.0	93.0	93.7	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	62.1	83.0	87.7	90.3	92.9	93.9	94.8	95.2	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	62.2	83.3	88.3	91.0	93.7	94.7	95.6	96.3	96.3	96.7	96.9	96.9	97.0	97.0	97.0	97.0
IV 500	62.2	83.3	88.5	91.3	94.2	95.1	96.3	97.0	97.1	97.6	97.8	97.8	98.0	98.0	98.0	98.0
IV 400	62.2	83.4	88.7	91.5	94.5	95.5	96.8	97.5	97.5	98.0	98.3	98.3	98.5	98.5	98.5	98.5
IV 300	62.2	83.4	88.7	91.6	94.6	95.6	96.9	97.7	97.8	98.3	98.6	98.6	98.8	98.8	98.9	99.1
IV 200	62.2	83.4	88.7	91.6	94.6	95.7	96.9	97.7	97.8	98.4	98.7	98.8	99.0	99.1	99.4	99.5
IV 100	62.2	83.4	88.7	91.6	94.6	95.7	96.9	97.7	97.8	98.4	98.7	98.8	99.0	99.2	99.3	99.5
IV 0	62.2	83.4	88.7	91.6	94.6	95.7	96.9	97.7	97.8	98.4	98.7	98.8	99.0	99.2	99.3	99.6

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14855
STATION

GLE VIEW, IL
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00
HOURS (L & 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	42.7	54.8	56.1	56.1	56.8	56.8	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	43.7	57.1	58.7	58.7	59.4	59.4	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IVIV 18000	44.2	57.4	59.0	59.0	59.7	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IVIV 16000	44.2	57.4	59.0	59.0	59.7	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IVIV 14000	44.2	57.4	59.4	59.4	60.0	60.0	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IVIV 12000	44.2	58.4	60.0	60.3	61.0	61.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IVIV 10000	49.4	63.2	65.5	66.5	67.1	67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IVIV 9000	50.7	64.5	66.8	67.7	68.4	68.4	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IVIV 8000	54.5	69.7	72.6	73.6	74.2	74.2	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IVIV 7000	56.1	72.6	75.5	76.5	77.1	77.1	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IVIV 6000	57.1	73.6	76.5	77.4	78.1	78.1	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IVIV 5000	57.4	74.5	77.4	78.4	79.0	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IVIV 4500	57.4	74.5	77.4	78.4	79.0	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IVIV 4000	59.0	76.8	79.7	80.7	81.6	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IVIV 3500	59.7	78.7	81.6	82.6	83.6	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IVIV 3000	59.7	79.0	82.3	83.2	84.2	84.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IVIV 2500	60.0	79.7	82.9	83.9	84.8	84.8	85.8	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IVIV 2000	60.3	80.7	84.2	85.2	86.5	86.5	87.4	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IVIV 1800	60.3	81.3	84.8	85.8	86.8	86.8	87.7	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IVIV 1500	60.7	81.6	85.2	86.5	87.7	87.7	88.7	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVIV 1200	60.7	81.9	85.5	87.1	88.4	88.4	89.4	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IVIV 1000	61.0	82.6	86.1	87.7	89.0	89.0	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IVIV 900	61.0	82.6	86.1	87.7	89.0	89.0	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IVIV 800	61.0	82.6	86.1	87.7	89.0	89.0	90.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IVIV 700	61.0	83.2	87.1	88.7	90.0	90.0	91.0	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IVIV 600	61.0	83.6	87.4	89.4	90.7	91.0	92.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IVIV 500	61.0	83.9	88.4	90.7	91.9	92.3	93.6	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVIV 400	61.0	83.9	88.4	90.7	92.3	92.6	93.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVIV 300	61.0	84.2	88.7	91.0	92.6	92.9	94.5	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IVIV 200	61.0	84.2	88.7	91.0	92.6	93.2	94.8	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVIV 100	61.0	84.2	88.7	91.0	92.6	93.2	94.8	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IVIV 0	61.0	84.2	88.7	91.0	92.6	93.2	94.8	95.8	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14955
STATION

GLENNVIEW, IL
STATION NAME

73-82
YEARS

MAY
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	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.7	48.4	50.7	52.6	52.9	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	39.4	52.6	54.8	55.8	57.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IVIV 18000	39.4	52.6	54.8	56.8	57.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IVIV 14000	39.7	52.9	55.2	57.1	57.4	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IVIV 12000	40.3	53.6	55.8	57.7	58.1	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IVIV 10000	43.2	57.4	60.0	61.9	62.3	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IVIV 9000	43.7	57.4	61.0	62.9	63.2	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IVIV 8000	44.4	64.2	67.1	69.0	69.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IVIV 7000	50.3	64.5	69.4	71.3	71.9	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IVIV 6000	51.7	68.1	71.3	73.2	73.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IVIV 5000	52.6	71.0	74.2	76.5	77.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IVIV 4500	52.9	71.9	75.5	77.7	78.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IVIV 4000	52.9	72.6	76.1	78.7	79.4	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IVIV 3500	53.6	74.5	74.4	81.0	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IVIV 3000	54.2	76.1	80.3	82.9	84.2	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IVIV 2500	54.5	76.8	81.0	83.6	85.5	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IVIV 2000	54.5	76.8	81.6	84.5	86.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVIV 1800	54.7	77.1	81.9	84.8	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IVIV 1500	54.3	77.4	82.3	85.2	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IVIV 1200	55.2	78.4	83.2	86.1	89.0	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVIV 1000	55.5	78.7	84.2	87.4	90.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVIV 900	55.5	78.7	84.2	87.4	90.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IVIV 800	55.5	79.4	85.2	88.4	91.3	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVIV 700	55.5	79.4	85.2	88.4	91.3	92.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IVIV 600	55.5	79.4	85.2	88.4	91.6	92.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IVIV 500	55.5	79.4	85.2	88.7	91.9	93.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IVIV 400	55.5	79.4	85.2	88.7	92.6	93.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IVIV 300	55.5	79.4	85.2	88.7	92.6	93.9	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVIV 200	55.5	79.4	85.2	88.7	92.6	93.9	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IVIV 100	55.5	79.4	85.2	88.7	92.6	93.9	95.5	95.5	95.5	96.5	97.4	97.4	97.4	97.4	97.4	97.4
IVIV 0	55.5	79.4	85.2	88.7	92.6	93.9	95.5	95.5	95.5	96.5	97.4	97.4	98.1	98.1	98.4	99.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14995

GLENSIDE, IL

73-92

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

76
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.5	45.8	49.4	52.3	52.3	54.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	36.5	48.4	52.6	55.8	55.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
IVIV 18000	36.5	48.4	52.6	55.8	55.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
IVIV 14000	36.5	48.4	52.6	55.8	55.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
IVIV 10000	36.5	48.4	52.6	55.8	55.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
IVIV 9000	36.5	48.4	52.6	55.8	55.8	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.4
IVIV 8000	44.7	58.7	63.6	66.8	67.1	68.1	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7
IVIV 7000	44.7	58.7	63.6	66.8	67.1	68.1	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.7
IVIV 6000	45.0	61.0	66.5	70.0	71.8	71.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8
IVIV 5000	45.0	61.0	66.5	70.0	71.8	71.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.8
IVIV 4000	46.0	63.2	67.7	72.6	73.9	73.9	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.1	76.8
IVIV 3500	47.1	64.5	70.0	73.9	75.2	76.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.7
IVIV 3000	47.1	64.5	70.0	73.9	75.2	76.1	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.7
IVIV 2500	47.7	68.1	73.9	78.7	80.0	81.0	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	84.5
IVIV 2000	47.7	68.1	73.9	78.7	80.0	81.0	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.9	84.5
IVIV 1800	49.7	69.7	75.8	80.3	81.6	82.6	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	86.8
IVIV 1500	49.7	69.7	75.8	80.3	81.6	82.6	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	86.8
IVIV 1200	49.7	70.7	76.8	81.6	83.6	84.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	88.4
IVIV 1000	49.7	70.7	76.8	81.6	83.6	84.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	88.4
IVIV 900	49.7	71.6	77.7	82.6	84.8	85.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.4
IVIV 800	49.7	71.6	77.7	82.6	84.8	85.8	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.0	89.4
IVIV 700	49.7	71.9	78.7	83.9	85.8	87.1	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.7	90.7
IVIV 600	49.7	71.9	78.7	83.9	85.8	87.1	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.7	90.7
IVIV 500	50.0	72.9	80.0	85.2	87.7	89.4	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.6
IVIV 400	50.0	72.9	80.0	85.2	87.7	89.4	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.6
IVIV 300	50.0	72.9	80.0	85.2	87.7	89.4	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.6
IVIV 200	50.0	72.9	80.0	85.2	87.7	89.4	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.6
IVIV 100	50.0	72.9	80.0	85.2	87.7	89.4	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.6
IVIV 0	50.0	72.9	80.0	85.2	87.7	89.4	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.6

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14 1957
STATION

GLC VIEW, IL
STATION NAME

75-82
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

79
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	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	35.0	46.5	49.7	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
IV 20000	40.0	51.5	54.8	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 18000	40.0	51.5	54.8	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 16000	40.0	51.5	54.8	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 14000	40.0	51.5	54.8	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 12000	40.0	51.5	54.8	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	42.0	56.1	60.0	60.7	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 9000	43.0	56.5	60.3	61.0	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	46.0	59.4	63.9	64.8	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 7000	47.1	60.7	65.2	66.5	67.4	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000	47.1	61.3	65.8	67.1	68.4	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 5000	47.1	62.3	67.1	68.4	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	47.4	62.6	67.4	68.7	70.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	49.4	65.2	70.0	71.3	72.6	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3500	50.0	67.1	71.5	73.9	75.2	75.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000	50.0	69.4	74.5	76.5	78.1	78.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	54.0	72.9	78.1	80.0	81.9	82.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	55.0	73.9	79.0	81.0	83.2	83.9	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1800	55.0	74.0	79.4	81.3	83.6	84.2	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1500	55.0	75.5	80.7	82.6	84.8	85.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1200	55.0	76.5	81.9	84.2	86.8	87.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1000	55.0	77.7	83.2	85.5	88.4	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	56.0	78.1	83.6	85.8	89.0	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 800	56.0	78.1	83.9	86.1	89.3	91.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 700	56.0	78.4	84.7	86.5	91.0	92.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 600	56.0	78.4	84.2	86.5	91.0	93.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	56.0	78.4	84.5	86.8	91.3	93.9	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	56.0	78.4	84.5	86.8	91.6	94.2	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300	56.0	78.4	84.5	86.8	91.6	94.2	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 200	56.0	78.4	84.5	86.8	91.6	94.2	95.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 100	56.0	78.4	84.5	86.8	91.6	94.2	95.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	56.0	78.4	84.5	86.8	91.6	94.2	95.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14557
STATION

WLEWIKW, IL
STATION NAME

73-90
YEARS

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0	
NO CEILING	34.7	43.6	44.8	45.5	45.1	46.1	46.1	46.1	45.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 20000	38.7	50.7	51.9	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	38.7	50.7	51.9	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	38.7	50.7	51.9	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	38.7	50.7	51.9	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	38.7	50.7	51.9	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	44.8	58.7	61.9	61.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 9000	44.8	58.7	61.9	61.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 8000	46.1	62.6	64.8	65.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	46.1	62.6	65.5	66.5	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	48.4	62.9	65.8	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
≥ 5000	48.4	64.5	67.4	68.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	50.7	66.5	69.4	70.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	52.6	69.0	72.3	73.6	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	55.2	73.9	77.1	78.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	57.1	77.7	81.3	82.9	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	58.7	79.4	82.9	84.5	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	58.7	80.7	83.9	85.8	87.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	59.4	81.3	84.8	86.8	88.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	59.4	81.6	85.8	88.1	90.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	59.4	82.6	86.8	89.0	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	60.0	82.9	87.4	90.0	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	60.0	83.2	87.7	90.3	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	60.0	83.6	88.1	90.7	93.6	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	60.0	83.9	88.4	91.0	93.9	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	60.0	83.9	88.4	91.0	94.2	95.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	60.0	83.9	88.7	91.3	94.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	60.0	83.9	88.7	91.3	94.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	60.0	83.9	88.7	91.6	94.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	60.0	83.9	88.7	91.6	94.8	97.4	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	60.0	83.9	88.7	91.6	94.8	97.4	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	60.0	83.9	88.7	91.6	94.8	97.4	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 116

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14056
STATION

OLDFIELD, IL
STATION NAME

73-82
YEARS

424
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.5	42.5	43.9	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	41.7	50.7	51.6	51.6	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	41.7	50.7	51.9	51.9	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000	41.7	50.7	51.9	51.9	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000	41.7	50.7	52.3	52.3	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 12000	43.2	52.6	54.8	54.8	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	47.1	57.7	60.0	60.0	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 9000	47.1	56.1	60.3	60.3	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 8000	48.3	65.2	68.1	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
IV 7000	48.3	65.2	68.1	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
IV 6000	48.3	65.8	69.7	69.7	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	48.3	66.8	71.0	71.0	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	48.3	67.7	71.0	71.0	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	48.3	70.3	73.9	73.9	74.5	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3500	48.3	74.5	73.7	73.7	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3000	48.3	81.0	85.3	85.3	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	48.3	81.0	87.1	87.1	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 2000	48.3	81.9	87.4	87.4	88.4	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1800	48.3	82.3	87.7	87.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 1500	48.3	83.6	89.7	89.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	48.3	84.5	90.3	90.3	92.6	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1000	48.3	85.2	91.1	91.0	93.2	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 800	48.3	85.8	91.6	92.3	94.5	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800	48.3	85.8	91.9	92.6	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	48.3	86.1	92.3	92.9	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	48.3	86.1	92.6	93.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 500	48.3	86.1	92.6	93.2	96.1	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	48.3	86.1	92.6	93.2	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	48.3	86.1	92.6	93.2	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	48.3	86.1	92.6	93.2	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	48.3	86.1	92.6	93.2	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	48.3	86.1	92.6	93.2	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14355
STATION

OLEWIEV, IL
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.4	44.3	43.2	42.5	42.0	41.5	41.0	40.5	40.0	39.5	39.0	38.5	38.0	37.5	37.0	36.5
IV 20000	43.9	51.3	51.6	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 18000	44.2	51.6	51.9	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 16000	44.3	51.6	51.9	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 14000	44.5	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 12000	45.3	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 10000	46.1	56.1	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
IV 9000	46.4	56.7	57.0	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 8000	54.9	65.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 7000	55.3	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	68.1	68.1
IV 6000	57.1	69.7	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	71.0
IV 5000	51.7	73.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	63.6	76.5	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4000	64.8	79.0	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	80.7
IV 3500	65.8	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	82.6
IV 3000	69.1	83.9	85.2	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 2500	69.1	83.9	85.2	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 2000	69.4	84.2	86.5	87.4	88.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	69.4	84.2	86.5	87.4	88.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1500	68.6	84.5	86.8	87.7	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	69.4	85.2	87.4	88.4	89.7	90.3	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	69.7	85.5	87.7	88.7	89.4	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 900	69.7	85.5	87.7	88.7	89.4	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 800	69.7	85.5	87.7	88.7	89.4	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 700	69.7	85.5	87.7	88.7	89.4	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 600	69.7	85.5	87.7	88.7	89.4	90.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 500	63.7	86.5	89.0	90.0	91.3	93.6	94.5	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 400	66.7	86.5	89.0	90.0	91.6	93.9	94.8	95.2	95.5	95.8	96.8	97.7	97.7	98.1	98.4	98.4
IV 300	66.7	86.5	89.0	90.0	91.9	94.2	95.2	95.5	95.8	96.8	98.1	98.1	98.7	99.4	99.7	99.7
IV 200	66.7	86.5	89.0	90.0	91.9	94.2	95.2	95.5	95.8	96.8	98.1	98.1	98.7	99.4	99.7	99.7
IV 100	66.7	86.5	89.0	90.0	91.9	94.2	95.2	95.5	95.8	96.8	98.1	98.1	98.7	99.4	100.0	100.0
IV 0	66.7	86.5	89.0	90.0	91.9	94.2	95.2	95.5	95.8	96.8	98.1	98.1	98.7	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1955
STATION

700 724, 71

STATION NAME

73-92

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

71
HOURS (L & 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	51.6	52.9	52.9	51.6	53.0	53.6	53.6	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.6
IV 20000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 18000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 16000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 9000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 8000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 7000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 6000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2500	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 2000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1800	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1500	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1200	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 1000	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 900	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 800	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 700	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 600	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 500	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 400	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 300	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 200	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 100	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 0	47.4	55.5	56.8	57.1	57.7	57.7	57.7	57.7	57.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-1

YEARS

MAY

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

461
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	¾	≥ 0
NO CEILING	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 20000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 18000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 16000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 14000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 12000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 10000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 9000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 7000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 6000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 5000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 4500	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 4000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 3500	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 3000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 2500	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 2000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 1800	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 1500	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 1200	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 1000	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 900	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 800	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 700	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 600	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 500	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 400	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 300	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 200	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 100	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 0	47.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1

TOTAL NUMBER OF OBSERVATIONS

461

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 73-74 MONTH: JUL
STATION STATION NAME YEARS MONTH
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS: 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	97.7	93.7	87.7	84.3	80.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 20000	1.7	60.3	62.7	64.3	65.7	65.3	65.7	65.3	65.7	66.7	66.3	66.7	66.3	66.7	66.7	66.7
IV 18000	1.7	60.7	63.7	64.7	65.3	65.7	65.7	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	1.7	61.7	63.7	64.7	65.3	65.7	65.7	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	1.7	60.7	63.7	64.7	65.3	65.7	65.7	65.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	2.7	62.3	64.7	66.3	67.7	67.3	67.3	67.3	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	7.7	68.7	71.3	73.0	73.7	74.0	74.0	74.0	74.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3
IV 9000	7.7	69.3	71.7	73.7	74.0	74.3	74.3	74.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 8000	1.7	73.0	75.7	77.3	78.7	79.0	79.0	79.3	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 7000	2.7	75.7	78.3	80.0	81.3	81.7	81.7	82.0	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 6000	2.7	75.3	78.7	81.3	81.7	82.0	82.0	82.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	9.7	79.3	82.3	84.7	85.3	85.7	85.7	86.0	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 4500	5.7	81.7	83.7	85.3	85.7	87.0	87.0	87.3	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 4000	6.7	82.3	85.7	87.7	89.0	89.7	89.7	90.0	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3500	7.7	83.0	86.3	88.3	89.7	90.3	90.3	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 3000	8.7	84.3	88.0	90.0	91.7	92.3	92.3	92.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	5.7	84.3	88.0	90.0	91.7	92.3	92.3	92.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2000	11.3	85.7	89.3	91.3	93.0	93.7	93.7	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	12.3	85.7	89.3	91.3	93.0	93.7	93.7	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	15.3	86.7	91.7	92.7	94.3	95.0	95.0	95.3	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	16.7	87.3	91.3	93.0	94.7	95.3	95.7	96.0	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000	17.7	87.7	91.0	93.0	95.0	95.7	96.3	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	18.7	87.0	91.0	93.0	95.0	95.7	96.3	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	19.3	87.0	91.0	93.0	95.0	95.7	96.3	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	19.7	87.0	91.3	93.3	95.7	96.3	96.7	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	20.7	87.0	91.3	93.3	95.7	96.3	96.7	97.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	20.7	87.0	91.3	93.3	95.7	96.3	96.7	97.0	97.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	20.7	87.0	91.7	93.7	96.3	97.0	97.3	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	20.7	87.0	91.7	93.7	96.3	97.0	97.3	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	20.7	87.0	91.7	93.7	96.3	97.0	97.3	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	20.7	87.0	91.7	93.7	96.3	97.0	97.3	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	20.7	87.0	91.7	93.7	96.3	97.0	97.3	97.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1485
STATION

GLENVIEW, IL
STATION NAME

77-02
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.7	53.0	54.0	55.7	56.3	57.3	57.7	57.7	57.7	58.3	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	46.7	56.0	57.3	59.0	59.7	60.7	61.3	61.3	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3
18000	46.7	56.0	57.3	59.0	59.7	60.7	61.3	61.3	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3
16000	46.7	56.0	57.3	59.0	59.7	60.7	61.3	61.3	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3
14000	46.7	56.3	57.7	59.3	60.0	61.0	61.7	61.7	61.7	62.3	62.7	62.7	62.7	62.7	62.7	62.7
12000	46.7	57.7	59.3	61.0	61.7	62.7	63.3	63.3	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.3
10000	46.7	63.3	65.0	66.7	67.3	68.3	69.0	69.0	69.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7
9000	46.7	64.0	65.7	67.3	68.0	69.0	69.7	69.7	69.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3
8000	46.7	69.7	72.0	73.7	74.7	75.7	76.3	76.3	76.3	77.7	78.0	78.0	78.0	78.0	78.0	78.0
7000	46.7	69.7	72.3	74.3	75.7	76.3	77.0	77.0	77.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7
6000	46.7	71.3	74.3	76.3	77.3	78.3	79.0	79.0	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7
5000	46.7	74.0	77.3	79.3	80.3	81.3	82.0	82.0	82.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7
4500	46.7	74.7	78.0	80.0	81.0	82.0	82.7	82.7	82.7	84.0	84.3	84.3	84.3	84.3	84.3	84.3
4000	46.7	75.7	79.0	81.3	82.3	83.3	84.0	84.0	84.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7
3500	46.7	78.0	81.7	84.0	85.0	86.0	86.7	86.7	86.7	88.0	88.3	88.3	88.3	88.3	88.3	88.3
3000	46.7	80.0	84.0	86.3	87.7	89.0	90.0	90.0	90.0	91.3	91.7	91.7	91.7	91.7	91.7	91.7
2500	46.7	80.7	85.0	87.3	88.7	90.0	91.0	91.0	91.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7
2000	46.7	81.0	85.7	88.3	89.7	91.0	92.0	92.0	92.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0
1800	46.7	81.0	85.7	88.3	89.7	91.0	92.0	92.0	92.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0
1500	46.7	82.0	87.7	89.7	91.0	92.3	93.3	93.3	93.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3
1200	46.7	82.3	87.3	89.7	92.0	93.3	94.3	94.3	94.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3
1000	46.7	82.3	87.3	91.0	92.3	93.7	94.7	94.7	94.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7
900	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
800	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
700	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
600	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
500	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
400	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
300	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
200	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
100	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0
0	46.7	82.3	87.3	91.0	92.3	94.0	95.0	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14-55
STATION

WELLSVILLE, IL
STATION NAME

77-90
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

76
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	57.7	47.3	57.7	52.7	53.7	54.3	55.0	55.3	55.3	56.0	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	59.7	51.7	55.7	57.3	58.7	59.3	60.0	60.3	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	59.7	51.7	55.3	57.7	59.3	59.7	60.3	60.7	61.7	61.3	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	59.7	51.7	55.3	57.7	59.7	59.7	60.3	60.7	61.7	61.3	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	60.3	52.0	55.7	58.0	59.3	60.0	60.7	61.0	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	60.3	53.3	57.0	59.3	60.7	61.3	62.0	62.3	62.3	63.0	63.3	63.3	63.3	63.3	63.3	63.3
IV 10000	62.7	55.7	60.0	62.3	63.7	65.3	66.0	66.3	66.3	67.0	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	62.7	55.0	60.3	62.7	64.0	65.7	66.3	66.7	66.7	67.3	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000	67.7	62.7	67.0	69.7	72.0	73.7	74.7	75.0	75.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0
IV 7000	67.7	63.7	69.0	72.0	74.7	76.0	77.0	77.3	77.7	78.0	78.7	78.7	78.7	78.7	78.7	78.7
IV 6000	67.7	65.7	71.0	74.0	76.3	78.0	79.7	79.3	79.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7
IV 5000	67.7	65.3	71.0	74.3	75.7	78.3	79.3	79.7	79.7	80.3	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	67.7	67.7	73.0	76.0	78.7	80.3	81.3	81.7	81.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	67.7	68.0	75.0	78.0	80.7	82.3	83.7	84.0	84.0	85.0	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	67.7	69.7	75.7	78.7	81.3	83.0	84.3	84.7	84.7	86.0	86.7	86.7	86.7	86.7	86.7	86.7
IV 3000	67.7	70.3	76.7	80.3	83.0	84.7	85.0	86.3	86.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7
IV 2500	67.7	71.3	77.7	81.3	84.3	86.0	87.3	87.7	87.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	67.7	72.7	78.7	83.0	86.0	87.7	89.0	89.3	89.3	91.0	91.7	91.7	91.7	91.7	91.7	91.7
IV 1800	67.7	73.7	79.7	83.7	86.0	87.7	89.0	89.3	89.3	91.0	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	67.7	73.0	81.0	83.7	86.7	88.3	89.7	90.0	90.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	67.7	73.7	81.7	84.3	87.7	89.3	90.7	91.0	91.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	67.7	74.0	81.7	84.7	88.0	91.0	92.3	92.7	92.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	67.7	74.0	81.0	84.7	88.7	91.0	92.3	92.7	92.7	94.3	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	67.7	74.3	81.7	85.7	89.7	92.0	93.3	93.7	93.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	67.7	74.3	82.0	86.0	90.0	92.3	93.7	94.0	94.0	95.7	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	67.7	74.3	82.0	86.0	90.3	92.7	94.0	94.3	94.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	67.7	74.3	82.0	86.0	90.3	92.7	94.3	95.0	95.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0
IV 400	67.7	74.3	82.0	86.0	90.3	92.7	94.3	95.0	95.0	97.0	97.7	98.0	98.0	98.0	98.0	98.0
IV 300	67.7	74.3	82.0	86.0	90.3	92.7	94.7	95.3	95.3	97.3	98.0	98.3	98.3	98.3	98.3	98.3
IV 200	67.7	74.3	82.0	86.0	90.3	92.7	94.7	95.3	95.3	97.7	98.3	98.7	98.7	98.7	98.7	98.7
IV 100	67.7	74.3	82.0	86.0	90.3	92.7	94.7	95.3	95.3	97.7	98.3	99.0	99.0	99.0	99.0	99.0
IV 0	67.7	74.3	82.0	86.0	90.3	92.7	94.7	95.3	95.3	97.7	98.3	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVCEANMET 01/15/55

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14550
STATION

ASHEVILLE, NC
STATION NAME

73-52
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73
HOURS I.C.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	41.7	53.0	57.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 20000	41.7	53.0	57.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 18000	41.7	53.0	57.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 16000	41.7	53.0	57.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 14000	42.7	54.3	58.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 12000	42.7	54.3	58.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 10000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 8000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 7000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 6000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 5000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4500	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2500	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1800	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1500	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1200	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1000	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 900	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 800	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 700	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 600	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 500	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 400	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 300	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 200	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 100	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 0	45.7	58.0	62.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7

TOTAL NUMBER OF OBSERVATIONS 312

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-72

YEAR

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	46.2	46.2	47.5	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 20000	46.2	51.0	54.2	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 18000	47.5	52.2	54.5	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	47.5	52.2	54.5	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 14000	47.5	52.2	55.7	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 12000	48.2	53.9	56.5	57.0	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 10000	50.5	57.5	60.2	61.5	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	50.5	58.2	61.2	62.5	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 8000	54.2	63.7	66.2	68.6	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 7000	54.2	64.2	68.2	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 6000	55.2	66.2	69.2	71.2	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 5000	57.2	68.6	71.2	73.6	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 4500	57.2	69.2	72.6	74.3	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4000	57.2	73.2	78.3	79.9	81.9	81.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	57.2	76.9	82.3	84.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	58.2	79.9	84.6	87.3	88.6	88.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	58.2	80.2	87.3	89.0	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	58.2	83.6	90.2	92.3	93.7	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	58.2	84.2	92.6	92.6	94.0	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	58.2	85.2	92.6	94.0	95.3	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	58.2	85.2	92.6	94.0	95.3	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	57.2	86.2	92.6	95.0	96.3	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	57.2	86.2	92.6	95.0	96.3	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	57.2	86.2	93.7	95.7	97.0	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	57.2	86.2	93.7	96.0	97.3	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	57.2	86.6	93.7	96.3	98.0	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	57.2	86.6	93.7	96.3	98.3	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	57.2	86.6	93.7	96.3	98.3	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	57.2	86.6	93.7	96.3	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	57.2	86.6	93.7	96.3	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	57.2	86.6	93.7	96.3	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	57.2	86.6	93.7	96.3	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 129

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 73-74 MONTH: JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¼	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 20000	47.7	53.3	54.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	47.7	53.3	54.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 16000	47.7	53.3	54.3	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 14000	47.7	54.0	55.7	56.0	56.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 12000	47.7	54.0	55.0	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
IV 10000	47.7	54.7	61.3	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 9000	47.7	54.7	62.0	63.0	63.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 8000	47.7	54.7	64.3	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 7000	47.7	54.7	65.7	68.0	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	47.7	54.7	64.7	69.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	47.7	57.0	64.7	71.7	73.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 4500	47.7	59.7	71.7	74.7	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	47.7	64.3	74.3	76.7	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	47.7	74.7	81.3	83.7	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	47.7	82.7	85.7	88.0	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	47.7	84.7	87.0	89.3	90.7	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	47.7	85.3	88.7	91.0	92.7	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	47.7	85.7	88.0	91.3	93.0	94.0	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	47.7	86.3	89.7	92.3	94.0	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	47.7	86.3	90.0	93.0	94.7	95.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	47.7	86.3	90.3	93.7	95.3	96.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	47.7	87.0	91.0	94.3	96.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	47.7	87.0	91.0	94.3	96.0	97.3	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	47.7	87.3	91.3	95.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	47.7	87.7	91.3	95.0	96.7	98.0	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	47.7	87.7	91.7	95.3	97.0	98.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	47.7	87.7	91.7	95.3	97.0	98.3	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	47.7	87.7	91.7	95.3	97.0	98.3	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	47.7	87.7	91.7	95.3	97.0	98.3	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	47.7	87.7	91.7	95.3	97.0	98.3	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	47.7	87.7	91.7	95.3	97.0	98.3	98.7	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 NAME: ASHEVILLE, NC

