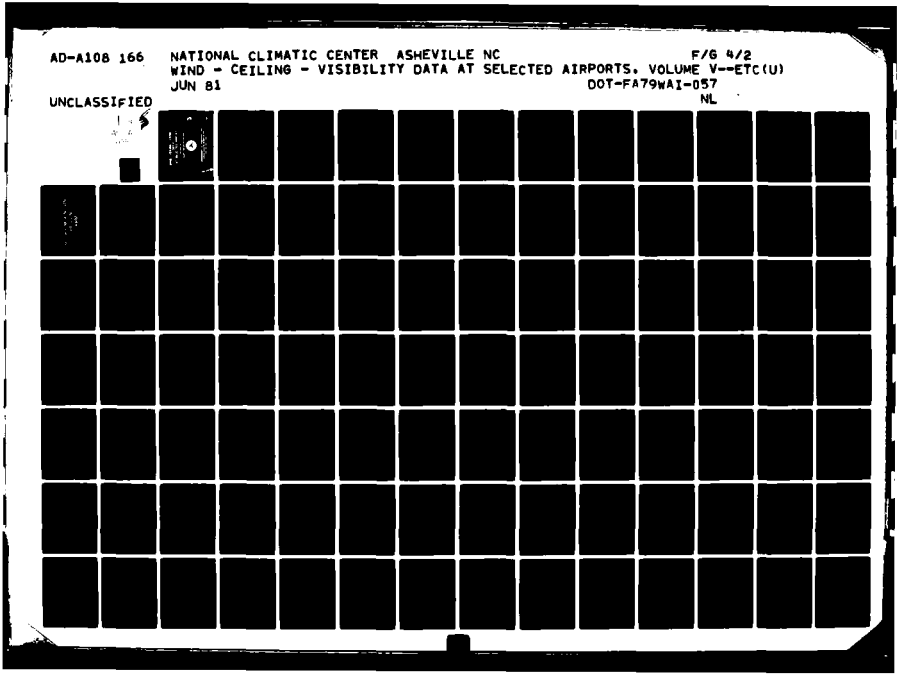
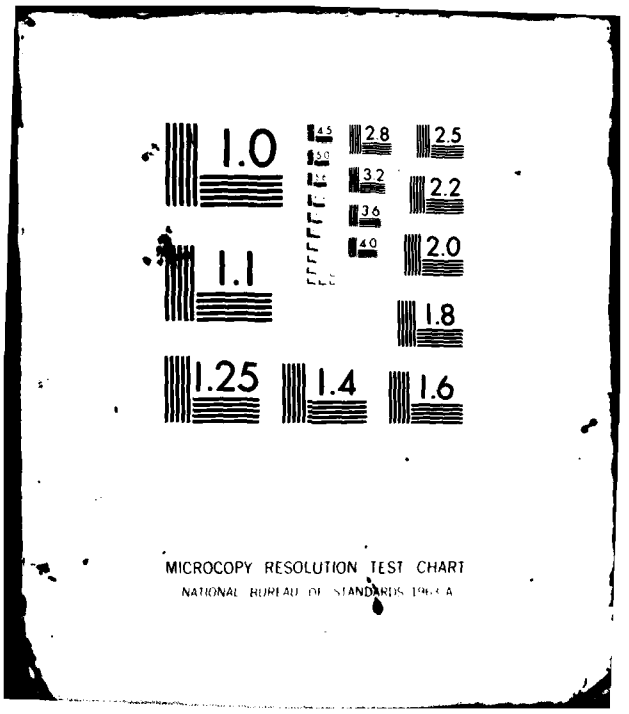
AD-A108 166 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057
UNCLASSIFIED NL




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4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

VISIBILITY DATA FOR SELECTED AIRPORTS

VOLUME VII PART A

ROCKY MOUNTAIN REGION

FEDERAL AVIATION ADMINISTRATION

AD A108166

DTIC ELECTE DEC 3 1981 D

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16. Abstract

This report provides summary tables and graphic wind roses depicting wind direction and speed under specific ceiling - visibility conditions at 283 airports. This data will be used in the application of FAA's establishment criteria for pecision and non-precision approach and landing aids.

17. Key Words	18. Distribution Statement
Ceiling, visibility, climatology	Document is available to the public through the National Technical Information Service, Springfield, Va. 22151

19. Security Classif. (of this report)	20. Security Classif. (of this page)	21. No. of Pages	22. Price
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Interagency Agreement DOT-FA79WAI-057

WIND-CEILING-VISIBILITY DATA AT SELECTED AIRPORTS

April 1981

This report has been prepared by the U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Climatic Center, Asheville, North Carolina for the Office of Aviation Policy and Plans, Federal Aviation Administration under Interagency Agreement No. DOT-FA79WAI-057. The contents of this report reflect the views of the contractor, who is responsible for the facts and accuracy of the data presented herein, and do not necessarily reflect the official views or policy of the FAA. This report does not constitute a standard, specification or regulation.

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Part B 392

Accession For
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FOREWORD

INTRODUCTION

Summary tables and graphs have been prepared to assist the FAA in the application of establishment criteria for precision and non-precision approach and landing aids. These tables and graphs depict wind direction and speed under specified ceiling and visibility conditions. This report has been prepared by the National Climatic Center for the FAA under Interagency Agreement No. DOT-FA79WAI-057.

Climatological information for selected airports is presented in 11 volumes:

Volume 1 - New England Region (ANE)
Volume 2 - Eastern Region (AEA)
Volume 3 - Southern Region (ASO)
Volume 4 - Great Lakes Region (AGL)
Volume 5 - Central Region (ACE)
Volume 6 - Southwest Region (ASW)
Volume 7 - Rocky Mountain Region (ARM)
Volume 8 - Northwest Region (ANW)
Volume 9 - Western Region (AWE)
Volume 10 - Alaskan and Pacific Regions (AAL and APC)
Volume 11 - Visibility Time Series for Key Stations

Summary tables and graphs are presented in volumes 1-10. Graphical time series of visibility measurements for key stations throughout the United States are presented in volume 11 to give the reader some insight into the climate variability that can be expected.

ELEMENT CLASSIFICATION

Twelve tables for each station depict wind direction vs. wind speed distributions. Half the tables show daytime distributions for six ceiling-visibility classes, and half show night-time distributions for the same six ceiling-visibility classes. A graphical depiction of the data in each table is also presented. An additional graph for each station depicts the combined day and night winds for all ceiling-visibility conditions.

Wind direction is grouped according to a 16-point compass (N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW) plus calm. The wind speed groups are 0-3, 4-12, 13-15, 16-18, 19-24, 25-31 and equal to or greater than 32 mph.

The ceiling-visibility criteria are defined as:

CLASS 1 = ceiling equal to or greater than 1,500 feet and visibility equal to or greater than 3 miles.

CLASS 2 = ceiling less than 1,500 feet and/or visibility less than 3 miles.

CLASS 3 = ceiling less than 1,500 feet and/or visibility less than 3 miles, but ceiling equal to or greater than 400 feet and visibility equal to or greater than 1 mile.

CLASS 4 = ceiling less than 400 feet and/or visibility less than 1 mile, but ceiling equal to or greater than 200 feet and visibility equal to or greater than 1/2 mile.

CLASS 5 = ceiling less than 200 feet and/or visibility less than 1/2 mile, but ceiling equal to or greater than 100 feet and visibility equal to or greater than 1/4 mile.

CLASS 6 = ceiling less than 100 feet and/or visibility less than 1/4 mile.

CLASS 7 = all ceiling and visibility conditions; sum of classes 1 and 2; also the sum of classes 1 and 3 through 6.

Time conditions are determined from the onset of civil twilight in the morning to the end of civil twilight in the evening. Civil twilight begins (ends) when the sun is six degrees below the horizon. It covers the somewhat indefinite period before sunrise and after sunset during which natural illumination usually remains sufficient for ordinary outdoor operations. For this report the morning (evening) times of beginning (ending) of civil twilight at a station are determined for the middle of a month. All data within this month are classified as either day or night according to these times.

DATA

The data used in the preparation of the climatological tables and graphs were extracted from the National Climatic Center's Tape Deck 1440 Hourly Surface Observations. The data contained in this deck have been digitized from the official observations recorded on station. From about 1948 through 1964 data were digitized for each hour in a day. From 1965 onward only every third hour's data were digitized. The tables and graphs in this report are based on eight observations per day (every third hour) for

the entire period of record. This was done to eliminate the data bias problems that would have been created by trying to mix the 24 observations per day prior to 1965 with the 8 observations per day after 1964.

The effect on the climatology of not using all the available data was examined for representative key stations in each region. Monthly day and night distributions were prepared for all ceiling-visibility criteria and wind speed and direction groups using 24 observations per day. A data subset was created by extracting every third observation from the hourly data set, and similar frequency distributions were prepared. The Kolmogorov-Smirnov test was applied to evaluate the hypotheses that distributions using 24 observations per day are statistically the same as distributions using 8 observations per day. The results of this procedure indicate equality of distributions in most cases. Therefore, no significant information has been lost by basing the climatologies on 8 observations per day. Exceptions are discussed in Volume 11.

The tables and graphs are also available on microfiche, and the summarized data are available on magnetic tape. This report presents annual summaries, but monthly summaries can be generated on magnetic tape. Requests for microfiche copies of this report and for data on magnetic tape should be addressed to:

Director
National Climatic Center
Federal Building
Asheville, NC 28801

The requested microfiche copies and/or tapes will be provided at cost.

TABLE LEGEND

A = number of day (night) observations in a given ceiling–visibility class, wind speed class and direction divided by the total number of day (night) observations in ceiling–visibility classes 1, 3–6, all wind speed classes and directions times 100.

B = number of day (night) observations in a given ceiling–visibility class, wind speed class and direction divided by the total number of day (night) observations in the given ceiling–visibility class and direction times 100.

C = number of day (night) observations of a given direction divided by the total number of day (night) observations in ceiling–visibility classes 1, 3–6 times 100.

D = number of day (night) observations of a given direction divided by the total number of day (night) observations in the given ceiling–visibility class times 100.

E = number of day (night) observations in a given wind speed class divided by the total number of day (night) observations in ceiling–visibility classes 1, 3–6 times 100.

F = number of day (night) observations in a given wind speed class divided by the total number of day (night) observations in the given ceiling–visibility class times 100.

G = number of day (night) observations in the given ceiling–visibility class divided by the total number of day (night) observations in ceiling–visibility classes 1, 3–6 times 100.

100 = summation of column D = summation of row F.

H = average wind speed for the given day (night) ceiling–visibility class and direction.

I = average wind speed for the given day (night) ceiling–visibility class.

J = overall period of record; see station list for actual years of record used.

Note: Ceiling–visibility class 2 is the sum of classes 3–6.

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

(J) **PERIOD:** 1949-1978

CLASS 1 / DAY

STATION NUMBER: 94702

NO. OBS.: 29909

DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.3	.3	2.6	3.1	1.1	1.4	.8	.9	.6	.8	.1	.1	.0	.0	5.5	6.6	12.6
NNE	.2	.3	1.7	2.1	.6	.7	.3	.4	.2	.3	.1	.1	.0	.0	3.2	3.8	11.3
NE	.3	.4	2.2	2.6	.9	1.0	.6	.7	.3	.4	.0	.0	.0	.0	4.3	5.1	11.5
ENE	.2	.2	1.5	1.8	.6	.7	.4	.5	.2	.3	.0	.1	.0	.0	3.0	3.5	11.7
E	.2	.2	2.2	2.6	.8	1.0	.6	.7	.3	.4	.1	.1	.0	.0	4.2	5.0	11.9
ESE	.1	.1	1.7	2.0	.4	.5	.3	.3	.2	.2	.0	.0	.0	.0	2.7	3.2	10.9
SE	.2	.2	1.5	1.7	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.2	2.6	9.8
SSE	.1	.1	1.7	2.0	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	2.3	2.8	9.8
S	.2	.2	2.9	3.5	.7	.9	.5	.6	.3	.4	.0	.0	.0	.0	5.0	5.9	11.4
SSW	.1	.1	2.5	3.0	.7	.9	.5	.6	.3	.4	.1	.1	.0	.0	5.3	6.3	12.8
SW	.2	.3	4.6	5.4	2.0	2.4	1.3	1.6	.6	.7	.1	.1	.0	.0	8.8	10.5	12.1
WSW	.2	.2	3.8	4.5	1.8	2.2	1.3	1.5	.9	1.0	.2	.2	.0	.0	8.1	9.6	13.1
W	.1	.2	2.9	3.5	1.3	1.6	1.1	1.4	1.1	1.3	.4	.5	.1	.1	7.1	8.5	14.4
WNW	.2	.2	2.1	2.5	1.3	1.6	1.3	1.6	1.6	1.9	.7	.9	.2	.2	7.5	8.8	16.3
NW	.2	.3	2.1	2.5	1.3	1.6	1.6	1.8	1.6	1.9	.7	.9	.1	.2	7.7	9.2	16.0
NNW	.2	.2	2.1	2.5	1.2	1.4	1.1	1.3	1.3	1.5	.4	.5	.1	.1	6.3	7.5	15.1
CALM	1.1	1.3													1.1	1.3	
TOTAL	4.1	4.8	38.2	45.3	16.4	19.5	12.3	14.6	9.8	11.7	3.0	3.5	.6	.7	84.3	100	13.0

(A) (B) (C) (D) (E) (F) (G) (100) (H) (I)

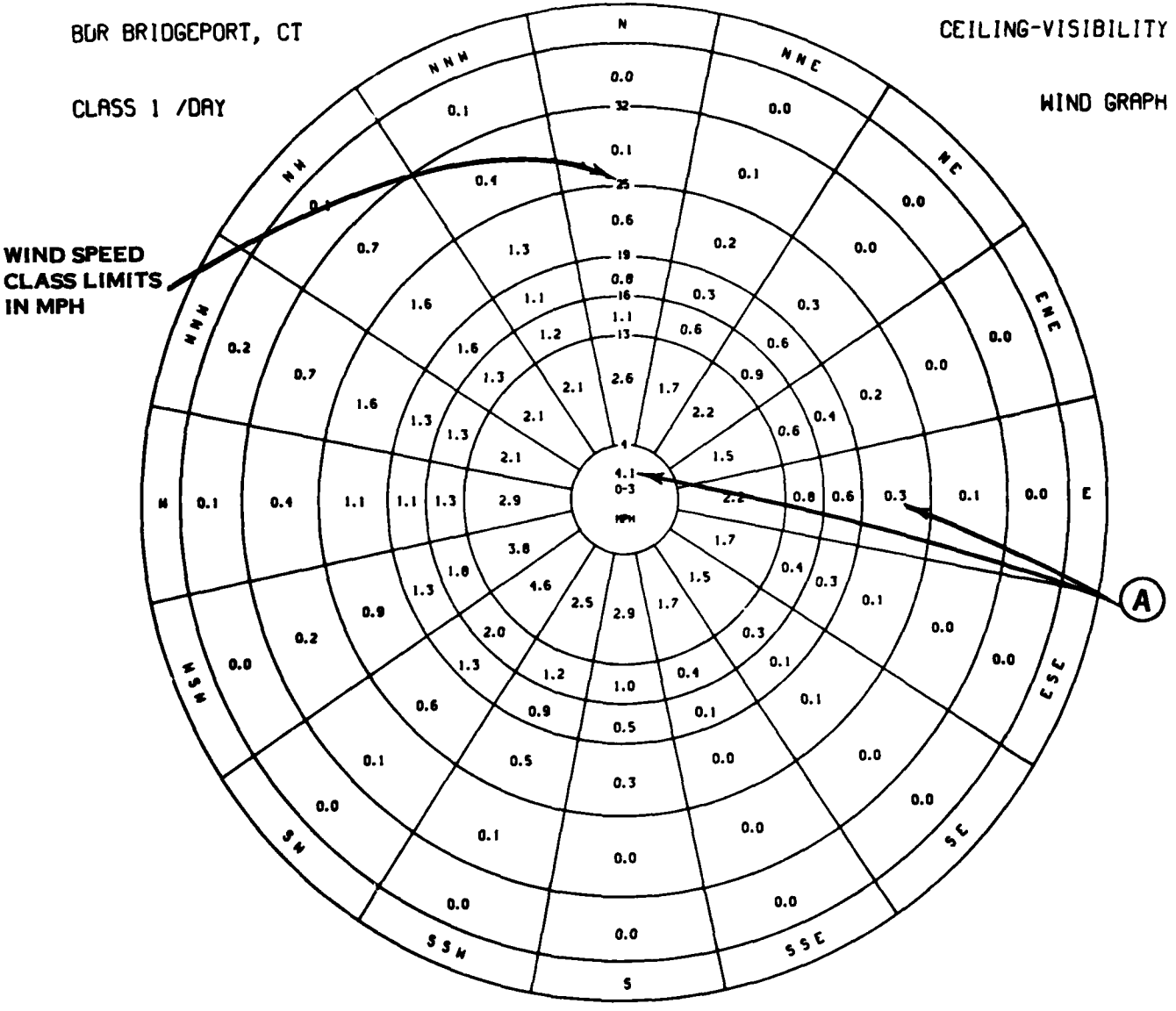
SAMPLE

BGR BRIDGEPORT, CT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



A–NUMBER OF DAY (NIGHT) OBSERVATIONS IN A GIVEN CEILING–VISIBILITY CLASS, WIND SPEED CLASS AND DIRECTION DIVIDED BY THE TOTAL NUMBER OF DAY (NIGHT) OBSERVATIONS IN CEILING–VISIBILITY CLASSES 1, 3–6, ALL WIND SPEED CLASSES AND DIRECTIONS TIMES 100.

STATION LIST

ST	CITY	AP ID	STATION NUMBER	PERIOD OF RECORD
CO				
	Colorado Springs	COS	93037	1949–1963 1965–1978
	Denver	DEN	23062	1948–1978
	Eagle	EGE	23063	1948–1978
	Grand Junction	GJT	23066	1948–1978
	Pueblo	PUB	93058	1955–1977*
MT				
	Billings	BIL	24033	1948–1978
	Cut Bank	CTB	24137	1948–1978
	Glasgow	GGW	94008	1969–1978
	Great Falls	GTF	24143	1948–1978
	Havre	HVR	94012	1967–1973*
	Helena	HLN	24144	1948–1978
	Kalispell	FCA	24146	1950–1952 1965–1978
	Lewistown	LWT	24036	1948–1978
	Miles City	MLS	24037	1948–1978
	Missoula	MSO	24153	1948–1978

ND				
Bismarck	BIS	24011	1948–1978	
Fargo	FAR	14914	1948–1978	
Grand Forks	GFK	14916	1949–1958	1974–1978
Minot	MOT	24013	1949–1978	
Williston	ISN	94014	1967–1978	
SD				
Aberdeen	ABR	14929	1948–1954	1965–1977*
Huron	HON	14936	1948–1978	
Pierre	PIR	24025	1948–1978	
Rapid City	RAP	24090	1951–1978	
Sioux Falls	FSD	14944	1948–1978	
UT				
Bryce Canyon	BCE	23159	1949–1975*	
Cedar City	CDC	93129	1949–1978	
Salt Lake City	SLC	24127	1948–1978	
WY				
Casper	CPR	24089	1951–1978	
Cheyenne	CYS	24018	1948–1978	
Lander	LND	24021	1959–1978	
Rock Springs	RKS	24027	1948–1978	
Sheridan	SHR	24029	1948–1978	

* Note: Period of record does not end in 1978.

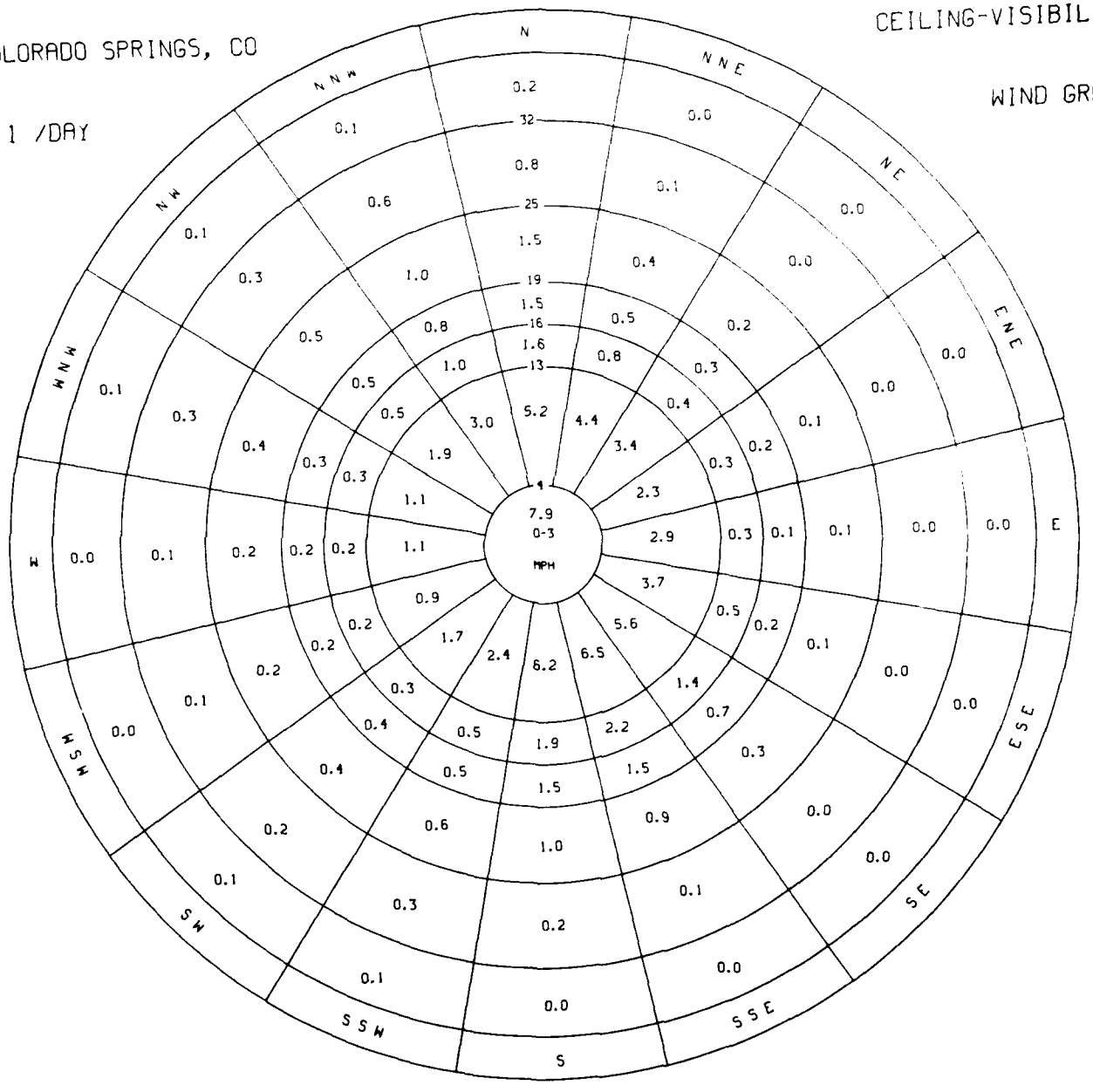
ROCKY MOUNTAIN REGION (ARM)

COS COLORADO SPRINGS, CO

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 93037

NO. OBS.: 43977

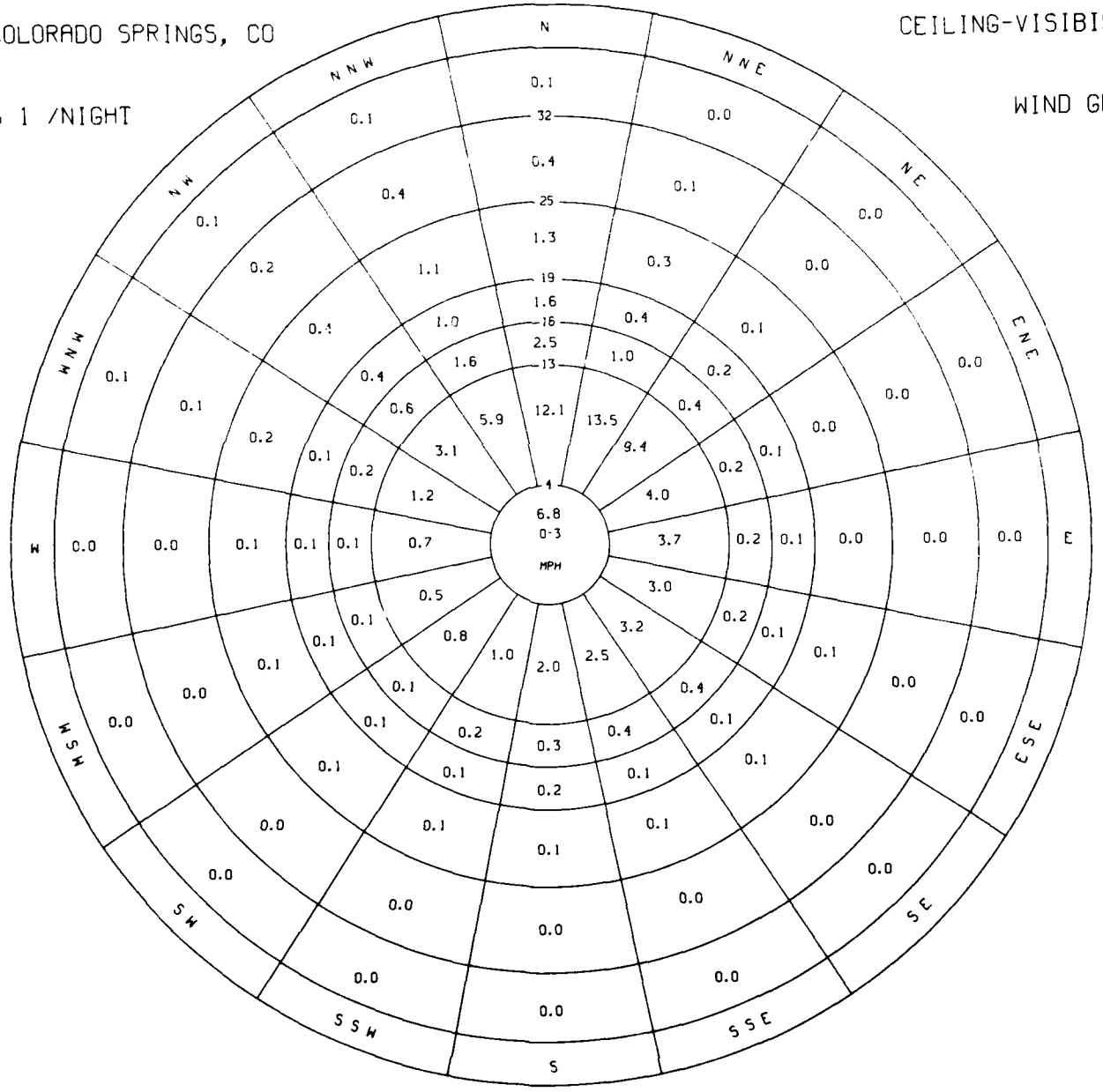
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.4	5.2	5.5	1.6	1.7	1.5	1.6	1.5	1.6	.8	.8	.2	.2	11.0	11.7	13.7
NNE	.3	.3	4.4	4.7	.8	.9	.5	.5	.4	.5	.1	.1	.0	.0	6.5	6.9	10.5
NE	.3	.3	3.4	3.7	.4	.5	.3	.3	.2	.2	.0	.0	.0	.0	4.7	5.0	9.3
ENE	.3	.3	2.3	2.5	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.2	3.4	8.9
E	.4	.4	2.9	3.1	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	3.8	4.1	8.3
ESE	.3	.4	3.7	4.0	.5	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.9	5.2	9.0
SE	.5	.5	5.6	5.9	1.4	1.5	.7	.8	.3	.4	.0	.1	.0	.0	8.5	9.1	10.3
SSE	.4	.4	6.5	7.0	2.2	2.4	1.5	1.6	.9	1.0	.1	.1	.0	.0	11.8	12.5	11.7
S	.5	.5	6.2	6.6	1.9	2.0	1.5	1.6	1.0	1.1	.2	.2	.0	.0	11.2	12.0	11.7
SSW	.3	.3	2.4	2.6	.5	.6	.5	.5	.6	.6	.3	.3	.1	.1	4.6	4.9	12.5
SW	.3	.3	1.7	1.8	.3	.4	.4	.4	.4	.4	.2	.2	.1	.1	3.3	3.5	12.2
WSW	.2	.2	.9	1.0	.2	.2	.2	.2	.2	.2	.1	.1	.0	.0	1.9	2.0	11.6
W	.2	.2	1.1	1.1	.2	.2	.2	.2	.2	.2	.1	.2	.0	.0	2.1	2.2	11.7
WNW	.2	.2	1.1	1.2	.3	.3	.3	.3	.4	.4	.3	.3	.1	.1	2.8	2.9	14.5
NW	.3	.3	1.9	2.0	.5	.5	.5	.5	.5	.6	.3	.3	.1	.1	4.0	4.3	13.1
NNW	.2	.2	3.0	3.2	1.0	1.0	.8	.9	1.0	1.1	.6	.6	.1	.1	6.7	7.2	14.2
CALM	2.9	3.1													2.9	3.1	
TOTAL	7.9	8.4	52.5	55.8	12.5	13.3	9.3	9.9	7.9	8.4	3.2	3.4	.7	.8	94.0	100	11.2

COS COLORADO SPRINGS, CO

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 003 COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 93037

NO. OBS.: 35132

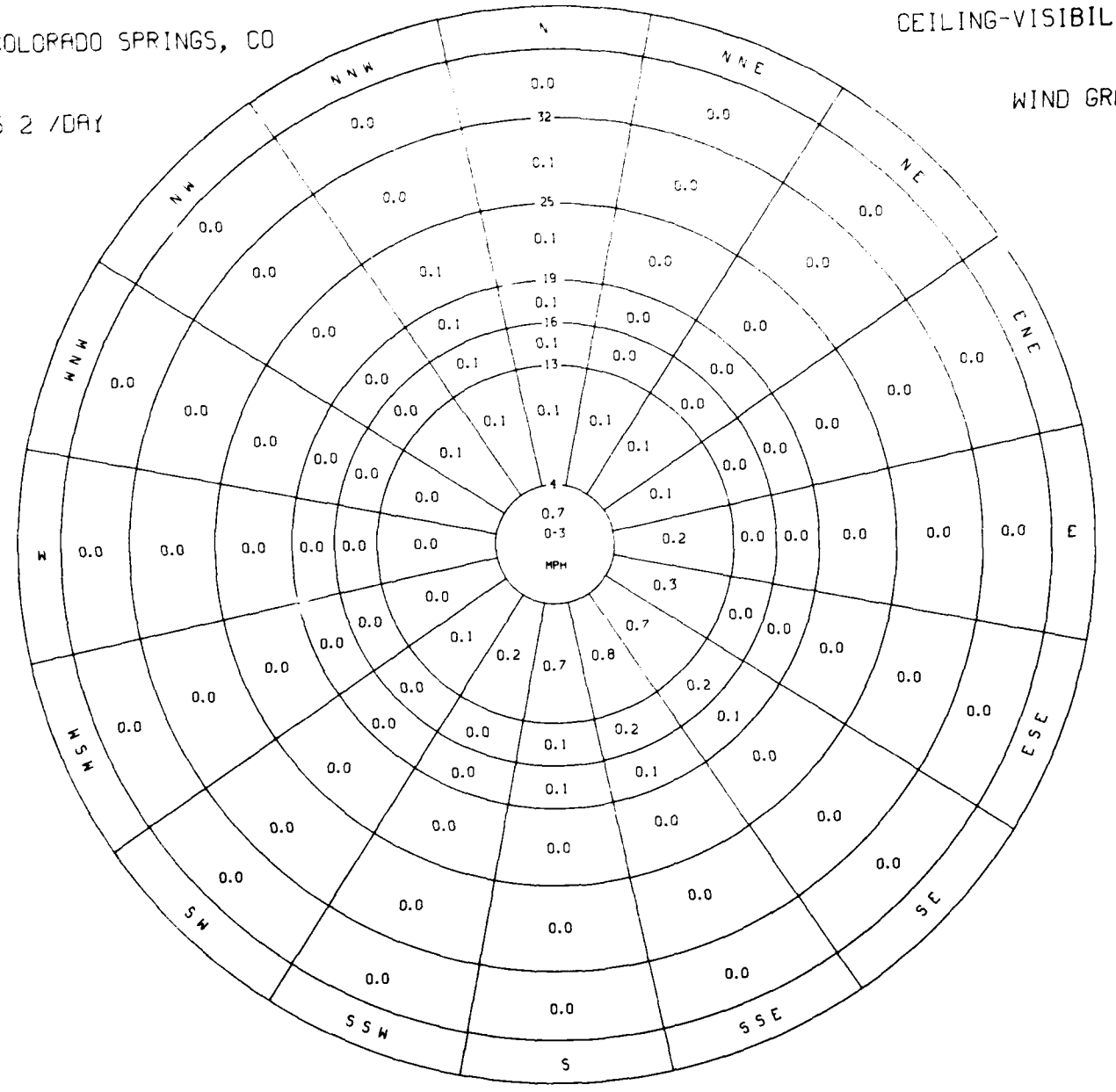
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.5	.5	12.1	13.1	2.5	2.7	1.6	1.7	1.3	1.4	.4	.4	.1	.1	18.5	20.0	11.3
NNE	.4	.5	13.5	14.5	1.0	1.1	.4	.5	.3	.3	.1	.1	.0	.0	15.8	17.0	9.0
NE	.5	.5	9.4	10.1	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	10.6	11.5	8.1
ENE	.4	.4	4.0	4.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.8	5.2	7.6
E	.4	.4	3.7	4.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.5	4.8	7.6
ESE	.3	.3	3.0	3.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.7	4.0	8.1
SE	.3	.4	3.2	3.5	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	4.1	4.4	8.5
SSE	.3	.3	2.5	2.7	.4	.4	.1	.2	.1	.1	.0	.0	.0	.0	3.4	3.7	9.0
S	.3	.3	2.0	2.1	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.1	9.1
SSW	.1	.1	1.0	1.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.5	1.7	10.1
SW	.1	.2	.8	.8	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.3	1.4	10.4
WSW	.1	.1	.5	.6	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.0	1.0	10.4
W	.1	.1	.7	.8	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.1	1.2	9.9
WNW	.2	.2	1.2	1.3	.2	.2	.1	.1	.2	.2	.1	.1	.1	.1	2.0	2.1	11.6
NW	.3	.3	3.1	3.3	.6	.6	.4	.5	.4	.4	.2	.2	.1	.1	5.0	5.4	11.5
NNW	.3	.3	5.9	6.4	1.6	1.7	1.0	1.1	1.1	1.2	.4	.4	.1	.1	10.4	11.3	12.3
CALM	2.2	2.4													2.2	2.4	
TOTAL	6.8	7.3	66.6	71.9	8.5	9.2	4.9	5.3	4.1	4.4	1.4	1.5	.3	.3	92.6	100	9.6

COS COLORADO SPRINGS, CO

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 93037

NO. OBS.: 2817

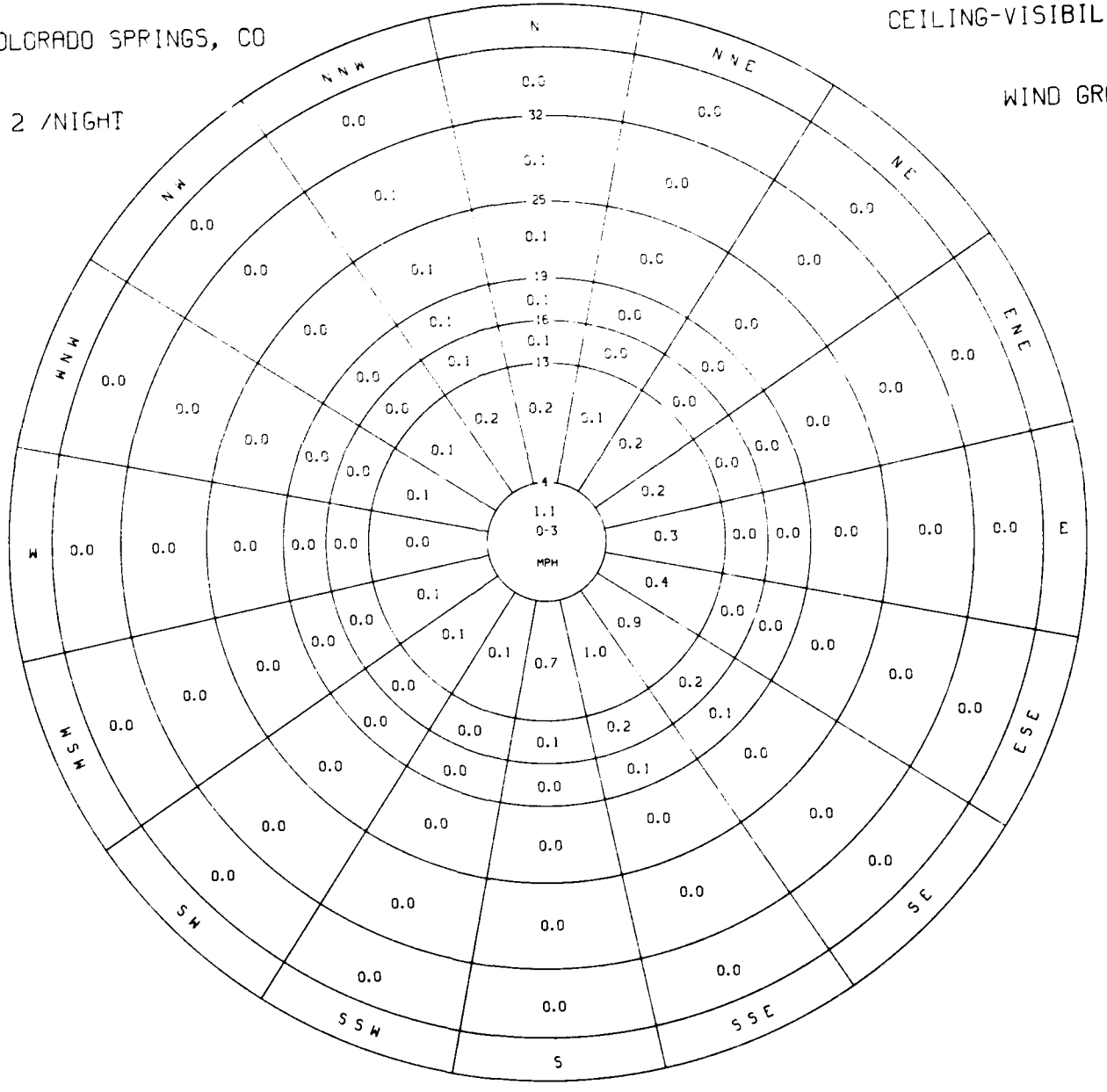
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.1	1.9	.1	1.0	.1	.9	.1	1.2	.1	.9	.0	.6	.4	6.7	17.8
NNE	.0	.2	.1	1.0	.0	.3	.0	.2	.0	.5	.0	.1	.0	.0	.1	2.3	12.3
NE	.0	.0	.1	1.5	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.1	2.3	10.9
ENE	.0	.3	.1	2.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.1	8.2
E	.1	.9	.2	3.3	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.3	5.0	8.2
ESE	.0	.4	.3	5.3	.0	.7	.0	.3	.0	.2	.0	.0	.0	.0	.4	6.9	9.1
SE	.0	.5	.7	11.4	.2	2.9	.1	1.2	.0	.4	.0	.1	.0	.0	1.0	16.5	10.2
SSE	.0	.6	.8	13.3	.2	3.9	.1	1.6	.0	.7	.0	.0	.0	.0	1.2	20.2	10.6
S	.1	.9	.7	11.4	.1	1.8	.1	1.2	.0	.1	.0	.0	.0	.0	.9	15.4	9.2
SSW	.0	.7	.2	2.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.5	6.9
SW	.0	.4	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	6.2
WSW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.3
W	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.7
WNW	.0	.3	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	1.3	10.6
NW	.0	.3	.1	1.0	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.1	2.0	11.0
NNW	.0	.4	.1	1.6	.1	.9	.1	.9	.1	1.8	.0	.7	.0	.6	.4	6.9	17.8
CALM	.3	4.4													.3	4.4	
TOTAL	.7	11.1	3.6	59.9	.8	13.2	.4	7.2	.3	5.2	.1	1.9	.1	1.4	6.0	100	10.3

COS COLORADO SPRINGS, CO

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 93037

NO. OBS.: 2794

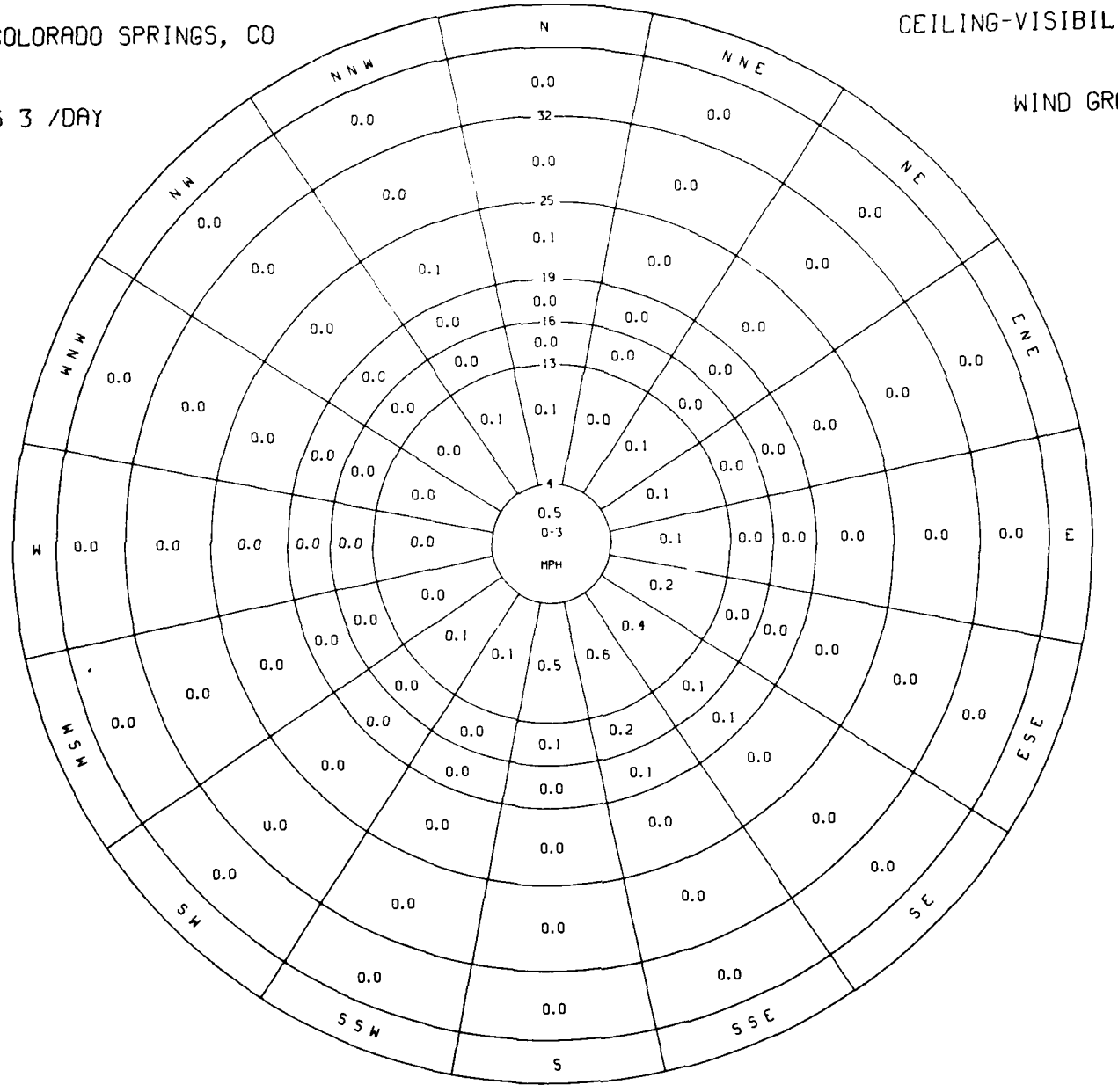
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.2	3.3	.1	.8	.1	.7	.1	1.0	.1	.8	.0	.3	.5	7.4	14.4
NNE	.0	.3	.1	2.0	.0	.5	.0	.1	.0	.2	.0	.1	.0	.0	.2	3.1	9.3
NE	.0	.4	.2	2.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.5	7.5
ENE	.1	.7	.2	2.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.4	6.5
E	.0	.5	.3	4.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4	5.8	7.9
ESE	.0	.6	.4	5.8	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5	7.1	8.0
SE	.1	.9	.9	12.2	.2	2.3	.1	.9	.0	.3	.0	.0	.0	.0	1.2	16.5	9.5
SSE	.1	1.3	1.0	14.0	.2	2.8	.1	1.0	.0	.3	.0	.0	.0	.0	1.4	19.4	9.4
S	.1	1.1	.7	9.3	.1	.9	.0	.3	.0	.1	.0	.0	.0	.0	.9	11.8	8.0
SSW	.0	.6	.1	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.7	6.5
SW	.0	.3	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	6.1
WSW	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.4
W	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	4.3
WNW	.0	.5	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	4.9
NW	.0	.6	.1	1.7	.0	.2	.0	.3	.0	.2	.0	.1	.0	.0	.2	3.1	9.4
NNW	.0	.3	.2	2.5	.1	.8	.1	.7	.1	.9	.1	.7	.0	.3	.5	6.2	14.9
CALM	.4	5.7													.4	5.7	
TOTAL	1.1	14.8	4.9	66.0	.7	9.6	.3	4.3	.2	3.1	.1	1.7	.0	.6	7.4	100	8.8

COS COLORADO SPRINGS, CO

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 93037

NO. OBS.: 1961

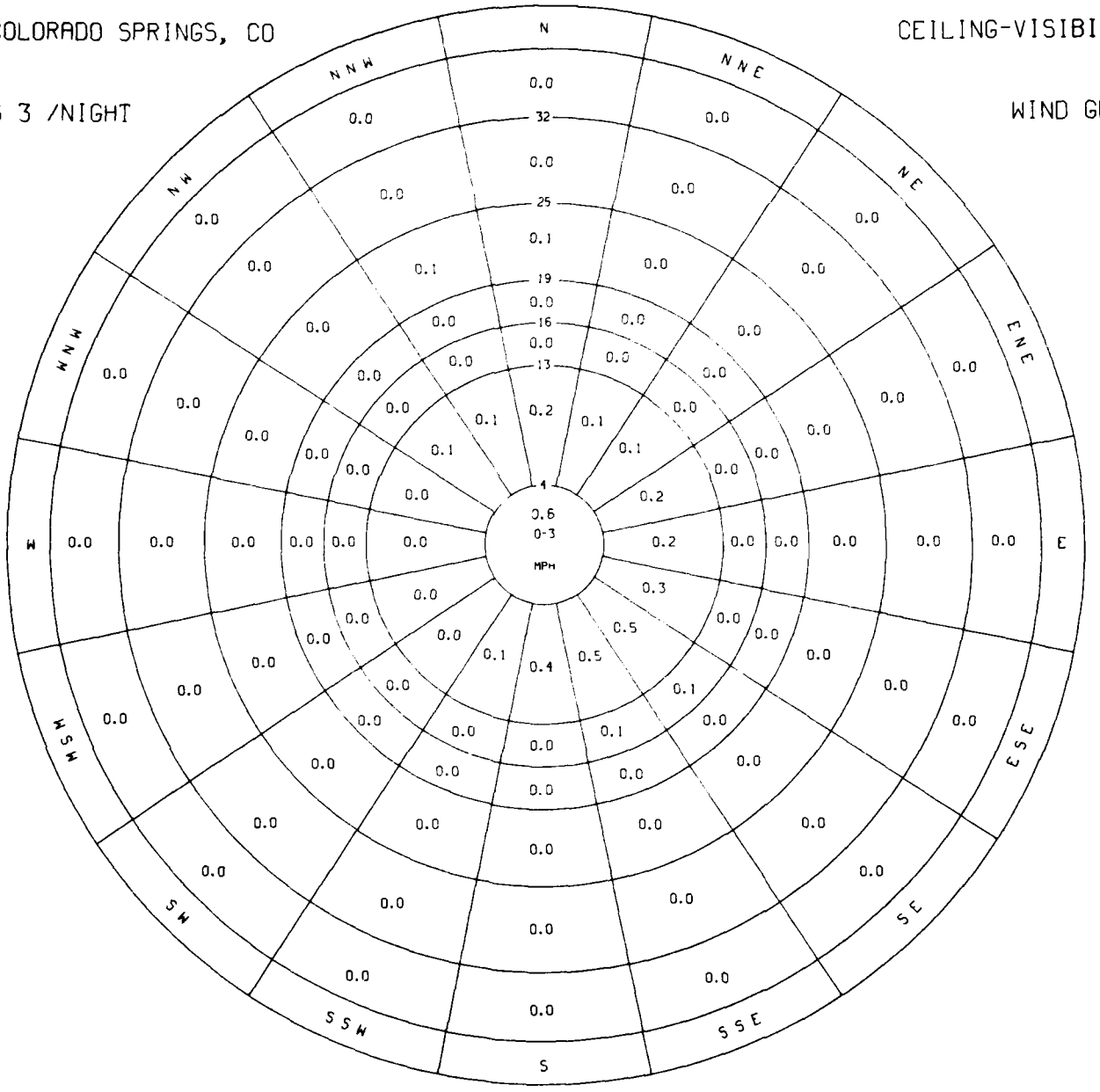
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.1	1.8	.0	.9	.0	1.1	.1	1.4	.0	.9	.0	.4	.3	6.7	17.4
NNE	.0	.3	.0	1.1	.0	.3	.0	.3	.0	.5	.0	.0	.0	.0	.1	2.3	11.7
NE	.0	.1	.1	1.8	.0	.2	.0	.4	.0	.2	.0	.0	.0	.0	.1	2.5	10.7
ENE	.0	.4	.1	2.4	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.3	8.5
E	.0	1.0	.1	3.4	.0	.5	.0	.2	.0	.1	.0	.0	.0	.1	.2	5.3	8.2
ESE	.0	.4	.2	5.9	.0	.5	.0	.3	.0	.2	.0	.0	.0	.1	.3	7.2	8.9
SE	.0	.4	.4	10.5	.1	2.5	.1	1.2	.0	.4	.0	.2	.0	.0	.6	15.2	10.3
SSE	.0	.5	.6	13.2	.2	3.8	.1	1.6	.0	.8	.0	.0	.0	.0	.8	19.8	10.7
S	.0	.8	.5	11.8	.1	1.8	.0	1.1	.0	.2	.0	.0	.0	.0	.7	15.6	9.3
SSW	.0	.7	.1	2.9	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2	3.9	7.1
SW	.0	.3	.1	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	6.5
WSW	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.1
W	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.6
WNW	.0	.2	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	.1	1.3	13.0
NW	.0	.3	.0	1.0	.0	.3	.0	.3	.0	.2	.0	.2	.0	.0	.1	2.2	11.5
NNW	.0	.5	.1	1.6	.0	1.0	.0	.8	.1	2.0	.0	.5	.0	.5	.3	6.8	17.2
CALM	.2	4.3													.2	4.3	
TOTAL	.5	10.9	2.5	60.6	.5	12.4	.3	7.2	.2	5.8	.1	1.8	.1	1.2	4.2	100	10.3