73-10

YEARS

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS U.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	48.7	51.7	57.7	63.0	67.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 20000	1.7	51.7	62.7	65.0	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	1.7	61.7	67.7	65.0	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	1.7	61.7	62.7	65.0	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 14000	1.7	62.7	62.7	63.3	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 12000	2.7	62.7	63.7	64.0	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 10000	5.7	67.7	69.7	69.3	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 9000	5.3	67.7	62.7	69.3	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	47.7	71.7	73.0	73.7	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 7000	55.7	73.3	75.0	75.7	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	60.3	74.7	76.3	77.0	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	60.7	77.3	79.0	77.7	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 4500	70.7	78.7	79.7	80.7	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4000	4.7	81.7	82.7	83.7	86.7	86.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3500	16.0	82.7	84.3	86.0	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	60.3	86.3	88.0	88.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	60.3	87.3	89.0	90.7	93.0	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2000	60.7	88.7	90.0	91.7	94.0	94.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	60.7	88.3	90.0	92.0	94.3	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	60.7	88.7	91.3	92.3	94.7	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	60.7	89.7	90.7	92.7	95.3	95.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000	60.7	89.0	90.7	92.7	95.0	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	60.7	89.0	90.7	92.7	95.0	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	60.7	89.0	90.7	92.7	95.0	95.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	60.7	89.3	91.3	93.3	95.7	96.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	60.7	89.3	91.3	93.3	95.7	96.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	60.7	89.3	91.3	93.3	95.7	96.3	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	60.7	89.3	91.3	93.3	95.7	96.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	68.7	89.3	91.3	93.3	95.7	96.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	60.7	89.3	91.3	93.3	95.7	96.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	60.7	89.3	91.3	93.3	95.7	96.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	60.7	89.3	91.3	93.3	95.7	96.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 14 56

GLASSBORO, IL

STATION NAME

73-82

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	47.3	55.0	56.7	57.0	58.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	52.7	51.3	62.7	63.7	64.7	65.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IVV 18000	52.7	51.3	62.7	63.7	64.7	65.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IVV 14000	52.7	51.3	62.7	63.7	64.7	65.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IVV 14000	52.7	51.3	62.7	63.7	64.7	65.0	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IVV 12000	53.7	52.7	64.0	65.0	66.0	66.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IVV 10000	56.3	67.7	69.0	70.3	71.3	71.7	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IVV 9000	56.3	68.7	69.7	70.7	71.7	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IVV 8000	56.3	72.7	75.0	76.7	77.0	78.3	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IVV 7000	56.3	75.3	77.7	79.7	81.0	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IVV 4000	62.7	75.7	79.0	80.0	81.7	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IVV 5000	64.7	79.0	81.7	83.7	85.0	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IVV 4500	64.7	81.0	82.7	85.0	86.3	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IVV 4000	65.7	81.7	84.7	87.0	88.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IVV 3500	65.7	83.3	86.7	89.0	90.3	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IVV 3000	65.3	84.3	89.0	90.7	92.0	92.3	92.3	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IVV 2500	65.7	84.7	89.7	91.7	93.0	93.3	93.3	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IVV 2000	65.7	86.0	90.3	93.3	94.7	95.3	95.3	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IVV 1800	65.3	86.3	91.7	93.7	95.0	95.7	95.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVV 1500	65.7	86.3	92.7	93.7	95.0	95.7	95.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IVV 1200	65.7	86.7	91.0	94.0	95.3	96.0	96.0	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IVV 1000	65.7	86.7	91.0	94.0	95.3	96.0	96.0	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IVV 900	65.7	86.7	91.0	94.0	95.3	96.0	96.0	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IVV 800	65.7	87.0	91.3	94.7	96.0	96.7	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVV 700	65.7	87.0	91.3	94.7	96.0	96.7	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVV 600	65.7	87.0	91.3	94.7	96.0	96.7	96.7	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IVV 500	65.7	87.0	91.3	94.7	96.3	97.0	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVV 400	65.7	87.0	91.3	94.7	96.3	97.0	97.3	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IVV 300	65.7	87.0	91.3	94.7	96.3	97.0	97.3	98.0	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IVV 200	65.7	87.0	91.7	95.0	96.7	97.3	97.7	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IVV 100	65.7	87.0	91.7	95.0	96.7	97.3	97.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0
IVV 0	65.7	87.0	91.7	95.0	96.7	97.3	97.7	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

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

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS I. L. T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	
NO CEILING	42.4	49.7	51.5	52.7	53.2	53.6	53.7	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	47.2	56.1	53.2	59.6	60.2	60.5	60.7	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IVM 18000	47.3	56.2	54.4	58.7	60.4	60.7	60.9	61.0	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4
IVM 16000	47.3	56.2	53.4	59.7	60.4	60.7	60.9	61.0	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4
IVM 14000	47.6	56.6	55.8	60.1	60.8	61.1	61.3	61.4	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8
IVM 12000	47.2	57.7	59.9	61.3	61.9	62.2	62.4	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IVM 10000	41.4	42.3	64.8	66.2	66.9	67.3	67.5	67.7	67.7	68.1	68.2	68.2	68.2	68.2	68.2	68.2
IVM 9000	1.7	42.7	65.4	66.6	67.4	67.9	68.1	68.2	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7
IVM 8000	54.9	67.6	70.7	72.4	73.6	74.1	74.4	74.5	74.6	74.9	75.0	75.0	75.0	75.0	75.0	75.0
IVM 7000	55.7	69.0	72.2	74.1	75.4	75.9	76.2	76.4	76.4	76.7	76.9	76.9	76.9	76.9	76.9	76.9
IVM 6000	58.5	71.5	73.4	75.2	76.6	77.1	77.4	77.5	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0
IVM 5000	59.1	72.3	75.8	77.7	79.0	79.5	79.8	80.0	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IVM 4500	59.9	73.4	76.9	78.9	81.2	80.8	81.1	81.3	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8
IVM 4000	60.3	75.8	79.6	81.7	83.2	83.7	84.1	84.3	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8
IVM 3500	61.5	78.0	82.0	84.1	85.6	86.2	86.5	86.7	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3
IVM 3000	62.7	80.1	84.4	86.7	88.3	89.0	89.5	89.7	89.7	90.2	90.3	90.3	90.4	90.4	90.4	90.4
IVM 2500	63.2	80.9	85.4	87.8	89.5	90.3	90.8	91.0	91.0	91.5	91.7	91.7	91.8	91.8	91.8	91.8
IVM 2000	64.1	82.4	87.1	89.6	91.4	92.3	92.8	93.1	93.2	93.7	93.8	93.8	93.9	93.9	93.9	93.9
IVM 1800	64.1	82.7	87.4	89.9	91.7	92.6	93.1	93.4	93.5	94.0	94.1	94.1	94.2	94.2	94.2	94.2
IVM 1500	64.4	83.4	88.2	90.8	92.6	93.7	94.1	94.5	94.5	95.1	95.2	95.2	95.3	95.3	95.3	95.3
IVM 1200	64.6	83.7	88.7	91.4	93.3	94.3	94.8	95.2	95.3	95.8	95.9	95.9	96.0	96.0	96.0	96.0
IVM 1000	64.7	83.8	88.8	91.8	93.8	94.9	95.5	95.0	96.0	96.5	96.7	96.7	96.8	96.8	96.8	96.8
IVM 900	64.7	83.9	88.9	91.8	93.9	95.1	95.7	96.1	96.2	96.7	96.8	96.8	96.9	96.9	96.9	96.9
IVM 800	64.7	84.0	89.1	92.1	94.3	95.5	96.0	96.5	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3
IVM 700	64.7	84.2	89.4	92.5	94.7	95.9	96.5	97.0	97.0	97.5	97.7	97.7	97.8	97.8	97.8	97.8
IVM 600	64.7	84.2	89.5	92.5	94.8	96.0	96.7	97.3	97.2	97.8	97.9	97.9	98.0	98.0	98.0	98.0
IVM 500	64.7	84.3	89.5	92.6	95.1	96.3	97.0	97.7	97.7	98.3	98.5	98.5	98.6	98.6	98.6	98.6
IVM 400	64.7	84.3	89.6	92.7	95.2	96.4	97.3	98.0	98.0	98.7	98.8	98.8	99.0	99.0	99.0	99.0
IVM 300	64.7	84.3	89.6	92.7	95.2	96.4	97.3	98.1	98.1	99.0	99.2	99.2	99.4	99.4	99.4	99.4
IVM 200	64.7	84.3	89.6	92.7	95.3	96.5	97.3	98.2	98.2	99.1	99.3	99.3	99.6	99.6	99.6	99.6
IVM 100	64.7	84.3	89.6	92.7	95.3	96.5	97.3	98.2	98.2	99.1	99.4	99.5	99.7	99.7	99.8	99.8
IVM 0	64.7	84.3	89.6	92.7	95.3	96.5	97.3	98.2	98.2	99.1	99.4	99.5	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 2399

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
ASHEVILLE, NC

YEARS
1952

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE LOST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	46.0	57.4	61.7	65.9	66.8	67.1	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 20000	52.0	57.4	57.4	7.3	73.6	73.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 18000	52.0	62.9	67.7	7.7	73.9	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 16000	52.0	62.9	67.7	7.7	73.9	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 14000	52.0	62.9	67.7	7.7	73.9	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 12000	52.0	62.9	67.7	7.7	73.9	74.2	74.8	74.8	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 10000	52.0	67.1	72.3	75.5	79.7	80.0	80.7	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 9000	52.0	67.1	72.3	75.5	79.7	80.0	80.7	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	52.0	71.4	76.2	80.3	84.8	85.2	86.1	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 7000	52.0	72.0	77.7	81.3	85.8	86.1	87.1	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 6000	52.0	72.0	78.1	81.6	86.1	86.5	87.4	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 5000	52.0	72.0	78.1	81.6	86.1	86.5	87.4	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 4500	52.0	75.2	81.7	84.5	89.0	89.7	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 4000	52.0	75.2	81.7	84.5	89.0	89.7	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500	52.0	75.2	81.7	84.5	89.0	89.7	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	52.0	75.2	81.7	84.5	89.0	89.7	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	52.0	77.7	83.9	87.7	92.9	93.2	94.5	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2000	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1800	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 800	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 600	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 400	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 300	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 200	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 100	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 0	52.0	78.1	84.2	88.4	93.6	93.9	95.2	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS 112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1952 MONTH: JUL
 STATION: 14-05 STATION NAME: ASHEVILLE, NC YEAR: 1952 MONTH: JUL
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS: 0-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	71.5	56.7	55.6	61.8	72.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 20000	54.1	59.2	62.5	66.7	66.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 18000	54.1	59.2	62.5	66.7	66.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000	54.1	59.2	62.5	66.7	66.7	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 12000	55.0	67.2	63.4	67.0	67.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 10000	60.5	66.7	69.9	73.8	74.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 9000	61.2	67.3	70.6	74.4	75.1	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	66.7	72.5	76.1	79.9	80.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 7000	66.7	73.1	76.7	80.6	81.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	67.3	73.8	77.7	81.6	82.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 5000	67.3	75.1	79.9	82.9	83.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 4500	69.6	76.1	80.3	84.1	85.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	69.6	76.1	80.3	84.1	85.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	71.2	77.7	81.9	85.4	86.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 3000	72.5	79.9	83.5	86.0	89.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	73.1	79.9	84.1	84.7	90.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000	74.4	81.2	85.4	87.6	91.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	74.4	81.2	85.4	87.6	91.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	75.1	82.2	86.4	91.6	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	75.4	82.5	87.1	92.2	93.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	75.4	82.5	87.1	92.2	93.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	75.4	82.5	87.1	92.2	93.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	75.4	82.5	87.1	92.2	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	75.4	82.5	87.1	92.2	94.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	75.4	82.5	87.1	92.2	94.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	75.4	82.9	88.0	93.5	95.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	75.4	82.9	88.0	93.5	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	75.4	82.9	88.0	93.5	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	75.4	82.9	88.0	93.5	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	75.4	82.9	88.0	93.5	95.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	75.4	82.9	88.0	93.5	95.5	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: 809

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

73-1

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CA
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	½	¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	11.3	43.2	46.1	49.7	51.9	56.1	56.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	13.5	45.2	49.4	53.6	55.1	60.3	60.7	61.6	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 18000	13.5	45.2	49.7	53.9	53.4	58.7	61.0	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 16000	13.5	45.2	49.7	53.9	53.4	58.7	61.0	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	14.2	46.1	50.0	54.2	54.7	61.0	61.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 12000	14.2	47.7	51.6	55.8	60.2	62.9	63.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000	17.7	52.5	57.1	62.3	66.8	70.0	70.3	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	18.1	52.3	57.4	62.6	67.1	70.3	70.7	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	18.3	56.8	61.0	67.1	72.6	76.1	76.5	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	18.7	57.1	61.9	67.4	72.5	76.5	76.8	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 6000	18.7	57.7	62.5	68.1	73.6	77.1	77.8	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	18.3	55.7	64.5	70.0	75.8	79.4	79.7	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4500	18.2	60.4	67.2	71.0	76.5	80.3	80.7	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	13.7	41.9	67.1	72.9	78.7	82.6	82.9	84.8	84.8	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3500	13.5	62.3	67.4	73.2	79.0	82.9	83.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	13.5	63.2	68.4	74.2	80.3	84.2	84.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	14.2	64.5	69.7	75.5	81.6	85.5	86.1	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	14.2	64.8	70.0	75.8	81.9	85.8	86.8	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	14.5	65.2	70.7	76.5	82.6	86.5	87.4	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500	14.5	66.1	71.9	73.1	84.2	88.4	89.4	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200	14.5	66.1	71.9	73.1	84.2	88.4	89.4	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000	14.5	66.5	72.6	73.4	86.1	90.3	91.3	94.5	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	14.5	67.1	73.6	74.3	87.1	91.3	92.3	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	14.5	67.4	73.9	74.3	87.7	91.9	92.9	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.1	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	14.5	67.7	74.2	74.3	88.4	92.6	93.9	97.4	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 712

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1952

YEAR

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	35.5	49.4	52.9	57.1	54.7	49.7	59.7	42.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 20000	35.5	53.2	57.1	61.3	64.2	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 18000	35.5	53.2	57.1	61.3	64.2	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	35.5	53.2	57.1	61.3	64.2	64.2	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	35.5	53.6	57.4	61.6	64.5	64.5	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 12000	37.7	55.5	59.4	63.6	66.5	66.5	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 10000	41.7	58.7	62.9	67.7	71.0	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 9000	41.6	60.3	64.5	69.4	72.6	72.6	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 8000	43.7	62.7	67.1	71.9	75.1	75.1	75.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 7000	43.2	63.2	67.4	72.3	75.8	75.8	76.1	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 6000	43.4	64.2	68.4	73.6	77.1	77.1	77.4	77.7	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	44.0	65.9	69.7	75.2	78.7	78.7	79.0	79.4	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	44.2	65.5	69.7	75.2	78.7	79.0	79.4	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	44.0	66.5	71.0	76.8	80.7	80.7	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	44.0	67.7	72.3	78.1	81.9	82.2	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3000	44.0	69.4	74.2	80.3	84.2	84.5	85.2	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	45.0	71.0	75.8	82.3	86.1	86.5	87.1	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	45.0	72.7	77.1	83.6	87.4	87.7	88.4	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	45.0	73.2	77.1	84.0	88.7	89.4	90.0	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	45.0	73.2	77.1	84.0	88.7	89.4	90.0	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	46.0	74.5	78.4	85.1	89.7	91.0	91.6	93.6	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	46.0	75.0	78.4	85.1	91.6	92.6	93.2	95.2	95.2	95.5	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	46.0	75.5	80.3	87.1	91.9	92.9	93.6	95.5	95.5	95.9	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	46.0	76.1	81.3	88.1	92.9	93.9	94.8	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	46.0	76.1	81.3	88.1	92.9	93.9	94.8	97.1	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	46.0	76.5	81.9	88.7	93.6	94.8	95.8	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	46.0	76.8	81.9	88.7	93.9	95.2	96.1	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	46.0	76.8	81.5	88.7	93.9	95.2	96.1	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	46.0	76.8	81.9	88.7	94.2	95.5	96.5	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	46.0	76.8	81.9	88.7	94.2	95.5	96.5	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	46.0	76.8	81.9	88.7	94.2	95.5	96.5	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	46.0	76.8	81.5	89.7	94.2	95.5	96.5	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

75-12

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	57.5	52.1	53.4	54.7	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	41.7	58.9	61.2	62.5	63.1	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 18000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 16000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 14000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 10000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 9000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 8000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 7000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 6000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 5000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4500	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 3500	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 3000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 2500	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 2000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1800	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1500	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1200	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 1000	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 900	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 800	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 700	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 600	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 500	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 400	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 300	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 200	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 100	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 0	42.1	57.9	61.5	62.8	63.4	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4

TOTAL NUMBER OF OBSERVATIONS 270

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1953 FEBRUARY, 1954, II

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	67.7	71.4	73.2	75.5	76.1	77.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 20000	67.7	68.0	68.1	68.5	67.1	67.1	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	67.7	68.2	68.5	67.1	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	67.7	67.2	66.5	67.1	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 14000	67.7	68.2	68.5	67.1	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	67.7	68.2	68.5	67.1	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 10000	67.7	68.2	68.5	67.1	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	67.7	68.2	68.5	67.1	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 8000	67.7	68.1	71.0	72.5	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	67.7	68.1	71.0	72.3	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	67.7	68.4	72.3	72.2	75.0	75.2	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	67.7	68.4	72.3	74.2	76.5	76.5	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	67.7	70.3	74.5	75.5	77.7	77.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4000	67.7	72.9	77.1	77.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500	67.7	73.7	77.7	81.3	83.0	83.0	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	67.7	73.7	84.3	85.8	89.0	89.4	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2500	67.7	81.4	84.5	89.1	91.7	92.0	93.6	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	67.7	82.5	88.4	90.8	92.0	94.3	95.2	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	67.7	83.2	87.7	91.3	94.2	94.3	95.3	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	67.7	83.5	84.7	91.3	95.5	96.1	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	67.7	83.9	89.7	91.3	95.5	96.1	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	67.7	81.7	88.7	91.3	95.5	96.1	97.4	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4
IV 900	67.7	81.5	89.7	91.3	95.5	96.1	97.4	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	67.7	84.2	90.0	91.6	96.1	96.8	98.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	67.7	84.2	91.0	91.6	96.1	96.8	98.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	67.7	84.7	92.0	91.6	96.1	96.8	98.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	67.7	84.2	91.7	91.6	96.1	96.8	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	67.7	84.2	91.7	91.6	96.1	96.8	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	67.7	84.2	91.7	91.6	96.1	96.8	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	67.7	84.2	91.7	91.6	96.1	96.8	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	67.7	84.2	91.7	91.6	96.1	96.8	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	67.7	84.2	91.7	91.6	96.1	96.8	98.4	98.7	99.0	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC

YEAR: 1950

MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	50.7	45.4	51.7	50.7	50.7	48.7	50.7	50.7	50.7	50.7	53.7	53.7	53.7	53.7	54.7	53.7
IV 20000	4.7	52.3	55.2	65.8	65.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000	4.7	52.3	65.2	66.8	66.8	65.7	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 16000	4.7	52.3	65.2	65.8	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	4.7	62.6	65.1	67.7	67.7	67.7	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	4.7	61.2	56.8	68.4	68.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	1.7	67.7	71.6	73.9	74.2	74.2	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 9000	1.7	68.1	71.6	74.2	74.5	74.5	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	4.7	71.6	75.9	79.0	79.4	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 7000	4.7	72.5	76.5	80.0	80.7	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 6000	6.7	73.4	77.4	81.1	81.3	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 5000	6.7	74.3	79.7	82.6	83.2	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4500	5.7	75.3	80.7	83.9	84.6	85.2	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.5	86.5
IV 4000	7.7	79.3	83.2	87.1	88.4	88.7	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3500	7.4	80.3	84.2	88.1	89.7	89.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	8.7	82.0	86.8	91.0	93.2	93.6	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2500	8.7	83.4	89.1	92.3	94.6	94.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5	96.5
IV 2000	8.7	84.3	90.4	93.9	96.2	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.4	97.4
IV 1800	8.7	84.3	90.7	93.2	95.5	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.7	97.7
IV 1500	8.7	84.3	93.7	93.6	95.8	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1
IV 1200	8.7	84.3	93.7	93.6	95.8	96.5	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.1	98.1
IV 1000	8.7	84.3	93.7	93.9	95.1	96.5	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4	98.4
IV 900	8.7	84.3	93.7	93.9	96.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7
IV 800	8.7	84.3	93.7	93.9	96.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7
IV 700	8.7	84.3	93.7	93.9	96.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7
IV 600	8.7	84.3	93.7	93.9	96.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7
IV 500	8.7	84.3	93.7	94.2	96.5	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.0	99.0
IV 400	8.7	84.3	93.7	94.2	97.1	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4
IV 300	8.7	84.3	93.7	94.2	97.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
IV 200	8.7	84.3	93.7	94.2	97.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
IV 100	8.7	84.3	93.7	94.2	97.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0
IV 0	8.7	84.3	93.7	94.2	97.4	98.1	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 1954 MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	67.7	69.4	67.9	64.2	65.7	65.4	66.5	65.5	64.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 20000	51.7	54.9	63.4	71.3	71.3	71.9	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 18000	51.7	54.9	63.4	71.3	71.3	71.9	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 16000	51.7	54.9	63.4	71.3	71.3	71.9	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 14000	52.7	54.9	69.7	71.3	72.3	72.9	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 12000	52.7	55.5	70.7	72.5	73.2	73.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 10000	54.5	59.4	74.2	77.1	79.7	79.7	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 9000	54.5	70.0	74.8	77.7	79.7	80.3	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	56.8	71.3	75.1	79.0	81.6	82.6	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 7000	56.8	71.9	76.5	79.4	82.7	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 6000	57.4	73.0	77.4	81.3	83.2	84.5	85.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 5000	57.4	73.0	74.1	81.4	83.9	85.2	85.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 4500	57.4	73.9	79.4	82.6	85.5	86.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	57.7	76.1	82.3	85.2	89.7	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	57.7	76.5	82.9	86.5	91.7	91.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3000	57.4	77.7	84.8	88.4	92.6	94.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	57.7	78.4	85.5	89.2	93.7	95.2	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	57.7	78.7	85.8	89.4	93.6	95.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	57.7	79.0	86.1	89.7	93.9	95.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1500	57.7	79.0	86.5	90.6	94.2	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	57.7	79.0	86.5	90.6	94.2	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1000	57.7	79.0	86.5	90.6	94.2	96.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	57.7	79.4	86.8	90.3	94.5	96.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	57.7	79.7	87.1	91.0	95.2	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	57.7	79.7	87.1	91.0	95.2	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	57.7	79.7	87.1	91.0	95.2	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	57.7	79.7	87.1	91.3	95.8	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	57.7	79.7	87.1	91.3	95.8	97.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	57.7	79.7	87.1	91.6	96.1	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	57.7	79.7	87.1	91.6	96.1	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	57.7	79.7	87.1	91.6	96.1	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	57.7	79.7	87.1	91.6	96.1	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 316

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LOCUST, IL

STATION NAME

73-22

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	4.7	5.7	6.7	57.2	59.7	60.2	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	4.7	5.7	51.7	51.2	55.3	66.3	67.4	67.7	67.7	67.6	67.8	67.8	67.8	67.8	67.8	67.8
IVIV 18000	4.7	5.7	62.7	64.4	66.5	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 16000	4.7	5.7	62.7	64.4	66.5	67.7	67.6	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 14000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 12000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 10000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 9000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 8000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 7000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 6000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 5000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 4500	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 4000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 3500	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 3000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 2500	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 2000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 1800	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 1500	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 1200	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 1000	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 900	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 800	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 700	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 600	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 500	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 400	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 300	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 200	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 100	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
IVIV 0	4.7	5.7	62.7	64.4	66.5	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0

TOTAL NUMBER OF OBSERVATIONS 2475

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEAR: 1957 MONTH: 10
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS: 12

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	49.7	51.0	54.1	50.7	49.4	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 20000	50.7	53.4	57.1	61.9	65.6	66.1	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	50.7	53.4	57.1	61.9	65.6	66.1	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	50.7	53.4	57.1	61.9	65.6	66.1	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	50.7	53.4	57.4	62.3	66.1	66.6	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	50.7	54.1	57.7	62.3	66.8	67.4	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	51.0	54.4	62.3	67.4	71.6	72.3	73.2	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000	52.3	54.7	62.3	67.7	71.9	72.6	73.6	73.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 8000	48.0	63.2	67.1	72.3	75.5	77.4	78.4	79.0	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	49.7	64.1	68.1	73.2	77.4	78.7	79.7	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	45.0	65.2	69.7	74.2	78.4	79.7	80.7	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 5000	46.1	66.1	70.7	75.2	80.7	81.3	82.3	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	47.7	66.5	72.7	78.8	81.7	81.9	82.9	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4000	47.4	66.4	72.9	78.1	83.2	84.5	85.5	86.1	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	47.7	69.4	74.2	79.4	84.8	86.1	87.1	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000	47.4	71.5	76.1	81.9	87.7	89.0	90.0	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	47.7	72.3	77.1	82.9	89.0	90.3	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000	47.7	72.3	77.1	82.9	89.0	90.3	91.6	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	47.7	72.3	77.1	83.2	89.4	90.7	91.9	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	47.4	73.2	77.1	84.5	90.7	92.3	93.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	47.4	73.2	77.7	85.2	91.3	92.9	94.5	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	47.4	73.6	75.0	85.5	91.6	93.2	95.8	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	47.4	73.6	75.0	85.5	91.6	93.2	95.8	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	47.4	73.6	75.4	85.8	92.3	93.9	96.5	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	47.4	73.6	75.7	85.1	92.6	94.2	96.8	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	47.4	73.6	75.7	86.1	92.9	94.5	97.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	47.4	73.6	75.7	85.1	93.6	95.2	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	47.4	73.6	75.7	86.1	93.6	95.2	98.1	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300	47.4	73.6	75.7	86.1	93.6	95.2	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	47.4	73.6	75.7	86.1	93.6	95.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	47.4	73.6	75.7	86.1	93.6	95.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	47.4	73.6	75.7	86.1	93.6	95.2	98.1	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
ASHEVILLE, NC

YEAR
17-82

MONTH
03

STATION

STATION NAME

YEAR

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	≥ 3/16	≥ ¼	≥ 0	
NO CEILING	42.8	46.8	51.8	54.2	57.1	57.7	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 20000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 18000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 16000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 14000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 8000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 7000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 6000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 5000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 4500	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 4000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 3500	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 3000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 2500	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 2000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 1800	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 1500	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 1200	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 1000	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 900	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 800	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 700	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 600	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 500	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 400	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 300	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 200	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 100	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 0	37.8	49.4	54.2	57.7	61.6	62.6	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5

TOTAL NUMBER OF OBSERVATIONS 717

DIRNAVOCEANMET SMS0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 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

73-47

1955

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

76
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	27.7	34.3	39.7	41.9	40.5	50.7	51.6	53.2	57.7	53.6	57.9	54.5	54.8	54.2	55.2	55.7
≥ 20000	27.7	39.3	47.6	47.4	51.3	56.7	57.7	59.7	59.7	60.0	60.7	61.3	61.6	61.6	61.9	61.9
IVIV 18000	27.7	39.7	43.6	47.4	51.3	56.5	57.7	59.7	59.7	60.0	60.7	61.3	61.6	61.6	61.9	61.9
IVIV 16000	27.7	39.7	43.6	47.4	51.3	56.5	57.7	59.7	59.7	60.0	60.7	61.3	61.6	61.6	61.9	61.9
IVIV 14000	27.7	39.3	43.6	47.4	51.3	56.5	57.7	59.7	59.7	60.0	60.7	61.3	61.6	61.6	61.9	61.9
IVIV 12000	27.7	40.3	44.8	48.4	52.3	57.4	58.7	61.3	61.3	61.6	62.3	62.9	63.2	63.2	63.6	63.6
IVIV 10000	27.7	43.6	48.4	52.3	56.1	61.5	63.6	66.1	66.1	66.5	67.4	68.1	68.4	68.4	68.7	68.7
IVIV 9000	27.7	43.2	47.6	53.2	57.1	62.6	64.5	67.1	67.1	67.4	68.4	69.3	69.4	69.4	69.7	69.7
IVIV 8000	27.7	45.5	51.9	55.5	60.7	66.5	69.7	71.6	71.6	72.3	73.2	73.9	74.2	74.2	74.5	74.5
IVIV 7000	27.7	45.3	52.3	56.8	61.7	67.1	69.7	72.6	72.6	73.2	74.2	74.8	75.2	75.2	75.5	75.5
IVIV 6000	27.7	46.5	53.2	57.7	62.6	68.7	71.9	74.8	74.8	75.5	76.5	77.1	77.4	77.4	77.7	77.7
IVIV 5000	27.7	48.7	55.5	60.7	65.8	71.9	75.2	78.1	78.1	78.7	79.7	80.3	80.7	80.7	81.0	81.0
IVIV 4500	27.7	49.4	56.1	61.3	66.5	72.6	75.8	79.0	79.0	79.7	80.7	81.3	81.6	81.6	81.9	81.9
IVIV 4000	27.7	49.4	56.1	61.3	67.1	73.2	76.5	79.7	79.7	80.3	81.3	81.9	82.3	82.3	82.6	82.6
IVIV 3500	27.7	51.3	57.7	62.9	68.7	74.8	78.1	81.3	81.3	81.9	82.9	83.6	83.9	83.9	84.2	84.2
IVIV 3000	27.7	52.6	59.7	65.2	71.3	77.7	81.3	84.5	84.5	85.2	86.1	86.8	87.4	87.4	87.7	87.7
IVIV 2500	27.7	52.6	61.0	66.5	71.9	78.7	82.3	85.5	85.5	86.1	87.1	87.7	88.4	88.4	88.7	88.7
IVIV 2000	27.7	53.8	61.0	66.5	73.2	80.0	83.6	86.8	86.8	87.4	88.4	89.0	89.7	89.7	90.0	90.0
IVIV 1800	27.7	53.6	61.0	66.5	73.2	80.0	83.6	86.8	86.8	87.4	88.4	89.0	89.7	89.7	90.0	90.0
IVIV 1500	34.3	53.4	61.3	67.1	73.9	80.7	84.2	87.7	87.7	88.4	89.7	90.3	91.0	91.0	91.3	91.3
IVIV 1200	34.5	54.2	61.7	68.1	74.8	81.6	85.5	89.0	89.0	89.7	91.3	91.9	92.6	92.6	92.9	92.9
IVIV 1000	34.3	54.5	62.3	68.7	76.1	82.9	86.8	90.3	90.7	91.1	93.2	93.9	94.5	94.5	94.8	94.8
IVIV 900	34.3	54.5	62.3	68.7	76.1	82.9	87.1	90.7	91.0	91.9	93.6	94.2	94.8	94.8	95.2	95.2
IVIV 800	34.3	54.5	62.3	69.0	76.5	83.2	87.7	91.3	91.6	92.6	94.2	94.8	95.5	95.5	95.8	95.8
IVIV 700	34.3	55.2	62.9	69.7	77.1	83.9	88.4	91.9	92.3	93.2	94.8	95.5	96.1	96.1	96.5	96.5
IVIV 600	34.3	55.7	62.9	69.7	77.1	84.8	89.4	92.9	93.2	94.2	95.8	96.5	97.1	97.1	97.4	97.4
IVIV 500	34.3	55.5	63.2	70.0	77.4	85.2	90.0	93.6	93.9	94.8	96.5	97.1	97.7	97.7	98.1	98.1
IVIV 400	34.3	55.5	63.2	70.0	77.4	85.2	90.0	93.6	93.9	95.2	96.8	97.4	98.1	98.1	98.4	98.4
IVIV 300	34.3	55.5	63.2	70.0	77.4	85.2	90.0	93.9	94.2	95.5	97.1	97.7	98.4	98.4	98.7	98.7
IVIV 200	34.3	55.5	63.2	70.0	77.4	85.2	90.0	94.2	94.5	96.1	97.7	98.4	99.7	99.7	100.0	100.0
IVIV 100	34.3	55.5	63.2	70.0	77.4	85.2	90.0	94.2	94.5	96.1	97.7	98.4	99.7	99.7	100.0	100.0
IVIV 0	34.3	55.5	63.2	70.0	77.4	85.2	90.0	94.2	94.5	96.1	97.7	98.4	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
14507