COS COLORADO SPRINGS, CO

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 93037

NO. OBS.: 1653

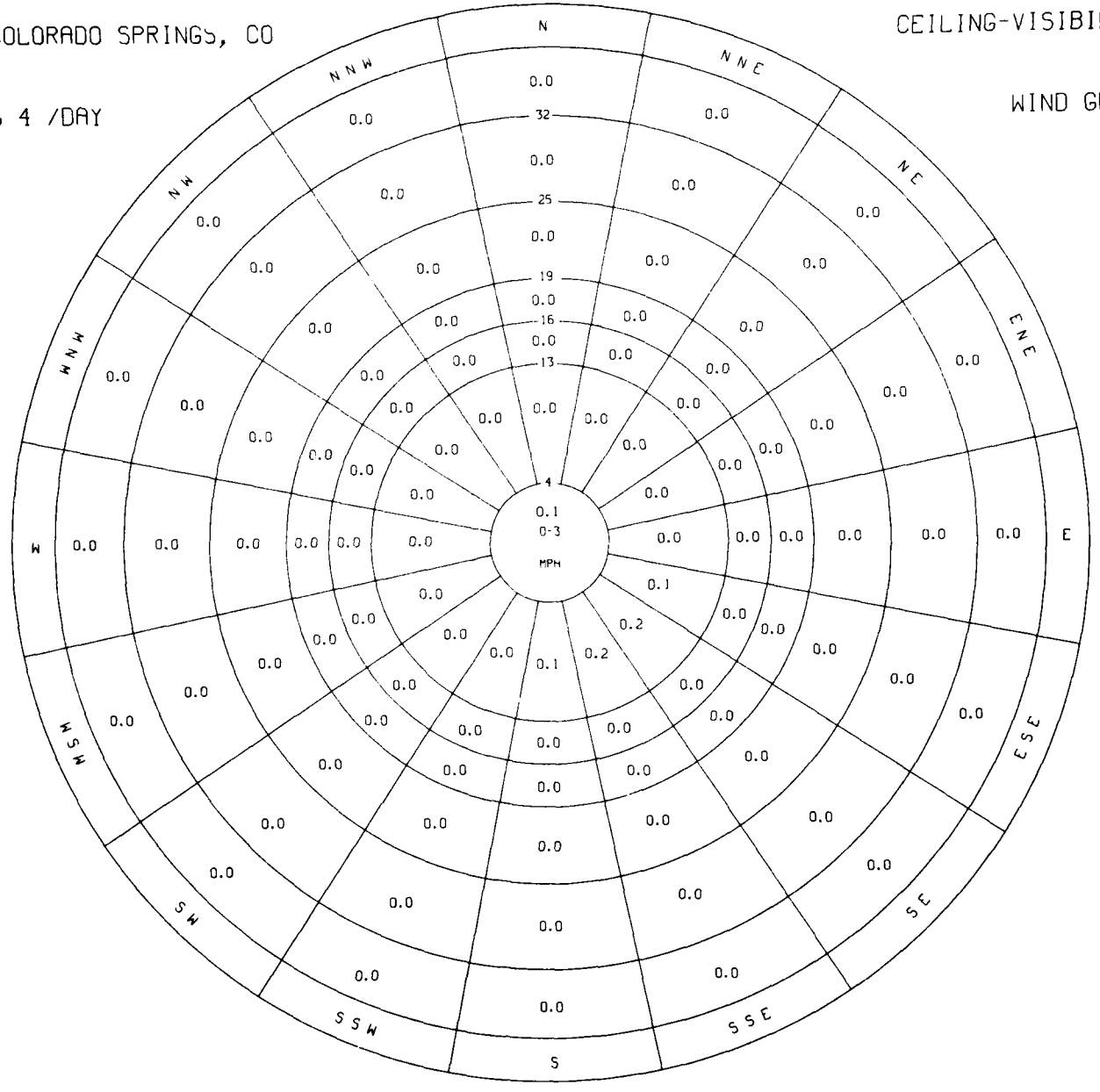
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.2	4.5	.0	1.1	.0	1.0	.1	1.3	.0	1.0	.0	.2	.4	9.4	13.9
NNE	.0	.3	.1	2.2	.0	.7	.0	.1	.0	.2	.0	.0	.0	.0	.2	3.5	9.5
NE	.0	.3	.1	3.2	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.2	4.1	7.9
ENE	.0	.8	.2	3.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.4	6.7
E	.0	.7	.2	5.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	6.3	8.1
ESE	.0	.5	.3	5.7	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.3	7.0	7.8
SE	.0	.8	.5	10.9	.1	2.1	.0	.7	.0	.2	.0	.0	.0	.0	.6	14.8	9.3
SSE	.0	1.0	.5	12.4	.1	2.1	.0	.8	.0	.2	.0	.0	.0	.0	.7	16.5	9.2
S	.0	.8	.4	8.2	.0	.8	.0	.2	.0	.1	.0	.0	.0	.0	.4	10.2	8.1
SSW	.0	.4	.1	1.9	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.5	7.1
SW	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	6.8
WSW	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.3
W	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.6
WNW	.0	.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	4.8
NW	.0	.6	.1	2.1	.0	.4	.0	.4	.0	.2	.0	.1	.0	.0	.2	3.8	10.0
NNW	.0	.4	.1	3.1	.0	1.1	.0	1.0	.1	1.3	.0	.8	.0	.4	.4	8.2	15.5
CALM	.2	5.3													.2	5.3	
TOTAL	.6	13.7	2.9	65.4	.4	9.9	.2	4.6	.2	3.8	.1	2.0	.0	.6	4.4	100	9.1

COS COLORADO SPRINGS, CO

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 93037

NO. OBS.: 552

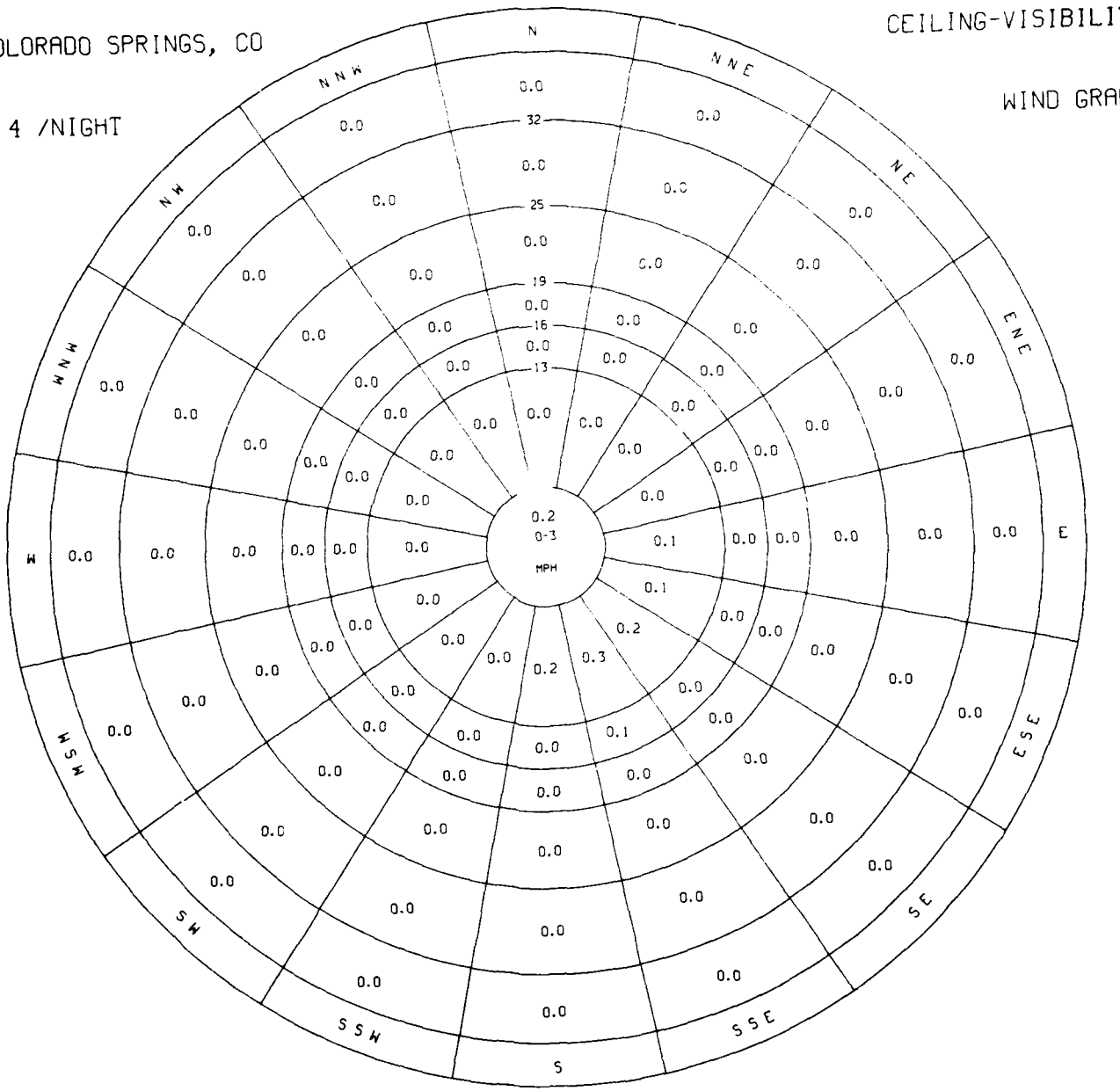
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.2	.0	1.4	.0	.4	.0	1.3	.0	.9	.0	.7	.1	6.9	17.9
NNE	.0	.4	.0	1.1	.0	.4	.0	.4	.0	.5	.0	.2	.0	.0	.0	2.9	12.7
NE	.0	.0	.0	1.4	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.4	11.1
ENE	.0	.2	.0	2.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.8
E	.0	.4	.0	2.7	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.3	9.2
ESE	.0	.4	.1	4.3	.0	.9	.0	.2	.0	.2	.0	.0	.0	.0	.1	6.0	8.9
SE	.0	.7	.2	13.4	.0	4.0	.0	1.3	.0	.4	.0	.0	.0	.0	.2	19.7	10.0
SSE	.0	.7	.2	13.8	.0	4.0	.0	1.1	.0	.5	.0	.0	.0	.0	.2	20.1	10.4
S	.0	.5	.1	9.8	.0	1.8	.0	1.6	.0	.0	.0	.0	.0	.0	.2	13.8	9.6
SSW	.0	.4	.0	1.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.0	7.2
SW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.7
WSW	.0	.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.7
W	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.5
WNW	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.4
NW	.0	.2	.0	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.6	8.9
NNW	.0	.2	.0	1.6	.0	1.1	.0	.4	.0	1.3	.0	1.3	.0	.7	.1	8.2	19.0
CALM	.1	4.3													.1	4.3	
TOTAL	.1	10.1	.7	58.2	.2	15.9	.1	7.8	.0	4.2	.0	2.4	.0	1.4	1.2	100	10.5

COS COLORADO SPRINGS, CO

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 093 COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 93037

NO. OBS.: 605

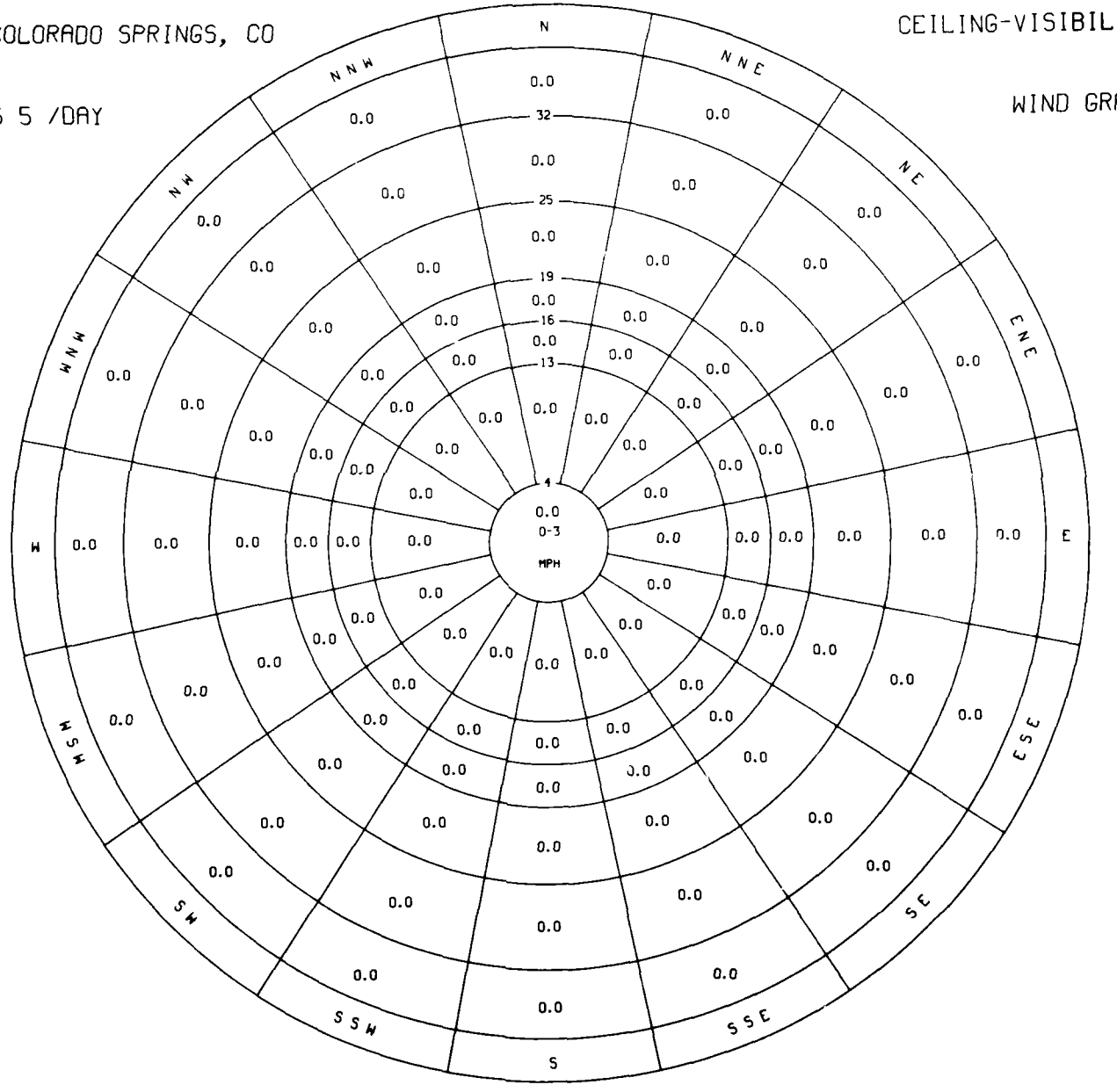
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.0	1.7	.0	.7	.0	.3	.0	1.0	.0	.8	.0	.2	.1	5.0	15.7
NNE	.0	.2	.0	2.3	.0	.3	.0	.0	.0	.2	.0	.2	.0	.0	.1	3.1	9.3
NE	.0	.3	.0	2.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.1	7.7
ENE	.0	.7	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.9
E	.0	.2	.1	4.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	7.5
ESE	.0	.0	.1	5.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	5.3	8.5
SE	.0	.8	.2	15.4	.0	2.5	.0	1.0	.0	.3	.0	.0	.0	.0	.3	20.0	9.3
SSE	.0	2.0	.3	17.0	.1	3.8	.0	1.0	.0	.3	.0	.0	.0	.0	.4	24.1	9.4
S	.0	1.3	.2	10.4	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.2	12.9	8.1
SSW	.0	1.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	5.3
SW	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.6
WSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.7
W	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
WNW	.0	.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.6
NW	.0	.3	.0	1.3	.0	.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	2.1	8.6
NNW	.0	.0	.0	2.1	.0	.5	.0	.5	.0	.7	.0	.5	.0	.0	.1	4.3	13.6
CALM	.1	4.8													.1	4.8	
TOTAL	.2	13.2	1.1	69.3	.1	9.1	.1	4.1	.0	2.6	.0	1.5	.0	.2	1.6	100	8.7

COS COLORADO SPRINGS, CO

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 93037

NO. OBS.: 155

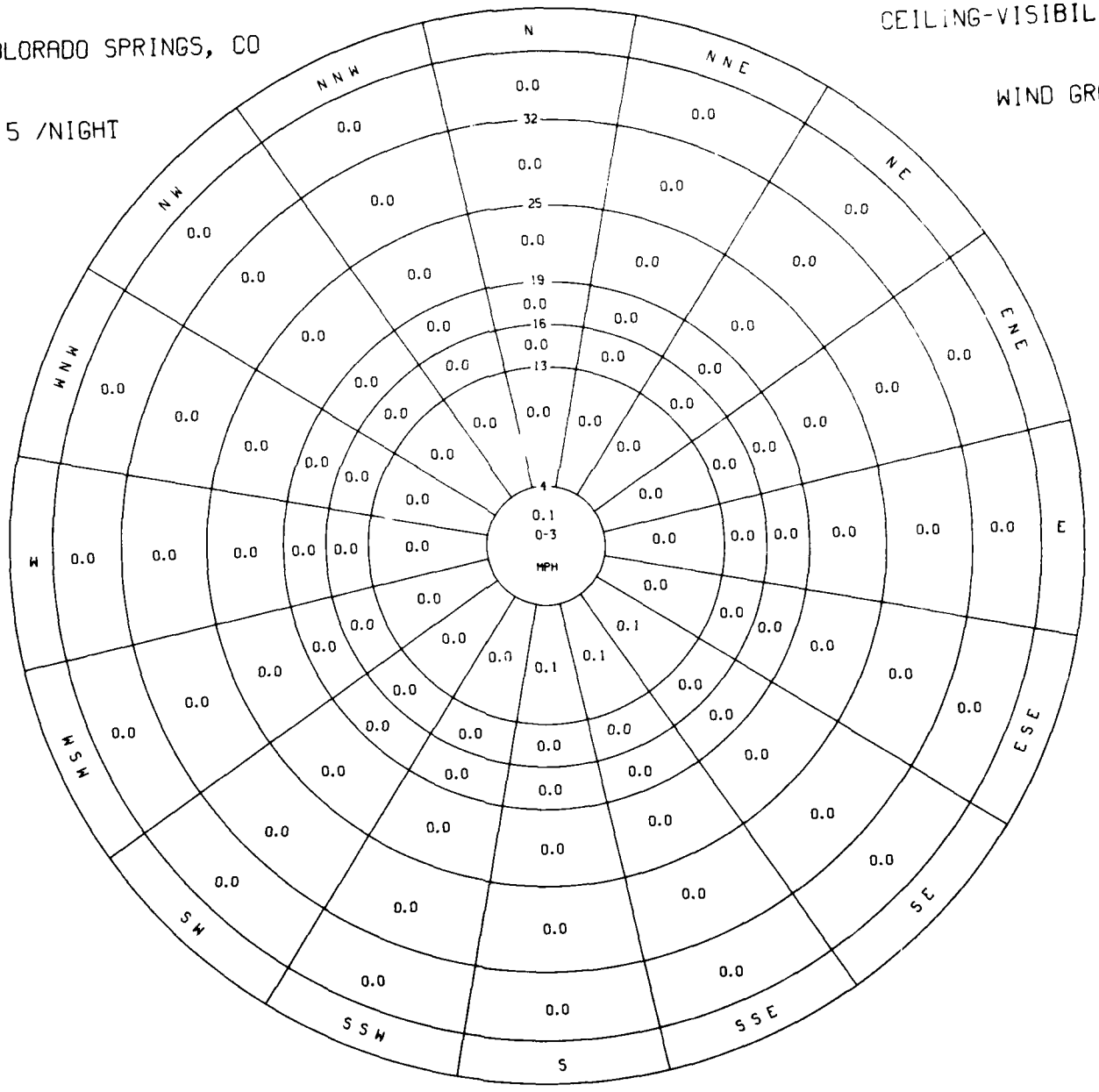
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.0	3.2	.0	.6	.0	1.3	.0	.6	.0	.6	.0	1.3	.0	8.4	16.7
NNE	.0	.0	.0	.6	.0	.6	.0	.0	.0	.6	.0	.6	.0	.0	.0	2.6	17.7
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.0
E	.0	.6	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	6.7
ESE	.0	.0	.0	3.9	.0	1.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	6.5	10.7
SE	.0	.6	.0	11.0	.0	5.2	.0	.0	.0	.6	.0	.6	.0	.0	.1	18.1	10.8
SSE	.0	.0	.0	12.3	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.0	.1	16.1	9.6
S	.0	2.6	.0	11.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	14.8	7.8
SSW	.0	.6	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	6.0
SW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.5
WSW	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.0
WNW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.0
NW	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	1.3	12.0
NNW	.0	.6	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	1.3	.0	1.9	.0	7.7	21.4
CALM	.0	7.1													.0	7.1	
TOTAL	.0	14.8	.2	58.7	.0	11.6	.0	4.5	.0	3.9	.0	3.2	.0	3.2	.3	100	10.0

COS COLORADO SPRINGS, CO

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 93037

NO. OBS.: 234

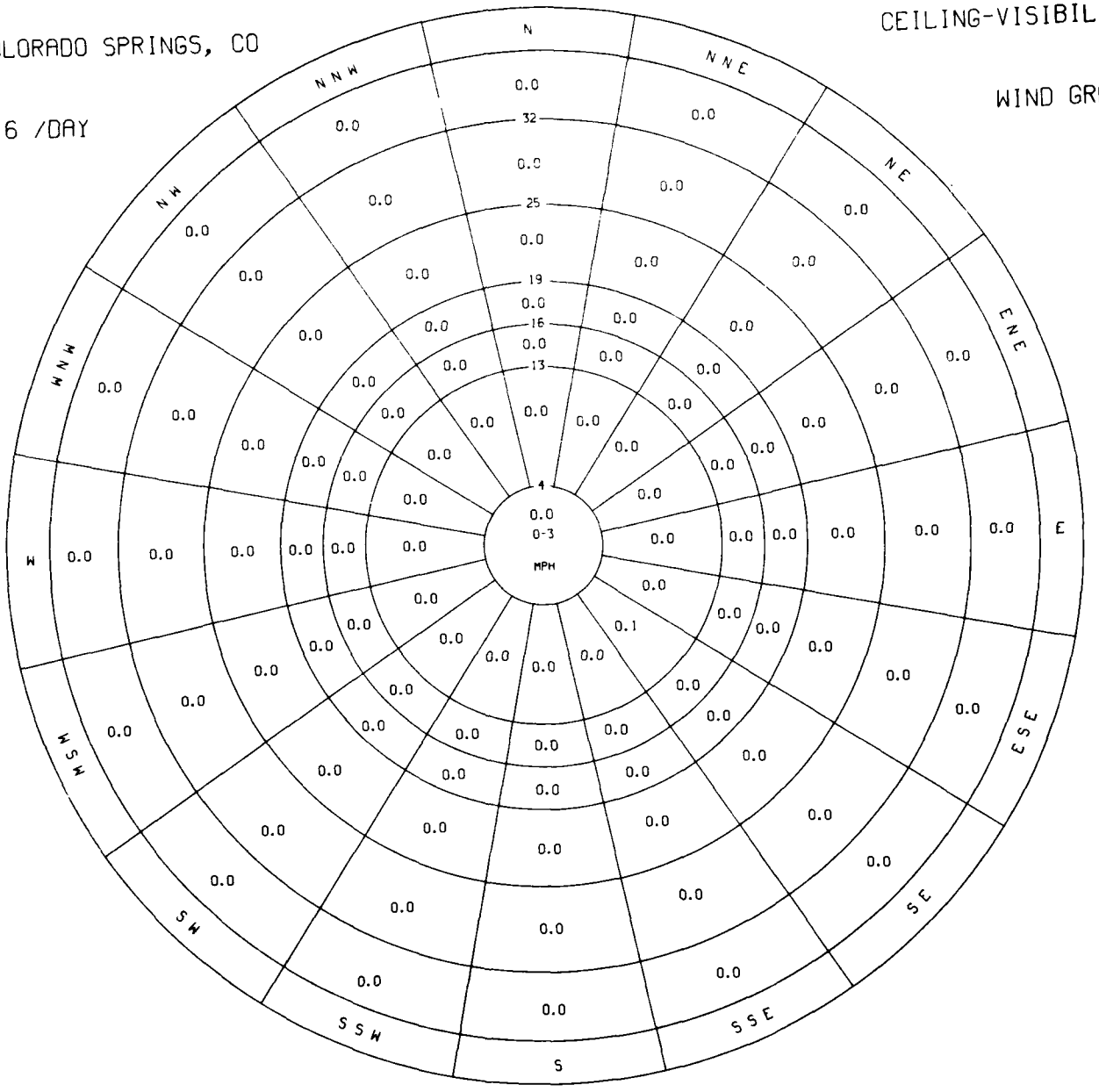
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	1.3	.0	.0	.0	.4	.0	.0	.0	.4	.0	.4	.0	3.4	13.5
NNE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.0
NE	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.1
ENE	.0	.4	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.8
E	.0	.4	.0	3.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	3.8	7.6
ESE	.0	1.7	.0	6.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.8	7.8
SE	.0	1.3	.1	11.1	.0	3.0	.0	1.3	.0	.4	.0	.0	.0	.0	.1	17.1	10.0
SSE	.0	.9	.1	15.0	.0	4.3	.0	1.7	.0	.4	.0	.0	.0	.0	.1	22.2	10.6
S	.0	1.7	.1	12.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.2	7.7
SSW	.0	.9	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.0
SW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.0
WNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
NW	.0	.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.4
NNW	.0	.9	.0	1.3	.0	.0	.0	.0	.0	.4	.0	.9	.0	.0	.0	3.4	12.2
CALM	.1	8.1													.1	8.1	
TOTAL	.1	19.7	.4	62.4	.1	11.1	.0	3.4	.0	1.7	.0	1.3	.0	.4	.6	100	8.2

COS COLORADO SPRINGS, CO

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 93037

NO. OBS.: 149

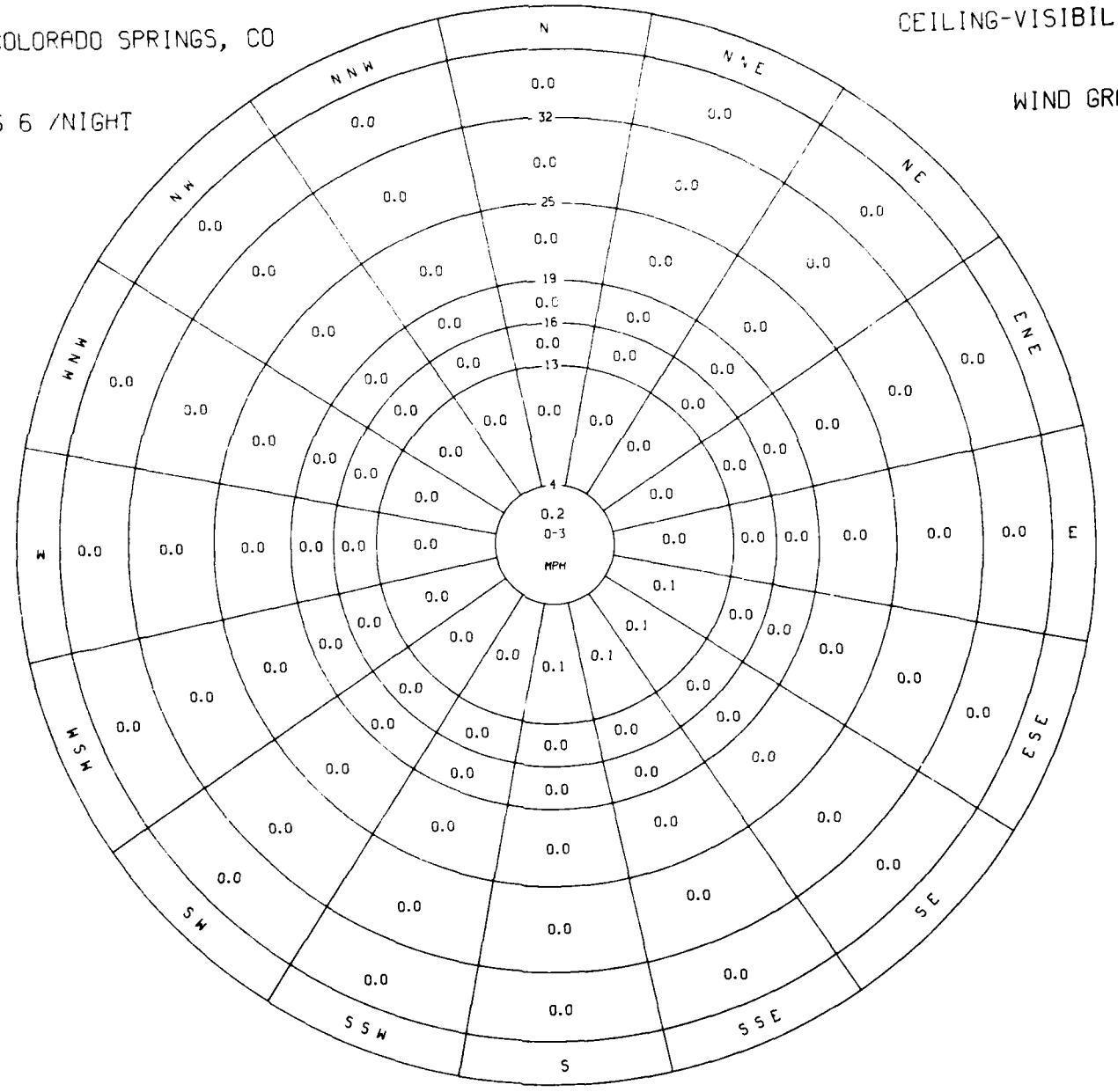
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.0	1.3	.0	.7	.0	.0	.0	.0	.0	.7	.0	2.0	.0	5.4	25.1
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	18.0
ENE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.5
E	.0	.7	.0	3.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.4
ESE	.0	.0	.0	3.4	.0	.7	.0	.7	.0	.7	.0	.0	.0	.0	.0	5.4	9.9
SE	.0	.7	.1	16.8	.0	2.0	.0	1.3	.0	.0	.0	.0	.0	.0	.1	20.8	9.8
SSE	.0	2.0	.0	15.4	.0	6.0	.0	4.0	.0	1.3	.0	.0	.0	.0	.1	28.9	11.4
S	.0	1.3	.0	13.4	.0	4.0	.0	1.3	.0	.0	.0	.0	.0	.0	.1	20.1	9.2
SSW	.0	2.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.2
SW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	1.3	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.5
NW	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0
NNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	1.3	14.0
CALM	.0	3.4													.0	3.4	
TOTAL	.0	13.4	.2	58.4	.0	14.8	.0	8.1	.0	2.7	.0	.7	.0	2.0	.3	100	10.2