STATION NAME
CIE-764, IL

YEARS
73-72

MONTH
ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	76.1	59.4	47.9	40.5	37.7	31.6	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	23.7	44.5	49.1	51.6	54.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
18000	23.7	44.5	48.1	51.6	56.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
16000	23.7	44.5	48.1	51.6	56.5	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
14000	23.7	45.2	47.9	52.6	57.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
12000	23.7	44.5	50.3	53.9	59.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
10000	31.3	50.3	54.2	56.4	63.9	65.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
9000	31.3	50.7	54.5	53.7	64.2	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
8000	32.7	53.6	54.4	63.9	70.0	71.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
7000	33.2	54.2	59.3	64.5	71.2	73.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
6000	33.2	54.2	61.6	65.5	71.9	74.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
5000	33.2	57.4	62.3	67.7	74.2	75.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
4500	33.2	59.1	62.9	68.4	74.8	77.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
4000	35.7	58.7	63.6	69.4	76.1	78.7	80.7	81.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3500	35.7	59.7	64.5	70.3	77.1	79.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
3000	37.1	61.3	66.5	72.6	79.4	82.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2500	37.1	61.9	67.4	73.6	80.3	83.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2000	37.7	63.6	69.4	75.5	82.3	85.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1800	37.7	64.2	70.0	76.1	82.9	85.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1500	38.1	65.2	71.3	77.7	84.5	87.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1200	38.1	66.5	72.6	79.7	87.1	90.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1000	38.1	67.1	73.2	80.3	88.4	91.3	93.9	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
900	38.1	67.1	73.2	80.3	88.7	91.6	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
800	38.1	67.1	73.6	80.7	89.4	92.6	96.1	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
700	38.1	67.1	73.6	80.7	89.7	93.2	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
600	38.1	67.1	73.6	80.7	89.7	93.2	97.1	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
500	38.1	67.7	74.2	81.3	90.3	93.9	97.7	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
400	38.1	67.7	74.2	81.3	90.7	94.2	98.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
300	38.1	67.7	74.2	81.3	90.7	94.2	98.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
200	38.1	67.7	74.2	81.3	90.7	94.2	98.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
100	38.1	67.7	74.2	81.3	90.7	94.2	98.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4
0	38.1	67.7	74.2	81.3	90.7	94.2	98.1	98.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEARS: 1955 MONTH: 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.4	42.8	45.9	47.7	47.7	46.4	46.4	43.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 20000	32.7	47.4	51.3	52.6	52.9	53.6	53.6	52.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 18000	33.2	48.1	51.9	53.2	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	33.2	48.1	51.9	53.2	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 14000	33.2	48.4	52.3	53.6	53.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	33.2	50.3	54.2	55.5	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 10000	34.7	54.4	59.0	61.0	61.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 9000	34.7	55.2	59.4	61.3	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 8000	39.7	58.4	63.6	65.5	66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 7000	40.7	59.4	63.6	66.8	67.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 6000	41.7	60.3	64.5	68.4	69.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	42.3	62.3	66.5	70.3	71.6	72.9	72.9	72.9	72.9	72.9	73.2	73.2	73.2	73.2	73.2
IV 4500	42.4	62.6	66.5	70.7	71.9	73.2	73.2	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6
IV 4000	42.3	63.9	68.7	73.6	75.2	76.8	76.8	76.8	76.8	76.8	77.1	77.1	77.1	77.1	77.1
IV 3500	44.2	66.5	71.3	76.1	77.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.0	80.0	80.0
IV 3000	47.4	71.0	75.8	81.6	84.2	86.1	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.5	86.5
IV 2500	49.7	73.5	78.7	84.8	87.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7
IV 2000	50.7	74.8	81.3	87.8	89.4	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6
IV 1800	50.7	74.3	81.3	86.8	89.4	91.3	91.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6
IV 1500	51.7	76.1	81.0	88.4	91.6	93.9	94.5	94.5	94.5	94.5	94.8	94.8	94.8	94.8	94.8
IV 1200	51.6	77.1	82.9	89.4	92.6	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1
IV 1000	51.6	77.7	83.6	90.7	93.9	96.1	96.8	96.8	96.8	96.8	97.1	97.4	97.4	97.4	97.4
IV 900	51.4	78.4	84.5	91.6	94.8	97.1	97.7	97.7	97.7	97.7	98.1	98.4	98.4	98.4	98.4
IV 800	51.6	78.4	84.5	92.3	95.5	97.7	98.4	98.4	98.4	98.4	98.7	99.0	99.0	99.0	99.0
IV 700	51.6	79.4	84.5	92.3	95.5	97.7	98.4	98.7	98.7	98.7	99.0	99.4	99.4	99.4	99.4
IV 600	51.6	78.4	84.5	92.3	95.8	98.1	98.7	99.0	99.0	99.0	99.4	99.7	99.7	99.7	99.7
IV 500	51.6	78.4	84.5	92.3	95.8	98.1	98.7	99.0	99.0	99.4	99.7	99.7	99.7	99.7	99.7
IV 400	51.6	78.4	84.5	92.3	95.8	98.1	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0
IV 300	51.6	78.4	84.5	92.3	95.8	98.1	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0
IV 200	51.6	78.4	84.5	92.3	95.8	98.1	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0
IV 100	51.6	78.4	84.5	92.3	95.8	98.1	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0
IV 0	51.6	78.4	84.5	92.3	95.8	98.1	98.7	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 101110, IL

73-72

407

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15
HOURS IN DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	34.2	47.4	51.0	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 20000	39.7	54.2	58.1	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 18000	39.7	54.2	58.1	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 16000	39.7	54.2	58.1	59.7	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	40.9	54.2	59.7	60.3	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	40.9	57.1	61.0	60.6	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 10000	42.2	59.0	63.6	65.2	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	43.6	60.3	64.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 8000	44.5	63.9	69.0	71.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	45.0	64.2	69.4	71.6	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	46.1	64.5	70.7	72.3	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	46.4	67.1	72.9	75.5	76.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	48.4	67.1	72.9	75.5	76.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	49.0	69.0	75.0	77.7	79.4	80.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	50.5	71.6	77.7	80.7	82.3	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	51.2	74.5	80.7	83.9	85.5	86.8	87.7	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1
IV 2500	52.2	75.5	83.6	87.1	89.0	90.3	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9
IV 2000	54.2	79.0	86.1	89.7	91.6	92.9	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	44.2	79.0	86.1	89.7	91.6	92.9	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	44.5	79.7	87.4	91.0	92.9	94.2	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	44.5	80.0	87.7	91.3	93.2	94.5	96.1	96.1	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	44.5	80.0	87.7	91.6	94.2	95.8	97.4	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	44.5	80.0	88.4	92.3	94.8	96.5	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	44.5	80.0	88.4	92.6	95.5	97.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	44.5	80.0	88.4	92.6	95.5	97.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	44.5	80.0	88.4	92.6	95.5	97.1	99.0	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	44.5	80.0	88.4	92.6	95.5	97.1	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	44.5	80.0	88.4	92.6	95.5	97.1	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	44.5	80.0	88.4	92.6	95.5	97.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	44.5	80.0	88.4	92.6	95.5	97.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	44.5	80.0	88.4	92.6	95.5	97.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	44.5	80.0	88.4	92.6	95.5	97.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14 54 STATION NAME: ASHEVILLE, NC YEARS: 1950 MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	78.5	61.0	57.3	57.6	51.9	43.9	37.9	31.9	23.9	13.9	5.9	3.9	2.9	1.9	1.9
≥ 20000	72.2	57.3	52.3	53.6	64.5	65.2	65.5	65.5	65.0	65.0	65.5	65.5	65.5	65.5	61.5
18000	42.8	57.3	52.6	63.9	64.8	65.5	65.3	65.8	65.3	65.2	65.9	65.3	65.8	65.9	65.8
16000	2.7	57.3	52.5	63.9	64.9	65.5	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
14000	3.8	61.0	63.2	64.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
12000	46.4	61.0	64.5	65.8	67.1	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
10000	46.4	66.5	69.0	70.7	72.7	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
9000	47.1	67.4	69.7	71.3	72.9	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
8000	48.7	71.0	74.5	76.5	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
7000	50.3	72.0	76.1	78.1	80.1	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
6000	51.0	73.9	77.1	79.9	81.3	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
5000	51.9	75.2	78.4	81.3	83.2	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
4500	51.7	75.5	78.7	81.7	83.6	84.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
4000	51.7	76.0	79.4	81.3	84.2	85.5	86.5	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8
3500	53.2	77.7	81.0	82.9	85.8	87.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
3000	53.2	78.7	81.9	84.2	87.4	89.4	90.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3
2500	57.5	80.0	83.9	86.1	89.4	91.3	92.6	92.9	92.9	93.2	93.2	93.2	93.2	93.2	93.2
2000	53.6	80.3	84.2	86.5	90.3	92.3	93.6	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2
1800	57.2	81.7	84.5	86.8	91.7	93.2	94.5	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2
1500	53.2	81.7	85.2	87.7	92.6	94.5	95.8	96.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5
1200	53.4	81.3	85.2	88.1	92.9	94.8	96.1	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8
1000	53.8	81.3	85.5	88.4	93.9	95.8	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
900	53.9	81.3	85.5	88.4	93.9	95.8	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
800	53.9	81.3	85.5	88.4	93.9	95.8	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
700	53.9	81.3	85.5	88.4	93.9	95.8	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7
600	53.9	81.3	85.5	88.4	94.2	96.1	97.4	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1
500	53.9	81.3	85.5	88.4	94.5	96.5	97.7	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
400	53.9	81.3	85.5	88.4	94.5	96.8	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
300	53.9	81.3	85.5	88.4	94.5	96.8	98.7	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0
200	53.9	81.3	85.5	88.4	94.5	96.8	98.7	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0
100	53.9	81.3	85.5	88.4	94.5	96.8	98.7	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0
0	53.9	61.3	65.5	88.4	94.5	96.8	98.7	99.0	99.0	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC

YEARS: 75-77

MONTH: 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOUSE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	51.5	53.2	54.4	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 20000	51.5	57.7	61.9	64.2	66.5	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
18000	51.5	57.7	61.9	64.2	66.5	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
16000	51.5	57.7	61.9	64.2	66.5	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
14000	52.3	57.7	62.6	65.2	67.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
12000	53.2	57.7	63.9	66.5	68.7	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
10000	54.1	57.7	65.7	71.3	73.9	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
9000	54.1	53.0	65.7	71.3	74.0	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
8000	54.1	57.7	73.2	77.1	79.7	81.6	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
7000	54.7	68.4	73.2	76.8	81.7	82.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
6000	54.7	68.4	74.2	77.1	81.0	83.2	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
5000	54.7	71.0	77.1	81.7	84.5	86.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4500	54.7	71.3	77.4	81.0	84.9	87.1	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
4000	54.7	72.6	77.7	81.3	86.1	88.4	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
3500	54.7	73.4	78.7	83.2	87.1	89.4	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3000	54.7	73.9	80.7	83.6	88.4	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2500	54.7	74.2	81.0	84.5	90.3	92.6	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2000	54.7	74.5	81.6	85.5	91.3	93.6	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
1800	54.7	74.8	81.6	85.8	91.6	93.9	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1500	54.7	75.2	82.3	86.5	92.3	94.5	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1200	54.7	75.2	82.6	86.8	92.6	95.2	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1000	54.7	75.5	82.9	87.7	93.6	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
900	54.7	75.5	82.9	87.7	93.6	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
800	54.7	75.5	83.2	88.1	93.9	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700	54.7	76.1	83.6	88.4	94.2	96.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600	54.7	76.1	83.6	88.4	94.5	97.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
500	54.7	76.1	83.6	88.7	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	54.7	76.1	83.6	88.7	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	54.7	76.1	83.6	88.7	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	54.7	76.1	83.6	88.7	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	54.7	76.1	83.6	88.7	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	54.7	76.1	83.6	88.7	94.8	97.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

01 70 2L

STATION NAME

77-2

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0	≥ 0
NO CEILING	26.7	45.8	44.0	51.4	53.4	54.5	55.0	56.2	55.2	55.3	55.4	55.4	55.5	55.5	55.5	55.5
≥ 20000	5.0	50.7	54.8	57.3	57.9	58.2	61.4	56.1	57.1	62.2	52.3	52.3	52.4	52.4	52.4	52.4
18000	15.0	50.8	54.7	57.5	60.0	61.4	61.8	62.3	62.3	62.3	62.4	62.5	62.5	62.5	62.5	62.5
16000	15.0	50.9	54.7	57.5	57.0	61.4	61.4	62.3	62.7	62.3	62.4	62.5	62.5	62.5	62.5	62.5
14000	16.1	51.3	55.7	58.7	58.6	61.7	62.5	62.8	62.8	62.9	62.9	63.0	63.1	63.1	63.1	63.1
12000	17.0	52.0	56.4	59.3	61.9	63.2	63.9	64.2	64.7	64.4	64.4	64.5	64.6	64.6	64.6	64.6
10000	17.4	56.5	57.5	64.0	66.5	68.5	69.2	69.6	69.6	69.7	69.8	70.0	70.0	70.0	70.0	70.0
9000	17.4	56.7	61.4	64.5	67.4	69.1	69.3	70.2	70.2	70.2	70.4	70.5	70.6	70.6	70.6	70.6
8000	11.4	60.4	65.4	65.1	72.7	74.2	75.1	75.6	75.4	75.8	75.9	76.1	76.1	76.1	76.1	76.1
7000	12.0	61.2	65.2	70.0	73.3	75.4	76.3	76.9	76.4	77.0	77.1	77.2	77.3	77.3	77.3	77.3
6000	12.7	61.9	67.0	70.6	74.7	76.3	77.4	77.9	77.0	78.1	77.2	77.4	77.4	77.4	77.4	77.4
5000	13.4	62.7	68.9	72.9	75.7	78.9	80.2	81.6	80.6	80.8	81.2	81.1	81.1	81.1	81.1	81.1
4500	13.5	64.1	69.7	73.4	77.0	79.4	80.3	81.1	81.1	81.3	81.5	81.6	81.6	81.6	81.7	81.7
4000	14.7	65.2	70.7	74.9	78.9	81.2	82.5	83.1	83.1	83.3	83.5	83.6	83.6	83.6	83.7	83.7
3500	14.8	66.6	72.3	76.6	80.7	83.2	84.3	84.9	84.9	85.1	85.3	85.4	85.4	85.4	85.5	85.5
3000	15.0	68.0	74.3	79.1	82.4	85.9	87.4	88.1	88.1	88.3	88.5	88.6	88.6	88.7	88.7	88.7
2500	16.1	69.6	75.7	80.5	85.2	87.6	89.3	90.0	90.0	90.2	90.4	90.6	90.7	90.7	90.7	90.7
2000	16.7	70.7	76.7	81.8	86.7	89.3	90.9	91.5	91.5	91.7	92.0	92.1	92.2	92.2	92.2	92.2
1800	16.7	70.8	77.0	82.0	87.0	89.6	91.1	91.9	91.8	92.0	92.3	92.4	92.5	92.5	92.5	92.5
1600	17.0	71.5	77.0	83.2	88.3	90.9	92.7	93.4	93.4	93.6	93.9	94.0	94.1	94.1	94.2	94.2
1500	17.0	71.9	78.5	83.9	89.1	91.8	93.7	94.4	94.4	94.7	95.0	95.1	95.2	95.2	95.2	95.2
1200	17.0	72.2	78.9	84.5	90.1	92.0	94.0	95.6	95.7	96.0	96.3	96.4	96.5	96.5	96.5	96.5
1000	17.0	72.7	79.1	84.8	90.4	93.1	95.3	96.1	96.1	96.4	96.7	96.9	96.9	96.9	97.0	97.0
900	17.0	72.7	79.2	85.1	90.8	93.6	95.9	96.7	96.7	97.1	97.4	97.5	97.6	97.6	97.6	97.6
800	17.0	72.7	79.2	85.1	90.8	93.6	95.9	96.7	96.7	97.1	97.4	97.5	97.6	97.6	97.6	97.6
700	17.0	72.5	79.4	85.3	91.1	93.4	95.2	97.0	97.1	97.4	97.7	97.9	97.9	97.9	98.0	98.0
600	17.0	72.5	79.4	85.3	91.3	94.2	95.6	97.4	97.5	97.8	98.2	98.3	98.4	98.4	98.4	98.4
500	17.0	72.5	79.5	85.4	91.6	94.5	97.0	97.9	98.0	98.3	98.8	98.9	98.9	98.9	99.0	99.0
400	17.0	72.6	79.5	85.4	91.6	94.6	97.2	98.2	98.2	98.6	99.1	99.2	99.2	99.3	99.3	99.3
300	17.0	72.6	79.5	85.4	91.6	94.6	97.3	98.4	98.4	98.8	99.2	99.3	99.4	99.4	99.5	99.5
200	17.0	72.6	79.5	85.4	91.6	94.6	97.3	98.4	98.5	98.8	99.2	99.3	99.4	99.4	99.5	99.5
100	17.0	72.6	79.5	85.4	91.6	94.6	97.3	98.4	98.5	98.8	99.2	99.3	99.4	99.4	99.5	99.5
0	17.0	72.6	79.5	85.4	91.6	94.6	97.3	98.4	98.5	98.8	99.2	99.3	99.4	99.4	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2492

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 11 12 4, 11 STATION NAME: YEARS: MONTH: HOURS: 1-5 T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 20000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 18000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 16000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 14000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 12000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 10000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 9000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 8000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 7000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 6000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 5000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 4500	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 4000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 3500	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 3000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 2500	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 2000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 1800	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 1500	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 1200	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 1000	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 900	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 800	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 700	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 600	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 500	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 400	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 300	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 200	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
IV 100	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7
0	4.3	7.3	8.7	11.7	16.7	21.7	27.7	32.7	37.7	41.7	46.7	51.7	56.7	61.7	66.7	71.7

TOTAL NUMBER OF OBSERVATIONS: 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

CEILING VERSUS VISIBILITY

STATION: _____ STATION NAME: _____ YEARS: _____ MONTH: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	1.7	3.3	5.5	7.7	9.9	12.1	14.3	16.5	18.7	20.9	23.1	25.3	27.5	29.7
IV 20000	2.2	4.4	6.6	8.8	11.0	13.2	15.4	17.6	19.8	22.0	24.2	26.4	28.6	30.8
IV 18000	2.7	5.4	8.1	10.8	13.5	16.2	18.9	21.6	24.3	27.0	29.7	32.4	35.1	37.8
IV 16000	3.2	6.4	9.6	12.8	16.0	19.2	22.4	25.6	28.8	32.0	35.2	38.4	41.6	44.8
IV 14000	3.7	7.4	11.1	14.8	18.5	22.2	25.9	29.6	33.3	37.0	40.7	44.4	48.1	51.8
IV 12000	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42.0	46.2	50.4	54.6	58.8
IV 10000	4.7	9.4	14.1	18.8	23.5	28.2	32.9	37.6	42.3	47.0	51.7	56.4	61.1	65.8
IV 9000	5.2	10.4	15.6	20.8	26.0	31.2	36.4	41.6	46.8	52.0	57.2	62.4	67.6	72.8
IV 8000	5.7	11.4	17.1	22.8	28.5	34.2	39.9	45.6	51.3	57.0	62.7	68.4	74.1	79.8
IV 7000	6.2	12.4	18.6	24.8	31.0	37.2	43.4	49.6	55.8	62.0	68.2	74.4	80.6	86.8
IV 6000	6.7	13.4	20.1	26.8	33.0	39.2	45.4	51.6	57.8	64.0	70.2	76.4	82.6	88.8
IV 5000	7.2	14.4	21.6	28.8	35.0	41.2	47.4	53.6	59.8	66.0	72.2	78.4	84.6	90.8
IV 4500	7.7	15.4	23.1	30.8	37.0	43.2	49.4	55.6	61.8	68.0	74.2	80.4	86.6	92.8
IV 4000	8.2	16.4	24.6	32.8	39.0	45.2	51.4	57.6	63.8	70.0	76.2	82.4	88.6	94.8
IV 3500	8.7	17.4	26.1	34.8	41.0	47.2	53.4	59.6	65.8	72.0	78.2	84.4	90.6	96.8
IV 3000	9.2	18.4	27.6	36.8	43.0	49.2	55.4	61.6	67.8	74.0	80.2	86.4	92.6	98.8
IV 2500	9.7	19.4	29.1	38.8	45.0	51.2	57.4	63.6	69.8	76.0	82.2	88.4	94.6	100.8
IV 2000	10.2	20.4	30.6	40.8	47.0	53.2	59.4	65.6	71.8	78.0	84.2	90.4	96.6	102.8
IV 1800	10.7	21.4	32.1	42.8	49.0	55.2	61.4	67.6	73.8	80.0	86.2	92.4	98.6	104.8
IV 1500	11.2	22.4	33.6	44.8	51.0	57.2	63.4	69.6	75.8	82.0	88.2	94.4	100.6	106.8
IV 1200	11.7	23.4	35.1	46.8	53.0	59.2	65.4	71.6	77.8	84.0	90.2	96.4	102.6	108.8
IV 1000	12.2	24.4	36.6	48.8	55.0	61.2	67.4	73.6	79.8	86.0	92.2	98.4	104.6	110.8
IV 900	12.7	25.4	38.1	50.8	57.0	63.2	69.4	75.6	81.8	88.0	94.2	100.4	106.6	112.8
IV 800	13.2	26.4	39.6	52.8	59.0	65.2	71.4	77.6	83.8	90.0	96.2	102.4	108.6	114.8
IV 700	13.7	27.4	41.1	54.8	61.0	67.2	73.4	79.6	85.8	92.0	98.2	104.4	110.6	116.8
IV 600	14.2	28.4	42.6	56.8	63.0	69.2	75.4	81.6	87.8	94.0	100.2	106.4	112.6	118.8
IV 500	14.7	29.4	44.1	58.8	65.0	71.2	77.4	83.6	89.8	96.0	102.2	108.4	114.6	120.8
IV 400	15.2	30.4	45.6	60.8	67.0	73.2	79.4	85.6	91.8	98.0	104.2	110.4	116.6	122.8
IV 300	15.7	31.4	47.1	62.8	69.0	75.2	81.4	87.6	93.8	100.0	106.2	112.4	118.6	124.8
IV 200	16.2	32.4	48.6	64.8	71.0	77.2	83.4	89.6	95.8	102.0	108.2	114.4	120.6	126.8
IV 100	16.7	33.4	50.1	66.8	73.0	79.2	85.4	91.6	97.8	104.0	110.2	116.4	122.6	128.8
IV 0	17.2	34.4	51.6	68.8	75.0	81.2	87.4	93.6	99.8	106.0	112.2	118.4	124.6	130.8

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 20000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 18000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
16000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 14000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
12000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 10000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
9000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 8000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
7000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 6000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
5000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 4500	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
4000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 3500	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
3000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 2500	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 1800	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
1500	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 1200	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
1000	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 900	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
800	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 700	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
600	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 500	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
400	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 300	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
200	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IVIV 100	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
0	55.7	47.7	45.3	44.7	49.7	51.3	53.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1951 MONTH: SEP
STATION NAME YEAR MONTH HOURS U.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.0	2.0	4.7	4.3	51.0	11.3	11.7	51.7	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	2.0	45.7	4.7	52.3	55.3	55.3	55.7	55.7	55.7	56.0	56.3	56.3	56.3	56.3	56.3	56.7
IV 18000	3.3	45.7	5.0	52.7	55.3	55.7	56.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7
IV 16000	3.3	45.7	5.0	52.7	55.3	55.7	56.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	3.3	45.7	5.0	52.7	55.3	55.7	56.0	56.0	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000	3.3	46.3	51.0	53.7	56.3	56.7	57.0	57.0	57.0	57.3	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	3.3	46.7	57.3	56.3	57.3	59.7	60.0	60.0	60.0	60.3	60.7	61.7	61.7	60.7	60.7	60.7
IV 9000	3.7	50.3	58.3	54.3	61.3	61.7	62.0	62.0	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7
IV 8000	3.7	53.7	58.7	61.7	65.0	65.7	65.7	65.7	65.7	66.0	66.3	66.3	66.3	66.3	66.3	66.3
IV 7000	4.0	55.7	60.3	64.0	67.3	67.7	68.0	68.0	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7
IV 6000	4.0	56.7	61.7	64.3	67.7	68.0	68.3	68.3	68.3	68.7	69.0	69.0	69.0	69.0	69.0	69.0
IV 5000	4.0	57.3	61.7	65.3	69.7	69.3	69.7	69.7	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	4.0	58.7	63.7	67.3	71.0	71.3	71.7	72.0	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	4.0	59.7	65.7	69.0	73.0	73.7	74.0	74.0	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	4.0	60.3	65.3	71.3	74.7	75.3	75.7	75.3	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0
IV 3000	4.0	62.7	66.7	72.7	77.3	78.3	78.3	78.3	78.3	78.7	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	4.0	65.3	71.3	75.3	80.0	80.7	81.0	81.7	81.7	82.0	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	4.0	68.3	74.3	79.3	84.3	85.0	85.3	86.0	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1800	4.0	69.7	75.0	80.0	85.3	86.0	86.3	87.0	87.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500	4.0	70.3	77.0	82.1	87.7	88.3	88.7	89.3	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	4.0	72.3	79.3	84.7	90.3	91.3	91.7	92.3	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	4.0	72.7	80.7	86.3	92.0	93.3	93.7	94.3	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	1.0	73.3	81.3	86.7	92.7	94.1	94.3	95.7	95.3	95.7	96.0	96.0	96.3	96.3	96.3	96.7
IV 800	1.0	73.7	81.7	87.3	94.0	95.7	96.1	97.0	97.3	97.7	98.0	98.0	98.3	98.3	98.3	98.3
IV 700	1.0	73.7	81.7	87.3	94.0	96.0	96.7	97.7	98.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0
IV 600	1.0	73.7	81.7	87.3	94.0	96.0	96.7	97.7	98.0	98.3	98.7	98.7	99.0	99.0	99.0	99.0
IV 500	1.0	73.7	81.7	87.3	94.3	96.3	97.3	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	1.0	73.7	81.7	87.3	94.3	96.3	97.3	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	1.0	73.7	81.7	87.3	94.3	96.3	97.3	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	1.0	73.7	81.7	87.3	94.3	96.3	97.3	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	1.0	73.7	81.7	87.3	94.3	96.3	97.3	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	1.0	73.7	81.7	87.3	94.3	96.3	97.3	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 77-80 MONTH: SEP
 STATION NAME: _____ YEARS: _____ MONTH: _____
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.): 12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	35.7	44.3	47.3	45.3	40.7	38.7	41.7	41.7	45.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 20000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 7000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 5000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4500	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3500	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2500	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1800	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1500	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1200	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1000	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 900	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 800	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 700	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 600	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 500	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 400	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 300	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 200	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 100	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 0	41.7	50.7	51.7	54.7	55.7	55.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 1755 STATION NAME: YEARS: REF: MONTH: NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1" HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	49.7	51.7	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 20000	44.7	44.7	55.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 18000	44.7	54.7	56.7	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 16000	44.7	54.7	56.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	44.7	54.3	56.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	44.7	55.3	57.3	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 10000	47.3	57.7	60.0	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	47.7	58.7	60.3	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 8000	50.7	62.7	64.3	65.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000	50.7	62.3	64.7	66.0	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	52.7	64.3	66.3	67.7	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 5000	52.3	65.7	68.3	69.7	70.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	53.3	66.0	69.3	70.7	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4000	50.7	73.0	73.3	74.7	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3500	52.7	72.7	74.0	76.0	78.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3000	52.7	75.3	82.0	84.0	84.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	53.7	79.7	83.7	85.7	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	54.7	82.7	87.3	89.3	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	55.7	83.7	87.7	89.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	55.7	83.7	87.7	89.7	91.7	92.7	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	55.7	83.3	86.7	91.3	91.3	93.3	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	55.0	84.7	89.0	91.7	93.0	95.0	95.3	96.3	96.7	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	55.0	84.3	89.3	92.0	93.3	95.7	96.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	55.0	84.3	89.3	92.0	93.3	95.7	96.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	55.7	84.3	89.3	92.0	93.3	95.7	96.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	55.7	84.7	89.7	92.3	93.7	96.0	96.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 500	55.0	85.0	90.0	92.7	94.0	97.0	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	55.0	85.0	90.0	92.7	94.0	97.0	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	55.0	85.0	90.0	92.7	94.0	97.0	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	55.0	85.0	90.0	92.7	94.0	97.0	97.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	55.0	85.0	90.0	92.7	94.0	97.0	97.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	55.0	85.0	90.0	92.7	94.0	97.0	97.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