COS COLORADO SPRINGS, CO

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: COS COLORADO SPRINGS, CO

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 93037

NO. OBS.: 302

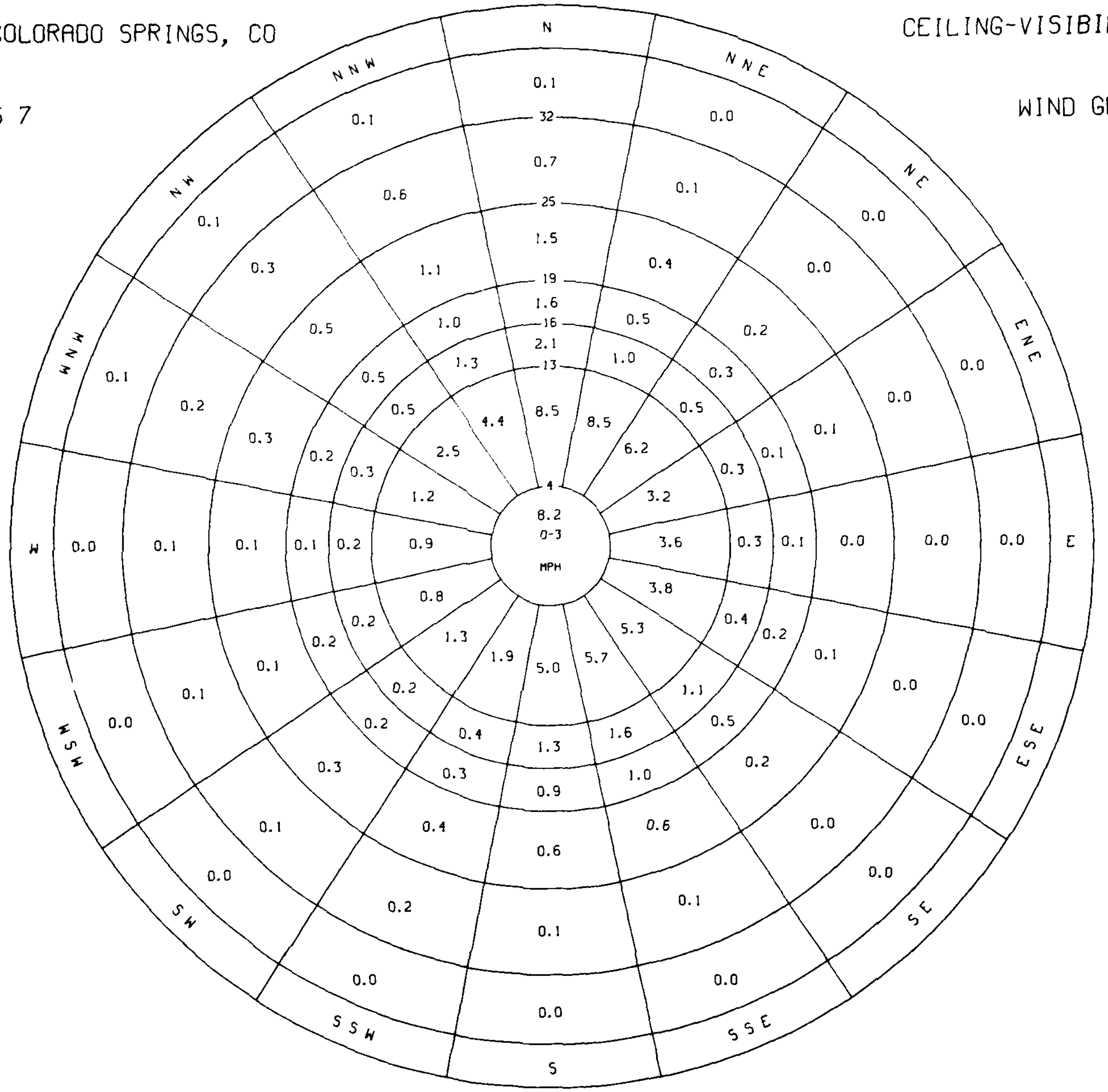
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	4.3	17.1
NNE	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	2.0	8.8
NE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.4
ENE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.0
E	.0	.7	.0	5.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	6.0	7.5
ESE	.0	1.0	.1	7.3	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.1	9.3	8.4
SE	.0	.7	.1	13.6	.0	2.3	.0	1.3	.0	.3	.0	.0	.0	.0	.1	18.2	10.1
SSE	.0	1.7	.1	16.2	.0	3.6	.0	1.7	.0	.3	.0	.0	.0	.0	.2	23.5	9.5
S	.0	2.0	.1	11.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	14.9	8.0
SSW	.0	.3	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.8
SW	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.0
WSW	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
W	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.5
WNW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.4
NW	.0	1.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	2.3	8.1
NNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.3	10.7
CALM	.1	7.3													.1	7.3	
TOTAL	.2	20.2	.5	65.2	.1	7.6	.0	3.6	.0	1.0	.0	.7	.0	1.7	.8	100	8.3

COS COLORADO SPRINGS, CO

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

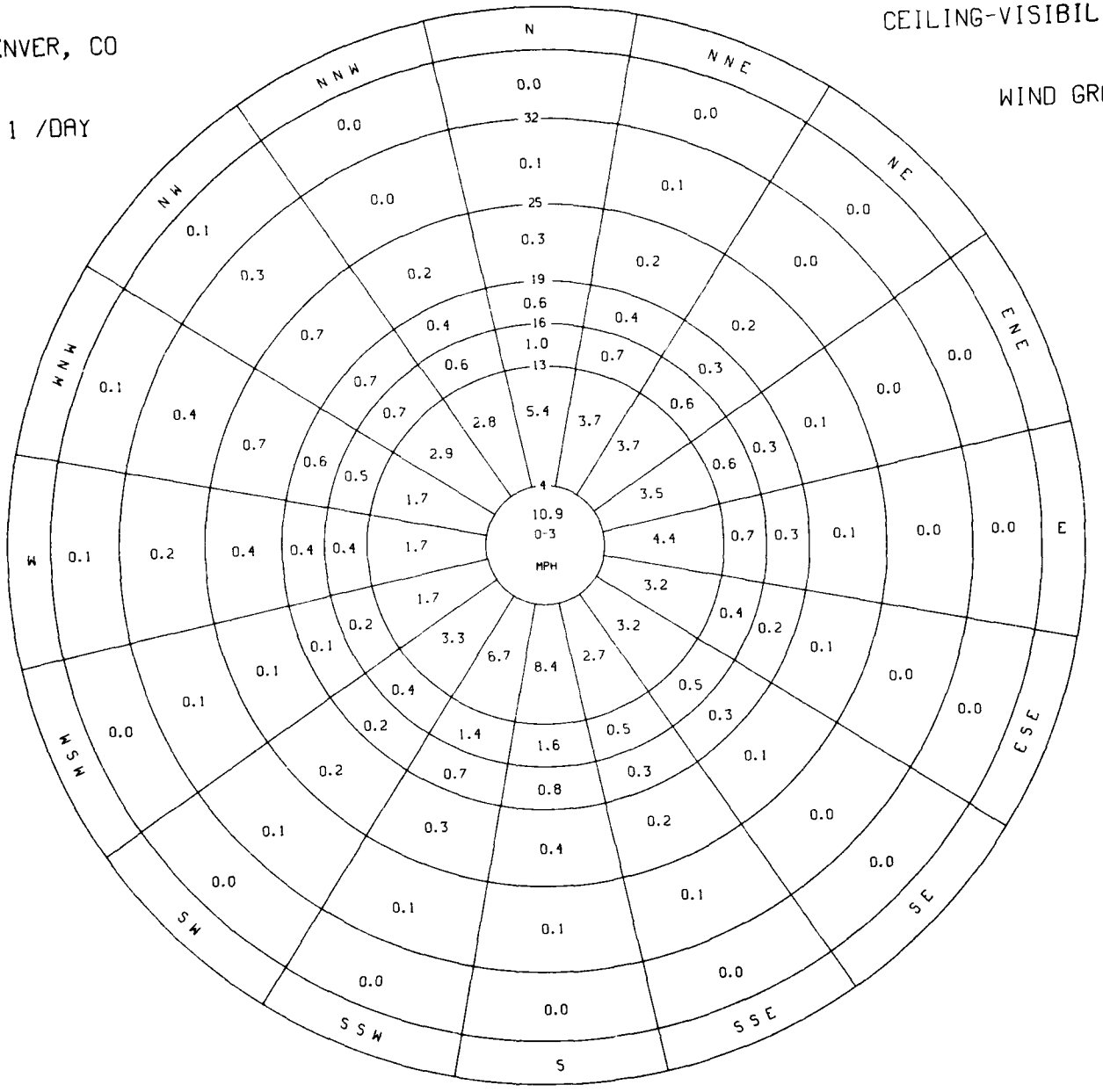


DEN DENVER, CO

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 23062

NO. OBS.: 46980

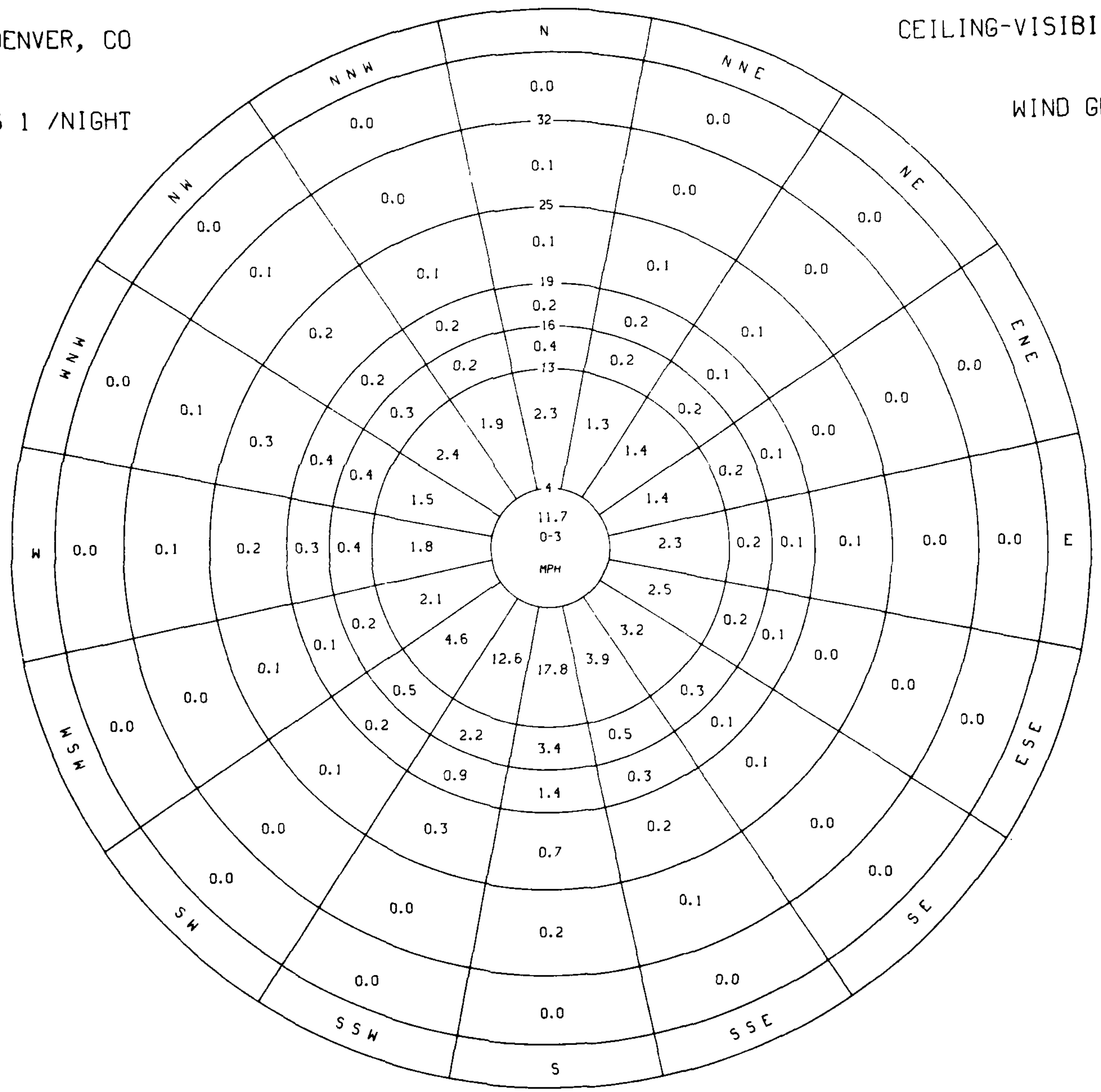
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.6	.6	5.4	5.7	1.0	1.1	.6	.6	.3	.4	.1	.1	.0	.0	8.0	8.5	10.0
NNE	.4	.4	3.7	4.0	.7	.7	.4	.4	.2	.3	.1	.1	.0	.0	5.5	5.8	10.1
NE	.5	.6	3.7	3.9	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	5.4	5.7	9.3
ENE	.4	.5	3.5	3.7	.6	.6	.3	.3	.1	.2	.0	.0	.0	.0	4.9	5.2	9.1
E	.6	.6	4.4	4.7	.7	.7	.3	.3	.1	.2	.0	.0	.0	.0	6.2	6.6	8.9
ESE	.4	.5	3.2	3.4	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.4	4.7	8.7
SE	.6	.7	3.2	3.4	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	4.8	5.1	8.8
SSE	.4	.4	2.7	2.9	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	4.1	4.4	10.0
S	.9	1.0	8.4	9.0	1.6	1.8	.8	.8	.4	.4	.1	.1	.0	.0	12.3	13.1	9.8
SSW	.5	.6	6.7	7.2	1.4	1.5	.7	.8	.3	.3	.1	.1	.0	.0	9.8	10.4	9.9
SW	.6	.6	3.3	3.6	.4	.4	.2	.2	.2	.2	.1	.1	.0	.0	4.8	5.1	8.8
WSW	.3	.4	1.7	1.8	.2	.2	.1	.2	.1	.1	.1	.1	.0	.0	2.6	2.8	9.0
W	.4	.4	1.7	1.8	.4	.4	.4	.4	.4	.4	.2	.2	.1	.1	3.4	3.6	12.0
WNW	.3	.3	1.7	1.8	.5	.5	.6	.7	.7	.8	.4	.4	.1	.1	4.4	4.7	14.3
NW	.5	.5	2.9	3.0	.7	.8	.7	.8	.7	.7	.3	.3	.1	.1	5.8	6.2	12.2
NNW	.4	.4	2.8	3.0	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	4.5	4.8	10.0
CALM	3.0	3.2													3.0	3.2	
TOTAL	10.9	11.6	59.0	62.9	11.0	11.7	6.5	6.9	4.5	4.8	1.6	1.7	.4	.5	93.9	100	9.7

DEN DENVER, CO

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 23062

NO. OBS.: 37789

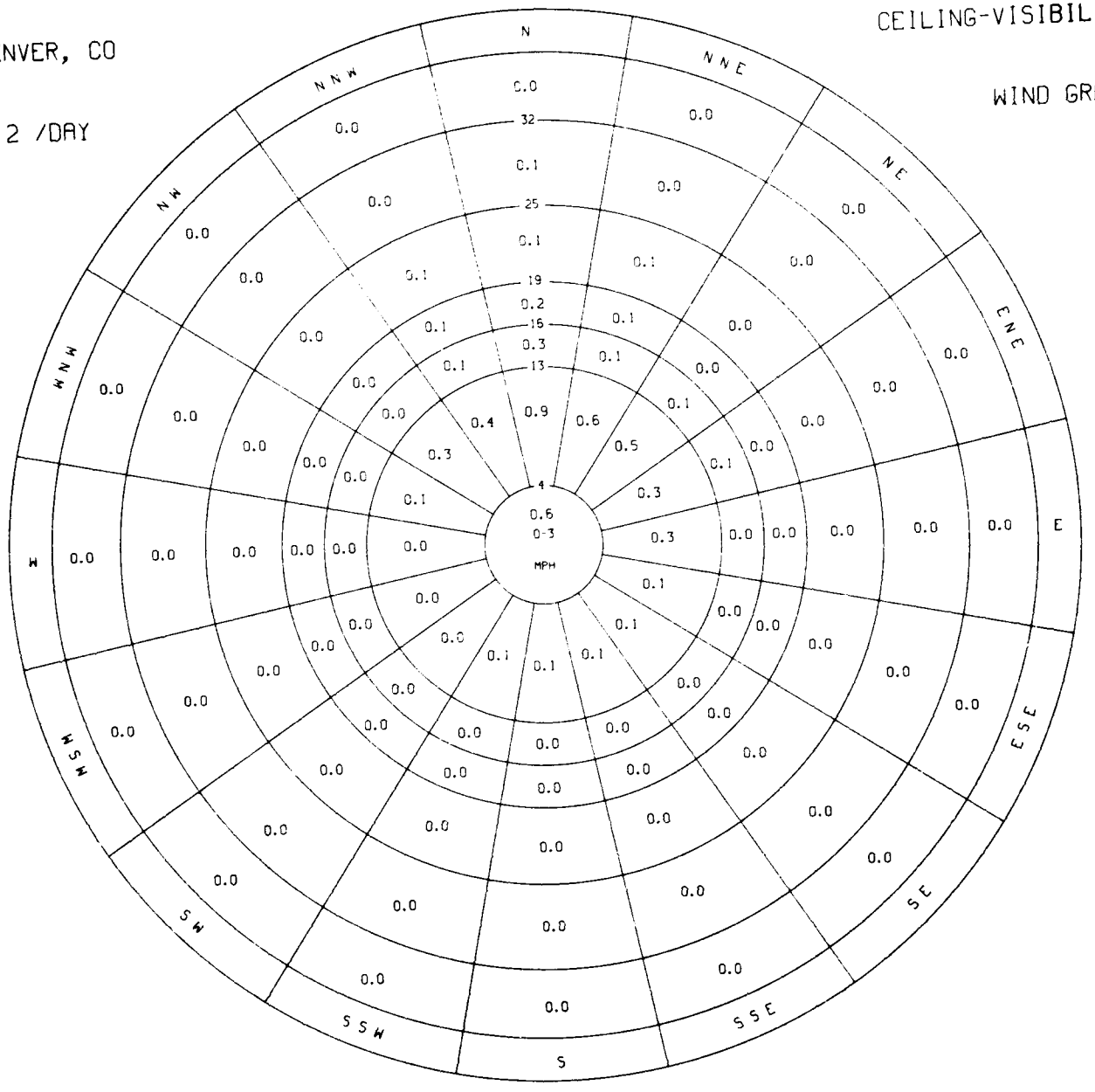
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.4	2.3	2.4	.4	.4	.2	.3	.1	.1	.1	.1	.0	.0	3.4	3.7	9.5
NNE	.3	.3	1.3	1.4	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.1	2.3	9.8
NE	.3	.3	1.4	1.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.3	8.8
ENE	.3	.4	1.4	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.3	8.3
E	.4	.5	2.3	2.4	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	3.1	3.4	8.0
ESE	.4	.5	2.5	2.7	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.3	3.5	7.7
SE	.5	.6	3.2	3.4	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	4.2	4.5	8.0
SSE	.5	.6	3.9	4.1	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	5.5	5.9	9.1
S	1.3	1.3	17.8	19.1	3.4	3.6	1.4	1.5	.7	.8	.2	.2	.0	.0	24.8	26.6	9.8
SSW	.9	1.0	12.6	13.5	2.2	2.4	.9	1.0	.3	.3	.0	.0	.0	.0	17.0	18.2	9.3
SW	.7	.7	4.6	5.0	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	6.1	6.6	8.1
WSW	.4	.5	2.1	2.3	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	3.0	3.2	8.0
W	.3	.4	1.8	1.9	.4	.5	.3	.3	.2	.2	.1	.1	.0	.0	3.2	3.5	10.7
WNW	.3	.3	1.5	1.7	.4	.4	.4	.4	.3	.3	.1	.1	.0	.0	3.0	3.3	11.6
NW	.3	.3	2.4	2.5	.3	.4	.2	.3	.2	.2	.1	.1	.0	.0	3.5	3.8	9.6
NNW	.3	.3	1.9	2.0	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	2.6	2.8	8.7
CALM	4.0	4.2													4.0	4.2	
TOTAL	11.7	12.5	62.9	67.5	10.0	10.8	5.0	5.4	2.7	2.9	.7	.8	.1	.2	93.2	100	8.8

DEN DENVER, CO

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 23062

NO. OBS.: 3055

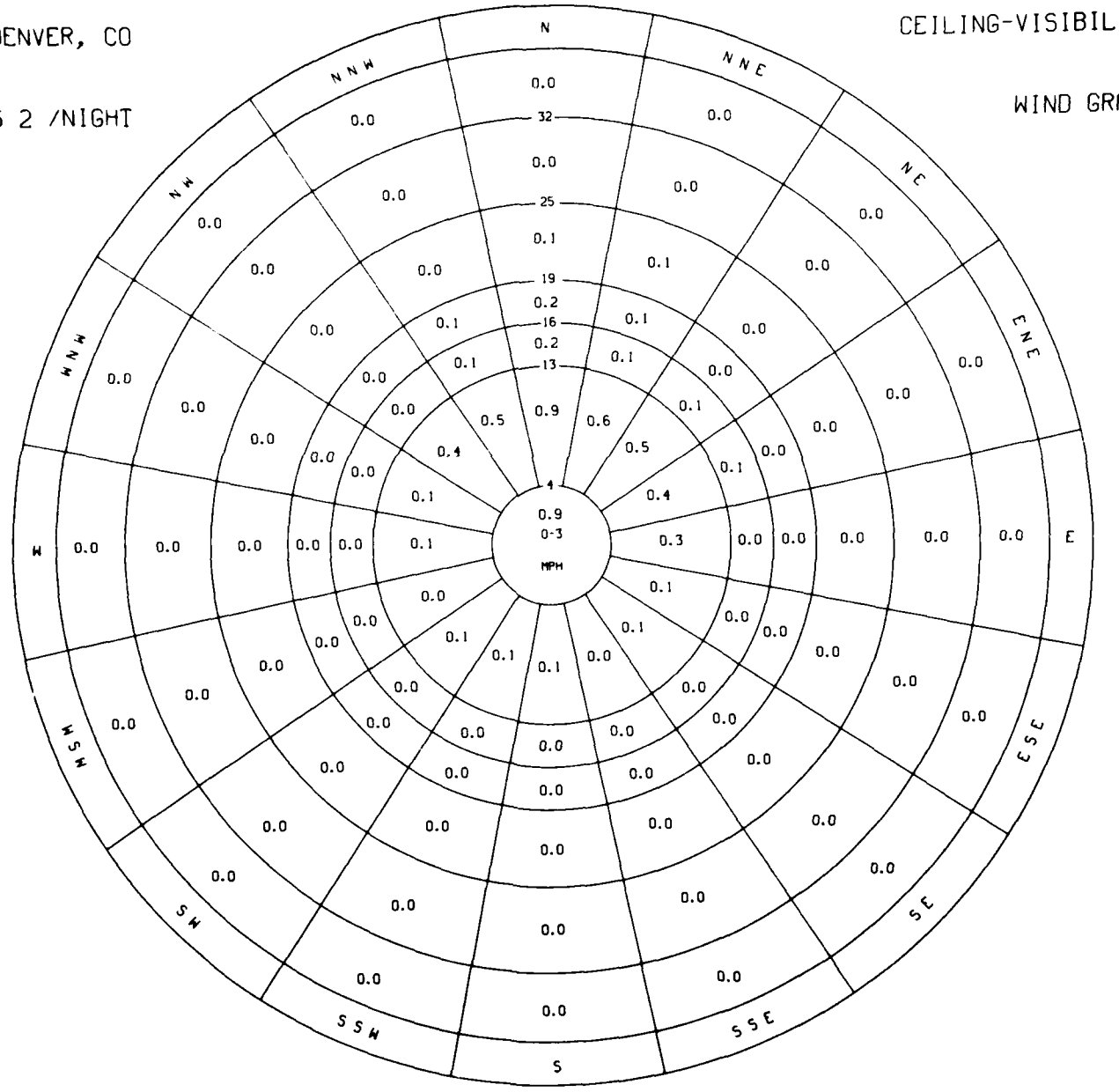
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.1	.9	14.5	.3	4.4	.2	3.3	.1	1.6	.1	1.1	.0	.2	1.6	26.3	12.1
NNE	.0	.7	.6	9.2	.1	2.4	.1	1.5	.1	1.4	.0	.3	.0	.2	1.0	15.7	11.6
NE	.0	.6	.5	7.6	.1	1.7	.0	.7	.0	.3	.0	.1	.0	.1	.7	11.0	10.0
ENE	.0	.6	.3	4.9	.1	1.3	.0	.6	.0	.0	.0	.1	.0	.0	.5	7.5	9.5
E	.0	.6	.3	4.4	.0	.7	.0	.4	.0	.1	.0	.0	.0	.0	.4	6.2	9.0
ESE	.0	.5	.1	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	2.0	7.8
SE	.0	.4	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.7	7.5
SSE	.0	.1	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	1.2	9.8
S	.0	.2	.1	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	7.8
SSW	.0	.3	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	6.3
SW	.0	.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	6.5
WSW	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.1
W	.0	.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	1.1	8.3
WNW	.0	.4	.1	1.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.9	8.6
NW	.0	.5	.3	4.4	.0	.6	.0	.5	.0	.2	.0	.1	.0	.1	.4	6.4	10.0
NNW	.0	.7	.4	6.5	.1	1.7	.1	1.1	.1	.9	.0	.2	.0	.0	.7	11.0	11.1
CALM	.2	2.7													.2	2.7	
TOTAL	.6	10.2	3.7	60.5	.8	13.5	.5	8.3	.3	4.7	.1	1.9	.0	.8	6.1	100	10.3

DEN DENVER, CO

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 23062

NO. OBS.: 2758

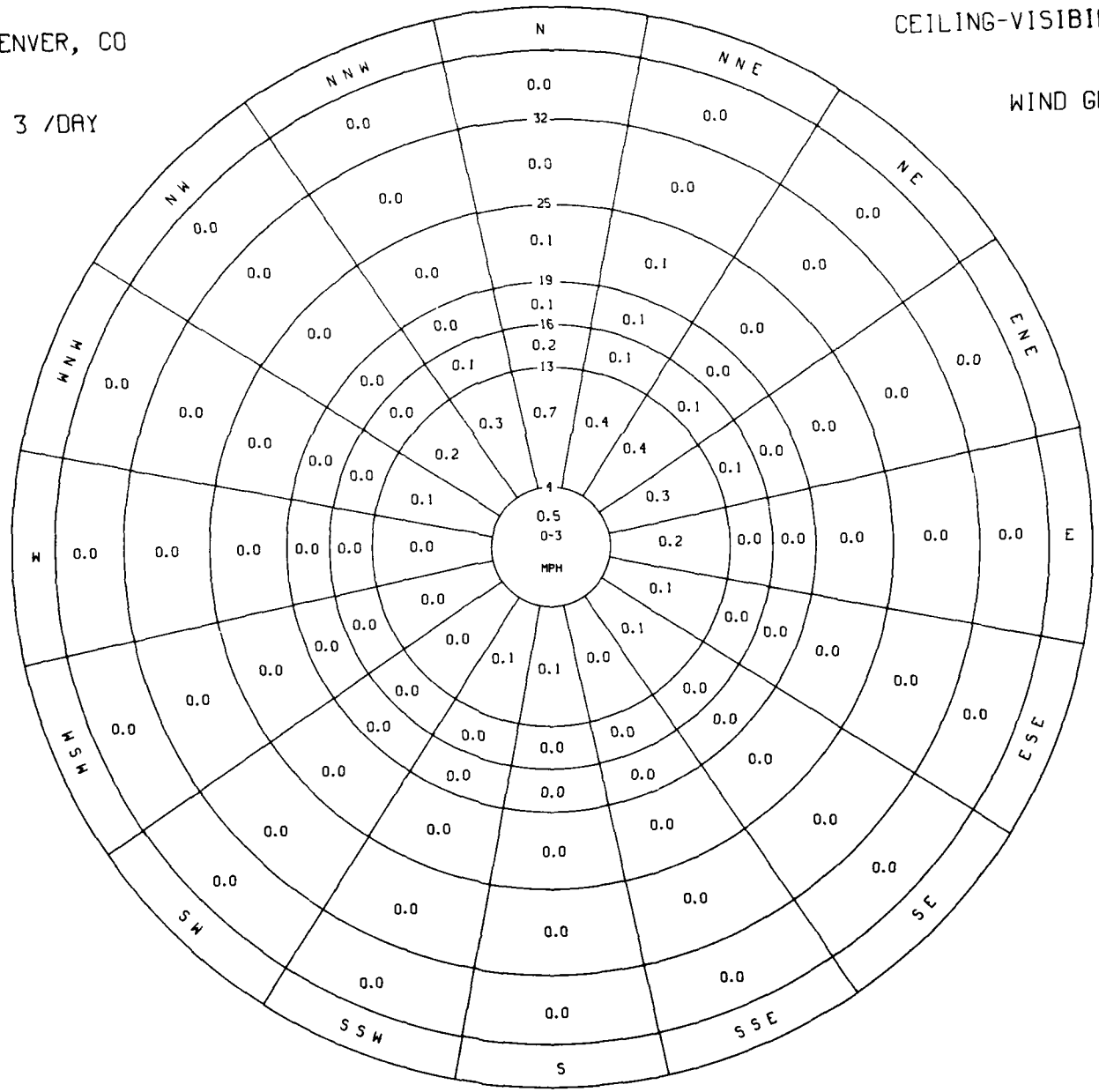
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.2	.9	12.9	.2	3.2	.2	2.4	.1	1.7	.0	.7	.0	.0	1.5	22.1	11.5
NNE	.1	.8	.6	9.0	.1	2.1	.1	1.3	.1	1.2	.0	.3	.0	.0	1.0	14.8	11.0
NE	.1	1.3	.5	7.4	.1	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.7	10.7	8.6
ENE	.0	.7	.4	5.4	.1	.9	.0	.3	.0	.0	.0	.0	.0	.0	.5	7.4	8.8
E	.1	.9	.3	4.8	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.4	6.6	8.0
ESE	.0	.4	.1	2.1	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.0	7.8
SE	.0	.4	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	7.2
SSE	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	8.0
S	.0	.4	.1	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	5.9
SSW	.0	.3	.1	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.2	6.8
SW	.0	.5	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	5.7
WSW	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.8
W	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.2
WNW	.0	.4	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	6.9
NW	.0	.7	.4	5.5	.0	.7	.0	.1	.0	.1	.0	.1	.0	.0	.5	7.2	8.5
NNW	.1	.8	.5	7.4	.1	1.3	.1	.9	.0	.4	.0	.1	.0	.1	.7	11.0	10.0
CALM	.3	4.5													.3	4.5	
TOTAL	.9	13.9	4.4	64.2	.7	10.9	.4	5.9	.2	3.5	.1	1.3	.0	.2	6.8	100	9.0

DEN DENVER, CO

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 23062

NO. OBS.: 2403

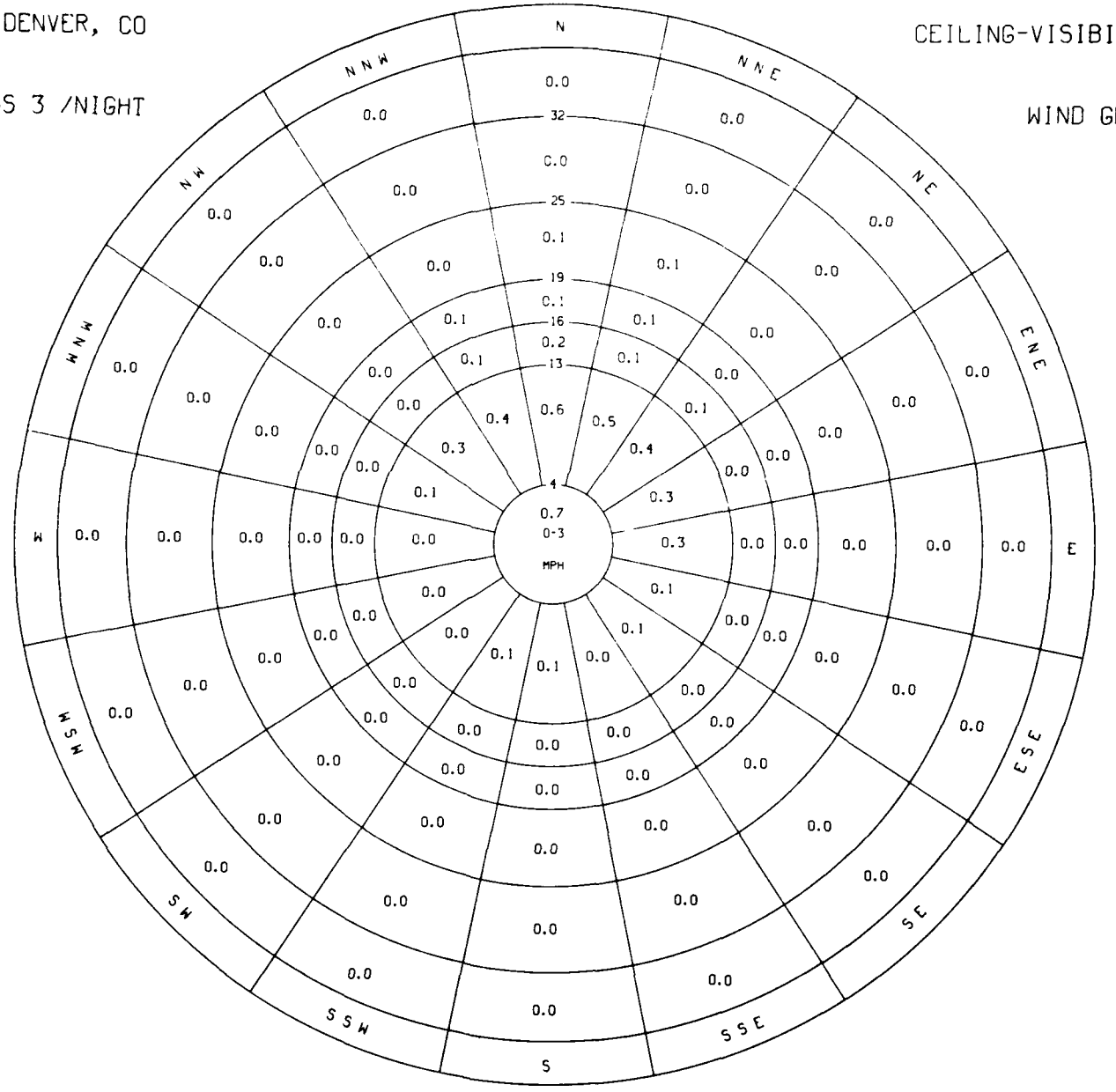
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.7	14.0	.2	4.4	.1	2.6	.1	1.3	.0	.7	.0	.2	1.2	24.2	11.7
NNE	.0	.7	.4	9.1	.1	2.3	.1	1.3	.1	1.2	.0	.3	.0	.2	.7	15.2	11.5
NE	.0	.6	.4	7.9	.1	1.9	.0	.7	.0	.3	.0	.0	.0	.1	.6	11.5	10.1
ENE	.0	.7	.3	5.3	.1	1.3	.0	.6	.0	.0	.0	.1	.0	.0	.4	8.0	9.7
E	.0	.7	.2	4.7	.0	.8	.0	.4	.0	.1	.0	.0	.0	.0	.3	6.7	9.0
ESE	.0	.4	.1	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	2.1	8.6
SE	.0	.5	.1	1.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.9	7.5
SSE	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	1.5	9.9
S	.0	.2	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	8.0
SSW	.0	.3	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	6.2
SW	.0	.4	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.9
WSW	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.9
W	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	6.0
WNW	.0	.4	.1	1.2	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.1	2.0	8.8
NW	.0	.5	.2	4.7	.0	.7	.0	.5	.0	.2	.0	.1	.0	.1	.3	6.7	10.2
NNW	.0	.5	.3	6.8	.1	1.8	.0	1.0	.0	.7	.0	.1	.0	.0	.5	10.9	10.9
CALM	.1	2.5													.1	2.5	
TOTAL	.5	10.0	3.0	62.1	.7	13.8	.4	7.5	.2	4.2	.1	1.5	.0	.8	4.8	100	10.1

DEN DENVER, CO

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 23062

NO. OBS.: 2100

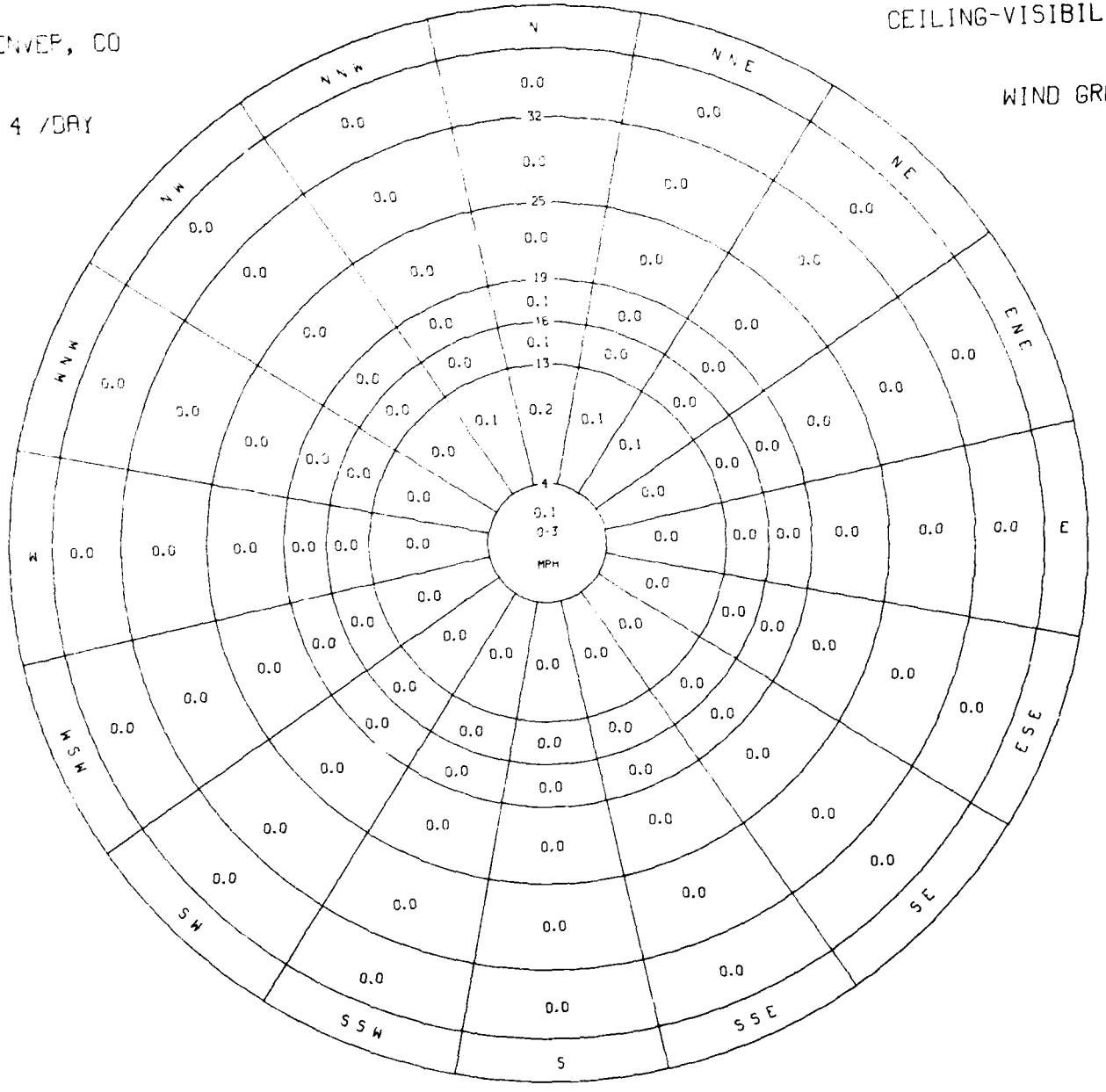
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.1	.6	12.4	.2	3.3	.1	2.0	.1	1.2	.0	.7	.0	.0	1.1	20.9	11.2
NNE	.0	.8	.5	9.3	.1	2.1	.1	1.2	.1	1.1	.0	.2	.0	.0	.8	14.7	10.8
NE	.1	1.1	.4	7.5	.1	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.6	10.7	8.7
ENE	.0	.6	.3	6.0	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.4	7.8	8.7
E	.0	.8	.3	5.1	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.4	7.0	8.3
ESE	.0	.5	.1	2.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.4	7.8
SE	.0	.5	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	6.4
SSE	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	8.2
S	.0	.4	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.2	6.1
SSW	.0	.2	.1	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	6.7
SW	.0	.5	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	5.6
WSW	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.9
W	.0	.1	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.9
WNW	.0	.4	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	7.0
NW	.0	.8	.3	5.6	.0	.8	.0	.2	.0	.1	.0	.1	.0	.0	.4	7.6	8.7
NNW	.0	.8	.4	7.1	.1	1.3	.1	1.0	.0	.4	.0	.1	.0	.1	.6	10.9	10.3
CALM	.2	3.9													.2	3.9	
TOTAL	.7	13.1	3.4	65.4	.6	11.4	.3	5.6	.2	3.1	.1	1.1	.0	.1	5.2	100	9.0

DEN DENVER, CO

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 23062

NO. OBS.: 504

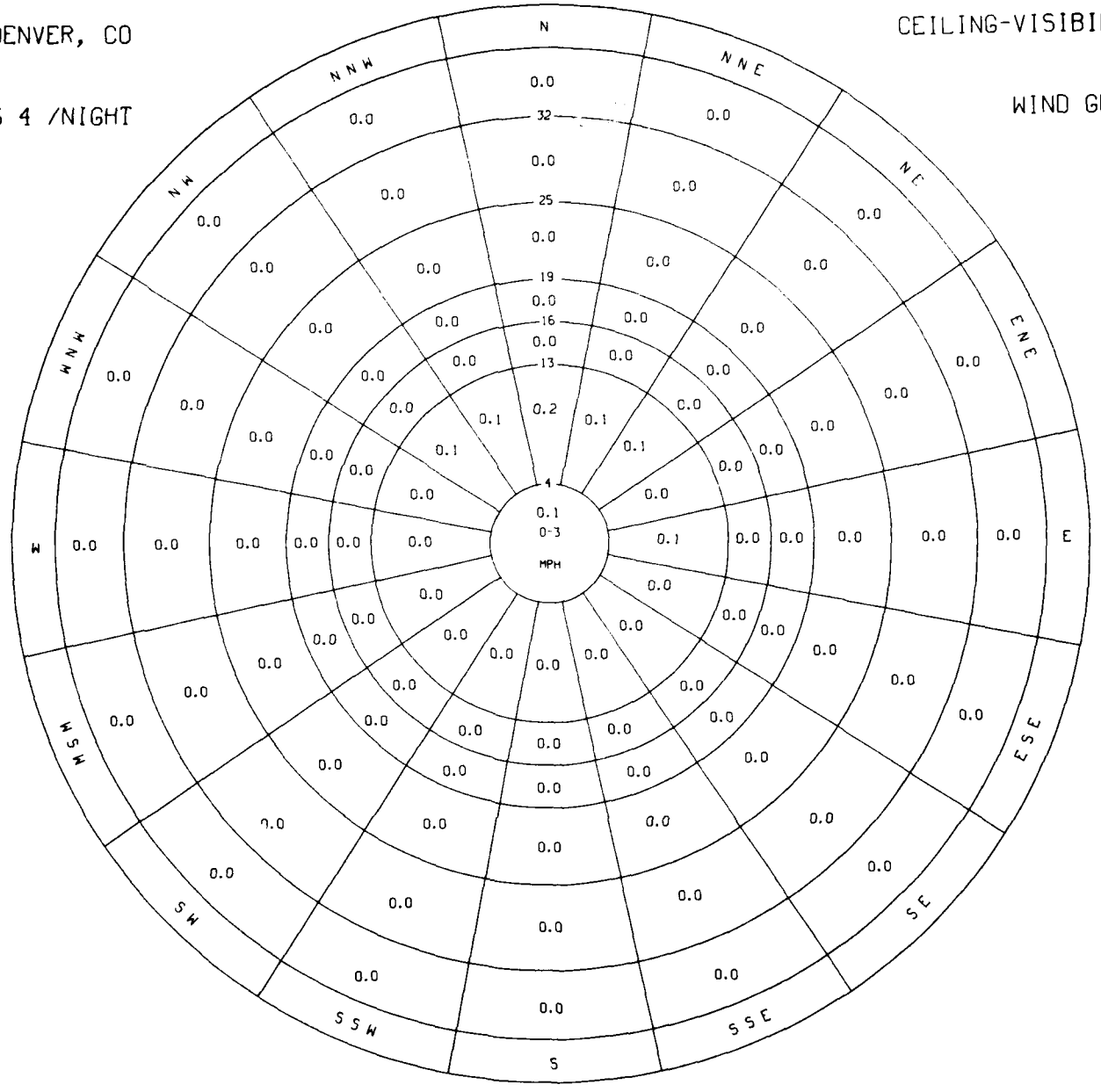
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.2	16.5	.1	5.2	.1	6.0	.0	2.4	.0	2.6	.0	.0	.3	33.5	13.4
NNE	.0	.6	.1	10.5	.0	3.4	.0	2.6	.0	2.0	.0	.2	.0	.4	.2	19.6	12.1
NE	.0	.6	.1	6.9	.0	1.2	.0	.8	.0	.4	.0	.0	.0	.0	.1	9.9	9.6
ENE	.0	.4	.0	3.0	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	5.0	9.4
E	.0	.4	.0	3.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.0	8.7
ESE	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.7
SE	.0	.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.8
SSE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.0
S	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.7
SSW	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.9
SW	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.0
WSW	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	9.5
W	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.0	.6	22.3
WNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.9
NW	.0	.6	.0	3.6	.0	.4	.0	.4	.0	.4	.0	.2	.0	.0	.1	5.6	9.2
NNW	.0	1.2	.1	5.8	.0	1.6	.0	1.4	.0	1.2	.0	.4	.0	.0	.1	11.5	11.8
CALM	.0	2.2													.0	2.2	
TOTAL	.1	7.9	.6	56.0	.1	13.9	.1	11.9	.1	6.3	.0	3.4	.0	.6	1.0	100	11.2

DEN DENVER, CO

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER.

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 23062

NO. OBS.: 453

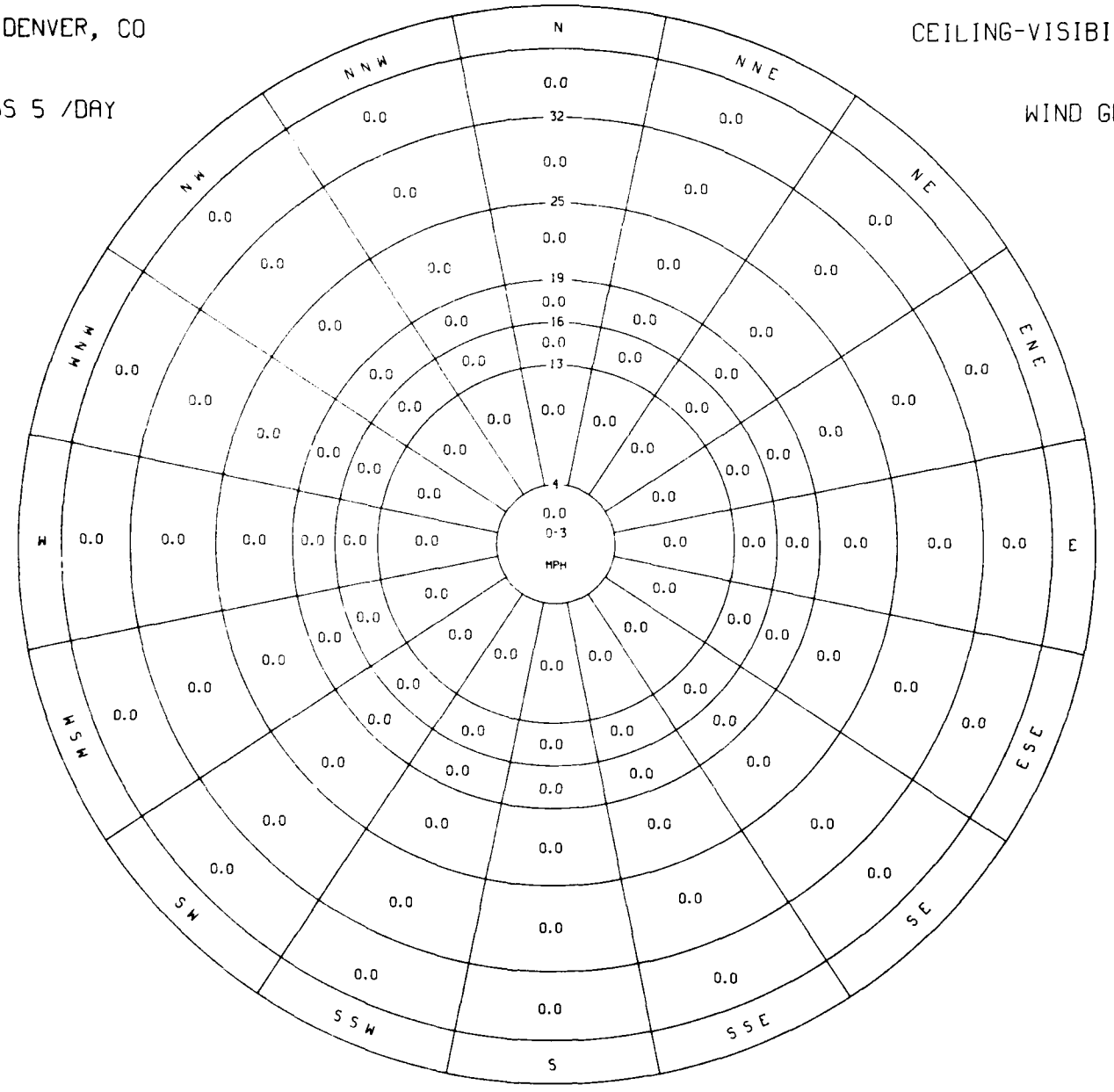
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.2	14.3	.0	2.6	.0	4.0	.0	3.1	.0	1.1	.0	.0	.3	26.7	12.4
NNE	.0	1.3	.1	8.2	.0	2.4	.0	2.0	.0	1.8	.0	.7	.0	.0	.2	16.3	12.1
NE	.0	.9	.1	7.3	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.1	10.2	8.9
ENE	.0	.7	.0	4.2	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.1	6.6	9.3
E	.0	1.1	.1	4.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	6.2	7.2
ESE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.5	8.9
SE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.4	24.0
SSE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.0
S	.0	.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.6
SSW	.0	.0	.0	1.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.3
SW	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.0
WSW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.5
W	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.7
WNW	.0	.2	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.8
NW	.0	.7	.1	5.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.4	7.5
NNW	.0	.2	.1	10.2	.0	1.8	.0	1.1	.0	.0	.0	.0	.0	.0	.1	13.2	9.2
CALM	.0	3.8													.0	3.8	
TOTAL	.1	11.5	.7	62.5	.1	10.8	.1	8.2	.1	5.1	.0	1.8	.0	.2	1.1	100	9.8