YEAR

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	61.7	54.7	57.7	47.3	41.7	60.0	52.7	41.7	35.7	53.3	54.3	54.3	53.3	48.3	54.3	54.3
≥ 20000	14.7	20.0	57.7	44.3	65.7	45.7	65.7	45.7	65.7	65.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 18000	14.7	20.0	63.7	44.3	65.7	45.7	65.7	45.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 16000	14.7	20.0	63.7	44.3	65.7	45.7	65.7	45.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 14000	14.7	20.0	64.3	45.0	66.3	46.3	66.7	46.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 12000	14.7	20.0	65.7	47.3	67.3	48.7	69.3	49.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 10000	14.7	20.0	66.3	48.7	68.7	49.7	70.3	50.3	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 9000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1800	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1500	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1200	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1000	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 900	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 800	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 700	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 500	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 400	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 300	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 200	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 100	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 0	14.7	20.0	66.3	49.0	69.0	50.3	70.7	50.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME
ASHEVILLE, NC

YEAR
1954

MONTH
SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L & 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	47.7	56.3	57.7	62.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 20000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
18000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
16000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
14000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
12000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
10000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
9000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
8000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
7000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
6000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
5000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
4500	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
4000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
3500	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
3000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2500	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1800	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1500	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1200	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
1000	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
900	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
800	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
700	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
600	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
500	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
400	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
300	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
200	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
100	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
0	47.7	54.7	66.7	67.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

CLAVIC, IL

STATION NAME

73-87

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOUSE I L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0			
NO CEILING	45.7	49.8	52.4	54.0	55.1	55.3	55.8	55.9	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	42.1	53.4	56.6	58.3	59.7	60.0	60.6	60.7	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 18000	42.1	53.8	56.6	58.3	59.8	60.0	60.6	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 16000	42.1	53.8	56.6	58.3	59.8	60.0	60.6	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 14000	42.3	54.1	56.9	58.6	60.0	60.4	61.0	61.1	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 12000	42.3	55.7	58.2	59.0	61.5	61.8	62.4	62.5	62.5	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	42.3	55.1	61.2	63.3	64.2	65.1	65.8	65.9	65.7	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 9000	42.3	58.5	61.7	63.3	65.3	65.7	66.3	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 8000	47.3	62.1	65.5	67.8	69.5	69.8	70.5	70.6	70.4	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	46.9	62.4	67.0	69.4	71.0	71.4	72.0	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 6000	46.9	64.7	67.5	70.0	71.5	72.0	72.7	72.8	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	46.3	65.5	67.4	71.9	73.7	74.1	74.9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500	46.3	66.6	72.5	73.3	75.5	75.5	76.3	76.5	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 4000	46.3	66.6	72.5	75.3	77.5	78.1	79.5	79.3	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3500	3.5	69.7	74.3	77.2	79.5	80.1	81.1	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3000	3.5	72.9	77.5	80.6	83.1	83.8	84.8	85.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2500	3.5	74.6	79.4	82.5	85.1	85.7	86.8	87.1	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	57.2	76.4	81.4	84.9	87.6	88.3	89.4	89.8	89.4	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1800	57.2	76.4	81.9	85.5	88.2	88.9	89.2	89.3	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1600	57.2	77.6	82.8	86.5	89.3	90.0	91.2	91.7	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1500	57.2	78.3	83.6	87.5	90.4	91.1	92.3	92.8	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	48.4	78.2	84.5	84.6	91.8	92.5	93.9	94.4	94.5	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	48.4	79.1	84.8	89.0	92.0	93.1	94.5	95.1	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	48.4	79.2	85.7	89.3	92.8	93.8	95.3	95.9	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 700	48.4	79.3	85.2	89.5	91.7	94.1	95.7	96.3	96.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	48.4	79.4	85.3	89.7	93.1	94.3	96.0	96.7	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500	48.4	79.5	85.5	89.9	93.5	94.8	96.7	97.5	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	48.4	79.5	85.6	90.0	93.6	95.0	97.0	97.9	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 300	48.4	79.5	85.6	91.0	93.8	95.1	97.1	98.2	98.3	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3
IV 200	48.4	79.5	85.6	91.0	93.8	95.1	97.2	98.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	48.4	79.5	85.6	91.0	93.8	95.1	97.2	98.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	48.4	79.5	85.6	91.0	93.8	95.1	97.2	98.3	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-55
STATION

ASHEVILLE, NC

STATION NAME

73-35

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

50
HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	41.7	41.7	53.2	55.2	56.3	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	44.5	44.5	56.1	58.1	59.0	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
18000	44.5	54.3	56.1	58.1	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
16000	44.5	54.3	56.1	58.1	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
14000	44.5	54.3	56.1	58.1	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
12000	44.5	56.1	57.4	59.7	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
10000	47.7	60.0	61.6	63.9	65.8	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
9000	47.7	60.0	61.6	64.2	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
8000	50.0	63.9	65.8	68.4	70.3	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
7000	51.7	66.1	68.1	70.7	72.6	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
6000	53.2	67.7	70.0	72.6	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
5000	55.0	70.7	72.9	75.5	77.7	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
4500	57.1	72.6	74.9	77.4	79.7	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
4000	58.7	75.5	77.7	80.3	82.9	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
3500	60.0	78.4	80.3	81.3	84.2	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
3000	61.6	79.7	81.6	84.8	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2500	63.9	81.6	83.3	85.5	88.4	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2000	65.8	82.6	85.8	89.0	91.6	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1800	67.7	83.2	86.5	89.7	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1500	69.7	83.6	87.1	90.3	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
1200	71.0	84.2	87.7	91.0	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
1000	72.6	84.8	88.4	91.6	95.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
900	74.5	84.8	88.4	91.6	95.2	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
800	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
700	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
600	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
400	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
300	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
200	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
100	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
0	74.5	85.2	88.7	92.3	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC

YEAR: 1957

MONTH: 01

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	51.1	51.3	55.9	54.2	55.5	55.3	56.6	57.3	57.4	58.1	58.4	58.4	59.4	59.4	59.4	59.4
IV 20000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 18000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 16000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 14000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 12000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 10000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 9000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 8000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 7000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 6000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 5000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 4500	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 4000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 3500	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 3000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 2500	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 2000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 1800	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 1500	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 1200	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 1000	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 900	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 800	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 700	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 600	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 500	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 400	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 300	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 200	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 100	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3
IV 0	51.7	54.7	55.9	57.1	58.4	58.7	57.7	60.0	60.7	61.0	61.7	61.3	61.3	61.3	61.3	61.3

TOTAL NUMBER OF OBSERVATIONS: 81

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEAR: 1950 MONTH: SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

31
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	37.1	42.4	41.1	48.1	51.0	51.9	52.3	52.9	52.9	53.6	54.2	54.2	54.7	54.7	54.2	54.5
≥ 20000	37.1	43.6	47.7	51.0	52.9	53.9	54.2	54.8	54.7	55.8	56.5	56.5	56.5	56.5	56.5	56.8
IV 18000	37.1	43.6	47.7	51.0	52.9	53.9	54.2	54.8	54.7	55.8	56.5	56.5	56.5	56.5	56.5	56.8
IV 16000	37.1	43.6	47.7	51.0	52.9	53.9	54.2	54.8	54.7	55.8	56.5	56.5	56.5	56.5	56.5	56.8
IV 14000	37.1	43.6	47.7	51.0	52.9	53.9	54.2	54.8	54.7	55.8	56.5	56.5	56.5	56.5	56.5	56.8
IV 12000	37.1	43.6	47.7	51.0	52.9	53.9	54.2	54.8	54.7	55.8	56.5	56.5	56.5	56.5	56.5	56.8
IV 10000	40.3	47.7	52.9	54.8	59.1	59.0	59.4	60.0	60.0	61.0	61.6	61.6	61.6	61.6	61.6	61.9
IV 9000	40.3	47.7	52.9	54.8	59.1	59.0	59.4	60.0	60.0	61.0	61.6	61.6	61.6	61.6	61.6	61.9
IV 8000	40.3	47.7	52.9	54.8	59.1	59.0	59.4	60.0	60.0	61.0	61.6	61.6	61.6	61.6	61.6	61.9
IV 7000	40.3	47.7	52.9	54.8	59.1	59.0	59.4	60.0	60.0	61.0	61.6	61.6	61.6	61.6	61.6	61.9
IV 6000	47.1	56.8	62.8	64.8	69.7	70.7	70.7	71.0	71.0	71.9	72.4	72.6	72.6	72.6	72.6	72.9
IV 5000	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 4500	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 4000	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 3500	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 3000	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 2500	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 2000	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 1800	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 1500	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 1200	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 1000	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 900	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 800	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 700	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 600	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 500	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 400	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 300	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 200	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 100	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9
IV 0	47.1	57.1	62.9	65.5	69.7	70.7	71.0	71.6	71.6	72.6	73.6	73.6	73.6	73.6	73.6	73.9

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

IL

STATION NAME

70-2

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0	
NO CEILING	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 20000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 18000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 16000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 14000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 12000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 10000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 9000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 8000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 7000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 6000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 5000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 4500	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 4000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 3500	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 3000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 2500	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 2000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 1800	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 1500	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 1200	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 1000	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 900	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 800	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 700	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 600	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 500	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 400	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 300	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 200	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 100	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0
IV 0	100.0	93.8	87.3	80.5	73.8	67.0	60.4	54.7	49.0	44.5	40.8	37.2	34.8	32.0	30.0	28.0	26.0

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	37.4	45.7	48.5	40.5	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 20000	37.4	45.7	51.6	51.9	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 18000	37.4	51.9	51.9	52.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 16000	37.4	51.9	51.9	52.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 14000	37.4	51.9	52.6	52.6	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	37.4	53.2	54.2	54.8	55.3	55.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	41.7	57.4	55.7	59.4	60.7	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	42.7	59.1	59.4	61.7	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 8000	43.7	61.9	61.9	63.8	64.4	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 7000	45.7	61.9	63.7	64.2	65.5	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000	46.7	61.9	64.2	64.2	65.1	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 5000	46.7	64.2	65.7	67.4	69.7	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	47.4	64.2	67.4	68.1	69.4	71.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	47.4	65.1	67.7	69.4	71.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	47.4	67.4	70.7	70.7	72.3	73.2	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000	47.4	70.7	70.7	70.7	71.9	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 2500	47.4	70.7	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 2000	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1800	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1500	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1200	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 1000	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 900	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 800	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 700	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 600	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 500	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 400	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 300	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 200	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 100	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 0	47.4	71.9	72.3	72.3	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2

TOTAL NUMBER OF OBSERVATIONS: 71

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

DATE

STATION NAME

YEAR

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS

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

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEARS: _____ MONTH: _____ HOURS: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	7.1	4.1	3.1	2.1	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1
IV 20000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 18000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 16000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 14000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 12000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 10000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 9000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 8000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 7000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 6000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 5000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 4500	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 4000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 3500	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 3000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 2500	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 2000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 1800	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 1500	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 1200	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 1000	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 900	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 800	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 700	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 600	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 500	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 400	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 300	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 200	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 100	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
IV 0	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TOTAL NUMBER OF OBSERVATIONS: _____

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: STATION: YEARS: MONTH: HOURS IN YEAR:

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	44.2	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
IV 20000	44.2	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
IV 18000	44.2	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
IV 16000	44.2	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
IV 14000	44.2	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
IV 12000	44.2	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
IV 10000	44.2	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
IV 9000	44.2	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
IV 8000	44.2	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
IV 7000	44.2	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
IV 6000	44.2	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
IV 5000	44.2	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
IV 4500	44.2	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
IV 4000	44.2	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
IV 3500	44.2	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
IV 3000	44.2	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
IV 2500	44.2	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
IV 2000	44.2	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
IV 1800	44.2	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
IV 1500	44.2	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
IV 1200	44.2	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
IV 1000	44.2	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
IV 900	44.2	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
IV 800	44.2	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
IV 700	44.2	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
IV 600	44.2	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
IV 500	44.2	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
IV 400	44.2	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
IV 300	44.2	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
IV 200	44.2	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
IV 100	44.2	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
IV 0	44.2	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

TOTAL NUMBER OF OBSERVATIONS: 317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1957 MONTH: NOV
 STATION NAME: ASHEVILLE, NC YEARS: 1957 MONTH: NOV
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) HOURS: ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 20000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 18000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 16000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 14000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 12000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 10000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 9000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 8000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 7000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 6000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 5000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 3000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 2500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 2000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1800	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1200	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 1000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 900	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 800	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 700	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 600	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 500	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 400	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 300	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 200	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 100	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1

TOTAL NUMBER OF OBSERVATIONS 2400

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC YEAR: 1954 MONTH: MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENT
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	≥ 0
NO CEILING	33.6	41.7	41.7	41.7	41.7	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	44.7	44.7	44.7	44.7	44.7	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000	44.7	44.7	44.7	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 16000	44.7	44.7	44.7	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 14000	44.7	44.7	44.7	45.3	45.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 12000	44.7	44.7	44.7	45.3	46.0	46.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 10000	44.7	44.7	44.7	45.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 9000	44.7	44.7	44.7	45.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 8000	44.7	45.3	45.3	50.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 7000	44.7	46.0	46.0	50.7	58.3	58.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 6000	44.7	47.0	47.0	50.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 5000	44.7	48.3	48.3	50.7	61.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4500	44.7	48.3	48.3	50.7	63.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4000	44.7	48.3	48.3	50.7	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500	44.7	48.3	48.3	50.7	68.7	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 3000	44.7	48.3	48.3	50.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 2500	44.7	48.3	48.3	50.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 2000	44.7	48.3	48.3	50.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1800	44.7	48.3	48.3	50.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1500	44.7	48.3	48.3	50.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1200	44.7	48.3	48.3	50.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1000	44.7	48.3	48.3	50.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 900	44.7	48.3	48.3	50.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 800	44.7	48.3	48.3	50.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 700	44.7	48.3	48.3	50.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 600	44.7	48.3	48.3	50.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 500	44.7	48.3	48.3	50.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 400	44.7	48.3	48.3	50.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 300	44.7	48.3	48.3	50.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 200	44.7	48.3	48.3	50.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 100	44.7	48.3	48.3	50.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 0	44.7	48.3	48.3	50.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

STATION NAME

1955

YEARS

NO.

07

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	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	70.7	76.3	41.7	41.3	47.7	42.7	43.0	47.0	43.7	43.3	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	75.0	42.7	43.7	44.7	46.7	46.0	45.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 16000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 14000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 10000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 9000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 8000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 7000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 6000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 5000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 4500	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 4000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 3500	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 3000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 2500	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 2000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 1800	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 1500	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 1200	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 1000	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 900	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 800	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 700	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 600	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 500	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 400	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 300	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 200	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 100	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3
IV 0	75.0	42.7	43.7	44.7	46.7	46.0	46.7	46.7	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3

TOTAL NUMBER OF OBSERVATIONS

370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, NC

72-00

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

76
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 20000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 18000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 16000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 14000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 12000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 10000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 9000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 8000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 7000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 6000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 5000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 4500	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 4000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 3500	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 3000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 2500	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 2000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 1800	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 1500	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 1200	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 1000	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 900	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 800	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 700	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 600	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 500	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 400	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 300	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 200	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 100	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 0	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7

TOTAL NUMBER OF OBSERVATIONS 76

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

ASHEVILLE, IL

STATION NAME

YEAR

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS IN YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
NO CEILING	36.7	33.7	37.7	37.7	37.3	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 20000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 18000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 16000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 14000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 12000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 10000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 9000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 8000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 7000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 6000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 5000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 4500	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 4000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 3500	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 3000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 2500	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 2000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1800	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1500	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1200	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 1000	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 900	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 800	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 700	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 600	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 500	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 400	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 300	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 200	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 100	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 0	37.3	36.7	41.7	42.0	44.0	44.7	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-77

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 20000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 18000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 16000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 14000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 12000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 10000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 9000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 8000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 7000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 6000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 5000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 4500	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 4000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 3500	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 3000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 2500	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 2000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1800	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1600	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1500	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1200	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 1000	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 900	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 800	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 700	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 600	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 500	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 400	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 300	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 200	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 100	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 0	34.7	43.3	44.7	44.7	46.7	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0

TOTAL NUMBER OF OBSERVATIONS 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 150116, II

73-74

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	34.7	41.7	41.7	41.3	42.7	42.3	43.7	43.0	43.7	43.0	43.0	43.0	43.0	43.0	43.0	43.7
IV 18000	34.7	41.7	41.3	41.3	42.7	42.3	43.7	43.0	43.7	43.0	43.0	43.0	43.0	43.0	43.0	43.7
IV 16000	34.7	41.7	41.3	41.3	42.7	42.3	43.7	43.0	43.7	43.0	43.0	43.0	43.0	43.0	43.0	43.7
IV 14000	34.7	41.7	41.3	41.3	42.7	42.3	43.7	43.0	43.7	43.0	43.0	43.0	43.0	43.0	43.0	43.7
IV 12000	34.7	43.0	43.7	43.7	44.7	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 10000	34.7	45.7	45.7	45.7	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 9000	34.7	46.7	46.7	46.7	47.7	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 8000	34.7	49.3	51.0	51.0	52.0	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 7000	34.7	51.7	51.7	53.7	54.7	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 6000	41.7	52.7	54.3	54.3	55.3	55.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 5000	41.7	53.3	55.3	55.3	56.3	56.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 4500	41.7	53.3	56.0	56.0	57.7	57.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4000	42.3	54.7	57.0	57.7	58.7	59.0	60.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 3500	45.7	57.3	60.3	61.0	62.7	62.3	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 3000	45.3	53.3	56.0	56.7	62.0	63.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 2500	50.7	67.7	70.3	71.0	72.3	72.7	73.7	73.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	50.7	72.0	75.3	76.7	78.3	78.7	79.7	79.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	55.3	72.3	75.7	77.0	79.7	79.0	80.0	80.3	81.7	81.0	81.3	81.7	81.7	81.7	81.7	81.7
IV 1500	56.3	75.7	79.0	81.0	83.7	83.7	85.0	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	56.7	78.7	81.7	83.7	86.3	86.7	89.3	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1000	56.7	81.0	83.7	87.0	89.7	90.3	92.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 900	56.7	83.3	84.7	87.7	91.0	91.7	93.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	56.7	80.7	84.3	88.3	92.3	93.0	95.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	56.7	80.7	84.3	88.3	92.3	93.3	95.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	56.7	80.7	84.3	88.3	92.3	93.3	95.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	56.7	80.7	84.3	88.3	92.3	93.3	95.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	56.7	80.7	84.3	88.3	92.3	93.3	95.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	56.7	80.7	84.7	88.3	93.3	93.3	95.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	56.7	80.7	84.3	88.3	92.3	93.3	96.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	56.7	80.7	84.3	88.3	92.3	93.3	96.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	56.7	80.7	84.3	88.3	92.3	93.3	96.0	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.7	37.3	38.3	38.7	39.3	39.7	40.3	40.7	41.3	41.7	42.3	42.7	43.3	43.7	44.3	44.7
IV 20000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 18000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 16000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 14000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 12000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 10000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 9000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 8000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 7000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 6000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 5000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 4500	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 4000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 3500	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 3000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 2500	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 2000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 1800	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 1500	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 1200	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 1000	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 900	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 800	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 700	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 600	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 500	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 400	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 300	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 200	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 100	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7
IV 0	42.0	42.7	43.3	43.7	44.3	44.7	45.3	45.7	46.3	46.7	47.3	47.7	48.3	48.7	49.3	49.7

TOTAL NUMBER OF OBSERVATIONS 13

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 20000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 18000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 16000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 14000	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 12000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 10000	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 9000	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 8000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 7000	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	54.7	54.7
IV 6000	55.7	55.7	55.7	55.7	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 5000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 4500	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
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	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 3000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1500	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	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	90.0
IV 1000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 400	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 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
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 100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE, NC YEARS: 1951-1952 MONTH: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
≥ 20000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 18000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 16000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 14000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 12000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 10000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 9000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 8000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 7000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 6000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 5000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 4500	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 4000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 3500	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 3000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 2500	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 2000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 1800	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 1500	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 1200	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 1000	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 900	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 800	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 700	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 600	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 500	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 400	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 300	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 200	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 100	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5
IV 0	2.7	41.2	42.7	43.4	44.1	44.6	44.8	44.8	44.8	44.7	44.7	44.6	44.5	44.5	44.5

TOTAL NUMBER OF OBSERVATIONS 7420

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 11 700, 70 STATION NAME: YEARS: 66 NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS: 16.5

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	34.7	37.0	37.1	36.1	35.1	34.1	33.2	32.2	31.2	30.2	29.2	28.2	27.2	26.2	25.2	24.2
IV 20000	34.7	37.0	37.1	36.1	35.1	34.1	33.2	32.2	31.2	30.2	29.2	28.2	27.2	26.2	25.2	24.2
IV 18000	34.7	37.0	37.1	36.1	35.1	34.1	33.2	32.2	31.2	30.2	29.2	28.2	27.2	26.2	25.2	24.2
IV 16000	34.7	37.0	37.1	36.1	35.1	34.1	33.2	32.2	31.2	30.2	29.2	28.2	27.2	26.2	25.2	24.2
IV 14000	34.7	37.0	37.1	36.1	35.1	34.1	33.2	32.2	31.2	30.2	29.2	28.2	27.2	26.2	25.2	24.2
IV 12000	34.7	37.0	37.1	36.1	35.1	34.1	33.2	32.2	31.2	30.2	29.2	28.2	27.2	26.2	25.2	24.2
IV 10000	42.1	44.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 9000	42.1	44.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 8000	47.1	48.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 7000	47.1	48.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 6000	47.1	48.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 5000	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	51.6
IV 4500	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	51.6
IV 4000	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
IV 3500	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
IV 3000	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
IV 2500	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
IV 2000	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
IV 1800	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
IV 1500	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
IV 1200	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
IV 1000	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
IV 900	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
IV 800	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
IV 700	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
IV 600	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
IV 500	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
IV 400	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
IV 300	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
IV 200	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
IV 100	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
IV 0	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

TOTAL NUMBER OF OBSERVATIONS 311

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 20000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 18000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 16000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 14000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 12000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 10000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 9000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 8000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 7000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 6000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 5000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 4500	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 4000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 3500	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 3000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 2500	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 2000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 1800	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 1500	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 1200	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 1000	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 900	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 800	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 700	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 600	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 500	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 400	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 300	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 200	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 100	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
IV 0	77.1	57.7	47.4	37.1	26.8	16.5	6.2	1.9	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	0.3	0.1	0.3	0.5	0.7	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 20000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
18000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
9000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4500	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3500	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2500	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1800	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1500	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1200	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
1000	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
900	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
800	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
700	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
600	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
500	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
400	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
300	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
200	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0	0.2	0.1	0.2	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: 111111 STATION NAME: ASHEVILLE YEAR: 1961 MONTH: 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LIST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	28.0	38.0	38.7	31.0	21.0	19.3	20.7	20.3	20.5	20.3	17.7	17.0	20.3	20.3	17.0
≥ 20000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 18000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 16000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 14000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 12000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 10000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 9000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 8000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 7000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 6000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 5000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 4500	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 4000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 3500	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 3000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 2500	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 2000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 1800	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 1500	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 1200	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 1000	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 900	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 800	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 700	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 600	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 500	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 400	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 300	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 200	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 100	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0
IV 0	7.7	31.0	37.0	37.0	34.0	24.0	25.0	26.0	26.0	3.0	35.0	35.0	3.0	35.0	35.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 111111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEARS: _____ MONTHS: _____

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
NO CEILING	70.0	71.7	71.0	70.7	70.0	70.0	69.3	68.5	67.7	67.0	66.3	65.5	64.7	64.0
≥ 20000	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 18000	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 16000	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 14000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 12000	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 10000	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 9000	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 8000	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 7000	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	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	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 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
IV 4000	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 3500	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 3000	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 2500	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 2000	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 1800	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 1500	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 1200	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 1000	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 900	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 800	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 700	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 600	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 500	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 400	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 300	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 200	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 100	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 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

TOTAL NUMBER OF OBSERVATIONS: 710

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC STATION NUMBER: 73-11 YEARS: 73-74 MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	5.0	7.5	34.8	74.8	34.8	19.9	34.8	74.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
IV 20000	5.0	7.5	4.0	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
IV 18000	5.0	7.5	4.0	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
IV 16000	5.0	7.5	4.0	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
IV 14000	5.0	7.5	4.0	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
IV 12000	5.0	7.5	4.0	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
IV 10000	5.0	7.5	4.0	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
IV 9000	5.0	7.5	4.0	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
IV 8000	5.0	7.5	4.0	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
IV 7000	5.0	7.5	4.0	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
IV 6000	5.0	7.5	4.0	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
IV 5000	5.0	7.5	4.0	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
IV 4500	5.0	7.5	4.0	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
IV 4000	5.0	7.5	4.0	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
IV 3500	5.0	7.5	4.0	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
IV 3000	5.0	7.5	4.0	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
IV 2500	5.0	7.5	4.0	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
IV 2000	5.0	7.5	4.0	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
IV 1800	5.0	7.5	4.0	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
IV 1500	5.0	7.5	4.0	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
IV 1200	5.0	7.5	4.0	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
IV 1000	5.0	7.5	4.0	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
IV 900	5.0	7.5	4.0	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
IV 800	5.0	7.5	4.0	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
IV 700	5.0	7.5	4.0	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
IV 600	5.0	7.5	4.0	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
IV 500	5.0	7.5	4.0	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
IV 400	5.0	7.5	4.0	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
IV 300	5.0	7.5	4.0	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
IV 200	5.0	7.5	4.0	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
IV 100	5.0	7.5	4.0	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
IV 0	5.0	7.5	4.0	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

TOTAL NUMBER OF OBSERVATIONS: 119

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION: ASHEVILLE, NC STATION NAME: ASHEVILLE YEAR: 1964 MONTH: DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 20000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 18000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 16000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 14000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 12000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 10000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 9000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 8000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 7000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 6000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 5000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 4500	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 4000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 3500	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 3000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 2500	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 2000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 1800	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 1500	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 1200	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 1000	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 900	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 800	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 700	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 600	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 500	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 400	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 300	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 200	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 100	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV IV 0	37.7	36.6	37.4	37.2	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9

TOTAL NUMBER OF OBSERVATIONS 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEAR: _____ MONTH: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 20000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 18000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 16000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 14000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 12000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 10000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 9000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 8000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 7000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 6000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 5000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 4500	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 4000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 3500	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 3000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 2500	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 2000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 1800	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 1500	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 1200	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 1000	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 900	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 800	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 700	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 600	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 500	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 400	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 300	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 200	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 100	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 0	74.6	34.6	30.7	25.6	35.6	70.5	25.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6

TOTAL NUMBER OF OBSERVATIONS: 309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

IL

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE
HOURS IN YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	27.5	32.4	34.0	34.6	34.7	35.0	35.7	36.7	37.9	39.1	39.1	39.1	39.1	39.1	39.1
IV 20000	27.5	32.4	37.7	38.3	38.6	38.9	38.9	38.9	38.9	39.0	39.0	39.1	39.1	39.1	39.1
IV 18000	27.5	35.4	37.7	38.3	38.6	38.9	38.9	38.9	38.9	39.0	39.0	39.1	39.1	39.1	39.1
IV 16000	27.5	36.4	37.7	38.3	38.6	38.9	38.9	38.9	38.9	39.0	39.0	39.1	39.1	39.1	39.1
IV 14000	27.5	36.4	35.1	35.6	35.9	36.2	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5
IV 12000	27.5	35.7	34.5	34.9	35.3	35.5	35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8
IV 10000	27.5	41.6	42.9	43.7	44.2	44.4	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7
IV 9000	27.5	41.6	42.9	43.7	44.2	44.4	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7
IV 8000	27.5	45.2	46.8	47.5	48.1	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
IV 7000	27.5	46.7	47.7	48.5	49.1	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6
IV 6000	27.5	46.7	48.6	49.4	50.1	50.3	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6
IV 5000	27.5	48.5	50.2	51.0	51.7	51.9	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3
IV 4500	27.5	48.5	51.7	51.9	52.6	52.8	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2
IV 4000	27.5	48.5	52.7	53.6	54.5	54.8	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1
IV 3500	27.5	53.3	55.5	56.8	57.8	58.1	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3000	27.5	57.1	59.6	61.1	62.4	62.7	63.0	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.2
IV 2500	27.5	60.0	62.8	64.5	65.7	66.2	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9
IV 2000	27.5	65.2	68.5	70.7	72.5	73.1	73.7	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1
IV 1800	27.5	65.2	69.3	71.6	73.5	74.1	74.7	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1
IV 1500	27.5	68.4	72.5	75.0	77.2	78.0	78.9	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2
IV 1200	27.5	71.2	74.3	77.6	79.6	81.5	82.5	82.7	82.7	83.0	83.1	83.1	83.1	83.1	83.1
IV 1000	27.5	71.3	75.1	79.6	82.9	83.9	85.2	85.6	85.7	86.1	86.2	86.2	86.2	86.2	86.2
IV 900	27.5	71.8	76.5	81.4	84.9	85.2	86.7	87.3	87.4	87.8	87.9	87.9	87.9	87.9	87.9
IV 800	27.5	71.9	77.7	81.6	84.8	86.1	87.9	88.5	88.5	89.1	89.3	89.4	89.5	89.5	89.5
IV 700	27.5	72.1	77.2	81.2	85.4	86.8	89.0	89.9	89.9	90.6	91.0	91.1	91.2	91.3	91.3
IV 600	27.5	72.3	77.4	81.7	86.1	87.8	90.4	91.5	91.7	92.7	93.1	93.2	93.5	93.5	93.5
IV 500	27.5	72.1	77.6	82.0	86.8	88.5	91.5	92.8	93.7	94.4	95.0	95.1	95.3	95.6	95.7
IV 400	27.5	72.1	77.7	82.1	87.1	89.1	92.2	93.6	93.9	95.4	96.2	96.3	96.8	96.8	96.8
IV 300	27.5	72.1	77.7	82.2	87.2	89.2	92.5	94.1	94.8	96.1	96.9	96.9	97.7	97.7	97.7
IV 200	27.5	72.1	77.7	82.2	87.2	89.2	92.6	94.4	94.8	96.5	97.5	97.6	98.6	98.7	98.7
IV 100	27.5	72.1	77.7	82.2	87.2	89.2	92.6	94.4	94.7	96.7	97.8	97.8	98.9	99.0	99.0
IV 0	27.5	72.1	77.7	82.2	87.2	89.2	92.6	94.4	94.7	96.7	97.8	97.8	98.9	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 2478