DEN DENVER, CO

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 23062

NO. OBS.: 90

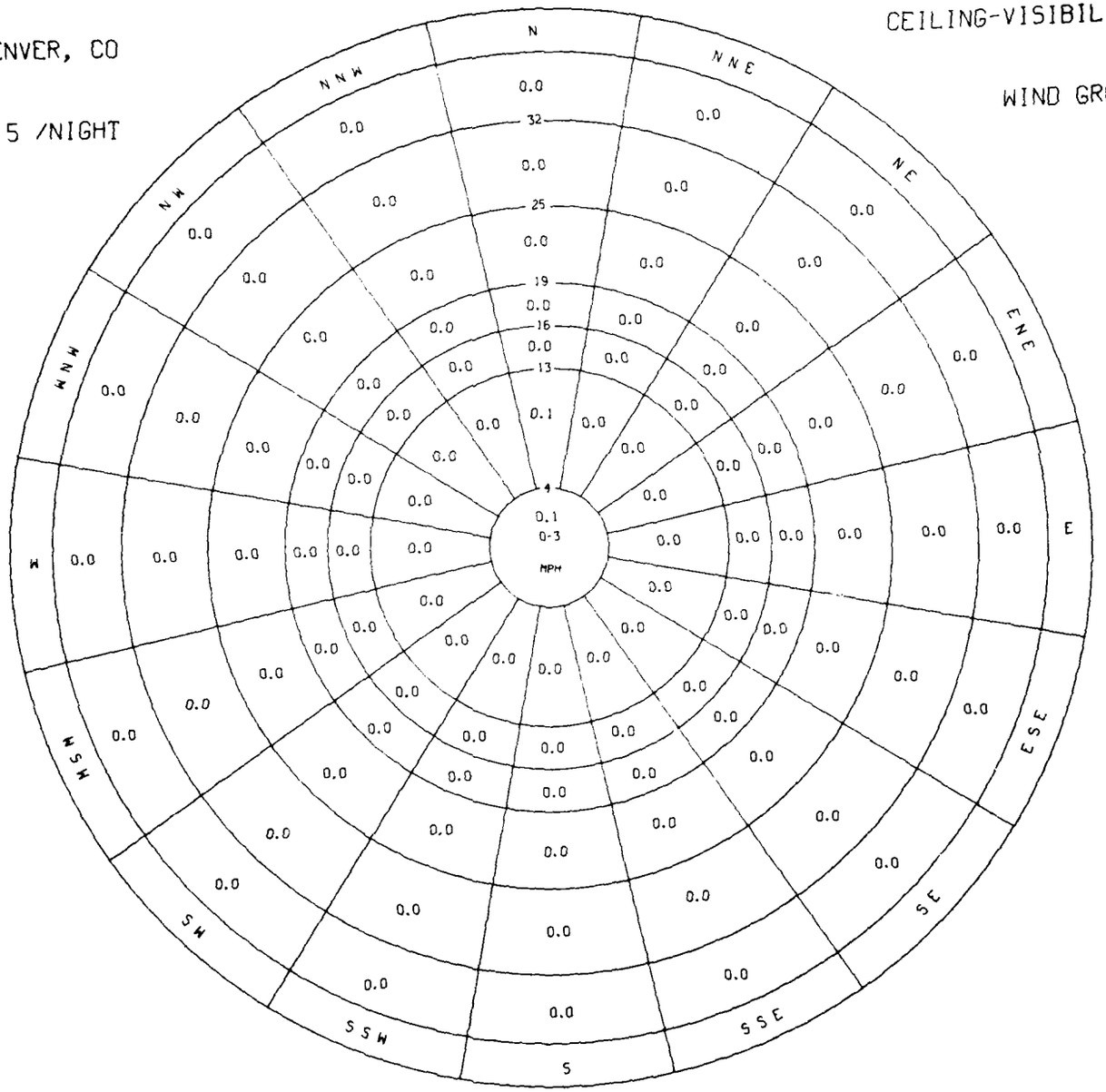
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	3.3	.0	21.1	.0	3.3	.0	7.8	.0	3.3	.0	1.1	.0	1.1	.1	41.1	12.1
NNE	.0	.0	.0	7.8	.0	1.1	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	13.3	12.1
NE	.0	.0	.0	3.3	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	11.6
ENE	.0	.0	.0	4.4	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	5.6	8.4
E	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.0
ESE	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.7
SW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	3.3	9.7
WSW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.5
W	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.3	18.3
WNW	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	10.0
NW	.0	.0	.0	3.3	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	4.4	11.5
NNW	.0	1.1	.0	.0	.0	.0	.0	2.2	.0	3.3	.0	.0	.0	.0	.0	6.7	18.2
CALM	.0	2.2													.0	2.2	
TOTAL	.0	13.3	.1	50.0	.0	8.9	.0	14.4	.0	10.0	.0	1.1	.0	2.2	.2	100	11.2

DEN DENVER, CO

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 23062

NO. OBS.: 129

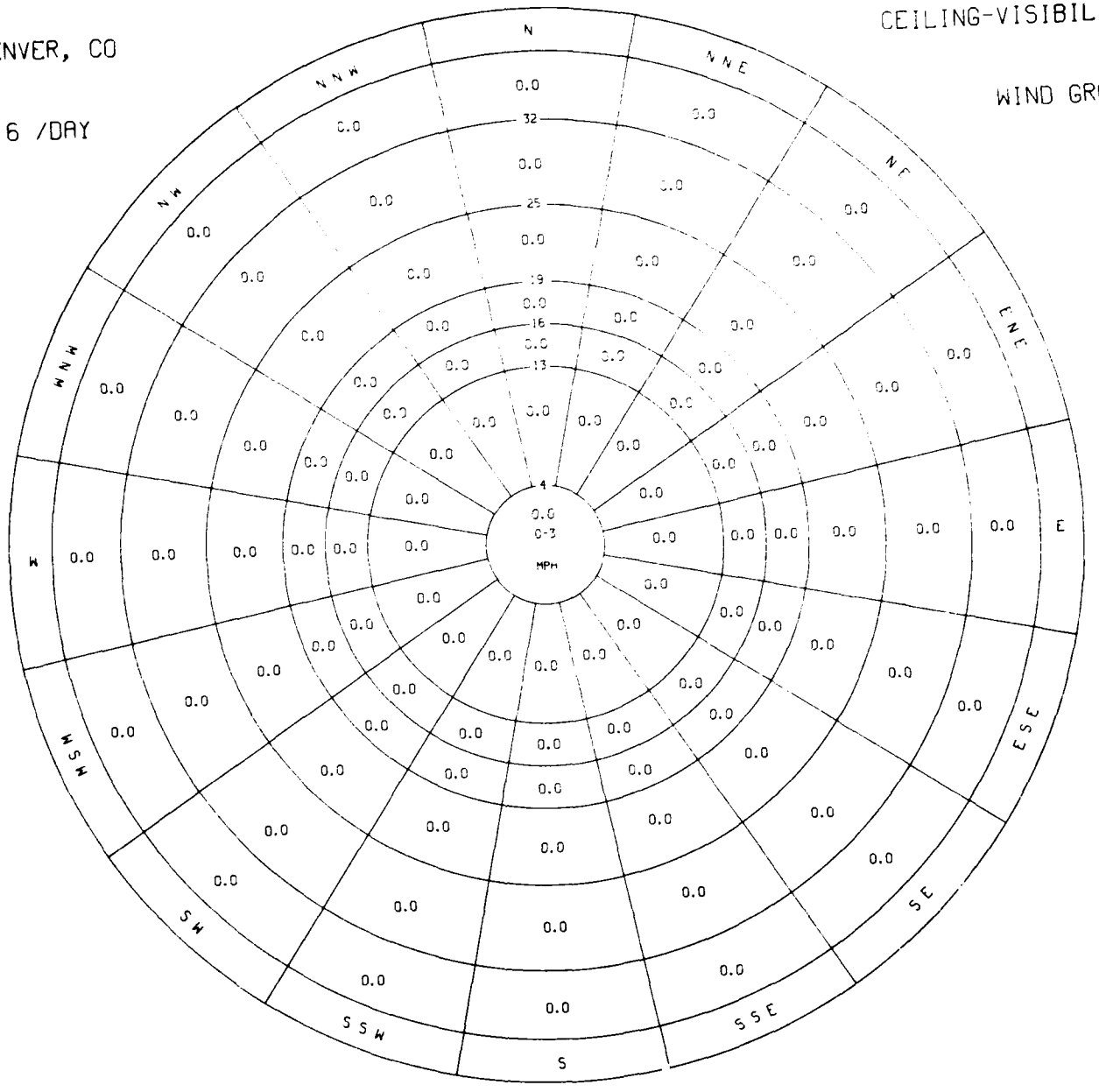
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.6	.1	18.6	.0	3.9	.0	2.3	.0	4.7	.0	.8	.0	.8	.1	32.6	12.0
NNE	.0	.0	.0	7.8	.0	3.1	.0	2.3	.0	.0	.0	.8	.0	.0	.0	14.0	11.3
NE	.0	4.7	.0	7.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	13.2	7.0
ENE	.0	.0	.0	3.1	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	4.7	11.2
E	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.7
ESE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.2
SSW	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.0
SW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	9.0
WSW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.7
W	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
WNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.5
NW	.0	.0	.0	3.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	8.3
NNW	.0	1.6	.0	3.1	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	5.4	8.0
CALM	.0	7.8													.0	7.8	
TOTAL	.1	21.7	.2	55.0	.0	9.3	.0	5.4	.0	6.2	.0	1.6	.0	.8	.3	100	8.7

DEN DENVER, CO

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 23062

NO. OBS.: 58

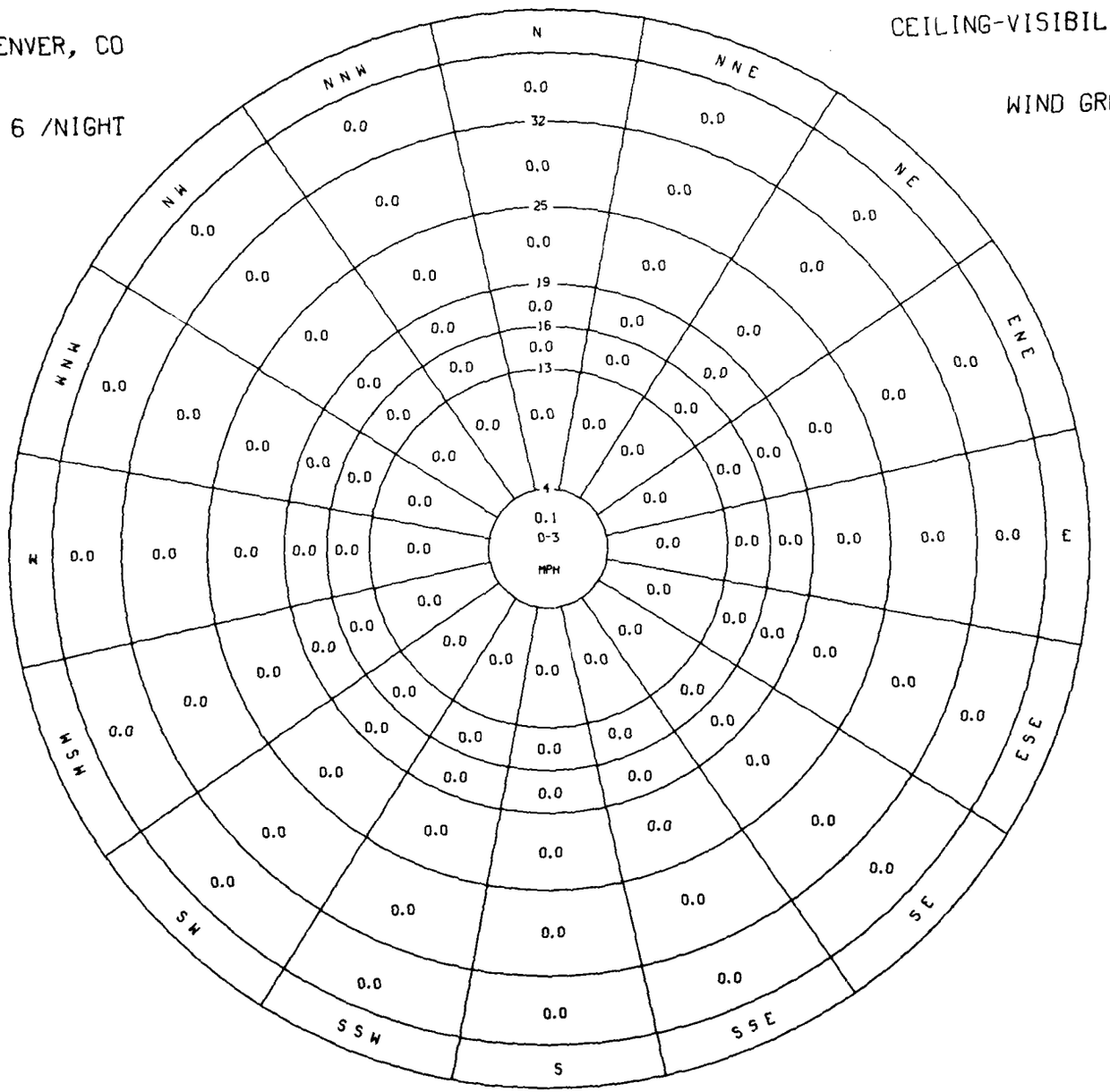
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	6.9	.0	10.3	.0	.0	.0	1.7	.0	3.4	.0	3.4	.0	.0	.0	25.9	11.5
NNE	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	5.2	14.0
NE	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	6.9	10.7
ENE	.0	1.7	.0	6.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	5.2
E	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.0
ESE	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	4.7
SE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.0
SSW	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0
SW	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	8.2
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	2.5
WNW	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0
NW	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0
NNW	.0	1.7	.0	10.3	.0	1.7	.0	.0	.0	1.7	.0	.0	.0	.0	.0	15.5	9.3
CALM	.0	12.1													.0	12.1	
TOTAL	.0	34.5	.1	50.0	.0	1.7	.0	1.7	.0	5.2	.0	6.9	.0	.0	.1	100	7.6

DEN DENVER, CO

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DEN DENVER, CO

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 23062

NO. OBS.: 76

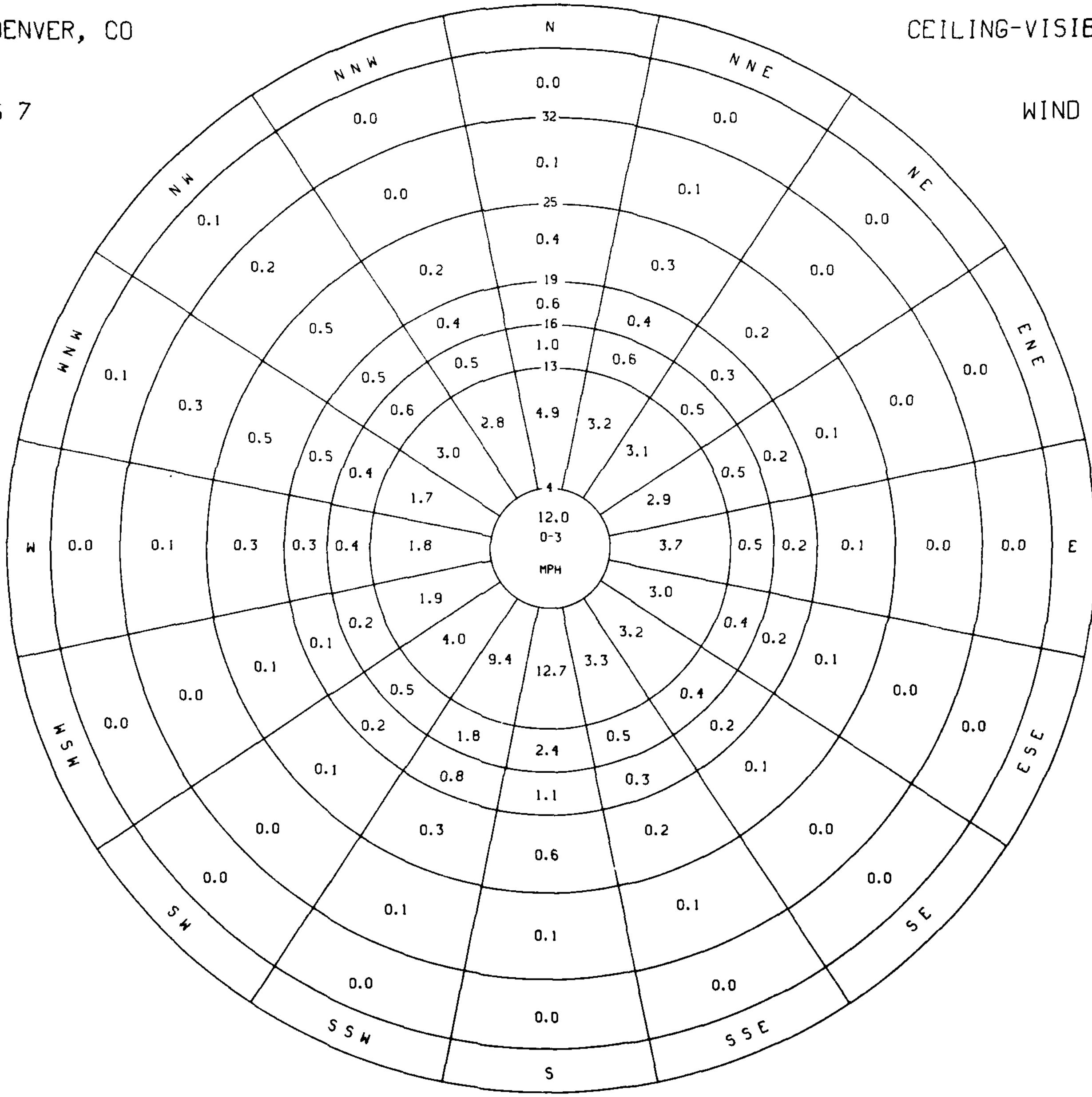
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.3	.0	7.9	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	10.5	9.1
NNE	.0	1.3	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	6.1
NE	.0	2.6	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.5	6.4
ENE	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.0
E	.0	2.6	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.3
ESE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
SE	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	6.0
SSW	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.3
SW	.0	1.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.7
WSW	.0	1.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.7
W	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
WNW	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	3.0
NW	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.3
NNW	.0	1.3	.0	7.9	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	10.5	9.9
CALM	.0	19.7													.0	19.7	
TOTAL	.1	38.2	.1	57.9	.0	1.3	.0	1.3	.0	.0	.0	1.3	.0	.0	.2	100	5.3

DEN DENVER, CO

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

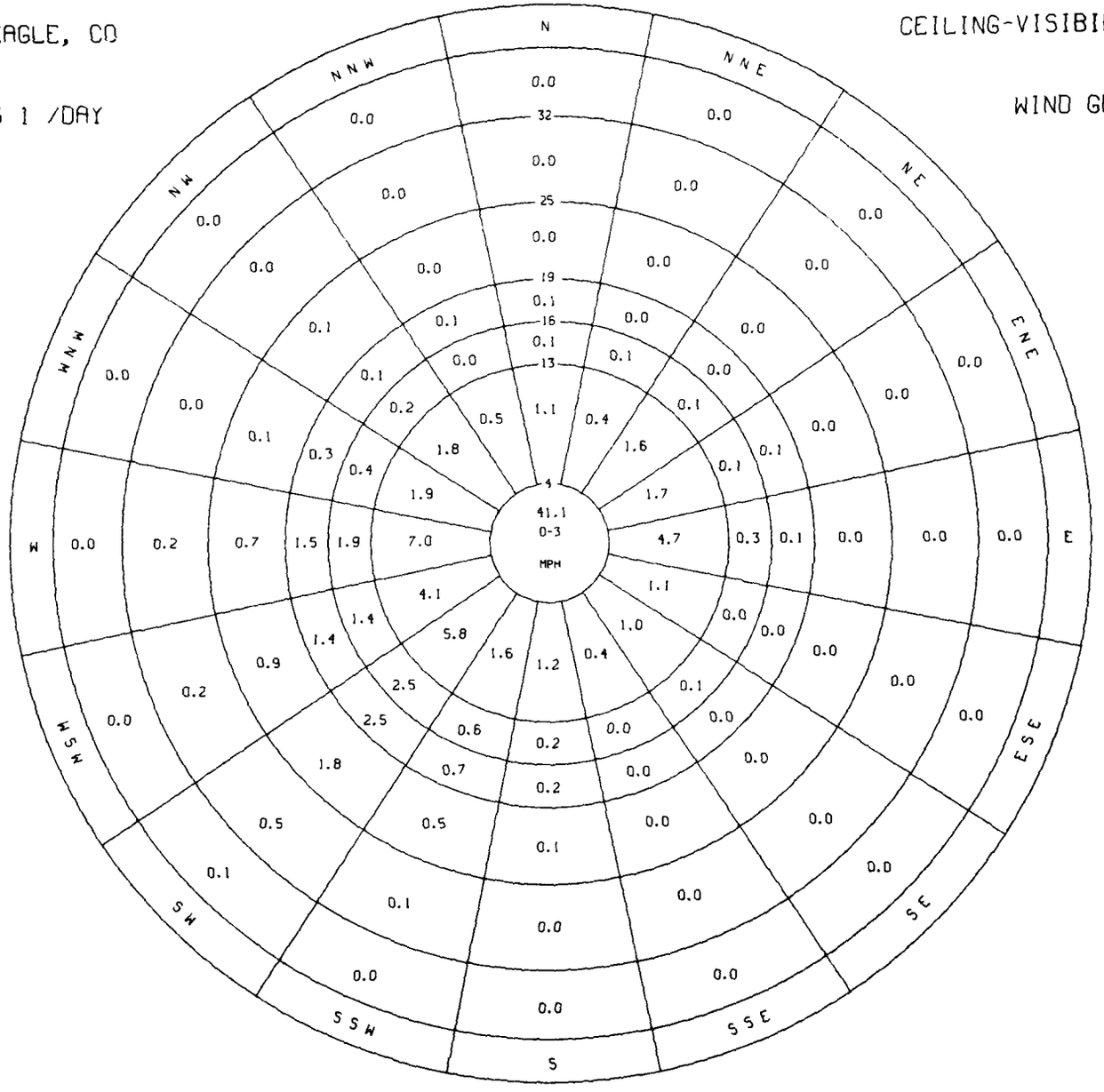


EGE EAGLE, CO

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 23063

NO. OBS.: 49909

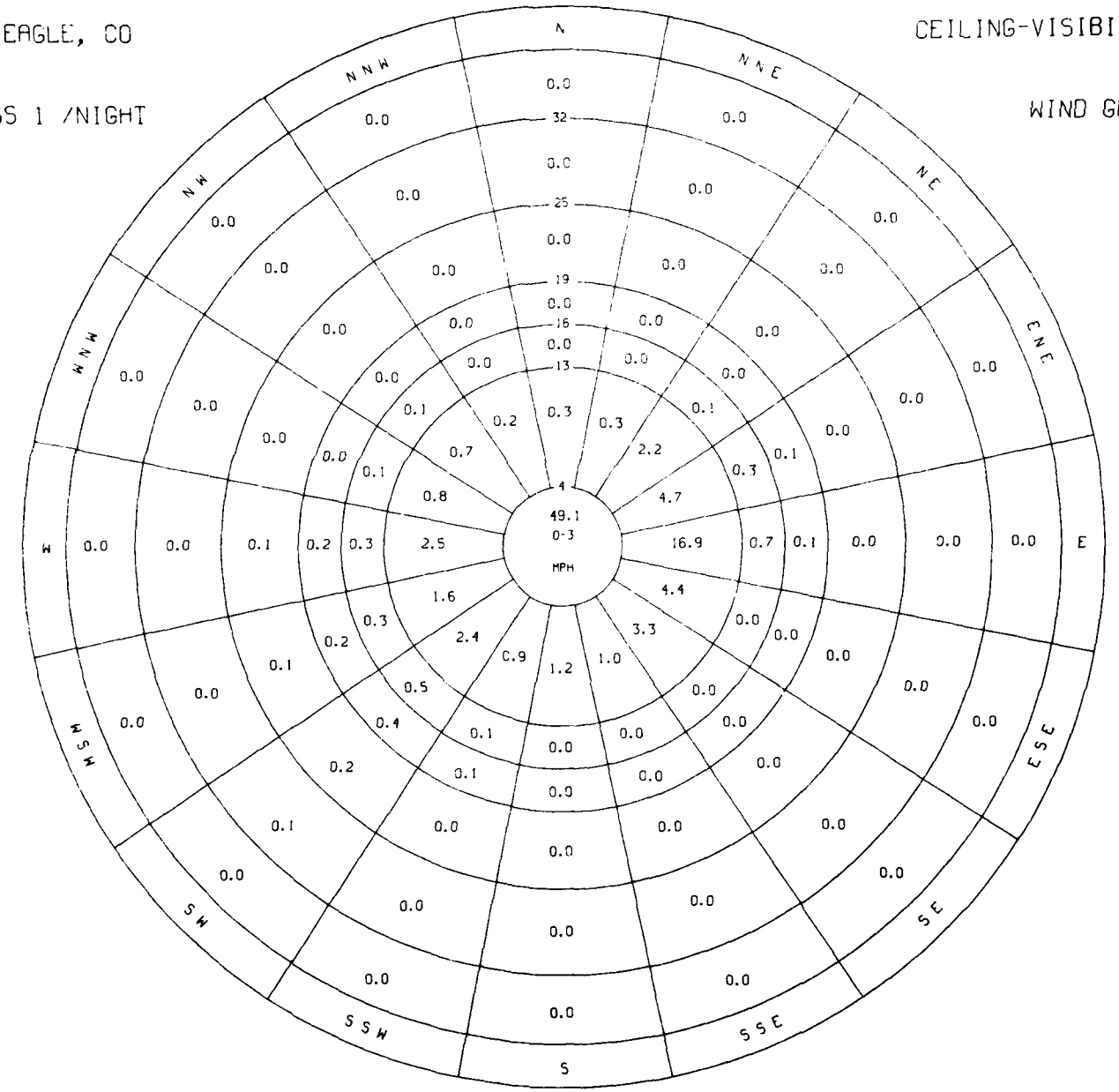
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.4	1.1	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.7	1.7	7.1
NNE	.1	.1	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	7.7
NE	.5	.5	1.6	1.7	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.3	2.4	7.2
ENE	.2	.2	1.7	1.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.1	7.8
E	1.1	1.1	4.7	4.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.2	6.3	7.1
ESE	.2	.2	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.4	6.5
SE	.5	.5	1.0	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.7	6.2
SSE	.1	.1	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	7.6
S	.3	.3	1.2	1.2	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	2.0	2.1	9.7
SSW	.1	.1	1.6	1.6	.6	.6	.7	.8	.5	.5	.1	.1	.0	.0	3.7	3.8	13.3
SW	.6	.7	5.8	5.9	2.5	2.5	2.5	2.5	1.8	1.8	.5	.5	.1	.1	13.8	14.0	13.4
WSW	.3	.3	4.1	4.2	1.4	1.5	1.4	1.5	.9	.9	.2	.2	.0	.0	8.4	8.6	12.6
W	1.1	1.1	7.0	7.1	1.9	1.9	1.5	1.5	.7	.8	.2	.2	.0	.0	12.4	12.6	10.7
WNW	.2	.2	1.9	2.0	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	3.0	3.1	10.0
NW	.6	.6	1.8	1.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.8	2.9	7.8
NNW	.1	.1	.5	.5	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.7	.7	8.6
CALM	34.7	35.4													34.7	35.4	
TOTAL	41.1	42.0	35.9	36.6	8.1	8.3	7.2	7.4	4.4	4.5	1.1	1.1	.1	.1	98.0	100	6.8

EGE EAGLE, CO

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 23063

NO. OBS.: 38296

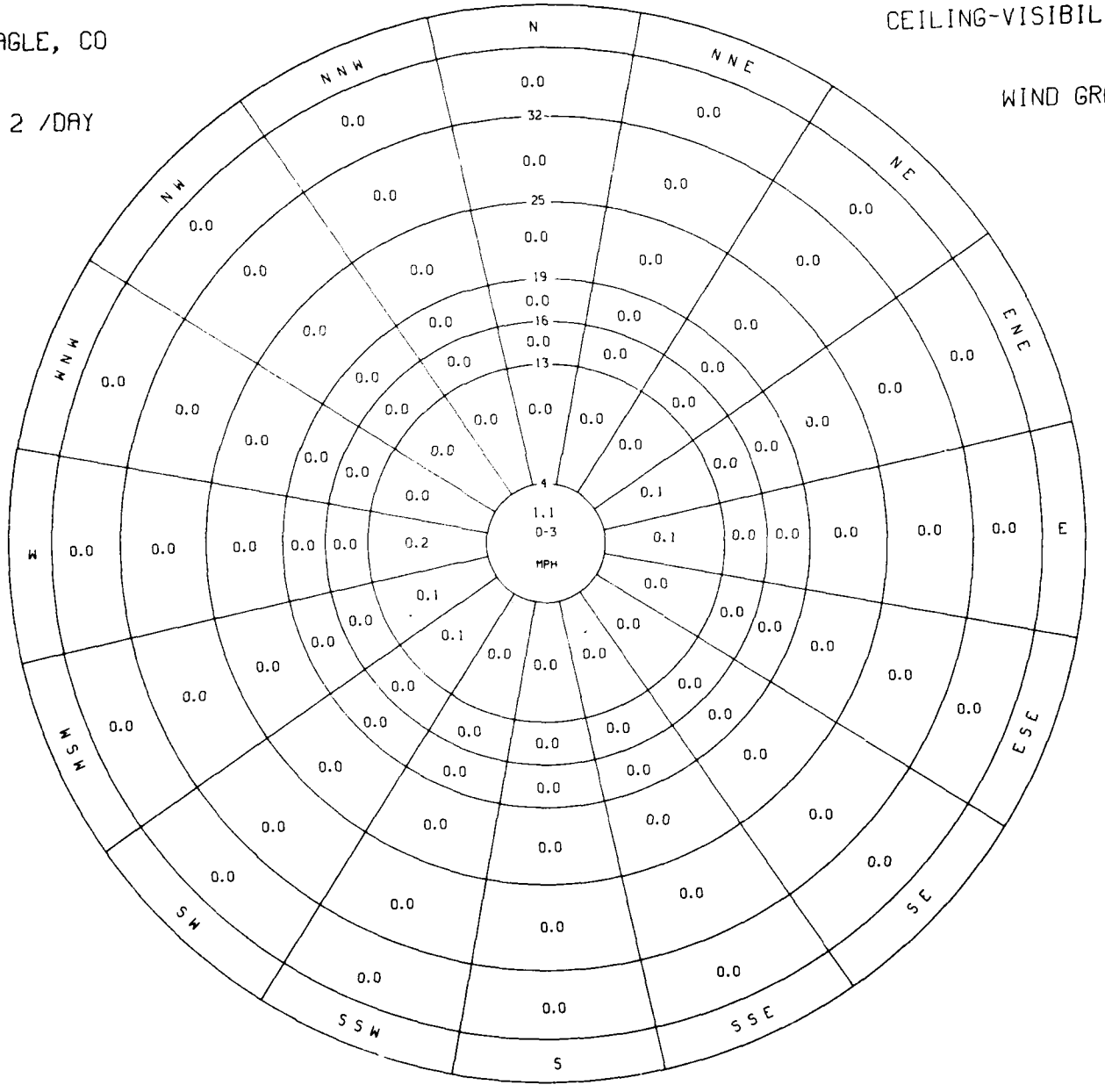
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.2	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	6.2
NNE	.1	.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	6.3
NE	.7	.7	2.2	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.1	6.5
ENE	.5	.6	4.7	4.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.6	5.7	7.7
E	3.2	3.3	16.9	17.4	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	20.8	21.5	6.9
ESE	.9	1.0	4.4	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	5.5	5.7
SE	1.9	1.9	3.3	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.4	5.0
SSE	.3	.3	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	5.6
S	.4	.4	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.8	6.0
SSW	.1	.1	.9	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.2	1.3	9.6
SW	.4	.4	2.4	2.5	.5	.6	.4	.4	.2	.2	.1	.1	.0	.0	4.1	4.2	10.5
WSW	.1	.1	1.6	1.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.4	10.5
W	.4	.4	2.5	2.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.5	3.6	8.6
WNW	.1	.1	.8	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	8.4
NW	.2	.2	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	7.7
NNW	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	7.3
CALM	39.6	40.9													39.6	40.9	
TOTAL	49.1	50.7	43.2	44.6	2.7	2.8	1.2	1.2	.5	.5	.1	.1	.0	.0	96.8	100	4.3

EGE EAGLE, CO

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 23063

NO. OBS.: 1034

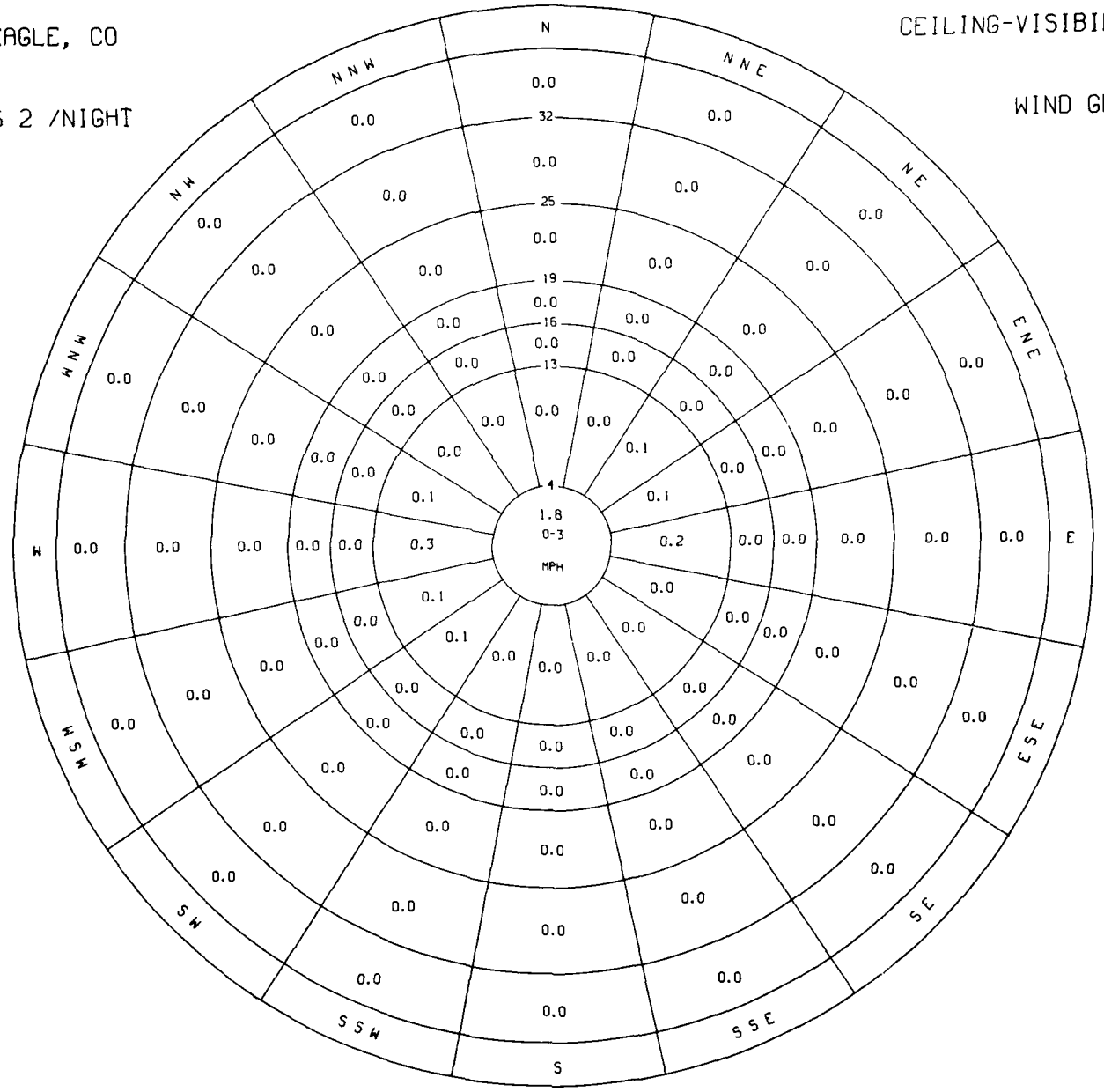
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.0	.5	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.0	9.0
NNE	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	9.5
NE	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.6
ENE	.0	.1	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	7.0
E	.0	1.3	.1	4.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	5.8	6.8
ESE	.0	.1	.0	.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	6.5
SE	.0	.5	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.4
SSE	.0	.1	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.3
S	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.3
SSW	.0	.1	.0	1.4	.0	.1	.0	.1	.0	.2	.0	.0	.0	.0	.0	1.8	9.2
SW	.0	1.4	.1	4.3	.0	.4	.0	.7	.0	1.3	.0	.3	.0	.1	.2	8.3	11.0
WSW	.0	.7	.1	4.4	.0	.9	.0	.7	.0	.7	.0	.3	.0	.0	.2	7.5	10.4
W	.0	2.1	.2	10.0	.0	.8	.0	.7	.0	.3	.0	.2	.0	.0	.3	14.0	8.6
WNW	.0	.6	.0	1.8	.0	.8	.0	.0	.0	.2	.0	.2	.0	.0	.1	3.6	10.4
NW	.0	.2	.0	1.5	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.9	8.4
NNW	.0	.0	.0	.5	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.7	11.2
CALM	.9	44.6													.9	44.6	
TOTAL	1.1	53.2	.7	36.8	.1	3.4	.1	2.5	.1	3.1	.0	1.0	.0	.1	2.0	100	4.9

EGE EAGLE, CO

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 23063

NO. OBS.: 1247

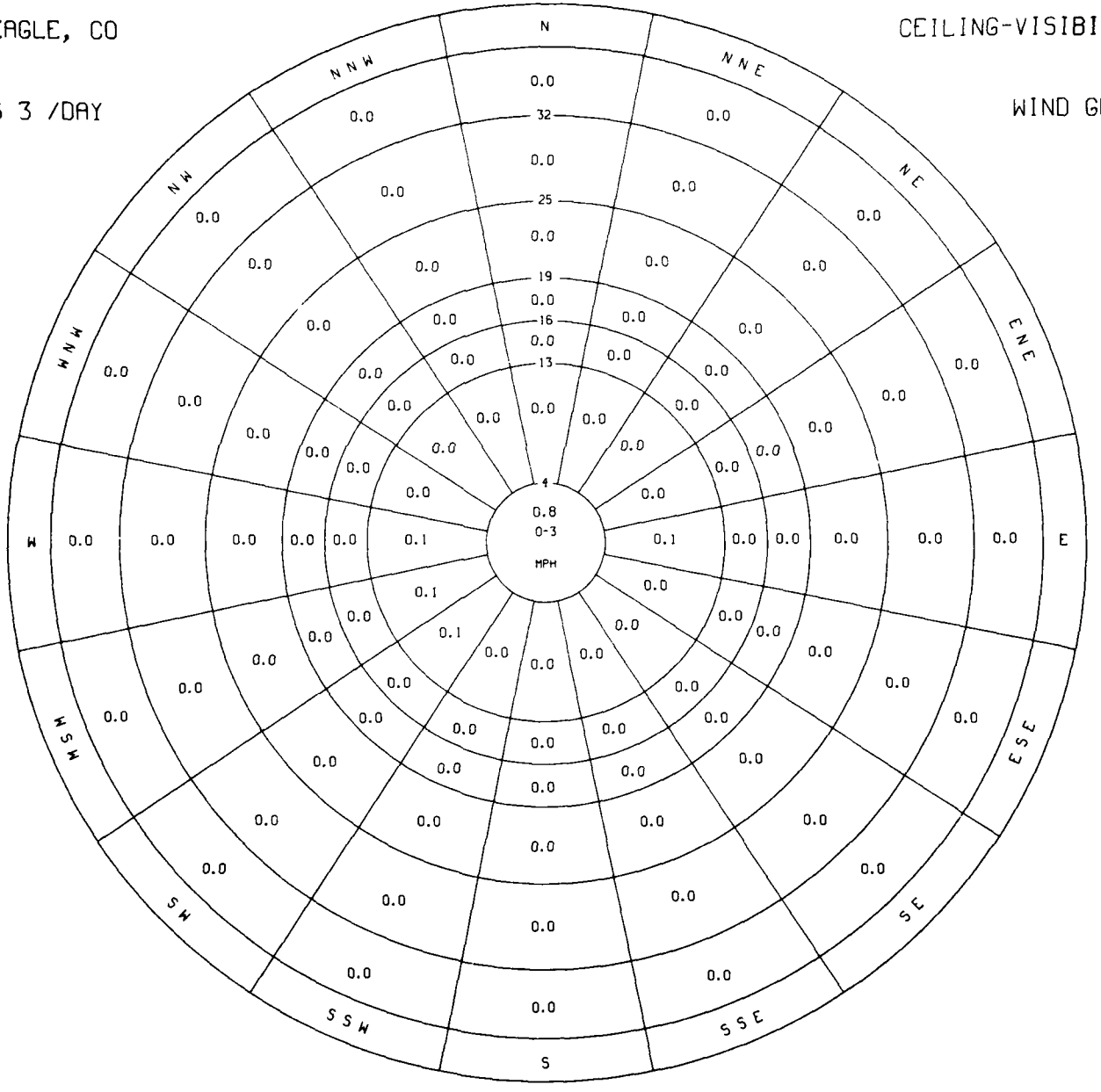
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.6	5.4
NNE	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.7	5.3
NE	.0	1.1	.1	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0			.1	3.1	5.6
ENE	.0	.6	.1	4.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0			.1	4.7	6.7
E	.1	2.8	.2	6.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0			.3	9.5	5.7
ESE	.0	.1	.0	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0			.1	1.6	7.0
SE	.0	.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	1.5	4.5
SSE	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	1.0	5.6
S	.0	.5	.0	.6	.0	.2	.0	.0	.0	.1	.0	.0	.0	.1			.0	1.4	9.2
SSW	.0	.2	.0	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0			.1	2.0	8.1
SW	.0	1.2	.1	3.4	.0	.7	.0	.3	.0	.2	.0	.1	.0	.0			.2	6.0	8.8
WSW	.0	.6	.1	2.5	.0	.6	.0	.2	.0	.2	.0	.2	.0	.1			.1	4.3	10.4
W	.1	1.6	.3	9.1	.0	.7	.0	.6	.0	.0	.0	.0	.0	.0			.4	11.9	7.9
WNW	.0	.2	.1	2.6	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0			.1	3.6	9.2
NW	.0	.4	.0	.6	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0			.0	1.4	8.1
NNW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.4	8.6
CALM	1.5	46.2															1.5	46.2	
TOTAL	1.8	56.6	1.2	37.4	.1	3.4	.0	1.5	.0	.6	.0	.2	.0	.2			3.2	100	4.0

EGE EAGLE, CO

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 23063

NO. OBS.: 787

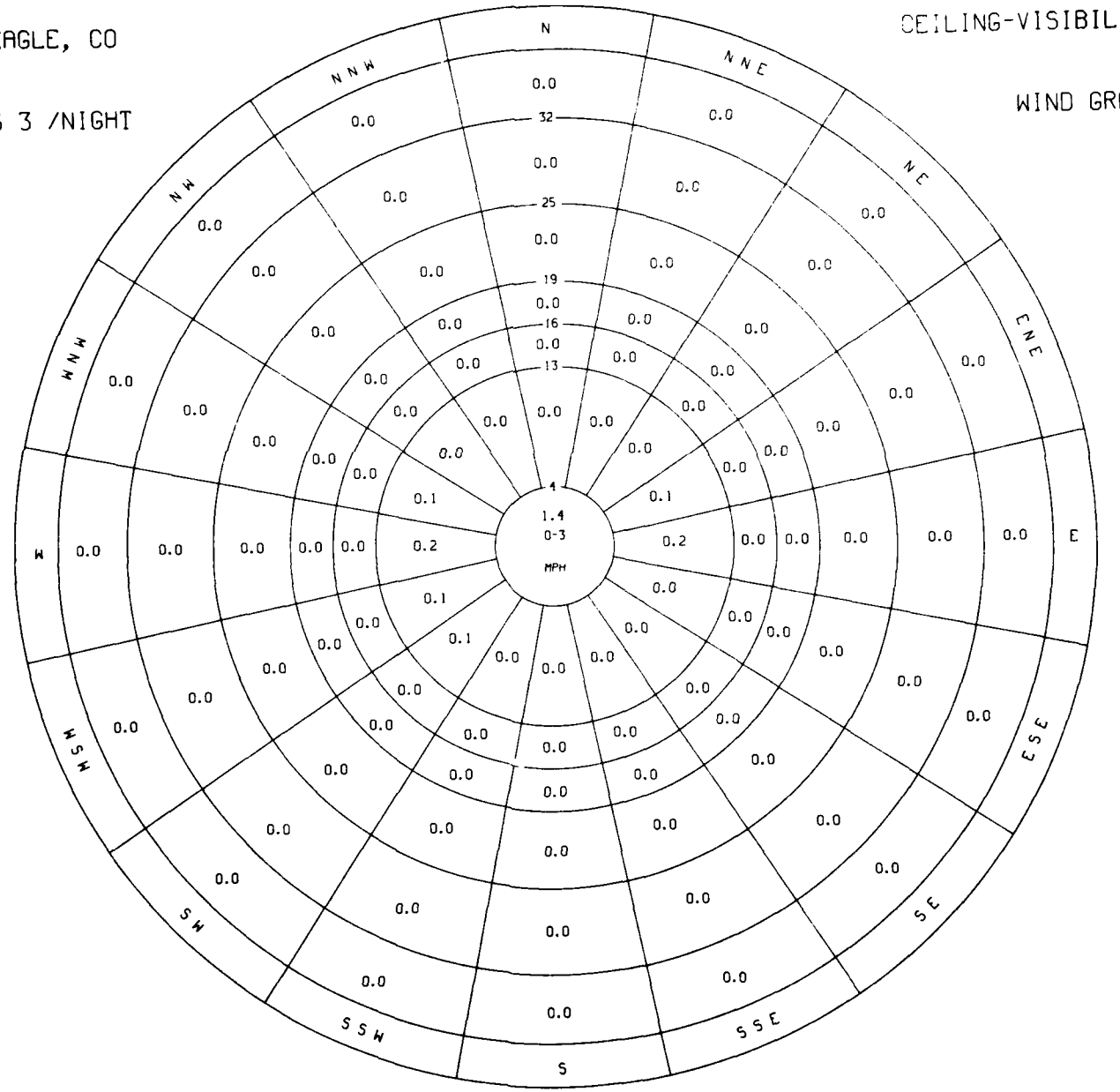
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.9	8.3
NNE	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	9.5
NE	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.6
ENE	.0	.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.2
E	.0	1.4	.1	5.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	6.7	7.0
ESE	.0	.0	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	7.4
SE	.0	.5	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.5
SSE	.0	.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.8
S	.0	.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.4
SSW	.0	.1	.0	1.1	.0	.1	.0	.1	.0	.3	.0	.0	.0	.0	.0	1.8	9.6
SW	.0	1.5	.1	4.2	.0	.5	.0	.6	.0	1.5	.0	.4	.0	.0	.1	8.8	11.2
WSW	.0	.5	.1	3.9	.0	.9	.0	.8	.0	.9	.0	.4	.0	.0	.1	7.4	11.1
W	.0	2.3	.1	9.3	.0	.8	.0	.9	.0	.4	.0	.3	.0	.0	.2	13.9	9.0
WNW	.0	.5	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.1	.0	.0	.1	3.3	9.6
NW	.0	.3	.0	1.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.2	7.5
NNW	.0	.0	.0	.4	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.6	12.0
CALM	.7	43.5													.7	43.5	
TOTAL	.8	52.4	.6	36.3	.1	3.8	.0	2.9	.1	3.4	.0	1.1	.0	.0	1.5	100	5.1

EGE EAGLE, CO

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 23063

NO. OBS.: 932

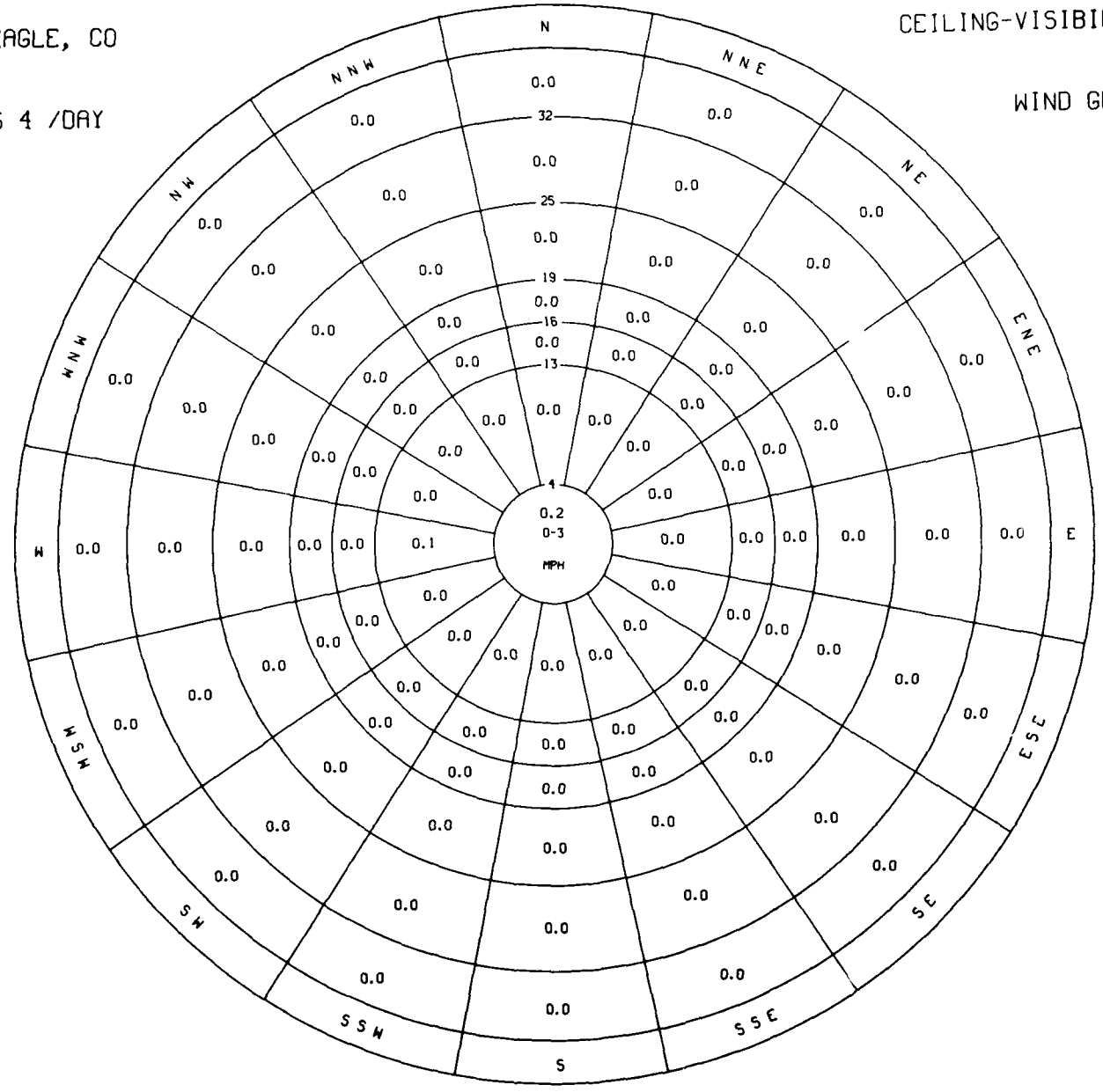
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.1
NNE	.0	.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.9
NE	.0	1.4	.0	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	5.4
ENE	.0	.5	.1	4.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	6.8
E	.1	2.8	.2	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.5	5.7
ESE	.0	.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.1
SE	.0	.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.5
SSE	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.1
S	.0	.5	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	1.5	8.5
SSW	.0	.2	.0	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	7.2
SW	.0	1.4	.1	3.0	.0	.5	.0	.1	.0	.2	.0	.0	.0	.0	.1	5.3	7.9
WSW	.0	.8	.1	2.1	.0	.4	.0	.2	.0	.2	.0	.2	.0	.0	.1	4.0	10.2
W	.0	1.5	.2	9.3	.0	.6	.0	.5	.0	.0	.0	.0	.0	.0	.3	12.0	8.0
WNW	.0	.2	.1	2.6	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.4	8.7
NW	.0	.4	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.1	8.4
NNW	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	8.6
CALM	1.1	46.0													1.1	46.0	
TOTAL	1.4	57.3	.9	38.1	.1	2.7	.0	1.1	.0	.5	.0	.2	.0	.1	2.4	100	3.9

EGE EAGLE, CO

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 23063

NO. OBS.: 190

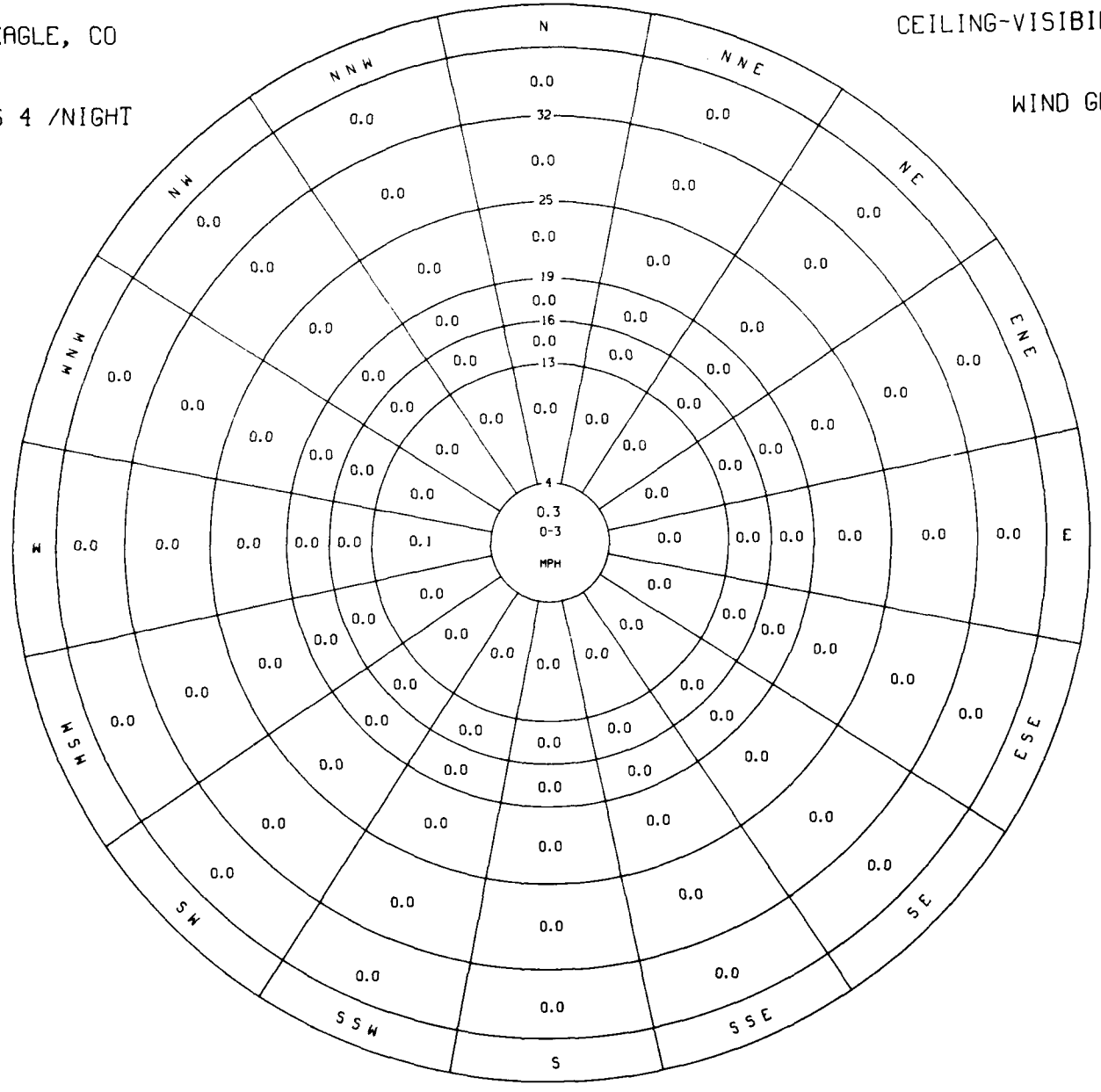
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.6	10.7
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.3
ENE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.7
E	.0	1.1	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.6
ESE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.5
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.7
SSE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.0
S	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	12.0
SSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.8
SW	.0	1.1	.0	4.7	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	6.8	8.2
WSW	.0	1.1	.0	5.3	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	7.9	8.9
W	.0	2.1	.1	14.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.8	7.1
WNW	.0	.5	.0	2.6	.0	.5	.0	.0	.0	1.1	.0	.0	.0	.0	.0	4.7	11.7
NW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.6	13.7
NNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	12.0
CALM	.2	45.8													.2	45.8	
TOTAL	.2	53.2	.2	41.1	.0	2.1	.0	1.6	.0	2.1	.0	.0	.0	.0	.4	100	4.4