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1951-52 MONTH: ALL

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	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	47.0	43.4	40.7	41.4	47.7	47.4	47.7	47.9	47.9	47.9	47.7	47.9	47.9	47.9	47.7	43.0
≥ 20000	47.0	48.2	50.7	51.4	52.4	52.7	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.4
IVY 18000	47.0	48.7	51.7	51.6	52.5	52.8	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.5	53.5	53.5
IVY 16000	47.0	48.7	51.7	51.6	52.5	52.8	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.5	53.5	53.5
IVY 14000	47.0	48.8	51.7	51.9	52.9	53.2	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IVY 12000	47.0	48.3	51.7	53.2	54.2	54.5	54.8	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2
IVY 10000	47.0	48.3	51.7	53.2	54.2	54.5	54.8	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2
IVY 9000	47.0	48.3	51.7	53.2	54.2	54.5	54.8	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2
IVY 8000	47.0	47.4	61.4	62.0	63.3	63.3	64.2	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6
IVY 7000	47.0	47.7	61.6	63.3	64.4	65.1	65.6	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IVY 6000	47.0	47.7	61.6	63.3	64.4	65.1	65.6	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IVY 5000	47.0	48.1	64.2	65.9	67.0	68.2	68.5	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IVY 4500	47.0	48.7	65.2	67.3	68.5	69.1	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IVY 4000	47.0	48.7	67.1	69.5	70.7	71.3	71.3	71.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IVY 3500	47.0	48.5	67.7	71.1	72.9	73.6	74.1	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6
IVY 3000	47.0	48.7	72.5	74.7	76.9	77.5	78.2	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7
IVY 2500	47.0	70.7	74.3	77.2	77.9	78.2	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IVY 2000	47.0	73.3	77.6	80.3	82.7	83.6	84.5	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IVY 1800	47.0	75.1	79.2	80.9	83.4	84.4	85.2	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IVY 1500	47.0	75.3	80.1	83.0	85.0	86.8	87.6	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IVY 1200	47.0	76.3	81.2	84.4	87.0	88.4	89.5	90.1	90.1	90.4	90.5	90.6	90.6	90.6	90.6	90.6
IVY 1000	47.0	76.7	82.1	85.6	88.6	90.1	91.4	92.0	92.1	92.4	92.6	92.6	92.7	92.7	92.7	92.8
IVY 900	47.0	77.1	82.4	85.9	89.3	91.7	92.1	92.7	92.8	93.2	93.4	93.4	93.5	93.5	93.5	93.5
IVY 800	47.0	77.2	82.7	86.4	90.7	91.4	92.4	93.6	93.7	94.2	94.4	94.4	94.5	94.5	94.5	94.6
IVY 700	47.0	77.4	83.1	86.7	91.4	91.9	92.5	94.3	94.5	95.1	95.3	95.3	95.4	95.4	95.4	95.5
IVY 600	47.0	77.5	83.2	86.9	91.7	92.4	94.1	95.0	95.0	95.9	96.7	96.7	96.8	96.8	96.8	96.8
IVY 500	47.0	77.5	83.7	87.1	91.1	92.3	94.7	95.7	95.7	96.7	97.7	97.7	97.7	97.7	97.7	97.7
IVY 400	47.0	77.6	83.4	87.2	91.3	93.0	95.0	96.2	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IVY 300	47.0	77.5	83.4	87.3	91.3	93.1	95.2	96.4	96.5	97.7	98.7	98.7	98.6	98.6	98.7	98.8
IVY 200	47.0	77.6	83.4	87.3	91.4	93.1	95.2	96.5	96.7	97.9	98.5	98.5	98.8	98.8	98.8	98.8
IVY 100	47.0	77.5	83.4	87.3	91.4	93.1	95.2	96.5	96.7	97.9	98.6	98.6	98.8	98.8	98.8	98.8
IVY 0	47.0	77.6	83.4	87.3	91.4	93.1	95.2	96.5	96.7	97.9	98.6	98.6	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 9513

DIRNAVOCEANMET SMOS

1
3

SKY COVER

14655 GLENVIEW, IL STATION NAME

77-62 PERIOD

2016 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	31.7			22.0						20.7	25.7	6.1	100
	01	31.7			22.0						18.7	27.7	6.1	100
	02	17.7			20.7						24.7	22.7	6.2	100
	03	15.7			19.7						30.7	21.3	6.5	100
	04	12.0			21.7						29.7	26.7	7.0	100
	05	6.7			27.7						35.7	21.3	7.0	100
	06	14.7			24.3						20.7	31.3	6.5	100
	07	22.0			20.3						21.7	28.3	6.5	100
	08													
	09													
	10													
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	97													
	98													
	99													
	100													
TOTALS		17.4			27.3						26.5	30.5	6.1	2400

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AD A15D 396

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

414

UNCLASSIFIED

F/G 4/2

NI

END

DATE

FORMED

8 85

518



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



SKY COVER

14855 GLENVIEW, IL

73-82

ALL

STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	22.6			12.3						14.8	50.3	6.7	2482
FEB		19.4			15.8						16.5	48.4	6.8	2256
MAR		18.7			15.0						17.0	49.3	6.9	2480
APR		20.7			15.8						19.3	44.2	6.7	2400
MAY		20.9			20.6						21.3	37.2	6.2	2460
JUN		19.8			23.3						26.5	30.5	6.1	2400
JUL		24.0			27.0						24.6	24.5	5.5	2480
AUG		18.2			27.8						26.4	27.7	6.0	2480
SEP		24.8			25.4						21.9	27.9	5.5	2400
OCT		25.5			21.1						20.6	32.9	5.8	2480
NOV		19.0			16.0						16.9	48.2	6.8	2400
DEC		16.3			13.9						15.5	54.4	7.3	2478
TOTALS		20.8			19.5						20.1	39.6	6.4	29216

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WOCB, 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.

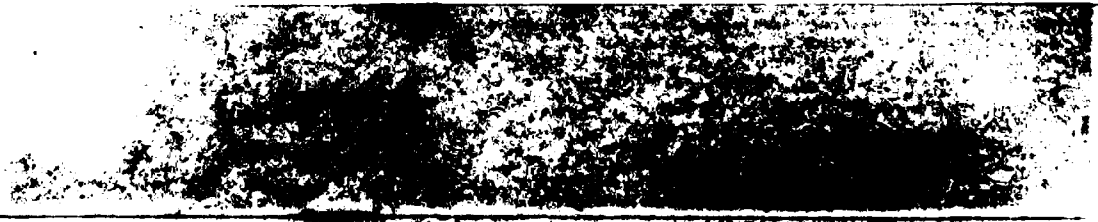
NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



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

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

- 4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
- 6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).



DAILY TEMPERATURES

1955 GLENVIEW, IL 45-67
 STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
100						.3	.4	.3	.2				.1
98						1.9	4.3	3.4	1.1				.0
96				.1	2.1	13.1	18.3	14.7	4.8				4.5
95				1.0	9.1	29.7	40.2	33.7	13.7	1.4			19.9
90			.1	4.3	20.3	47.5	65.8	57.0	28.2	6.5			19.5
75			1.0	9.3	33.1	65.4	85.4	81.3	45.2	14.8	.3		29.4
70		.1	2.9	20.1	46.0	79.7	96.1	94.3	65.1	26.0	2.5	.1	36.6
65	.1	.4	6.5	30.1	59.9	89.4	99.1	99.3	83.8	42.5	7.7	.4	43.7
60	.5	1.2	11.8	41.5	73.5	95.7	100.0	100.0	94.5	60.1	15.6	2.5	50.2
55	1.9	3.3	18.2	54.1	84.7	98.9			99.1	76.5	27.1	5.7	56.3
50	4.0	7.8	28.2	67.9	94.5	99.8			99.9	90.0	41.0	9.3	62.3
45	8.8	14.7	39.6	82.9	98.6	100.0			100.0	96.3	55.4	16.0	68.1
40	16.7	25.3	57.1	94.7	100.0					99.2	72.5	29.1	74.9
35	34.9	46.1	76.8	98.6						100.0	85.5	51.7	83.0
30	55.6	67.0	90.1	99.7							94.9	72.0	90.1
25	69.0	81.6	97.4	100.0							98.0	84.4	94.2
20	79.3	90.6	99.5								99.3	92.2	97.8
15	86.9	94.6	99.9								99.6	96.3	98.1
10	93.1	97.6	100.0								99.9	98.7	99.1
5	96.8	99.2									100.0	99.7	99.6
0	99.4	99.9										100.0	99.9
5-	99.7	100.0											100.0
10-	100.0												100.0
MEAN	29.3	33.5	43.4	57.1	68.1	78.2	82.4	81.2	73.7	62.7	47.0	34.8	57.6
S.D.	12.226	10.948	12.037	12.457	11.910	9.908	7.382	7.419	9.233	10.501	11.591	11.022	21.570
TOTAL OBS.	1147	1036	1115	1110	1177	1140	1178	1147	1090	1147	1106	1177	13570

NAVWEASERVCOM



DAILY TEMPERATURES

14 55
STATION

GLEBEVIEW, IL
STATION NAME

45-87
YEARS

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0							.1						.0
5						1.3	2.8	2.6	.2				.6
10				.1	1.1	8.0	17.2	14.5	4.1	.3			7.9
15				.5	5.1	24.4	48.0	44.1	14.2	1.8			11.7
20				2.9	11.9	45.1	78.9	73.5	32.9	5.5	.1		21.2
25			.3	5.0	21.5	67.1	94.4	91.1	53.0	14.6	1.9	.3	29.5
30			1.3	11.1	40.4	88.2	99.6	98.5	75.5	27.8	5.4	.6	37.8
35	.3	.3	4.3	23.2	64.9	87.5	99.9	100.0	90.6	47.4	11.2	1.6	47.6
40	.8	1.4	9.9	44.1	86.3	99.5	100.0		97.7	69.7	22.5	3.4	57.4
45	3.9	5.5	21.4	68.7	97.5	99.8			99.6	86.5	38.5	9.0	61.3
50	13.0	20.3	47.3	89.1	99.9	100.0			100.0	96.4	63.5	25.5	71.6
55	28.0	36.8	67.3	97.2	100.0					99.4	79.0	43.2	79.5
60	40.6	53.7	81.5	99.4						100.0	90.3	60.0	85.6
65	52.4	65.0	91.0	99.9							95.3	71.2	90.7
70	63.0	76.1	96.9	100.0							98.1	83.4	93.2
75	73.7	85.3	98.7								99.0	90.1	95.6
80	84.3	91.8	99.6								99.5	95.1	97.5
85	92.6	97.1	99.9								100.0	98.2	99.0
90	96.9	99.5	100.0									99.6	99.7
95	99.0	99.9										100.0	99.9
100	99.9	100.0											100.0
105	100.0												100.0
110													
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300													
MEAN	14.9	17.6	28.0	39.0	48.4	54.5	64.1	63.2	55.4	44.4	32.3	21.2	43.6
S.D.	13.344	11.734	9.548	8.536	8.382	7.624	5.725	6.080	8.076	8.907	10.327	11.743	19.431
TOTAL OBS.	1147	1036	1115	1115	1177	1140	1178	1147	1090	1147	1106	1177	13570

NAVWEASERVCOM



DAILY TEMPERATURES

14 55
STATION

GLENVIEW, IL
STATION NAME

45-30
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
30						.1	.1						.2
35						.9	3.2	2.9	.4				.6
40					1.5	9.5	16.0	12.3	3.7				3.6
45				.6	4.9	27.5	45.0	38.1	13.3	1.2			11.1
50				2.3	15.1	47.4	72.9	67.7	28.5	4.9			20.2
55			.2	6.1	27.2	68.7	93.5	89.3	50.4	13.1	.6		29.5
60			1.6	14.6	42.8	84.0	99.2	98.8	73.6	26.2	3.4	.2	37.5
65		.2	4.8	27.6	63.4	95.7	100.0	100.0	90.4	46.6	8.6	.8	45.3
70	.6	1.1	10.8	42.5	80.4	99.5			97.9	66.4	18.3	3.0	52.2
75	1.7	3.3	18.1	60.5	93.6	99.8			99.8	84.3	31.3	5.6	59.7
80	5.3	9.6	33.7	80.1	99.1	100.0			100.0	95.2	51.1	12.2	65.9
85	14.3	22.6	52.9	94.7	100.0					99.1	70.2	26.7	73.7
90	30.7	42.8	74.7	98.6						99.9	85.2	48.4	91.9
95	47.5	59.9	87.9	99.6						100.0	93.5	67.3	98.1
100	61.2	73.8	95.5	100.0							97.2	80.0	92.4
105	72.1	84.2	98.7								98.7	88.9	95.3
110	82.5	92.8	99.8								99.6	93.5	97.4
115	89.9	96.4	99.9								99.8	97.9	98.7
120	95.1	98.5	100.0								100.0	99.3	99.4
125	98.6	100.0										99.9	99.9
130	99.6											100.0	100.0
135	100.0												100.0
MEAN	72.1	76.3	86.0	98.3	98.5	98.6	93.5	92.4	84.8	53.8	39.9	28.3	49.4
S.D.	12.357	10.941	10.170	9.863	9.533	8.260	5.959	6.188	8.011	9.069	10.478	10.914	20.220
TOTAL OBS.	1147	1036	1115	1110	1177	1140	1178	1147	1090	1147	1106	1177	13570

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1 55

LEWIS, IL

1946-1982

JANUARY

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	23.	-4.7	29.9	-1.2	47	8.9	1950	17.4	-8.1	-11	-23.9	1968
2	23.1	-3.8	31.1	-0.5	50	15.0	1950	19.1	-7.2	-13	-25.0	1979
3	23.2	-4.6	30.9	-0.6	59	15.0	1950	16.6	-8.6	-11	-23.9	1979
4	20.3	-6.5	27.2	-2.7	46	7.8	1946	13.4	-10.3	-7	-21.7	1981
5	22.4	-5.3	29.9	-1.2	54	12.2	1946	14.8	-9.6	-9	-22.2	1979
6	23.1	-4.9	30.1	-1.1	43	8.9	1965*	16.1	-8.8	-8	-22.2	1979
7	21.1	-6.1	27.9	-2.3	56	13.3	1965	14.3	-9.8	-12	-24.4	1968
8	21.3	-6.1	29.0	-1.7	61	16.1	1965	13.1	-10.5	-11	-23.9	1976
9	21.0	-6.1	27.8	-2.3	40	9.4	1972	14.1	-9.9	-7	-20.9	1982
10	20.7	-6.3	28.6	-1.9	60	15.6	1975	12.6	-10.8	-23	-30.6	1982
11	20.1	-6.6	28.2	-2.1	55	12.8	1980	11.9	-11.2	-12	-24.4	1979
12	21.7	-5.7	29.2	-1.6	57	14.4	1960	14.1	-9.9	-11	-23.0	1974
13	23.2	-4.6	31.4	-0.3	54	12.2	1961	16.2	-8.8	-6	-21.1	1963
14	23.2	-4.7	30.6	-0.8	53	11.7	1952	16.7	-8.5	-12	-24.4	1979
15	22.1	-5.5	30.1	-1.1	57	15.0	1949	14.1	-9.9	-16	-26.7	1979
16	19.4	-6.9	27.5	-2.9	56	13.3	1949	11.6	-11.3	-10	-25.9	1982
17	20.1	-6.6	27.8	-2.3	57	14.4	1973	12.5	-10.8	-18	-27.8	1982
18	22.7	-5.1	30.5	-0.8	50	13.3	1973	15.1	-9.4	-11	-23.9	1967
19	27.2	-4.6	31.5	-0.3	51	10.6	1973	16.1	-8.8	-6	-21.1	1970
20	21.4	-4.8	31.0	-0.6	46	7.8	1967	15.7	-9.1	-9	-22.8	1963
21	23.2	-4.6	30.4	-0.9	56	13.3	1957	17.1	-8.3	-15	-26.1	1963
22	22.7	-5.0	30.8	-0.7	55	12.9	1967*	15.2	-9.3	-10	-23.3	1970
23	22.3	-5.4	30.4	-0.9	67	15.6	1967	14.2	-9.9	-13	-27.8	1963
24	24.2	-4.3	32.5	0.3	64	17.8	1967*	15.9	-8.9	-12	-24.4	1963
25	24.5	-4.2	32.2	0.1	67	19.4	1950	16.9	-8.4	-7	-21.7	1963
26	21.2	-5.8	29.0	-1.7	59	15.0	1973	14.0	-10.0	-9	-22.8	1982
27	19.9	-6.9	26.6	-3.0	40	8.9	1947	12.5	-10.8	-11	-23.9	1955
28	19.4	-7.0	27.2	-2.7	51	10.6	1970	11.5	-11.4	-16	-26.7	1977
29	18.9	-7.3	26.5	-3.1	51	10.6	1968	11.4	-11.4	-17	-27.2	1966
30	17.4	-7.8	25.9	-3.4	54	12.2	1974	9.9	-12.3	-20	-28.9	1951
31	17.9	-6.7	28.1	-2.7	50	10.0	1968	11.8	-11.2	-6	-21.1	1971
Monthly	21.7	-5.6	29.3	-1.5	67	19.4	1950	14.4	-9.8	-23	-30.6	1982

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1955

LEWIS, IL

1946-1982

FEBRUARY

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	11.0	-5.7	29.2	-1.6	55	12.8	1968	14.4	-9.6	-9	-22.9	1951
2	17.7	-6.7	27.4	-2.6	48	8.9	1973	11.7	-11.3	-16	-26.7	1951
3	22.4	-6.4	27.8	-2.3	45	7.2	1973	13.0	-10.6	-8	-22.2	1971
4	22.4	-5.3	31.3	-.4	53	11.7	1973	13.4	-10.3	-4	-20.0	1979*
5	21.7	-4.5	31.8	-.1	56	13.3	1946	16.0	-8.9	-10	-23.3	1979
6	23.1	-4.9	30.3	-.9	50	10.0	1964	15.9	-8.9	-14	-25.6	1982
7	21.7	-5.6	29.0	-1.7	47	8.9	1965	14.1	-9.9	-7	-21.7	1972*
8	22.3	-5.4	29.0	-1.7	52	11.1	1966	15.5	-9.2	-11	-23.9	1951
9	22.1	-5.1	30.6	-.8	56	13.3	1966	15.0	-9.4	-12	-24.4	1961
10	24.0	-4.4	32.0	.0	53	14.4	1976	16.1	-8.8	-13	-25.0	1982
11	23.1	-4.6	31.0	-.6	56	13.3	1977	16.6	-8.6	-8	-22.2	1955
12	24.4	-3.1	33.5	.8	55	12.8	1976	19.4	-7.0	-8	-22.2	1981*
13	24.4	-3.1	33.5	.8	50	10.0	1954	19.3	-7.1	-5	-20.6	1955
14	27.2	-2.7	34.4	1.3	50	15.0	1954	20.0	-6.7	0	-17.8	1963*
15	27.1	-2.7	34.5	1.4	66	18.9	1954	19.7	-6.8	-4	-20.0	1946
16	24.4	-3.1	33.7	.6	55	12.8	1981	19.8	-6.8	-7	-22.2	1956
17	27.2	-2.7	34.5	1.4	50	15.7	1981	19.9	-6.7	-8	-22.2	1958
18	22.3	-1.2	37.3	2.9	67	15.6	1961	22.3	-5.4	-3	-19.4	1958
19	27.6	-2.4	34.6	1.4	63	17.2	1981	20.6	-6.3	-3	-19.4	1979
20	27.1	-2.7	35.4	1.9	57	13.9	1954	18.7	-7.4	-3	-19.4	1966
21	27.3	-2.5	35.0	1.7	55	12.8	1961	20.0	-6.7	-7	-21.7	1963
22	27.8	-2.3	35.6	2.0	51	10.6	1981*	20.1	-6.6	-6	-21.1	1963
23	27.0	-1.1	36.6	2.6	61	16.1	1977	23.5	-4.7	5	-15.7	1967*
24	21.0	-.6	27.8	3.2	63	17.2	1976	24.3	-4.3	-6	-21.1	1967
25	24.3	-1.3	36.5	2.5	66	18.9	1976	22.7	-5.2	-7	-21.7	1967
26	24.3	-1.2	36.1	3.4	67	15.6	1976	21.5	-5.8	-1	-18.3	1963
27	30.0	-.8	38.0	3.3	72	22.2	1976	23.3	-4.8	1	-17.2	1950
28	21.0	-.6	38.6	3.7	57	13.9	1974*	23.5	-4.7	-1	-18.3	1962
29	22.9	-1.7	37.4	3.0	64	17.6	1972	20.3	-6.5	-2	-18.9	1980
30												
31												
Monthly	26.0	-3.3	33.9	.8	72	22.2	1976	18.6	-7.4	-16	-26.7	1951

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1. 55

FLENVIEW, IL

1946-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	38.6	-7.7	38.6	3.7	67	15.6	1972	23.0	-5.0	-9	-22.8	1962
2	38.1	-7.3	38.1	3.4	69	20.6	1974	24.6	-4.1	-1	-18.3	1950
3	40.6	-7.7	40.6	4.8	77	25.7	1974	25.9	-3.4	8	-13.3	1950
4	39.9	-7.2	39.9	4.4	58	14.4	1968	24.8	-4.0	4	-15.6	1978
5	38.0	-7.7	38.0	3.3	59	15.7	1946	23.7	-4.6	-1	-18.3	1978
6	39.4	-7.1	39.4	4.1	66	18.9	1951	24.8	-4.0	1	-17.2	1960
7	38.2	-7.4	38.2	3.4	64	17.8	1973	24.4	-4.2	4	-15.6	1960*
8	38.5	-7.6	38.5	3.6	68	20.0	1977	23.3	-4.8	2	-16.7	1982
9	38.9	-7.1	38.9	3.8	67	19.4	1977	24.8	-4.0	9	-12.8	1982
10	40.3	-7.7	40.3	4.6	69	20.6	1955	26.2	-3.2	7	-13.9	1948
11	41.5	-7.5	41.5	5.3	73	22.9	1972	27.8	-2.3	5	-15.0	1979*
12	42.9	-7.9	42.9	6.1	67	19.4	1977	27.9	-2.3	-2	-18.9	1948
13	41.6	-7.4	41.6	5.3	77	21.1	1957	27.4	-2.6	10	-12.2	1948
14	43.5	-7.3	43.5	6.4	72	22.2	1973	28.9	-1.7	11	-11.7	1960
15	43.0	-7.8	43.0	6.1	72	22.2	1977	27.5	-2.5	11	-11.7	1970
16	43.4	-7.9	43.4	6.3	64	17.8	1964	27.4	-2.6	16	-8.9	1970
17	43.2	-7.4	43.2	6.2	73	22.9	1966	26.0	-3.3	11	-11.7	1967
18	44.1	-7.4	44.1	6.7	72	22.2	1969	29.5	-1.9	10	-12.2	1965
19	44.9	-7.4	44.9	7.2	76	24.4	1976	31.3	-0.4	9	-12.8	1965
20	45.6	-7.2	45.6	7.6	71	21.7	1976	29.9	-1.2	4	-15.6	1965
21	45.8	-7.7	45.8	7.7	74	23.3	1953	30.4	-0.9	9	-12.8	1965
22	44.8	-7.1	44.8	7.1	62	16.7	1979	29.0	-1.7	16	-8.9	1979*
23	46.8	-8.2	46.8	8.2	69	20.6	1963	29.4	-1.4	14	-10.0	1965
24	44.5	-6.9	44.5	6.9	74	23.3	1959	29.5	-1.4	7	-13.9	1974
25	45.1	-7.3	45.1	7.3	75	23.9	1967	28.8	-1.8	9	-12.8	1960
26	46.5	-8.1	46.5	8.1	77	25.7	1976	30.6	-0.8	11	-11.7	1955
27	48.2	-9.0	48.2	9.0	74	23.3	1968	31.4	-0.3	6	-14.4	1965
28	49.9	-9.9	49.9	9.9	79	26.1	1968	33.4	.8	12	-11.1	1970
29	48.9	-9.4	48.9	9.4	77	26.1	1963	32.3	.2	15	-9.4	1969
30	49.8	-9.9	49.8	9.9	77	25.0	1967	31.6	-0.2	11	-11.7	1969*
31	57.9	-10.5	57.9	10.5	84	28.9	1981	34.3	1.3	12	-11.1	1969
Monthly	35.7	-2.1	43.4	6.3	84	28.9	1981	28.3	-2.2	-9	-22.8	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1955

LEWISVIEW, IL

1945-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	DATE	
1	43.1	6.6	52.6	11.4	83	28.3	1946	35.2	1.6	22	-5.6	1954
2	44.2	6.8	52.8	11.6	80	26.7	1963	35.6	2.0	22	-5.6	1961
3	42.3	5.7	50.7	10.4	80	26.7	1956	33.9	1.1	16	-8.9	1954
4	41.7	4.9	49.0	9.4	77	21.1	1981	32.6	.3	16	-8.9	1982
5	42.9	5.9	51.8	11.7	72	22.2	1956	33.4	.8	19	-7.2	1982
6	44.2	6.6	53.4	11.9	72	22.2	1956*	35.1	1.7	15	-9.4	1982
7	45.0	7.2	54.7	12.6	73	22.8	1978	35.3	1.8	11	-11.7	1982
8	42.4	5.8	50.5	10.3	78	25.6	1971	34.3	1.3	24	-4.4	1982*
9	43.2	6.2	52.0	11.1	76	24.4	1952*	34.4	1.3	24	-4.4	1974*
10	44.5	6.9	53.2	11.8	84	28.9	1977	35.9	2.2	23	-5.0	1960
11	46.3	7.9	54.5	12.5	84	28.9	1977	38.1	3.4	26	-3.3	1973*
12	47.2	8.4	56.6	13.7	88	31.1	1971	37.7	3.2	21	-6.1	1950
13	47.7	8.6	57.4	14.1	80	26.7	1977	38.3	3.5	20	-6.7	1950
14	47.7	8.9	56.9	13.8	81	27.2	1976	39.1	3.9	25	-3.9	1957
15	48.9	9.4	58.5	14.7	83	28.3	1976	39.3	4.1	28	-2.2	1962*
16	51.9	10.8	61.4	16.3	85	29.4	1976	41.6	5.3	25	-3.9	1962
17	52.0	11.1	62.6	17.7	86	30.0	1976	41.5	5.3	29	-1.7	1953
18	50.0	10.5	60.0	15.6	85	29.4	1977	41.8	5.4	27	-2.8	1953
19	50.4	10.2	59.6	15.3	82	27.8	1958	41.3	5.2	28	-2.2	1956
20	51.2	10.7	60.1	15.6	80	26.7	1974	42.2	5.7	27	-2.8	1956
21	53.3	11.6	63.1	17.3	81	27.2	1946	43.5	6.4	29	-1.7	1959
22	52.6	11.4	62.4	16.9	91	32.9	1980	42.8	6.0	30	-1.1	1959
23	51.6	10.9	61.7	16.1	86	30.0	1960	42.1	5.6	28	-2.2	1956
24	49.9	9.9	58.1	14.5	84	28.9	1960	41.8	5.4	28	-2.2	1967*
25	51.1	10.6	60.1	15.6	85	29.4	1962	42.2	5.7	29	-1.7	1967
26	50.6	10.3	59.6	15.3	87	30.6	1962	41.6	5.3	31	-.6	1976*
27	51.3	10.7	60.3	15.7	84	28.9	1977*	42.4	5.8	28	-2.2	1946
28	49.9	9.9	57.9	14.4	83	28.3	1951	42.1	5.6	32	.0	1976*
29	51.4	10.9	61.0	16.1	85	29.4	1970	42.3	5.7	30	-1.1	1977*
30	52.3	11.6	62.4	16.9	85	29.4	1962	43.5	6.4	34	1.1	1979*
31												
Monthly	48.1	8.9	57.1	13.9	91	32.8	1980	39.0	3.9	11	-11.7	1982

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1 55 CLEVIEW, IL 1945-1982 MAY
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	54.7	12.6	65.7	18.7	88	31.1	1952	43.8	6.6	31	-0.6	1963
2	54.4	12.4	64.3	17.9	90	32.2	1959	44.9	6.9	34	1.1	1978*
3	54.4	12.7	64.7	18.2	88	31.1	1955*	44.9	7.2	32	.7	1954
4	55.4	13.0	65.2	18.4	89	31.7	1952*	45.7	7.6	31	-0.6	1954
5	57.4	14.1	67.2	19.6	92	33.3	1949	47.5	8.6	33	.6	1968
6	55.6	13.1	65.7	18.7	89	31.7	1949	45.5	7.5	34	1.1	1954
7	52.5	11.4	61.2	16.2	84	28.9	1965*	43.8	6.6	32	.0	1974
8	55.0	12.8	64.1	17.8	89	31.7	1979*	45.9	7.7	32	.0	1948*
9	54.1	12.3	62.9	17.2	90	32.2	1979	45.2	7.3	30	-1.1	1966
10	53.7	12.2	62.7	17.1	89	31.7	1979	45.2	7.3	28	-2.2	1966
11	55.1	12.8	64.9	18.3	88	31.1	1982	45.3	7.4	33	.6	1966
12	56.7	13.4	66.0	18.9	90	32.2	1956	46.3	7.9	33	.6	1981
13	56.7	13.8	67.2	19.6	88	31.1	1977	46.3	7.9	36	2.2	1953
14	57.8	14.3	67.2	19.6	90	32.2	1982	48.4	9.1	36	2.2	1973
15	58.6	14.8	68.7	20.4	89	31.1	1971*	48.5	9.2	39	3.9	1959*
16	58.1	14.5	68.0	20.0	91	32.8	1962	48.1	8.9	37	2.8	1956
17	57.5	14.2	66.4	19.1	94	34.4	1971	48.6	9.2	38	3.3	1973
18	61.1	16.2	71.5	21.9	92	33.3	1962	50.8	10.4	37	2.8	1955
19	61.1	16.2	71.7	22.1	93	33.9	1975	50.4	10.2	38	3.3	1948
20	60.3	15.7	71.0	21.7	90	32.2	1977	49.6	9.8	41	5.0	1956
21	60.6	15.9	71.3	21.8	88	31.1	1977*	49.9	9.9	39	3.9	1954
22	60.4	15.8	70.4	21.3	92	33.3	1956	50.3	10.2	40	4.4	1967*
23	59.6	15.3	68.7	20.4	87	31.7	1977*	50.6	10.3	36	2.2	1963
24	61.4	16.3	71.6	22.0	91	32.8	1950	51.2	10.7	37	2.8	1956
25	61.8	16.6	71.9	22.2	86	30.0	1953*	51.7	10.9	40	4.4	1976*
26	61.1	16.2	70.4	21.3	94	34.4	1967	51.7	10.9	35	1.7	1961
27	61.1	16.2	70.9	21.6	89	31.7	1978	51.2	10.7	36	2.2	1961
28	60.6	15.9	70.1	21.2	93	33.9	1969	51.0	10.6	39	3.9	1949
29	61.9	16.6	71.7	22.1	90	32.2	1962	52.0	11.1	38	3.3	1965*
30	62.8	17.1	73.1	22.8	92	33.3	1953	52.6	11.4	40	4.4	1947*
31	64.3	17.9	75.2	24.0	88	31.1	1953	53.5	11.9	42	5.6	1972
Monthly	58.2	14.6	68.1	20.1	94	34.4	1971*	48.4	9.1	28	-2.2	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1955 FLENVIEW, IL 1945-1982 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	63.1	17.3	72.6	22.6	91	32.9	1951	53.9	11.9	43		6.1
2	62.2	16.8	71.7	22.1	91	32.8	1972*	52.8	11.6	40	4.4	1956
3	63.7	17.2	73.4	23.1	93	33.9	1972	52.6	11.4	37	2.8	1945
4	66.1	18.9	77.3	25.2	94	34.4	1953	54.9	12.7	34	1.1	1945
5	66.5	19.3	77.1	25.1	97	36.1	1971	56.4	13.6	34	1.1	1945
6	67.7	19.4	77.1	25.1	95	35.0	1971	56.9	13.8	44	6.7	1958*
7	67.8	19.9	77.8	25.4	97	32.2	1982*	57.9	14.4	44	6.7	1977
8	67.2	19.6	76.6	24.8	93	33.9	1979*	57.7	14.3	45	7.2	1969
9	66.7	19.3	76.6	24.8	95	35.0	1968	56.7	13.7	42	5.6	1977*
10	67.6	19.8	78.4	25.8	95	35.0	1968	56.8	13.8	42	5.6	1977*
11	68.8	20.4	79.6	26.4	93	33.7	1954	58.1	14.5	38	3.3	1972
12	68.1	20.1	77.4	25.2	96	35.6	1956	58.9	14.9	48	8.9	1955*
13	67.1	19.5	76.6	24.8	95	35.0	1956	57.7	14.3	45	7.2	1946
14	67.1	19.5	76.2	24.6	93	33.9	1976	57.9	14.4	45	7.2	1946
15	66.7	19.3	75.9	24.4	94	34.4	1967	57.4	14.1	47	8.3	1951*
16	67.3	19.6	77.0	25.0	93	33.9	1952	57.6	14.2	45	7.2	1947
17	67.5	19.7	77.5	25.3	93	33.9	1957	57.5	14.2	46	7.8	1980*
18	68.5	20.3	78.1	25.6	93	33.9	1962*	59.1	15.1	46	7.8	1958
19	68.6	20.3	78.6	25.9	101	39.3	1953	58.6	14.8	49	9.4	1980
20	68.7	20.4	78.4	25.8	102	38.9	1953	59.0	15.0	44	6.7	1948
21	68.6	20.3	78.1	25.6	94	34.4	1954	59.2	15.1	45	7.2	1963
22	69.1	20.6	78.8	26.1	95	35.0	1965	59.3	15.2	42	5.6	1963
23	69.2	20.7	78.6	25.9	95	35.0	1968	59.9	15.5	45	7.2	1972
24	70.5	21.4	80.2	26.3	94	34.4	1956	60.9	16.1	48	8.9	1972
25	69.9	21.1	80.0	26.7	98	36.7	1954	59.8	15.4	46	7.8	1979
26	71.7	22.1	81.8	27.7	96	35.6	1964	61.6	16.4	50	10.0	1945
27	72.5	22.7	82.7	28.2	96	35.6	1971	62.9	17.2	52	11.1	1970*
28	74.7	23.3	83.8	28.8	99	37.2	1971	64.3	17.9	55	12.8	1956*
29	74.1	23.4	84.2	29.1	100	37.8	1964	64.1	17.8	52	11.1	1951*
30	73.7	23.2	83.0	28.3	99	37.2	1953	64.3	17.9	51	10.6	1965
31												
Monthly	68.3	20.2	78.2	25.7	102	38.9	1953	58.5	14.7	34	1.1	1945

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1955 LENVIEW, IL 1945-1982 JULY

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	72.9	22.7	83.3	28.5	99	37.2	1956	62.6	17.0	41	5.0	1982
2	72.4	22.4	82.4	28.0	99	37.2	1970	62.3	16.8	52	11.1	1959
3	71.4	21.9	80.4	26.9	98	36.7	1974*	62.3	16.8	51	10.6	1968*
4	71.4	21.8	80.2	26.8	96	35.6	1955	62.5	16.9	50	10.0	1972
5	71.2	21.8	80.7	27.1	95	35.0	1977*	61.8	16.6	47	8.3	1972
6	71.1	21.7	81.0	27.2	95	35.0	1977	61.3	16.3	52	11.1	1979*
7	73.2	22.9	82.9	28.3	100	37.8	1980	63.4	17.4	53	11.7	1959
8	73.0	22.8	82.1	27.8	96	35.6	1974*	63.9	17.7	51	10.6	1954
9	72.7	22.2	81.3	27.4	97	36.1	1974	62.7	17.1	53	11.7	1961*
10	72.2	22.3	81.7	27.6	97	36.1	1976*	62.6	17.0	52	11.1	1953*
11	73.1	22.8	82.9	28.3	95	35.0	1966	63.4	17.4	50	10.0	1945
12	74.5	23.6	84.5	29.2	98	36.7	1966	64.6	18.1	55	12.8	1975*
13	73.8	23.2	82.9	28.3	97	36.1	1974	64.6	18.1	53	11.7	1975*
14	73.7	23.1	82.4	28.0	97	36.1	1976*	64.6	18.1	51	10.6	1950
15	73.1	22.8	81.8	27.7	99	36.7	1980	64.4	18.0	52	11.1	1967*
16	73.7	23.2	83.6	28.7	96	35.6	1969	63.9	17.7	45	7.2	1945
17	74.3	23.5	83.6	28.7	95	35.0	1964	65.1	18.4	53	11.7	1945
18	74.6	23.7	83.4	28.6	100	37.8	1946	65.9	18.8	55	12.8	1979
19	73.7	23.2	82.1	27.8	95	35.0	1977	65.3	18.5	54	12.2	1947
20	73.8	23.2	82.8	28.2	101	38.3	1980	64.8	18.2	54	12.2	1970*
21	73.8	23.2	82.4	28.0	97	36.1	1972	65.2	18.4	50	10.0	1947
22	74.1	23.4	82.6	28.1	97	36.1	1965	65.6	18.7	46	7.8	1947
23	73.1	22.8	81.3	27.4	94	34.4	1976	64.8	18.2	50	10.0	1947
24	74.7	23.4	83.4	28.6	101	38.3	1945	64.9	18.3	57	13.9	1947
25	74.0	23.3	83.3	28.5	94	34.4	1966	64.7	18.2	56	13.3	1946
26	74.3	23.5	83.4	28.6	98	36.7	1955	65.2	18.4	52	11.1	1962
27	75.0	23.9	84.2	29.0	101	38.3	1955	65.8	18.8	54	12.2	1971
28	73.6	23.1	82.1	27.8	94	34.4	1964	65.1	18.4	56	13.3	1972
29	73.0	22.8	82.1	27.8	94	34.4	1953	63.9	17.7	54	12.2	1981
30	73.7	23.1	82.6	28.1	96	35.6	1947	64.3	17.9	54	12.2	1971
31	73.1	22.8	81.7	27.6	97	36.1	1945	64.5	18.1	51	10.6	1971
Monthly	73.2	22.9	82.4	28.0	101	38.3	1980*	64.1	17.8	41	5.0	1982

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERA

1 55

OLENVIEW, IL

1945-1982

A 61

STATION

STATION NAME

YEARS

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP			
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME	
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C
1	72.1	22.2	80.3	26.8	94	34.4	1964	63.6	17.6	50	10.0
2	72.9	22.7	81.5	27.5	97	36.1	1964	64.2	17.9	54	12.2
3	72.2	22.3	81.1	27.3	95	35.0	1955	63.3	17.4	49	9.4
4	72.1	22.3	80.9	27.2	101	38.3	1947	63.3	17.4	52	11.1
5	71.9	21.9	79.9	26.6	99	37.2	1947	63.1	17.3	49	9.4
6	72.7	22.6	81.2	27.3	100	37.8	1947	64.2	17.9	49	9.4
7	73.2	22.9	82.1	27.8	96	35.6	1979	64.3	17.9	52	11.1
8	72.9	22.7	81.3	27.4	96	35.6	1949	64.6	18.1	52	11.1
9	72.2	22.3	80.8	27.1	94	34.4	1949	63.6	17.6	48	8.9
10	71.9	21.9	80.1	26.7	94	34.4	1949	63.0	17.2	51	10.6
11	70.9	21.6	79.8	26.6	93	33.9	1947	62.0	16.7	52	11.1
12	71.1	21.7	80.5	26.9	92	33.3	1958*	61.6	16.4	49	9.4
13	72.1	22.2	81.4	27.4	93	33.9	1947	62.5	16.9	51	10.6
14	72.7	22.2	80.7	27.1	94	34.4	1972	63.4	17.4	49	9.4
15	72.4	22.4	81.4	27.4	93	33.9	1965	63.4	17.4	52	11.1
16	71.6	22.0	80.2	26.9	94	34.4	1950	62.9	17.2	52	11.1
17	71.9	22.2	81.4	27.4	97	36.1	1947	62.4	16.9	53	11.7
18	71.5	21.9	80.6	27.0	98	36.7	1947	62.4	16.9	49	9.4
19	71.6	22.0	80.6	27.0	95	35.0	1955*	62.7	17.1	51	10.6
20	72.3	22.4	81.3	27.4	97	36.1	1955*	63.2	17.3	45	7.2
21	72.7	22.6	82.2	27.7	99	37.2	1955	63.2	17.3	45	7.2
22	72.0	22.2	80.9	27.2	95	35.0	1968*	63.1	17.3	51	10.6
23	71.4	21.9	80.0	26.7	96	35.6	1968	62.7	17.1	48	8.9
24	71.1	21.7	80.6	27.3	100	37.8	1947	61.6	16.4	50	10.0
25	71.0	21.7	80.5	26.9	96	35.6	1948	61.6	16.4	46	7.8
26	72.9	22.7	82.5	28.1	96	35.6	1948	63.4	17.4	49	9.4
27	73.8	23.2	83.3	28.5	97	36.1	1976*	64.4	18.0	50	10.0
28	74.0	23.3	83.8	28.8	98	36.7	1955	64.1	17.8	47	8.3
29	73.3	22.9	82.8	28.2	96	35.6	1953	63.8	17.7	45	7.2
30	73.2	22.9	82.2	27.9	96	35.6	1953	64.1	17.8	52	11.1
31	72.3	22.4	80.8	27.1	100	37.8	1953	63.8	17.7	50	10.0
Monthly	72.3	22.3	81.2	27.3	101	38.3	1947	63.2	17.3	45	7.2

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

155

LEWIS, IL

1945-1982

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	59.7	20.9	77.9	25.5	100	37.8	1953	61.5	16.4	44	6.7	1949
2	69.9	21.1	79.2	26.2	100	37.8	1953	60.5	15.8	48	8.9	1967
3	70.5	21.4	80.1	26.7	95	35.0	1960	60.9	16.1	47	8.3	1974
4	69.1	20.6	78.0	25.6	94	34.4	1960	60.2	15.7	49	8.9	1974
5	68.2	20.1	77.8	25.4	96	35.6	1954	58.6	14.8	45	7.2	1962
6	68.7	20.2	77.7	25.4	96	35.6	1960	58.9	14.9	45	7.2	1950
7	69.3	20.2	77.8	25.4	98	36.7	1967	58.8	14.9	43	6.1	1950
8	67.7	19.8	77.1	25.1	96	35.6	1978	58.3	14.6	45	7.2	1951
9	68.2	20.1	78.8	26.0	94	34.4	1964	57.7	14.3	46	7.8	1951
10	67.8	19.9	77.2	25.1	94	34.4	1978	58.4	14.7	49	9.4	1976
11	67.0	19.4	76.8	24.9	91	32.8	1979	57.2	14.0	45	7.2	1955
12	65.4	18.6	74.2	23.4	91	32.8	1952	56.7	13.7	42	5.6	1958
13	66.1	18.9	74.9	23.8	91	32.8	1962	57.3	14.1	37	2.8	1953
14	64.2	17.9	72.7	22.6	88	31.1	1971	55.7	13.2	41	5.0	1949
15	63.6	17.6	72.8	22.7	84	28.9	1958	54.4	12.4	42	5.6	1949
16	62.7	17.1	71.4	21.7	90	32.2	1955	54.0	12.2	43	6.1	1951
17	64.4	18.0	73.2	22.9	91	32.8	1955	55.7	13.2	42	5.6	1959
18	65.5	18.6	74.7	23.7	92	33.3	1955	56.3	13.5	38	3.3	1959
19	65.6	18.7	74.8	23.8	93	33.9	1955	56.4	13.6	39	3.9	1956
20	62.0	17.2	71.4	21.9	88	31.1	1978	54.5	12.5	32	.0	1956
21	62.3	16.8	71.1	21.7	89	31.7	1970	53.6	12.0	39	3.9	1962
22	60.7	15.9	69.1	20.6	85	29.4	1961	52.2	11.2	34	1.1	1974
23	58.8	14.9	67.7	19.8	86	30.0	1945	50.0	10.0	33	.6	1974
24	60.1	15.6	69.4	20.8	85	29.4	1958	50.9	10.5	37	2.8	1950
25	61.0	16.1	69.9	21.1	82	27.8	1958	52.1	11.2	40	4.4	1950
26	60.7	15.9	70.1	21.2	84	28.9	1979	51.2	10.7	43	6.1	1966
27	59.8	15.4	68.8	20.4	88	31.1	1954	50.9	10.5	41	5.0	1957
28	58.8	14.9	68.6	20.3	88	31.1	1952	48.9	9.4	37	2.8	1961
29	59.2	15.1	68.4	20.2	96	35.6	1953	49.9	9.9	34	1.1	1951
30	59.3	15.2	69.4	20.6	89	31.7	1971	49.3	9.6	36	2.2	1972
31												
Monthly	64.6	18.1	73.7	23.2	100	37.8	1953	55.4	13.0	32	.0	1956

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1955 GLENVIEW, IL 1945-1982 OCTOBER
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	59.7	15.4	69.4	20.8	87	30.6	1971	49.2	9.6	34	1.1	1956
2	59.7	15.4	69.9	21.1	87	30.6	1971	49.5	9.7	30	-1.1	1974
3	58.4	14.7	67.9	19.9	88	31.1	1954	48.8	9.3	31	-0.6	1974
4	58.3	14.6	67.4	19.7	88	31.1	1967	49.2	9.6	36	2.2	1980*
5	57.7	14.3	66.8	19.3	86	30.0	1946	48.6	9.2	32	.0	1952
6	56.4	13.6	64.9	18.3	88	31.1	1963	47.9	8.8	26	-3.3	1952
7	55.2	12.9	63.6	17.6	82	27.8	1949	46.7	8.2	32	.0	1952
8	55.7	13.2	64.7	18.2	84	28.9	1949	46.8	8.2	28	-2.2	1952
9	55.0	12.8	64.1	17.8	84	28.9	1949	45.9	7.7	31	-0.6	1964
10	55.4	13.0	65.3	18.5	84	28.9	1962	45.5	7.5	27	-2.8	1964
11	55.0	12.8	63.9	17.7	84	28.9	1962	46.2	7.9	32	.0	1964
12	54.9	12.9	64.4	18.0	82	27.8	1956	44.7	7.1	31	-0.6	1967*
13	55.4	13.7	65.5	18.4	87	30.6	1975	45.4	7.4	31	-0.6	1977
14	55.3	13.2	65.9	18.8	84	28.9	1958	45.7	7.6	33	.6	1978
15	55.1	12.8	65.2	18.4	84	28.9	1968*	45.1	7.3	32	.0	1972
16	54.5	12.5	63.9	17.7	87	26.7	1958*	45.1	7.3	31	-0.6	1970*
17	53.5	11.9	63.3	17.4	85	29.4	1957	43.8	6.6	26	-3.3	1948
18	52.1	11.2	60.4	15.8	85	29.4	1957	43.7	6.5	21	-6.1	1948
19	51.6	10.9	60.3	15.7	82	27.8	1953	42.9	6.1	26	-3.3	1972
20	52.7	11.1	61.2	16.2	95	29.4	1953	42.8	6.0	25	-3.9	1952
21	52.6	11.4	61.5	16.4	83	28.3	1979*	43.7	6.5	25	-3.9	1952
22	52.3	11.6	62.8	17.1	83	28.3	1963*	43.0	6.1	27	-2.8	1976
23	50.7	10.4	58.9	14.9	83	28.3	1963	42.6	5.9	24	-4.4	1981
24	48.5	9.2	56.9	13.8	87	26.7	1963	40.1	4.5	22	-5.6	1981
25	48.3	8.9	56.2	13.4	74	23.3	1963	40.0	4.4	23	-5.0	1962
26	48.6	9.2	57.8	14.3	82	27.8	1963	39.5	4.2	22	-5.6	1962
27	49.5	9.7	58.7	14.8	74	23.3	1953*	40.3	4.4	29	-1.7	1980*
28	48.9	9.4	57.8	14.3	76	24.4	1946	40.1	4.5	24	-4.4	1976
29	48.5	9.2	57.1	13.9	78	25.4	1946	39.9	4.4	23	-5.3	1952
30	50.3	10.4	59.7	15.4	83	28.3	1950	41.9	5.5	28	-2.2	1954
31	50.5	10.3	57.5	14.4	84	28.9	1950	43.1	6.2	28	-2.2	1949
Monthly	53.6	12.0	62.7	17.1	88	31.1	1967*	44.4	6.9	21	-6.1	1948

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

AVAIL WEATHER SERVICE DETACHMENT
SHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1455

CLENNIEW, IL

1945-1982

NOVEMBER

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	48.5	9.2	56.9	13.8	78	25.6	1950	40.4	4.7	24	-4.4	1951
2	47.4	8.6	54.5	12.5	75	23.9	1961	40.3	4.6	14	-10.0	1951
3	44.4	7.1	52.4	11.3	73	22.8	1977	37.2	2.9	11	-11.7	1951
4	43.3	6.3	49.6	9.8	70	21.1	1964	37.0	2.8	12	-11.1	1951
5	44.1	6.7	51.8	11.7	73	22.8	1978	36.4	2.4	7	-13.9	1951
6	43.3	6.3	51.2	10.7	73	22.8	1975	35.4	1.9	19	-7.2	1971
7	43.4	6.3	51.6	10.9	72	22.2	1945	35.1	1.7	16	-8.9	1971
8	42.7	5.9	50.6	10.3	67	20.0	1945	34.9	1.6	14	-10.0	1976
9	42.4	5.8	50.0	10.7	69	20.6	1964	34.8	1.6	20	-6.7	1973
10	41.5	5.3	49.3	9.6	68	20.0	1949	33.7	.9	20	-6.7	1957
11	42.4	5.8	49.8	9.9	71	21.7	1964	35.0	1.7	14	-10.0	1950
12	42.2	5.7	49.4	9.7	67	19.4	1964*	34.9	1.6	18	-7.8	1976
13	41.5	5.3	49.5	9.7	67	19.4	1954	33.5	.8	17	-8.3	1947
14	41.1	5.1	48.8	9.3	73	22.8	1971	33.4	.8	11	-11.7	1959
15	42.4	5.8	50.1	10.1	69	20.6	1953	34.7	1.5	11	-11.7	1959
16	42.0	5.9	51.0	10.6	70	21.1	1952	34.1	1.2	5	-15.0	1959
17	42.4	5.8	49.6	9.8	72	22.2	1958	35.1	1.7	2	-16.7	1959
18	41.4	5.2	48.9	9.4	70	21.1	1953	33.8	1.0	13	-10.6	1959
19	39.7	4.0	45.5	7.5	71	21.7	1953	32.8	.4	15	-9.4	1951
20	38.0	3.3	45.0	7.2	63	17.2	1982	31.1	-.5	15	-9.4	1969*
21	36.4	2.4	43.1	6.2	61	16.1	1963	29.6	-1.3	9	-13.3	1964
22	36.2	2.3	43.6	6.4	62	16.7	1963	28.9	-1.7	13	-10.6	1964
23	35.3	1.8	42.2	5.7	61	16.1	1974*	28.3	-2.1	-2	-18.9	1950
24	34.4	1.3	41.1	5.1	64	17.8	1966	27.8	-2.3	-3	-19.4	1950
25	34.9	1.6	42.3	5.7	61	16.1	1976*	27.5	-2.5	-2	-18.9	1950
26	35.3	1.8	42.6	5.9	64	17.8	1981	28.1	-2.2	5	-15.0	1977
27	33.0	.6	39.2	4.0	60	15.6	1957	26.9	-2.8	6	-14.4	1955
28	30.2	-1.0	36.1	2.3	63	17.2	1960	24.3	-4.3	2	-16.7	1976
29	29.6	-1.3	36.8	2.7	62	16.7	1975	22.3	-5.4	-5	-20.6	1976
30	30.1	-1.1	37.8	3.2	63	17.2	1975	22.3	-5.4	-4	-20.0	1947
31												
Monthly	39.6	4.2	47.0	8.3	78	25.6	1950	32.3	.2	-5	-20.6	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

AVAIL WEATHER SERVICE DETACHMENT
SHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1955 FLEMING, IL 1945-1982 DECEMBER

STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	71.7	-3.3	38.2	3.4	70	21.1	1970	24.9	-3.9	9	-12.8	1966
2	73.9	-3.8	41.1	5.1	67	19.4	1982	25.9	-3.4	2	-16.7	1976
3	34.3	1.6	42.0	5.6	65	18.3	1970	27.7	-2.4	7	-13.7	1966
4	34.7	1.5	42.0	5.6	64	17.8	1961	27.4	-2.6	7	-13.9	1978
5	34.9	1.6	41.9	5.5	63	17.2	1982*	27.8	-2.3	10	-12.2	1976*
6	32.7	.4	39.7	4.3	64	17.8	1980*	25.7	-3.5	8	-17.8	1977
7	71.3	-0.1	38.5	3.6	63	17.2	1980	25.1	-3.8	8	-17.8	1977*
8	70.0	-1.1	36.2	2.3	65	18.3	1946	23.8	-4.6	-3	-19.4	1958
9	27.1	-2.7	33.6	.9	60	15.6	1946	20.7	-6.3	-9	-22.8	1958
10	26.3	-3.2	33.7	.9	58	14.4	1971*	18.9	-7.3	-5	-20.6	1978*
11	27.3	-2.6	34.4	1.3	62	16.7	1949	20.1	-6.6	-3	-19.4	1972*
12	27.6	-2.4	34.3	1.3	56	13.3	1965	20.8	-6.2	-5	-20.6	1962
13	26.7	-2.9	33.7	.9	64	17.8	1975	19.8	-6.8	-4	-20.0	1959
14	26.2	-3.2	32.9	.5	61	16.1	1975	19.6	-6.9	-2	-18.9	1958
15	26.1	-3.3	32.9	.5	65	18.3	1971	19.3	-7.1	-8	-22.2	1951
16	25.7	-3.5	32.5	.3	54	12.2	1977	18.9	-7.3	-14	-25.6	1951
17	24.1	-4.0	31.8	-0.1	50	10.0	1977	17.8	-7.9	-10	-23.3	1951
18	25.1	-3.4	32.8	.4	54	12.2	1957	18.7	-7.4	-11	-23.9	1945
19	26.4	-3.1	32.5	.3	53	11.7	1976*	20.2	-6.6	-6	-21.1	1963
20	25.9	-3.2	32.4	.2	59	15.0	1949	20.3	-6.5	-8	-22.2	1963
21	25.9	-3.4	32.7	.4	62	16.7	1967	19.1	-7.2	-4	-20.0	1963
22	26.6	-3.0	33.5	.8	55	12.8	1957	19.8	-6.8	-7	-21.7	1967
23	26.2	-2.1	34.6	1.4	67	15.6	1982	21.7	-5.7	-11	-23.9	1960
24	27.1	-2.7	34.9	1.6	58	14.4	1982	19.2	-7.1	-8	-22.2	1951
25	26.5	-3.1	33.1	.6	63	17.2	1982	19.9	-6.7	-3	-19.4	1977
26	24.3	-3.9	30.9	-0.6	51	10.6	1959	18.9	-7.3	-6	-21.1	1962*
27	25.7	-3.5	32.9	.5	51	14.4	1946	18.5	-7.5	-12	-24.4	1950
28	26.3	-3.3	33.4	.6	63	17.2	1982	18.7	-7.4	-6	-21.1	1961
29	26.1	-3.3	32.6	.3	52	11.1	1979	19.5	-6.9	-8	-22.2	1976
30	25.4	-3.7	32.0	.2	57	13.9	1965	18.7	-7.4	-5	-20.6	1976
31	25.4	-3.7	32.5	.3	59	15.0	1965	18.2	-7.7	-11	-23.9	1967
Monthly	28.3	-2.2	34.8	1.6	70	21.1	1970	21.2	-6.0	-14	-25.6	1951

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14553 GLENVIEW, IL 45-67
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				80	83	92	101	93	92	76	72	52	
46	54	56		83	82	94	100			86		65	
47	50				82	93	96	101					
48	40	54	72	82	83	91	94	98	92	79	67	57	98
49	59	52	70	75	92	90	98	96	84	84	70	62	98
50	67	41	61	74	91	90	92	94	83	85	78	51	94
51	49	55	66	83	87	91	91	92	88	87	65	64	92
52	56	53	64	82	89	97	96	90	91	85	70	59	97
53	56	56	74	82	92	102	98	100	100	85	71	55	102
54	49	66	66	83	86	98	95	93	96	88	69	45	98
55	44	50	69	80	88	92	101	99	94	77	66	49	101
56	44	46	58	80	92	96	99	97	87	83	69	61	99
57	56	62	70	79	84	93	93	93	92	71	60	55	93
58	39	53	52	83	85	88	90	93	88	84	72	40	93
59	41	50	74	75	91	93	92	95	95	72	63	57	95
60	58	42	69	86	82	85	93	94	98	80	68	60	98
61	54	60	70	74	84	92	91	92	90	80	75	64	93
62	42	51	69	87	93	93	89	93	91	84	60	62	93
63	41	49	79	80	89	94	98	93	88	88	67	56	98
64	59	53	64	83	91	100	95	97	94	78	72	49	100
65	61	57	53	74	86	96	97	94	89	80	71	59	97
66	47	56	73	74	85	94	98	91	90	80	69	61	98
67	64	47	77	75	94	94	92	95	86	88	58	62	94
68	51	55	79	80	85	95	74	96	88	84	72	54	96
69	52	41	72	79	93	94	96	93	83	84	55	46	96
70	51	50	55	85	88	98	99	89	89	76	58	70	99
71	43	60	76	88	94	99	91	93	95	87	73	65	99
72	50	64	73	77	87	93	97	95	83	74	58	50	97
73	59	53	72	76	80	92	96	97	91	80	64	61	97
74	54	57	77	83	87	91	98	90	88	78	76	45	98
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14359 STATION GLENVIEW, IL STATION NAME 45-82 YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46			73 30										MAX TEMP DAYS
47		46 12							93 10		57 27	54 30	MAX TEMP DAYS
78											73 29		MAX TEMP DAYS
81					83 30								MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14855 GLENVIEW, IL 45-50
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

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

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14855 CLENVIEW, IL 45-82
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46			19 30										MIN TEMP DAYS
47		3- 19							62 10		4- 27	9 30	MIN TEMP DAYS
78											11 29		MIN TEMP DAYS
91					33 30								MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS



PSYCHROMETRIC SUMMARY

14855 STATION GLENVIEW, IL STATION NAME 73-82 YEARS JAN MONTH

PAGE 1
HOURS (L E T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew P	
58/ 57			.0				.0											2	2			
56/ 55		.1	.1		.0													7	7	2		
54/ 53		.3	.1		.1													12	12	5		
52/ 51	.0	.1	.0	.1	.1	.0												11	11	11		
50/ 49		.0	.1	.1		.0												7	7	3		
48/ 47		.1	.1	.2	.1													11	11	8		
46/ 45		.1	.1	.2	.1													12	12	7		
44/ 43	.1	.5	.0	.1	.2													22	22	17		
42/ 41	.2	.4	.2	.2	.2													29	29	22		
40/ 39	.1	.8	.5	.4	.1													47	47	23		
38/ 37	.4	1.0	.9	.3	.1													70	70	44		
36/ 35	.8	1.7	1.9	.3	.1													119	119	85		
34/ 33	.8	2.7	1.5	.2														128	128	106		
32/ 31	1.4	3.5	1.5	.2														163	163	170		
30/ 29	1.4	3.2	1.1	.2														149	149	166		
28/ 27	1.1	2.8	.8	.2														122	122	138		
26/ 25	1.7	4.0	.9	.2														169	169	158		
24/ 23	1.6	2.9	.5	.0														125	125	155		
22/ 21	.9	3.0	.5															110	110	116		
20/ 19	1.4	2.3	.6	.0														109	109	123		
18/ 17	.9	2.2	.6															92	92	93		
16/ 15	1.1	2.3	.4															94	94	102		
14/ 13	1.1	2.5	.4															101	101	101		
12/ 11	1.1	3.3	.1															113	113	116		
10/ 9	1.5	3.2	.1															120	120	124		
8/ 7	1.0	2.5																88	88	95		
6/ 5	.8	2.2																75	75	84		
4/ 3	.8	2.6	.0															84	84	82		
2/ 1	.6	2.0	.1															66	66	75		
0/ -1	1.8	.6	.0															59	59	72		
- 2/ -3	1.2	.9																51	51	54		
- 4/ -5	.8	.4																29	29	35		
- 6/ -7	.6	.2																20	20	21		
- 8/ -9	.6																	15	15	18		
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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PSYCHROMETRIC SUMMARY

STATION: 14855 STATION NAME: GLENVIEW, IL YEARS: 73-82 MONTH: JAN

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Pt.
-10/-11	.5	.1																15	15	15	
-12/-13	.4	.0																11	11	11	
-14/-15	.4																	10	10	10	
-16/-17	.1	.1																5	5	4	
-18/-19	.1																	3	6	4	
-20/-21	.1																	2	2	2	
-22/-23	.1																	2	2	2	
-24/-25																					
-26/-27																					
-28/-29																					
-30/-31																					
-32/-33																					
TOTAL	27.6	54.9	13.4	3.0	1.1	.1	.0											2479	2482	2479	2479

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature							
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Rel. Hum.	15134400	190262	76.7	14.650	2479								
Dry Bulb	1490903	50061	20.2	13.926	2482	67.4	601.0						
Wet Bulb	1307755	46549	18.8	13.229	2479	74.4	644.1						
Dew Point	1032687	33951	13.7	15.136	2479	157.6	688.2						

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PSYCHROMETRIC SUMMARY

14355 GLENVIEW, IL 73-82 FEB

STATION STATION NAME YEARS MONTH

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point
-2/-3	.4	.3																14	14	14	30
-4/-5	.3	.1																9	9	12	44
-6/-7	.3																	6	6	6	19
-8/-9	.2																	5	5	5	22
-10/-11	.1																	2	2	2	17
-12/-13	.1																	3	3	3	13
-14/-15																					3
-16/-17																					3
-18/-19																					2
-20/-21																					2
TOTAL	19.6	51.2	19.3	6.9	1.9	.6	.4	.2	.0									2256	2256	2256	2256

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	13546567	171869	76.2	14.174	2256							
Dry Bulb	1895071	58343	25.9	13.087	2256	18.5	455.7					672.0
Wet Bulb	1611627	53839	23.9	12.037	2256	20.9	511.7					672.0
Dew Point	1105869	42681	18.9	12.953	2256	63.1	574.3					672.0

PSYCHROMETRIC SUMMARY

14955 GLENVIEW, IL 73-82 MAR

STATION STATION NAME YEARS MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb
80/79																		1	1	
78/77									.0	.0								3	3	
76/75									.0	.1	.0							4	4	
74/73								.1	.0									3	3	
72/71					.0	.0	.0	.2	.1									9	9	
70/69						.1	.1											4	4	
68/67				.0	.0	.0	.1	.0	.1	.1								10	10	
66/65			.0	.1	.2	.2	.2	.0	.0	.0								14	14	
64/63		.0	.2	.4	.2	.2	.2	.0	.1	.0								35	35	2
62/61		.1	.1	.4	.1	.1	.1	.2	.0	.0								31	31	10
60/59	.0	.3	.1	.3	.1	.2	.1	.2	.0	.0								36	36	20
58/57	.0	.4	.2	.2	.3	.0	.2	.3	.0									44	44	31
56/55	.1	.4	.2	.2	.3	.3	.4	.1										47	47	38
54/53	.2	.2	.3	.4	.1	.4	.3	.0										51	51	44
52/51	.2	.4	.3	.4	.4	.4	.1	.0										57	57	39
50/49	.3	.3	.4	.6	.5	.4	.1	.0										66	66	48
48/47	.1	.6	.7	1.0	.8	.2	.1											86	86	45
46/45	.5	1.0	.9	1.2	.9	.2	.0											116	116	91
44/43	.4	.7	1.2	1.0	.7	.3												107	107	107
42/41	.5	.9	2.2	1.3	.6	.2												145	145	107
40/39	.4	1.5	2.8	1.4	.4	.1												162	162	136
38/37	.8	3.6	2.5	1.5	.2													213	213	182
36/35	1.0	4.1	2.9	.7	.2													223	223	248
34/33	2.0	4.2	2.0	.6	.2													223	223	279
32/31	1.4	2.5	2.2	.6	.0													165	165	231
30/29	.8	2.3	1.9	.3	.0													131	131	160
28/27	.7	2.2	2.0	.1														124	124	146
26/25	.6	1.6	1.0	.1														91	81	132
24/23	.4	1.7	.6	.1														69	69	93
22/21	.3	1.8	.4															62	62	80
20/19	.2	1.1	.2															39	39	66
18/17	.2	1.0	.2															32	32	32
16/15	.1	.9	.1															28	28	31
14/13	.1	.7	.0															20	20	29
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				



PSYCHROMETRIC SUMMARY

4055 GLENVIEW, IL 73-82 MA9 NORTH

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11	.4	.4																18	18	26	52
10/ 9	.0	.1																4	4	8	38
8/ 7	.1	.2																7	7	7	38
6/ 5		.2																4	4	4	17
4/ 3	.1	.1																5	5	7	18
2/ 1																					13
0/- 1	.0																	1	1	1	6
2/- 3																					7
4 /- 5																					1
3 /- 9																					1
TOTAL	11.9	35.5	25.6	13.1	6.3	3.4	1.8	1.5	.4	.4	.1							2480	2480	2480	2480

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Ref. Hum.	13810637	179919	72.5	17.484	2480							
Dry Bulb	3871203	93399	37.7	11.945	2480	.3	237.0	10.2	3.3			749.0
Wet Bulb	3159120	84770	34.2	10.271	2480	.3	315.9					749.0
Dew Point	2356458	71250	28.7	11.172	2480	4.5	407.2					749.0

PSYCHROMETRIC SUMMARY

4855
GLENVIEW, IL
73-82
APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
72 / 21		.0	.0															2	2	6	6
20 / 19	.0	.2	.0															6	6	6	30
18 / 17	.0	.1																3	3	8	36
16 / 15	.0	.1																3	3	4	27
14 / 13	.0																	1	1	1	18
12 / 11																					10
10 / 9																					7
8 / 7																					2
6 / 5																					2
TOTAL	7.5	21.6	20.7	15.5	10.9	8.2	5.9	3.5	3.2	1.2	.7	.3	.4	.2				2400		2400	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	11573877	159119	66.3	20.663	2400	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	6051097	116691	48.6	12.543	2400		51.9	67.8	28.8	10.5		720.0

PSYCHROMETRIC SUMMAR

14855 GLENVIEW, IL 73-82 JUL

STATION STATION NAME YEARS MONTH

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb
100/ 99										.0	.0							2	2	
98/ 97										.0	.1	.0	.1					6	6	
96/ 95								.0	.1	.1	.3	.1						16	16	
94/ 93								.2	.2	.2	.3	.1		.0				25	25	
92/ 91						.1	.2	.2	.3	.4	.0			.0				32	32	
90/ 89					.0	.1	.3	.7	.6	.4	.1	.1	.0					58	58	
88/ 87				.1	.0	.3	.5	.9	.7	.6	.3							85	85	
86/ 85			.0	.1	.2	.5	.7	.6	.6	.5	.3	.0						91	91	
84/ 83		.0	.2	.6	.6	.8	.8	.4	.3	.1								99	99	1
82/ 81		.1	.3	1.1	1.1	1.0	1.0	.8	.5	.1	.0							153	153	12
80/ 79		.1	.6	1.5	1.3	1.3	1.0	.6	.4	.2	.1							171	171	17
78/ 77	.3	.2	1.1	1.5	1.9	.8	1.0	.8	.5	.1	.1							201	201	59
76/ 75	.1	.7	1.3	1.6	1.5	1.2	1.0	.9	.4	.1								217	217	135
74/ 73	.2	1.0	2.2	2.1	1.5	1.4	.9	.4	.3	.1								245	245	218
72/ 71	.5	1.3	2.3	2.1	1.2	.8	.8	.2	.1	.0								231	231	261
70/ 69	.9	2.4	2.3	1.5	1.0	.9	.4	.1	.0									238	238	312
68/ 67	.5	1.7	2.1	1.7	1.2	.4	.2	.1										199	199	329
66/ 65	.4	1.5	2.1	1.3	.6	.1	.0											149	149	298
64/ 63	.2	1.1	1.3	1.0	.3	.2	.0											102	102	241
62/ 61	.2	1.1	1.3	.7	.2	.0												84	84	222
60/ 59	.2	.6	.6	.2	.1	.0												44	44	183
58/ 57	.1	.2	.2	.1	.1													17	17	110
56/ 55	.1	.1	.0	.1														10	10	56
54/ 53		.2	.0	.0														3	3	24
52/ 51																				6
50/ 49			.0															1	1	3
48/ 47																				2
46/ 45																				
44/ 43																				
42/ 41																				
40/ 39																				
38/ 37																				
TOTAL	3.3	12.1	17.7	16.1	12.8	10.0	8.8	7.7	5.5	3.7	1.7	.4	.1	.1				2479	2479	24
																		2479	2479	
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	12548763	171133	69.0	17.223	2479	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb	13911711	184591	74.5	8.202	2479			620.9	420.5	196.3	14.7	744								
Wet Bulb	11164458	165742	66.9	5.794	2479			403.4	132.7	6.0		744								
Dew Point	9846033	155289	62.6	6.913	2479			244.9	66.9	1.2		744								

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PSYCHROMETRIC SUMMARY

14855 GLENVIEW, IL 73-82 AUG

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 P.		
98/ 97											.0									1	1		
96/ 95								.0	.1	.1										5	5		
94/ 93							.1	.1	.1	.1										7	7		
92/ 91							.1	.1	.2	.2	.1									18	18		
90/ 89						.2	.1	.5	.3	.2	.1	.0								34	34		
88/ 87				.0	.0	.3	.3	.8	.4	.1	.1	.0								50	50		
86/ 85				.0	.2	.4	.5	.4	.4	.1	.1	.0								54	54		
84/ 83			.0	.1	.6	1.0	.4	.8	.3	.2	.1									88	88	1	
82/ 81			.1	.5	.8	1.0	1.2	.7	.1	.1										112	112	5	
80/ 79	.0	.1	.5	1.1	1.5	1.1	1.1	.4	.5	.2		.0								163	163	14	
78/ 77	.0	.2	.9	1.6	1.4	1.4	.8	.7	.3	.1										182	182	43	
76/ 75	.1	.6	2.4	1.3	1.4	1.2	1.0	.4	.4	.2										222	222	110	
74/ 73	.2	1.9	2.3	1.3	1.1	1.0	1.1	.5	.1											237	237	177	
72/ 71	1.3	3.5	2.2	1.6	.9	1.0	.7	.4	.1											290	290	312	
70/ 69	1.6	3.2	2.8	1.2	1.4	.6	.6	.2												289	289	342	
68/ 67	1.4	2.0	2.3	1.5	.8	.7	.2	.0												220	220	313	
66/ 65	.2	1.7	1.9	1.7	.5	.5	.1	.0												165	165	257	
64/ 63	.5	2.0	1.4	.6	.6	.1	.0													128	128	245	
62/ 61	.6	1.4	.6	.4	.2	.1														83	83	235	
60/ 59	.2	.8	.6	.5	.1															55	55	179	
58/ 57	.0	.5	.7	.2																36	36	103	
56/ 55		.3	.6																	23	23	64	
54/ 53	.1	.2	.2	.0																12	12	48	
52/ 51																						22	
50/ 49		.1	.1																	5	5	4	
48/ 47		.0																		1	1	3	
46/ 45																						3	
44/ 43																						3	
42/ 41																							
TOTAL	6.5	18.4	19.6	13.7	11.6	10.6	8.4	5.8	3.5	1.2	.6	.2								2480	2480	2480	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	14230405	187121	73.8	16.910	2480							
Dry Bulb	13201526	179940	72.6	7.666	2480			591.6	351.9	134.1	3.9	749
Wet Bulb	11013934	164620	66.4	5.911	2480			395.1	105.0	3.6		749
Dew Point	9932336	155976	62.9	7.028	2480			275.4	55.8	1.2		749

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PSYCHROMETRIC SUMMARY

14355
GLENVIEW, IL
73-82
SEP
STATION STATION NAME YEARS MONTH

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
29/ 27																					
TOTAL	4.5	20.3	19.4	16.3	13.3	8.5	7.1	5.1	3.4	1.3	.6	.2	.1					2400		2400	
																	2400		2400		
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	12961677	171383	71.4	17.363	2400	≤0 F	≤32 F	≤67 F	≤73 F	≤80 F	≥93 F	Total									
Dry Bulb	10379925	156135	65.1	9.627	2400			312.6	157.2	56.4	1.2	720									
Wet Bulb	8490053	141499	59.0	7.842	2400		.6	135.9	23.1			720									
Dew Point	7356174	131136	54.6	8.920	2400		5.4	78.3	7.2			720									

PSYCHROMETRIC SUMMARY

14855 GLENVIEW, IL 73-82 NOV
 STATION STATION NAME YEARS MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
76/75									.0									1	1		
74/73						.1	.0	.0										4	4		
72/71					.1	.1	.1	.0										8	8		
70/69			.0		.1	.1	.0											6	6		
68/67				.1		.1	.1	.0										10	10		
66/65		.0	.3	.3	.0	.2	.0	.0	.1									24	24	2	
64/63		.4	.5	.2		.2	.1	.1	.0									38	38	6	
62/61	.1	.6	.3	.4	.3	.1	.1	.2										48	48	36	
60/59	.5	.8	.4	.3	.5	.3	.2	.0										76	76	52	3
58/57	.6	.7	.3	.3	.6	.2	.1	.0	.1									73	73	50	6
56/55	.5	1.2	.7	.2	.6	.3	.2	.0										94	94	53	4
54/53	.6	1.0	.8	.5	.6	.3	.3											100	100	85	5
52/51	.1	.5	.5	.7	.5	.6	.2	.0										75	75	71	4
50/49	.3	1.0	.7	.7	.5	.3	.2											88	88	87	5
48/47	.3	1.0	1.0	.7	.7	.3	.1											100	100	77	6
46/45	.3	1.5	1.6	1.4	.3	.3												132	132	97	7
44/43	.4	2.0	1.8	1.2	.4	.1												143	143	122	6
42/41	.5	2.0	2.4	1.7	.7	.1												178	178	155	9
40/39	.4	1.7	2.4	1.3	.4	.0												150	150	161	11
38/37	.4	2.8	2.4	1.8	.3													185	185	165	11
36/35	.6	1.9	2.5	1.2	.0													151	151	201	15
34/33	1.0	2.5	2.0	.7	.1													152	152	182	17
32/31	1.0	2.9	1.8	.3	.0													145	145	192	16
30/29	.9	2.1	1.0	.1														100	100	173	15
28/27	1.0	2.2	.6	.1														92	92	126	16
26/25	.8	1.4	.6	.1														69	69	91	17
24/23	.6	1.0	.5															50	50	62	14
22/21	.3	.8	.2															31	31	50	13
20/19	.3	.5	.2															23	23	36	8
18/17	.3	.3	.1															17	17	21	6
16/15	.1	.1	.0															5	5	12	3
14/13	.1	.1																5	5	5	3
12/11	.0	.2	.0															6	6	6	1
10/9	.1	.2																8	8	6	1
Element (X)	ΣX^2	ΣX		\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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PSYCHROMETRIC SUMMARY

4355
GLENVIEW, IL
73-82
NOV
STATION STATION NAME YEARS MONTH

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
8/ 7		.1																3	3	7	3
6/ 5	.1	.1																5	5	5	15
4/ 3	.0																	1	1	2	6
2/ 1	.0																	1	1	1	9
0/- 1	.1																	2	2	2	5
2/- 3	.0																	1	1	1	3
4/- 5																					2
8/- 9																					1
TOTAL	12.5	33.8	25.7	14.3	7.0	3.8	1.9	.7	.2	.0								2400	2400	2400	2400

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	14022755	179023	74.6	16.698	2400							
Dry Bulb	4421286	98928	41.2	11.965	2400	.9	169.2	8.7	1.5			720.0
Wet Bulb	3718516	90764	37.8	10.918	2400	.9	239.4					720.0
Dew Point	2968401	79235	33.0	12.121	2400	3.3	374.1					720.0

WET BULB TEMPERATURE DEPRESSION (F)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
- 2/- 3	.3	.1																10	10	11	20
- 4 /- 5	.2																	6	6	5	11
- 6/- 7	.1																	3	3	3	20
- 8/- 9	.1																	1	1	1	20
-10/-11	.0																	1	1	1	7
-12/-13																					4
-14/-15																					4
-16/-17																					5
-18/-19																					1
-20/-21																					1
TOTAL	20.4	50.8	21.1	6.1	1.0	.5												2478	2478	2478	2478

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	15747583	194601	78.5	13.705	2478		12.6	450.7				744.0
Wet Bulb	2171194	67488	27.2	11.597	2478		14.7	526.9				744.0
Dew Point	1719562	56776	22.9	13.001	2478		42.9	602.9				744.0

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14 59 GLENVIEW, IL

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	19.1	23.9	35.5	45.6	55.3	64.2	70.1	68.9	61.7	50.3	39.8	28.1	47.0
	S. D.	14.012	13.041	11.165	11.239	9.699	7.802	6.196	5.815	7.978	9.586	11.666	12.042	19.844
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	17.8	22.5	34.0	43.9	53.6	62.2	68.2	66.9	59.8	48.2	38.1	27.1	45.3
	S. D.	14.322	13.372	11.306	11.035	9.436	7.441	6.204	5.965	8.171	9.349	11.594	12.344	19.648
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	16.6	21.7	32.7	43.1	54.3	63.5	68.7	66.4	58.5	46.9	37.1	26.4	44.8
	S. D.	14.591	13.721	11.217	10.725	9.142	6.867	5.290	5.707	8.313	9.339	11.606	12.712	20.051
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
	MEAN	18.7	25.0	37.4	50.0	62.2	71.1	76.6	74.1	66.5	53.8	40.6	28.1	50.5
	S. D.	13.757	12.661	11.009	11.588	10.817	7.860	6.468	5.522	7.958	8.531	11.147	12.248	21.906
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
	MEAN	23.5	30.2	41.7	53.5	66.0	74.5	80.3	78.4	71.2	59.2	45.3	32.3	54.8
	S. D.	12.871	11.984	11.772	12.689	12.048	9.000	7.420	6.589	9.000	9.641	11.705	11.649	21.873
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	23.9	30.6	42.5	54.1	66.3	75.1	80.8	78.7	71.5	59.5	45.6	32.4	55.2
	S. D.	12.961	12.117	12.155	13.204	11.704	9.514	7.648	6.921	9.542	10.013	12.117	11.852	22.026
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651
	MEAN	21.5	27.4	40.0	51.3	62.8	72.4	78.2	75.8	67.6	55.3	42.7	30.1	52.2
	S. D.	13.400	12.356	11.877	12.889	11.115	9.395	7.198	6.520	8.605	9.255	11.730	11.903	21.719
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
	MEAN	20.2	25.5	37.5	47.6	57.5	66.8	72.8	71.3	63.7	52.4	40.6	28.8	48.8
	S. D.	13.832	12.562	11.341	11.734	10.116	8.098	6.302	5.929	7.894	9.326	11.401	11.907	20.299
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	20.2	25.9	37.7	48.6	59.8	68.7	74.5	72.6	65.1	53.2	41.2	29.1	49.8
	S. D.	13.927	13.088	11.945	12.543	11.609	9.595	8.202	7.667	9.628	10.352	11.966	12.252	21.280
	TOTAL OBS	2482	2256	2480	2400	2480	2400	2479	2480	2400	2480	2400	2478	29215

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14955 GLENVIEW, IL

73-92

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN	18.1	22.4	33.0	41.3	50.5	59.0	65.4	65.3	57.8	46.8	37.7	26.5	43.7	
	S. D.	13.567	12.297	10.196	9.675	8.510	7.105	5.805	5.862	7.710	8.833	11.024	11.516	18.500	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
01	MEAN	17.0	21.3	31.8	40.4	49.7	58.3	64.5	64.2	56.7	45.4	35.9	25.7	42.7	
	S. D.	13.792	12.796	10.442	9.778	8.606	7.098	5.885	6.139	8.255	8.850	11.161	11.897	18.636	
	TOTAL OBS	309	282	310	300	310	300	310	310	300	310	300	310	3651	
02	MEAN	15.8	20.6	30.8	40.1	50.6	59.5	65.1	64.0	56.1	44.5	35.1	25.1	42.4	
	S. D.	14.035	13.187	10.566	9.706	8.559	6.818	5.238	5.903	8.401	8.933	11.209	12.210	19.110	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
03	MEAN	17.7	23.4	34.1	44.0	54.4	62.5	68.1	67.1	60.1	48.7	37.7	26.5	45.5	
	S. D.	13.068	11.912	9.948	9.638	8.681	6.648	5.345	5.094	7.590	8.155	10.528	11.751	19.224	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
10	MEAN	21.3	27.1	36.7	45.7	55.9	63.4	68.9	68.3	61.4	51.1	40.3	29.5	47.6	
	S. D.	12.044	10.524	9.734	9.787	8.874	6.793	5.505	5.386	7.382	8.299	10.382	10.953	18.260	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
11	MEAN	21.6	27.3	37.0	45.7	55.8	63.4	68.7	68.4	61.2	51.1	40.2	29.5	47.6	
	S. D.	12.114	10.600	9.725	9.831	8.507	6.971	5.564	5.461	7.255	8.236	10.580	11.022	18.175	
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	300	310	3651	
12	MEAN	19.9	25.1	35.6	44.1	54.0	62.1	67.8	67.4	59.8	49.3	38.8	28.0	46.1	
	S. D.	12.790	11.295	9.879	9.860	8.481	7.118	5.660	5.741	7.026	8.281	10.696	11.268	18.475	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
21	MEAN	18.9	23.7	34.4	42.3	51.6	60.0	66.3	66.2	58.5	47.9	37.6	27.0	44.7	
	S. D.	13.317	11.768	10.064	9.845	8.220	7.131	5.548	5.870	7.276	8.438	10.727	11.407	18.382	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651	
ALL HOURS	MEAN	18.8	23.9	34.2	42.9	52.8	61.0	66.9	66.4	59.0	48.1	37.8	27.2	45.0	
	S. D.	13.229	12.038	10.272	9.973	8.860	7.217	5.795	5.911	7.843	8.799	10.918	11.598	18.693	
	TOTAL OBS	2479	2256	2480	2400	2480	2400	2479	2480	2400	2480	2400	2478	29212	

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14855 GLENVIEW, IL

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00	MEAN S. D. TOTAL OBS	13.7 15.643 310	18.1 13.409 282	28.7 11.198 310	36.0 10.683 300	46.1 9.642 310	55.4 8.250 300	62.8 6.655 310	63.2 6.722 310	54.9 8.618 300	43.2 9.804 310	32.9 12.251 300	22.6 12.909 310	39.9 19.634 3652	
01	MEAN S. D. TOTAL OBS	12.6 15.869 309	17.6 13.894 282	28.0 11.231 310	36.1 10.555 300	46.1 9.587 310	55.4 8.055 300	62.4 6.500 310	62.5 6.861 310	54.4 9.220 300	42.5 9.664 310	32.4 12.316 300	22.3 13.151 310	39.5 19.792 3651	
02	MEAN S. D. TOTAL OBS	11.5 16.063 310	17.1 14.237 282	27.5 11.318 310	36.4 10.459 300	47.2 9.699 310	56.7 7.849 300	63.0 6.050 310	62.7 6.559 310	51.2 9.179 300	41.9 9.754 310	32.0 12.304 300	21.7 13.365 310	39.5 20.228 3652	
03	MEAN S. D. TOTAL OBS	13.0 14.739 310	18.9 12.948 282	28.7 11.315 310	37.0 11.056 300	47.9 10.419 310	56.9 8.444 300	63.4 6.906 310	63.2 6.768 310	55.6 9.150 300	43.7 9.751 310	33.4 11.735 300	22.8 13.075 310	40.5 19.846 3652	
10	MEAN S. D. TOTAL OBS	15.0 14.039 310	20.4 11.683 282	29.2 11.152 310	37.0 11.659 300	47.8 10.758 310	56.2 8.970 300	62.7 7.413 310	62.9 7.288 310	54.6 9.374 300	43.4 10.460 310	33.7 11.966 300	24.0 12.839 310	40.7 19.189 3652	
15	MEAN S. D. TOTAL OBS	15.0 14.279 310	20.4 11.662 282	29.1 10.903 310	36.4 11.607 300	47.2 10.572 310	55.8 9.245 300	62.2 7.339 309	62.7 7.333 310	54.2 8.976 300	43.1 10.405 310	33.2 12.262 300	23.8 12.800 310	40.4 19.071 3651	
16	MEAN S. D. TOTAL OBS	14.5 14.813 310	19.6 12.386 282	29.0 11.078 310	35.8 11.547 300	46.3 10.844 310	55.2 9.344 300	62.0 7.488 310	62.7 7.569 310	54.3 8.438 300	43.3 10.249 310	33.4 12.105 300	23.3 12.887 309	40.1 19.244 3651	
21	MEAN S. D. TOTAL OBS	14.2 15.335 310	19.2 12.916 282	29.5 11.176 310	36.0 11.097 300	46.4 9.591 310	55.2 8.861 300	62.6 6.812 310	63.3 7.101 310	54.8 8.366 300	43.5 9.709 310	33.1 12.070 300	22.8 12.967 309	40.2 19.391 3651	
ALL HOURS	MEAN S. D. TOTAL OBS	13.7 15.136 2479	18.9 12.954 2254	28.7 11.173 2480	36.3 11.085 2400	46.9 10.162 2480	55.8 8.654 2400	62.6 6.914 2479	62.9 7.028 2480	54.6 8.921 2400	43.1 9.980 2480	33.0 12.122 2400	22.9 13.002 2478	40.1 19.555 29212	

RELATIVE HUMIDITY

14855 GLENVIEW, IL

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	99.7	99.4	97.7	93.2	77.7	52.3	23.5	80.0	310
	07	100.0	100.0	99.4	99.0	98.1	92.2	77.7	51.8	23.6	80.1	309
	06	100.0	99.7	99.4	99.0	97.7	93.9	80.3	51.3	24.8	80.5	310
	09	100.0	100.0	100.0	100.0	97.4	92.6	70.6	44.8	22.9	78.6	310
	12	100.0	100.0	100.0	99.0	91.0	70.3	50.3	28.4	13.2	70.9	310
	15	100.0	100.0	100.0	96.8	89.0	70.0	50.0	29.4	13.2	70.3	310
	18	100.0	100.0	100.0	99.4	94.5	84.5	63.5	38.4	16.1	75.4	310
	21	100.0	100.0	100.0	99.0	96.1	91.0	72.6	45.2	21.0	78.2	310
TOTALS		100.0	100.0	99.8	99.0	95.2	86.0	67.8	42.7	19.8	76.8	2479

RELATIVE HUMIDITY

14855 GLENVIEW, IL

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	100.0	99.7	96.1	86.8	71.6	44.6	24.2	78.2	310
	02	100.0	100.0	100.0	99.7	98.1	93.2	79.0	53.9	28.1	81.8	310
	03	100.0	100.0	100.0	99.7	98.7	94.8	85.2	61.3	30.6	83.5	310
	04	100.0	100.0	100.0	99.4	92.3	71.3	44.2	21.3	10.6	69.8	310
	05	100.0	100.0	98.4	86.5	61.0	38.4	23.2	13.5	5.5	58.2	310
	06	100.0	100.0	96.8	81.6	59.4	39.4	21.6	12.6	5.5	57.1	310
	07	100.0	100.0	99.7	94.5	80.0	59.7	40.0	22.6	8.1	66.3	310
	08	100.0	100.0	100.0	99.0	93.2	73.5	58.1	36.5	17.1	73.6	310
TOTALS		100.0	100.0	99.4	95.0	84.9	69.6	52.9	33.3	16.2	71.1	2480

NAVWEASERVCOM

RELATIVE HUMIDITY

19 55 GLENVIEW, IL

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.8	99.0	95.2	86.0	67.8	42.7	19.8	76.8	2479
FEB		100.0	100.0	99.9	99.0	95.9	84.8	66.2	42.4	17.5	76.2	2256
MAR		100.0	100.0	99.0	94.9	88.3	76.3	56.0	35.8	17.8	72.5	2480
APR		100.0	99.4	95.4	87.1	74.5	60.4	44.7	28.4	14.4	66.3	2400
MAY		100.0	99.8	96.1	87.1	74.2	59.5	44.8	27.7	13.2	66.1	2480
JUN		100.0	100.0	97.8	88.9	76.8	62.2	44.5	28.2	11.4	66.7	2400
JUL		100.0	100.0	99.7	94.8	82.5	66.8	50.0	30.5	9.9	69.0	2479
AUG		100.0	100.0	99.9	97.8	89.4	75.5	59.0	41.7	17.7	73.8	2480
SEP		100.0	100.0	99.7	95.6	85.4	72.0	53.6	36.1	13.4	71.4	2400
OCT		100.0	100.0	99.4	95.0	84.9	69.6	52.9	33.3	16.2	71.1	2490
NOV		100.0	100.0	99.7	97.3	90.6	77.9	61.9	40.6	19.4	74.6	2400
DEC		100.0	100.0	100.0	99.6	97.4	89.5	71.4	47.3	21.9	78.5	2478
TOTALS		100.0	99.9	98.9	94.7	86.3	73.4	56.1	36.2	16.1	71.9	29212

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14355
STATION

GLENVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JANUARY
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61				50.0					50.0	2	.1
52 TO 56			4.5	4.5	40.9	40.9	9.1			22	.9
47 TO 51	3.6			3.8	23.1	53.8	11.5		3.8	26	1.0
42 TO 46	2.0		4.1	8.2	18.4	30.6	24.5	2.0	10.2	40	2.0
37 TO 41	3.8	3.1	6.9	11.5	17.6	19.1	26.0	4.6	7.6	131	5.3
32 TO 36	5.9	5.0	7.9	6.2	11.2	20.3	24.4	7.9	11.2	340	13.7
27 TO 31	16.7	6.2	5.9	4.1	11.7	11.7	26.4	9.1	8.2	341	13.7
22 TO 26	14.7	5.9	7.1	2.3	9.0	15.0	20.1	17.5	8.5	354	14.3
17 TO 21	15.9	2.4	1.6	3.6	8.8	13.1	22.7	20.3	11.6	251	10.1
12 TO 16	15.1	.4	1.2	1.2	5.0	8.1	30.2	32.6	6.2	258	10.4
7 TO 11	12.4	.4	.8		3.5	8.5	30.6	32.9	10.9	258	10.4
2 TO 6	6.7	.5			2.1	8.8	40.4	36.3	5.2	193	7.8
-3 TO 1	6.3			.7	2.8	10.6	43.7	28.2	7.7	142	5.7
-8 TO -4						10.0	56.7	26.7	6.7	60	2.4
-13 TO -9						10.0	56.7	26.7	6.7	30	1.2
-18 TO -14	5.0					5.0	45.0	45.0		20	.8
-23 TO -19							20.0	80.0		5	.2
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.9	2.9	3.7	3.1	8.4	13.8	28.6	19.9	8.6	2482	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14755
STATION

GLENNVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

FEBRUARY
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66						28.6	71.4			7	.3
57 TO 61	5.9				23.5	41.2	17.6	11.8		17	.8
52 TO 56					21.4	39.3	25.0	7.1	7.1	29	1.2
47 TO 51	3.3	1.6	3.3	6.6	23.0	31.1	26.2	1.6	3.3	61	2.7
42 TO 46	3.7	3.7	6.4	6.4	17.9	37.6	15.6	3.7	5.5	109	4.8
37 TO 41	4.7	7.0	13.1	5.1	8.9	18.2	24.3	9.3	9.3	214	9.5
32 TO 36	9.8	14.9	14.1	3.2	8.0	14.6	18.9	8.0	8.5	376	16.7
27 TO 31	9.6	13.9	17.1	4.1	3.2	11.6	16.8	11.3	12.5	345	15.3
22 TO 26	12.4	11.8	11.8	3.4	4.3	17.3	15.2	11.8	12.1	323	14.3
17 TO 21	15.9	4.0	3.1	4.0	7.5	17.2	18.9	13.2	16.3	227	10.1
12 TO 16	22.2	2.1		3.2	2.6	15.3	14.3	26.5	13.8	180	8.4
7 TO 11	14.3	.6	2.9	.6	3.4	8.0	20.0	30.9	19.4	175	7.8
2 TO 6	11.9		3.7	1.8	2.8	8.3	37.6	23.9	10.1	109	4.8
-3 TO 1	5.9				3.9	27.5	35.3	19.6	7.8	51	2.3
-8 TO -4						22.2	50.0	27.8		18	.8
-13 TO -9							71.4		28.6	7	.3
-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	10.9	7.8	9.0	3.4	6.6	16.8	20.2	13.8	11.4	2256	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14355
STATION

GLENVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

MARCH
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					25.0	50.0	25.0			4	.2
72 TO 76					9.1	63.6	27.3			11	.4
67 TO 71					21.1	52.6	26.3			19	.8
62 TO 66			1.5	4.4	32.4	45.6	14.7	1.5		69	2.7
57 TO 61		3.3		12.0	37.0	30.4	14.1	3.3		92	3.7
52 TO 56	2.9	.7	4.3	14.5	23.2	23.9	14.5	8.7	7.2	138	5.6
47 TO 51	4.7	4.7	8.3	9.5	18.3	20.1	18.9	8.3	7.1	169	6.8
42 TO 46	7.0	7.9	10.3	4.3	16.2	11.9	16.9	9.6	15.9	302	12.2
37 TO 41	8.9	15.2	17.5	5.9	5.7	9.3	13.6	14.5	9.3	440	17.7
32 TO 36	13.2	15.6	16.9	4.5	4.7	10.0	13.9	9.4	11.7	531	21.4
27 TO 31	14.3	14.9	13.7	1.8	2.1	6.0	15.2	13.4	18.5	335	13.5
22 TO 26	14.7	5.3	7.9	1.6	4.2	9.5	18.4	23.7	14.7	197	7.7
17 TO 21	19.4	1.1	9.7		3.2	6.5	16.1	32.3	11.8	93	3.8
12 TO 16	6.7	1.7	3.3		6.7	11.7	30.0	23.3	16.7	60	2.4
7 TO 11	11.8					5.9	41.2	23.5	17.6	17	.7
2 TO 6					11.1		44.4	33.3	11.1	9	.4
-3 TO 1							100.0			1	.0
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.8	10.0	11.7	4.9	10.0	13.2	16.1	12.7	11.6	2479	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1455
STATION

GLENVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

APRIL
MONTH

HOURS
PER DAY

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				3	.1
82 TO 86					10.0	45.0	35.0	5.0	5.0	20	.8
77 TO 81			3.2	9.7	16.1	51.6	19.4			31	1.3
72 TO 76			3.4	1.7	28.8	44.1	18.6	1.7	1.7	59	2.5
67 TO 71	1.8	.9	5.3	5.3	31.0	36.3	12.4	1.8	5.3	113	4.7
62 TO 66	1.1	1.6	4.3	6.4	37.8	28.2	11.7	3.7	5.3	188	7.8
57 TO 61	4.8	4.8	12.0	11.1	19.7	17.8	15.9	5.3	8.7	208	8.7
52 TO 56	5.3	9.8	16.2	10.2	15.5	11.7	14.7	9.8	6.8	265	11.0
47 TO 51	9.1	18.0	15.3	9.1	11.2	5.3	10.3	8.0	13.6	339	14.1
42 TO 46	15.8	20.3	17.2	7.9	3.3	3.6	12.4	7.7	11.7	418	17.4
37 TO 41	15.2	21.8	17.3	3.6	2.1	3.6	9.6	7.2	19.7	335	14.0
32 TO 36	16.5	24.4	12.0	5.2	2.1	4.5	7.6	10.0	17.9	291	12.1
27 TO 31	12.4	21.3	13.5		1.1	2.2	7.9	14.6	27.0	89	3.7
22 TO 26	11.5	3.8	15.4				15.4	30.8	23.1	26	1.1
17 TO 21	9.1						45.5	45.5		11	.5
12 TO 16								50.0	50.0	4	.2
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	10.0	14.6	13.3	6.8	11.6	11.5	12.0	7.8	12.5	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14355
STATION

GLENNVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

MAY
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					100.0					1	.0
87 TO 91			6.5	9.7	25.8	41.9	12.9	3.2		31	1.3
82 TO 86			4.0	13.3	24.0	38.7	13.3	6.7		75	3.0
77 TO 81		5.6	8.0	10.4	20.8	22.4	23.2	6.4	3.2	125	5.0
72 TO 76	.5	3.9	13.1	7.8	18.0	24.8	19.4	6.3	6.3	206	8.3
67 TO 71	1.4	6.4	14.2	8.2	16.4	21.7	15.3	5.0	11.4	281	11.3
62 TO 66	2.9	13.0	16.0	5.9	11.7	14.0	16.6	5.5	14.3	307	12.4
57 TO 61	8.4	17.0	21.7	6.5	8.6	7.3	8.9	3.1	18.3	382	15.4
52 TO 56	7.8	20.6	19.9	5.2	4.0	5.0	7.3	8.0	22.2	423	17.1
47 TO 51	15.8	29.6	15.5	4.3	.6	1.7	4.9	8.9	18.7	348	14.0
42 TO 46	17.5	26.8	11.9	2.1	1.0	1.0	7.2	4.6	27.8	194	7.8
37 TO 41	28.1	22.5	7.9			3.4	7.9	7.9	22.5	89	3.6
32 TO 36	11.1	16.7	5.6				11.1	5.6	50.0	18	.7
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.9	16.3	15.4	6.0	9.1	11.5	11.4	6.1	16.3	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14855
STATION

GLENVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JUNE
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					22.2	44.4	33.3			9	9.4
87 TO 91	2.7	1.4	1.4	2.7	9.5	47.3	31.1	4.1		74	3.1
82 TO 86	1.1	2.9	7.5	4.0	16.1	30.5	29.9	5.2	2.9	174	7.3
77 TO 81	1.9	5.1	11.7	5.8	14.4	24.5	26.1	6.2	4.3	257	10.7
72 TO 76	4.2	5.6	12.0	6.6	12.9	20.0	18.3	8.5	12.0	426	17.8
67 TO 71	4.6	9.9	10.8	9.9	11.0	13.2	15.0	7.3	18.1	453	18.9
62 TO 66	6.5	12.3	12.3	6.0	9.6	8.2	16.1	6.3	22.8	416	17.3
57 TO 61	10.0	23.0	12.4	3.0	3.3	6.1	12.4	3.9	25.8	330	13.8
52 TO 56	19.4	28.8	12.0		.5	1.0	3.1	2.6	32.5	191	8.0
47 TO 51	31.3	26.6	3.1					4.7	34.4	64	2.7
42 TO 46	16.7							16.7	66.7	6	.3
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	6.9	12.0	10.9	5.5	9.6	14.8	16.9	6.0	17.4	2400	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14855
STATION

GLENVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JULY
MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101			12.5			75.0		12.5		8	.3
92 TO 96	3.6	1.8	1.8		3.6	28.6	57.1	1.8	1.8	56	2.3
87 TO 91	5.0	1.3	8.1	1.9	11.9	28.1	34.4	6.9	2.5	160	6.5
82 TO 86	3.3	4.4	11.7	6.6	11.7	22.3	27.4	9.9	2.9	274	11.1
77 TO 81	3.4	9.1	15.4	7.5	10.7	19.5	18.4	7.3	8.8	441	17.8
72 TO 76	4.7	13.5	18.2	6.1	7.6	16.1	12.5	4.0	17.2	576	23.2
67 TO 71	10.3	19.0	12.3	4.7	6.7	6.1	9.6	3.4	28.0	554	22.3
62 TO 66	14.3	17.7	5.0	1.3	3.7	1.7	6.7	6.7	43.0	300	12.1
57 TO 61	9.4	14.6	1.0		1.0	3.1	6.3	9.4	55.2	96	3.9
52 TO 56	7.7								92.3	13	.5
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											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.9	12.3	12.3	4.8	7.8	14.1	15.9	5.8	20.2	2479	100.0

NAVWEASERYCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14355
STATION

GLENVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

AUGUST
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101							100.0			1	.0
92 TO 96					17.4	47.8	34.8			23	.9
87 TO 91	2.2		1.1	1.1	14.3	40.7	30.8	5.5	4.4	91	3.7
82 TO 86	1.0	2.5	5.1	4.1	13.2	33.5	29.4	7.1	4.1	197	7.9
77 TO 81	2.2	4.2	16.7	8.2	14.2	24.6	16.9	4.5	8.5	402	16.2
72 TO 76	4.8	11.4	17.5	6.5	14.2	13.7	12.3	4.5	15.1	604	24.4
67 TO 71	8.0	14.1	11.6	5.4	11.6	11.2	9.2	5.7	23.4	654	26.4
62 TO 66	9.6	12.9	7.8	2.1	3.9	6.9	9.0	6.6	41.3	334	13.5
57 TO 61	19.5	3.0	4.5	1.5		5.3	8.3	6.0	51.9	133	5.4
52 TO 56	5.7						5.7	17.1	71.4	35	1.4
47 TO 51									100.0	6	.2
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	9.3	11.8	5.0	11.1	16.1	13.7	5.5	21.3	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14355
STATION

GLENNVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

SEPTEMBER
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			25.0			50.0	25.0			4	.2
87 TO 91			6.3		15.6	25.0	53.1			32	1.3
82 TO 86	1.1	1.1	2.2	1.1	18.3	41.9	26.9	5.4	2.2	93	3.9
77 TO 81	2.4	.6	4.1	1.8	23.5	35.3	20.6	6.5	5.3	170	7.1
72 TO 76	3.2	7.4	6.3	4.2	20.4	26.8	15.8	7.7	8.1	284	11.8
67 TO 71	8.5	12.9	9.8	5.9	12.4	17.0	14.4	6.5	12.6	459	19.1
62 TO 66	9.0	15.4	13.2	7.5	6.9	11.1	9.2	6.3	21.5	479	20.0
57 TO 61	16.0	12.8	9.4	4.8	7.5	6.8	10.9	10.4	21.3	413	17.2
52 TO 56	17.5	9.1	4.2	.7	6.3	7.7	13.3	14.0	27.3	286	11.9
47 TO 51	10.1		.7		2.9	4.3	10.1	30.2	41.7	139	5.8
42 TO 46	15.6					3.1	3.1	25.0	53.1	32	1.3
37 TO 41								16.7	83.3	6	.3
32 TO 36							33.3		66.7	3	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.6	9.8	7.9	4.2	11.0	15.5	13.8	9.7	18.5	2400	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14880
STATION

LENVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

OCTOBER
MONTH

NO. OF OBS.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91							100.0			1	.0
82 TO 86					62.5	37.5				8	.3
77 TO 81				4.2	37.5	45.8	12.5			24	1.0
72 TO 76	1.3	2.5	1.3	3.8	34.2	45.6	7.6	2.5	1.3	79	3.2
67 TO 71	.6	1.3	4.5	5.1	36.5	33.3	12.2	1.9	4.5	156	6.3
62 TO 66	.4	4.9	6.0	4.6	21.2	31.8	14.1	6.0	11.0	283	11.4
57 TO 61	3.5	11.3	5.5	5.2	13.3	19.7	19.1	7.8	14.5	345	13.9
52 TO 56	4.8	11.3	7.3	3.6	11.8	17.5	18.6	7.5	17.7	441	17.8
47 TO 51	11.7	11.5	5.9	4.6	6.5	9.8	15.7	13.2	21.1	479	19.3
42 TO 46	20.6	7.2	3.3	1.9	7.2	10.3	12.0	13.9	23.4	359	14.5
37 TO 41	11.7	4.1			6.1	8.2	15.8	24.0	30.1	196	7.9
32 TO 36	4.9				2.5	7.4	14.8	24.7	45.7	81	3.3
27 TO 31						8.3	25.0	16.7	50.0	24	1.0
22 TO 26						20.0			80.0	5	.2
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											
-63 TO -59											
TOTALS	7.8	7.9	4.7	3.5	13.2	18.0	15.5	10.7	18.7	2480	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14955
STATION

LEVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

NOVEMBER
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76					30.0	60.0	10.0			10	.4
67 TO 71					10.5	52.6	21.1	5.3	10.5	19	.8
62 TO 66	1.1	1.1	2.1	2.1	23.4	51.1	9.6		9.6	94	3.9
57 TO 61	1.8	6.1	3.6	1.2	25.5	36.4	12.7	1.8	10.9	165	6.9
52 TO 56	1.3	11.3	6.7	2.5	18.0	28.5	13.4	6.3	12.1	239	10.0
47 TO 51	6.9	5.5	7.3	5.5	17.4	19.7	16.1	6.0	15.6	218	9.1
42 TO 46	10.8	10.5	10.8	4.7	11.1	17.7	17.5	7.2	9.7	361	15.0
37 TO 41	13.1	3.0	5.6	3.5	5.6	19.4	22.0	12.2	15.5	427	17.8
32 TO 36	11.9	3.1	4.4	1.8	9.0	11.4	23.8	18.9	15.8	387	16.1
27 TO 31	13.4		1.6	1.2	5.5	7.9	26.9	28.1	15.4	253	10.5
22 TO 26	15.6				5.9	7.4	31.9	21.5	17.8	135	5.6
17 TO 21	10.9				5.5	5.5	38.2	23.6	16.4	55	2.3
12 TO 16			7.1				35.7	28.6	28.6	14	.6
7 TO 11							69.2	30.8		17	.5
2 TO 6							71.4	28.6		7	.3
-3 TO 1							100.0			7	.1
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.3	4.7	5.2	2.7	11.4	19.1	21.0	12.8	13.8	2407	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14750
STATION

OLEVIEW, IL
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

DECEMBER
MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66				5.6	27.8	50.0	16.7			10	.7
57 TO 61				9.7	26.1	50.0	13.0		2.2	46	1.9
52 TO 56		2.0		2.0	32.0	48.0	4.0	4.0	8.0	57	2.0
47 TO 51		3.4	1.7	13.8	25.9	31.0	12.1	1.7	10.3	59	2.3
42 TO 46	10.5	17.1	2.9	2.9	18.1	24.8	17.1	2.9	3.8	135	4.2
37 TO 41	5.7	6.9	6.9	8.4	13.4	27.6	18.8	4.2	8.0	261	17.5
32 TO 36	10.0	7.4	8.6	4.0	10.9	18.8	18.1	9.3	12.8	569	27.0
27 TO 31	12.1	3.4	3.6	5.2	13.7	14.9	19.5	13.9	13.7	497	20.1
22 TO 26	17.4	4.0	3.7	1.6	7.8	17.1	22.1	15.3	10.9	321	13.0
17 TO 21	18.4			.5	7.0	17.8	25.4	23.8	7.0	185	7.5
12 TO 16	11.5				10.1	10.3	28.8	30.2	8.6	139	5.6
7 TO 11	5.4				8.9	5.4	33.9	37.5	8.9	112	4.5
2 TO 6	9.2					7.7	30.8	46.2	6.2	65	2.6
-3 TO 1	2.4						48.8	41.5	7.3	41	1.7
-8 TO -4							50.0	40.0	10.0	17	.4
-13 TO -9							170.0			1	.0
-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											
TOTALS	10.6	4.5	4.1	3.8	11.9	18.8	21.3	14.8	10.3	2470	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

LOCATION, IL

JANUARY 1973-DECEMBER 1992

ALL

WIND DIRECTION

YEAR	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
1973											
1974											
1975											
1976											
1977			11.1			66.7	11.1	11.1		9	.2
1978	2.2	1.1	2.2		9.7	35.5	47.3	1.1	1.1	97	.3
1979	3.1	.8	4.8	2.3	13.3	36.0	32.7	5.1	2.0	302	1.3
1980	1.7	2.7	7.1	5.2	15.2	30.9	27.0	7.3	2.9	941	2.9
1981	2.3	5.4	12.6	6.9	15.3	25.1	19.9	5.8	6.7	1454	5.0
1982	3.8	9.0	13.7	5.9	14.5	20.5	14.6	5.5	12.4	2255	7.7
1983	6.5	11.9	10.7	6.3	13.4	15.5	12.3	5.1	18.3	2700	9.3
1984	6.3	11.2	9.3	4.9	12.6	15.7	12.1	5.6	22.4	2494	8.5
1985	8.6	12.3	9.9	5.2	11.4	13.9	12.5	5.9	20.3	2220	7.6
1986	7.7	12.8	10.2	4.5	11.0	14.0	12.2	8.2	19.3	2131	7.3
1987	10.6	13.6	8.9	5.7	9.4	10.7	12.3	10.2	18.6	1907	6.5
1988	13.2	12.8	9.8	4.5	9.2	12.2	14.0	8.4	15.8	1935	6.6
1989	10.7	10.4	10.5	4.8	6.9	13.9	17.1	11.1	14.7	2090	7.2
1990	10.9	10.9	10.5	3.9	7.6	13.4	17.7	10.9	14.1	2596	8.9
1991	12.9	8.2	8.4	3.3	7.5	10.5	20.0	14.4	14.6	1884	6.4
1992	14.8	6.1	6.9	2.0	6.4	14.3	20.2	17.1	12.3	1354	4.6
1993	16.4	1.9	2.4	2.3	7.1	13.9	22.9	21.0	12.0	822	2.8
1994	15.2	.9	.9	1.4	5.4	10.8	25.3	29.5	10.5	664	2.3
1995	11.3	.3	1.2	.2	4.3	7.5	29.2	32.9	13.0	575	2.0
1996	8.4	.3	1.0	.5	2.1	8.1	38.6	34.2	6.8	383	1.3
1997	5.5			.4	2.5	12.2	43.7	28.2	7.6	238	.8
1998						11.4	54.5	28.4	5.7	88	.3
1999						7.9	60.5	21.1	10.5	38	.1
2000	5.0					5.0	45.0	45.0		20	.1
2001							20.0	80.0		5	.0
2002											
2003											
2004											
2005											
2006											
2007											
2008											
2009											
2010											
2011											
2012											
2013											
2014											
2015											
2016											
2017											
2018											
2019											
2020											
TOTALS	7.9	9.3	6.2	4.5	10.2	15.3	17.2	10.5	15.1	29214	100.0

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ville, N. C.

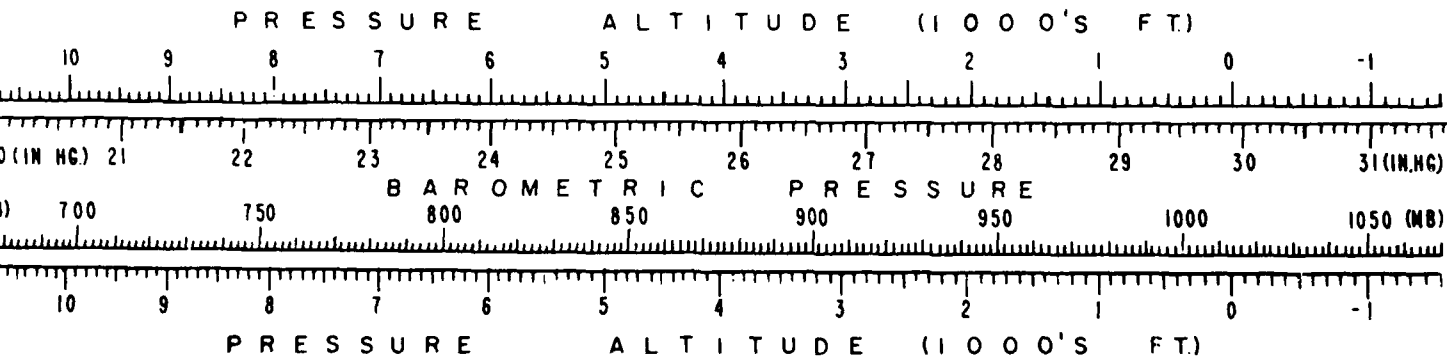
RT F PRESSURE SUMMARY

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.

Station pressure in inches of mercury.

Sea-level pressure in millibars.

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



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

1955 GLENVIEW, IL

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	1018.7 9.683 310	1019.4 9.550 282	1015.6 8.717 310	1015.7 8.495 300	1014.1 5.719 310	1014.2 5.385 300	1015.6 4.023 310	1016.8 4.161 310	1017.3 5.126 300	1017.7 6.941 310	1017.9 8.221 300	1018.0 9.081 310	1016.7 7.527 3652
01	MEAN S. D. TOTAL OBS	1018.9 9.835 310	1019.0 9.947 282	1015.2 8.941 310	1015.4 8.646 300	1013.9 5.958 310	1014.0 5.606 300	1015.3 4.165 310	1016.5 4.311 310	1017.1 5.205 300	1017.7 7.073 310	1017.8 8.362 300	1018.0 9.198 310	1016.5 7.714 3652
02	MEAN S. D. TOTAL OBS	1018.9 9.741 311	1019.2 10.128 282	1015.8 8.979 310	1016.2 8.833 300	1014.7 6.151 310	1014.7 5.803 300	1016.1 4.259 310	1017.3 4.378 310	1017.9 5.305 300	1018.2 7.197 310	1018.0 8.521 300	1018.0 9.366 310	1017.1 7.777 3653
03	MEAN S. D. TOTAL OBS	1019.8 9.708 311	1020.0 10.120 282	1016.5 8.979 310	1016.7 9.063 300	1015.0 6.164 310	1015.0 5.917 300	1016.5 4.270 310	1017.8 4.402 310	1018.5 5.330 300	1018.9 7.263 310	1018.7 8.588 300	1018.8 9.430 310	1017.7 7.854 3653
04	MEAN S. D. TOTAL OBS	1019.1 9.552 310	1019.6 9.879 282	1016.0 8.906 310	1016.2 8.970 300	1014.6 6.095 310	1014.6 5.932 300	1016.2 4.223 310	1017.3 4.345 310	1017.8 5.286 300	1018.1 7.153 310	1017.8 8.429 300	1018.0 9.550 310	1017.1 7.756 3652
05	MEAN S. D. TOTAL OBS	1018.3 9.424 310	1018.7 9.546 282	1015.0 8.671 310	1015.3 8.716 300	1013.7 5.878 310	1013.8 5.751 300	1015.3 4.175 310	1016.3 4.295 310	1016.8 5.169 300	1017.1 6.985 310	1017.2 8.194 300	1017.3 9.265 310	1016.2 7.567 3652
06	MEAN S. D. TOTAL OBS	1019.0 9.439 310	1019.4 9.276 282	1015.2 8.428 310	1015.3 8.354 300	1013.4 5.683 310	1013.4 5.485 300	1014.9 3.977 310	1016.0 4.217 310	1016.7 5.057 300	1017.5 6.860 310	1017.8 8.021 300	1018.0 9.009 309	1016.4 7.468 3651
07	MEAN S. D. TOTAL OBS	1019.0 9.708 310	1019.7 9.244 282	1015.6 8.521 310	1016.1 8.174 300	1014.2 5.539 310	1014.2 5.394 300	1015.6 3.875 310	1016.7 4.131 310	1017.3 5.084 300	1017.9 6.903 310	1018.1 8.045 300	1018.3 8.858 309	1016.9 7.408 3651
ALL HOURS	MEAN S. D. TOTAL OBS	1018.9 9.632 2432	1019.4 9.709 2256	1015.6 8.770 2480	1015.7 8.661 2400	1014.2 5.916 2480	1014.3 5.676 2400	1015.7 4.147 2480	1016.9 4.310 2480	1017.4 5.219 2400	1017.9 7.055 2480	1017.9 8.297 2400	1018.0 9.217 2478	1016.8 7.647 29216

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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

14355 GLENVIEW, IL

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
10	MEAN	29.354	29.380	29.282	29.293	29.255	29.266	29.307	29.343	29.351	29.355	29.352	29.344	29.323
	S. D.	.273	.270	.247	.242	.163	.158	.115	.119	.146	.197	.234	.258	.213
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.358	29.369	29.270	29.285	29.248	29.258	29.298	29.335	29.346	29.353	29.348	29.343	29.317
	S. D.	.277	.280	.254	.247	.169	.161	.119	.124	.149	.201	.238	.262	.218
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
14	MEAN	29.359	29.373	29.287	29.304	29.271	29.278	29.323	29.356	29.367	29.368	29.352	29.343	29.332
	S. D.	.274	.285	.256	.252	.175	.166	.122	.125	.151	.204	.243	.266	.220
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
19	MEAN	29.386	29.397	29.304	29.319	29.281	29.288	29.334	29.370	29.385	29.387	29.372	29.366	29.349
	S. D.	.273	.285	.255	.259	.177	.170	.122	.126	.152	.206	.244	.269	.222
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
17	MEAN	29.369	29.387	29.293	29.307	29.270	29.277	29.325	29.357	29.367	29.366	29.349	29.344	29.334
	S. D.	.269	.279	.252	.256	.174	.169	.120	.125	.150	.204	.240	.272	.219
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
11	MEAN	29.345	29.361	29.263	29.280	29.244	29.253	29.301	29.329	29.336	29.338	29.330	29.325	29.308
	S. D.	.266	.269	.245	.249	.168	.164	.119	.122	.147	.198	.233	.264	.214
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1	MEAN	29.362	29.378	29.268	29.280	29.235	29.241	29.289	29.318	29.334	29.349	29.347	29.344	29.312
	S. D.	.267	.261	.238	.239	.162	.157	.114	.120	.143	.194	.228	.256	.210
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
21	MEAN	29.364	29.387	29.282	29.302	29.257	29.263	29.308	29.339	29.351	29.361	29.355	29.351	29.326
	S. D.	.274	.260	.240	.235	.158	.154	.111	.119	.145	.195	.228	.251	.209
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	29.362	29.379	29.281	29.296	29.258	29.266	29.311	29.343	29.355	29.360	29.351	29.345	29.325
	S. D.	.272	.274	.248	.248	.169	.163	.119	.123	.149	.200	.236	.262	.216
	TOTAL OBS	2492	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2478	29216

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