EGE EAGLE, CO

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 23063

NO. OBS.: 260

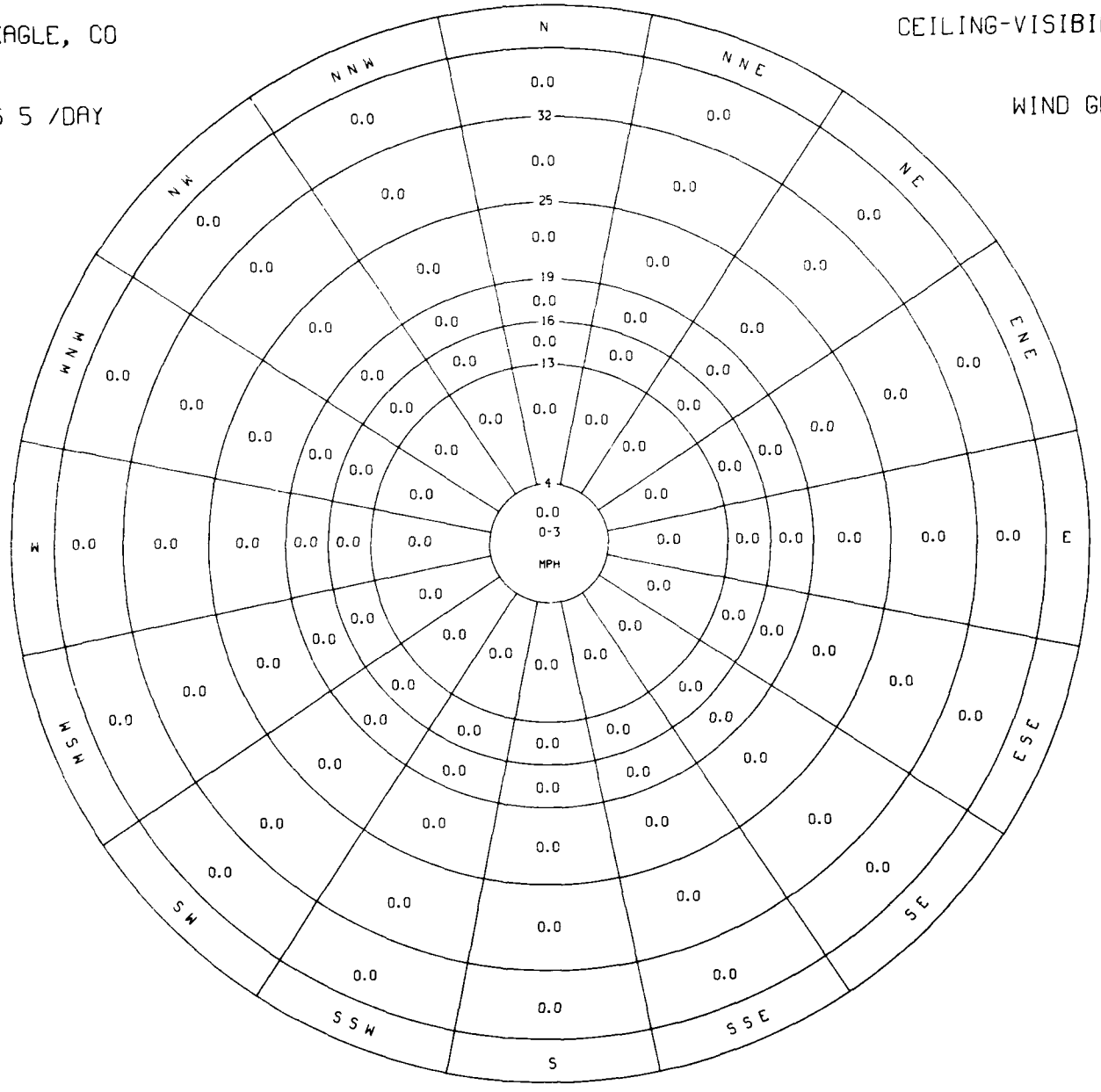
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.0
NNE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	9.0
NE	.0	.4	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.3
ENE	.0	.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.5
E	.0	2.7	.0	6.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.6	6.0
ESE	.0	.0	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.2
SE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.3
SSE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.0
S	.0	.4	.0	.4	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.5	11.7
SSW	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	10.5
SW	.0	.8	.0	5.4	.0	1.5	.0	1.2	.0	.0	.0	.4	.0	.0	.1	9.2	10.2
WSW	.0	.4	.0	4.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.4	.0	6.2	10.7
W	.0	1.5	.1	10.0	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.1	13.1	7.7
WNW	.0	.0	.0	3.5	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.6	9.7
NW	.0	.4	.0	1.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.7	6.9
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	41.9													.3	41.9	
TOTAL	.3	50.0	.3	40.4	.0	6.2	.0	2.3	.0	.4	.0	.4	.0	.4	.7	100	4.7

EGE EAGLE, CO

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 23063

NO. OBS.: 40

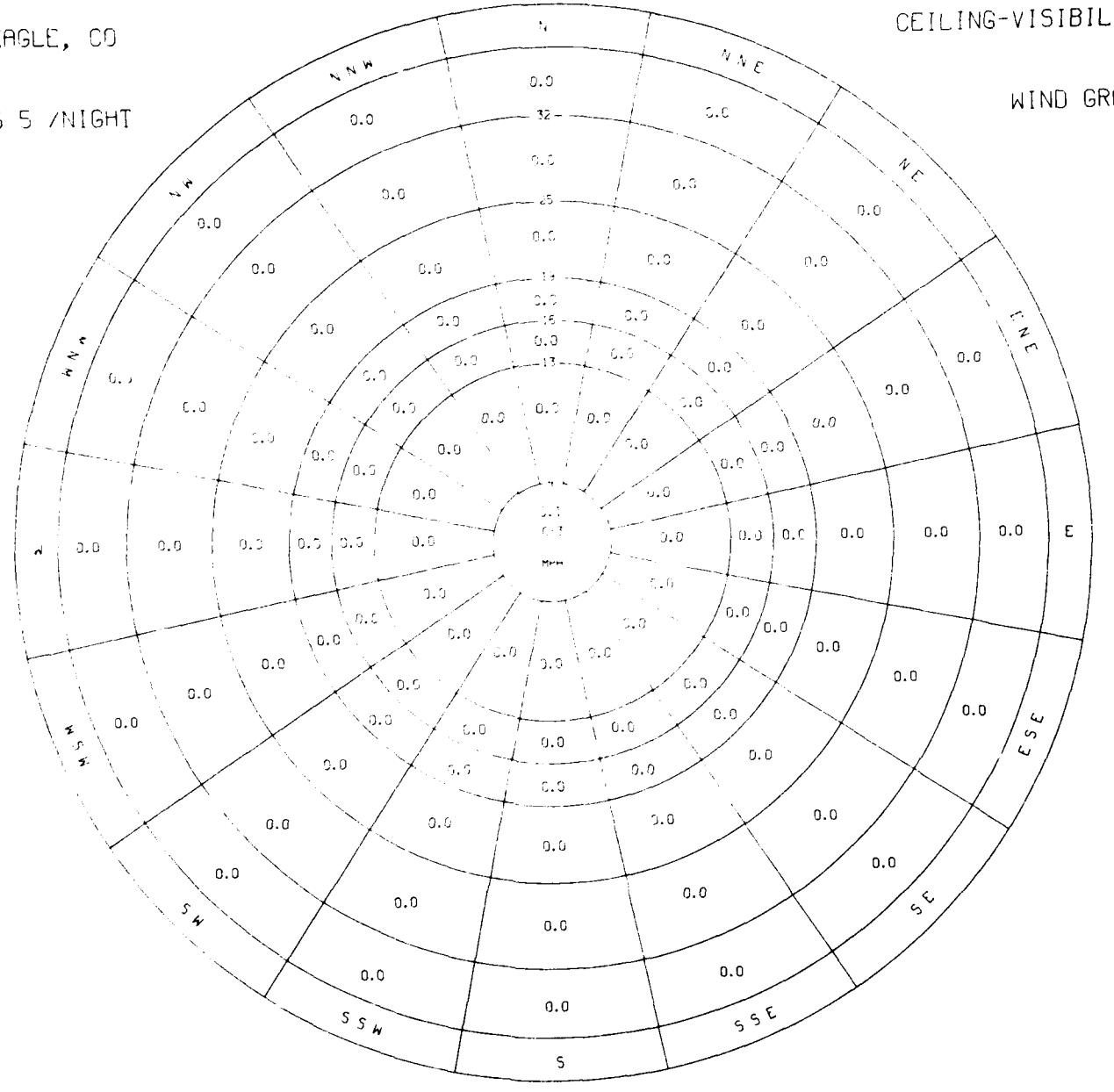
DIR	SPEED (KTS) MPH														AVG WIND SPEED
	0-3		4-12		13-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	5.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0
SE	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0
SW	.0	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.0	2.5	.0	7.5	20.3
WSW	.0	2.5	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.6
W	.0	.0	.0	5.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	7.5	9.7
WNW	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0
CALM	.0	50.0											.0	50.0	
TOTAL	.0	57.5	.0	35.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.0	2.5	.1	100	4.2

EGE EAGLE, CO

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 23063

NO. OBS.: 36

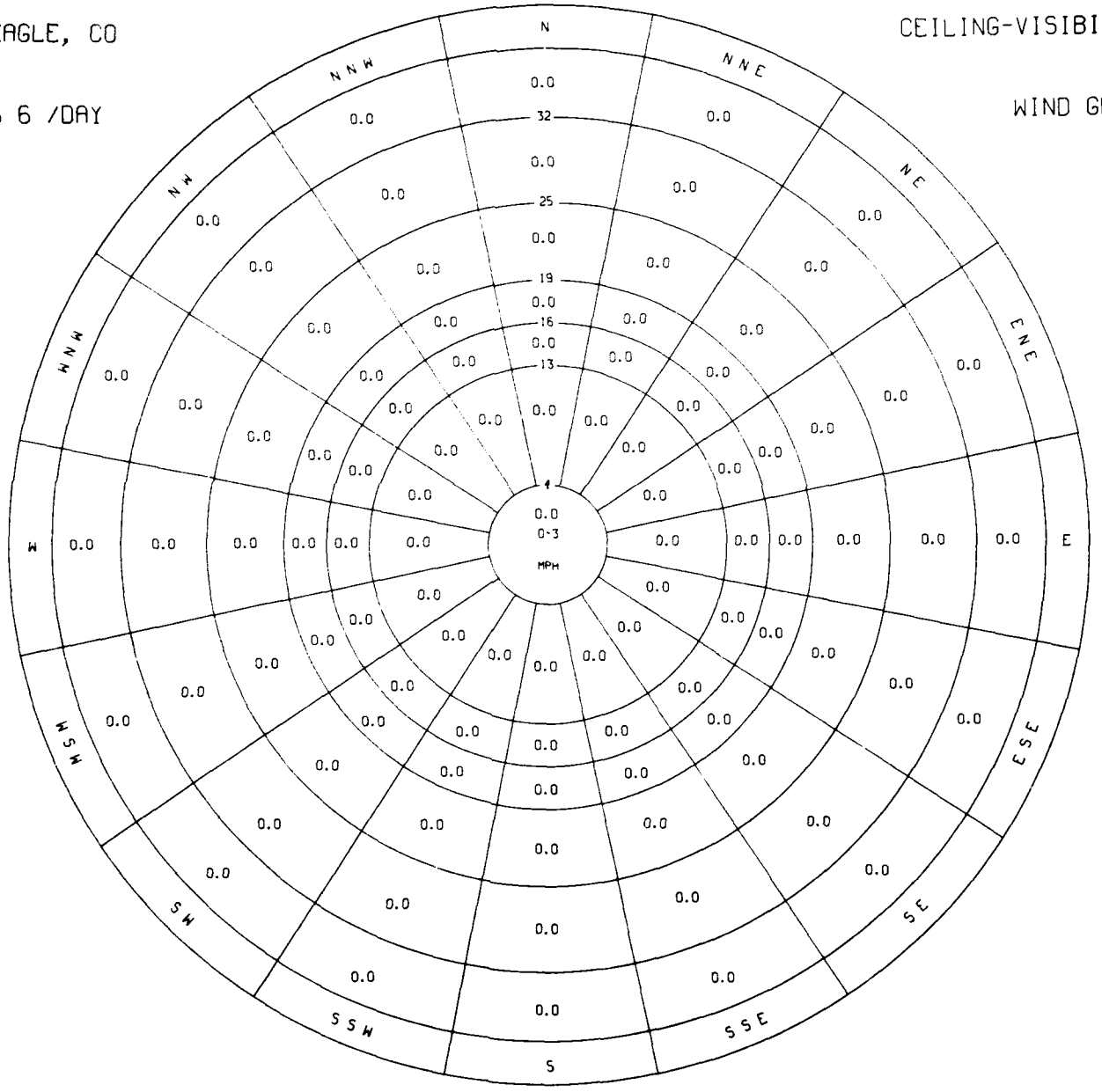
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.0
E	.0	2.8	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	4.7
ESE	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	2.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	11.0
SW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	5.6	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	8.3	7.3
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	14.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	66.7													.1	66.7	
TOTAL	.1	75.0	.0	16.7	.0	5.6	.0	2.8	.0	.0	.0	.0	.0	.0	.1	100	2.4

EGE EAGLE, CO

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 23063

NO. OBS.: 17

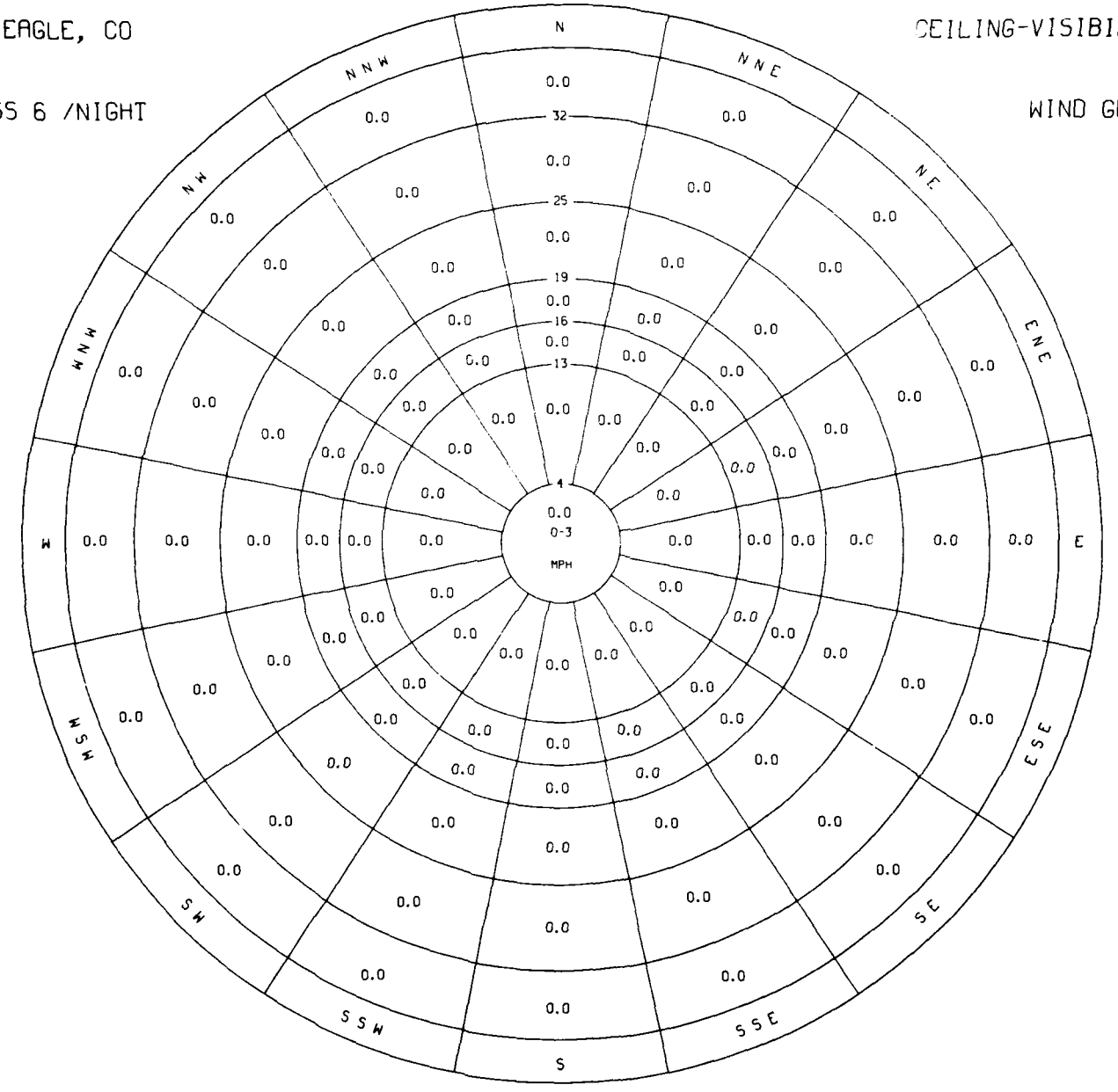
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	2.5
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	12.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	5.9	25.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	70.6													.0	70.6	
TOTAL	.0	82.4	.0	11.8	.0	.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	100	2.8

EGE EAGLE, CO

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EGE EAGLE, CO

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 23063

NO. OBS.: 19

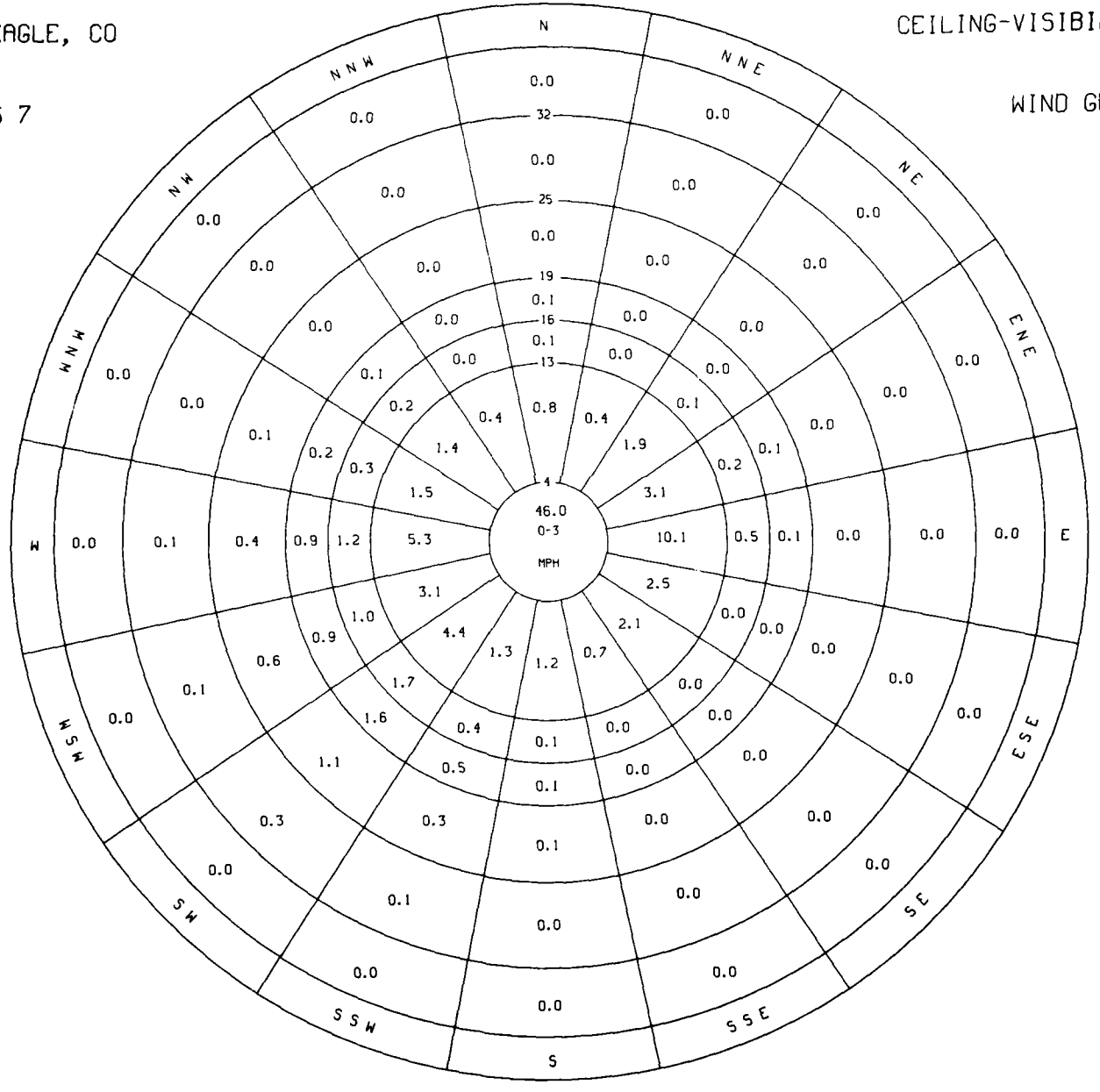
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.0
E	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	2.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	5.3	16.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	5.3	23.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	5.3	17.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	73.7													.0	73.7	
TOTAL	.0	78.9	.0	5.3	.0	.0	.0	10.5	.0	5.3	.0	.0	.0	.0	.0	100	3.4

EGE EAGLE, CO

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

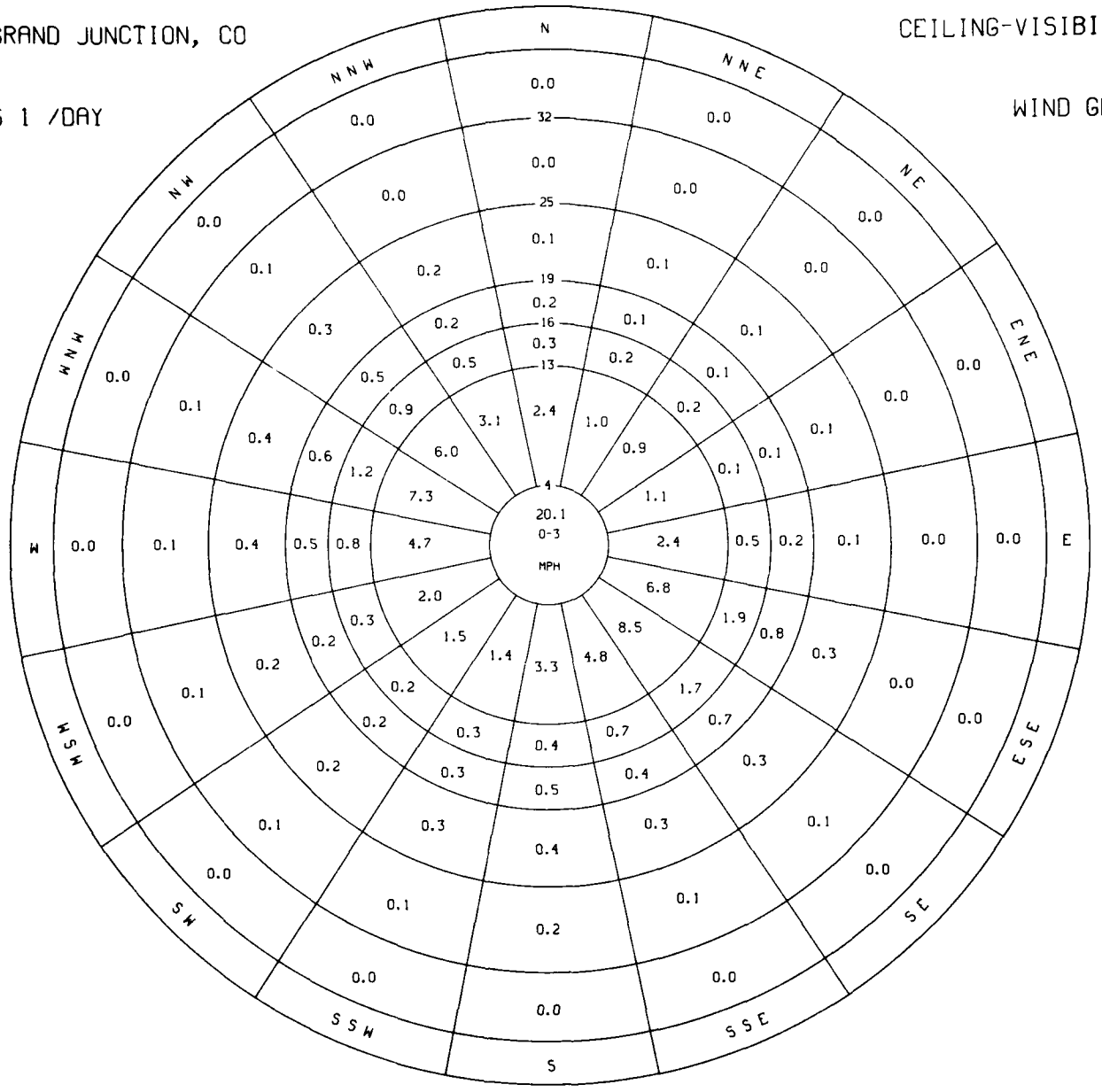


GJT GRAND JUNCTION, CO

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 23066

NO. OBS.: 50062

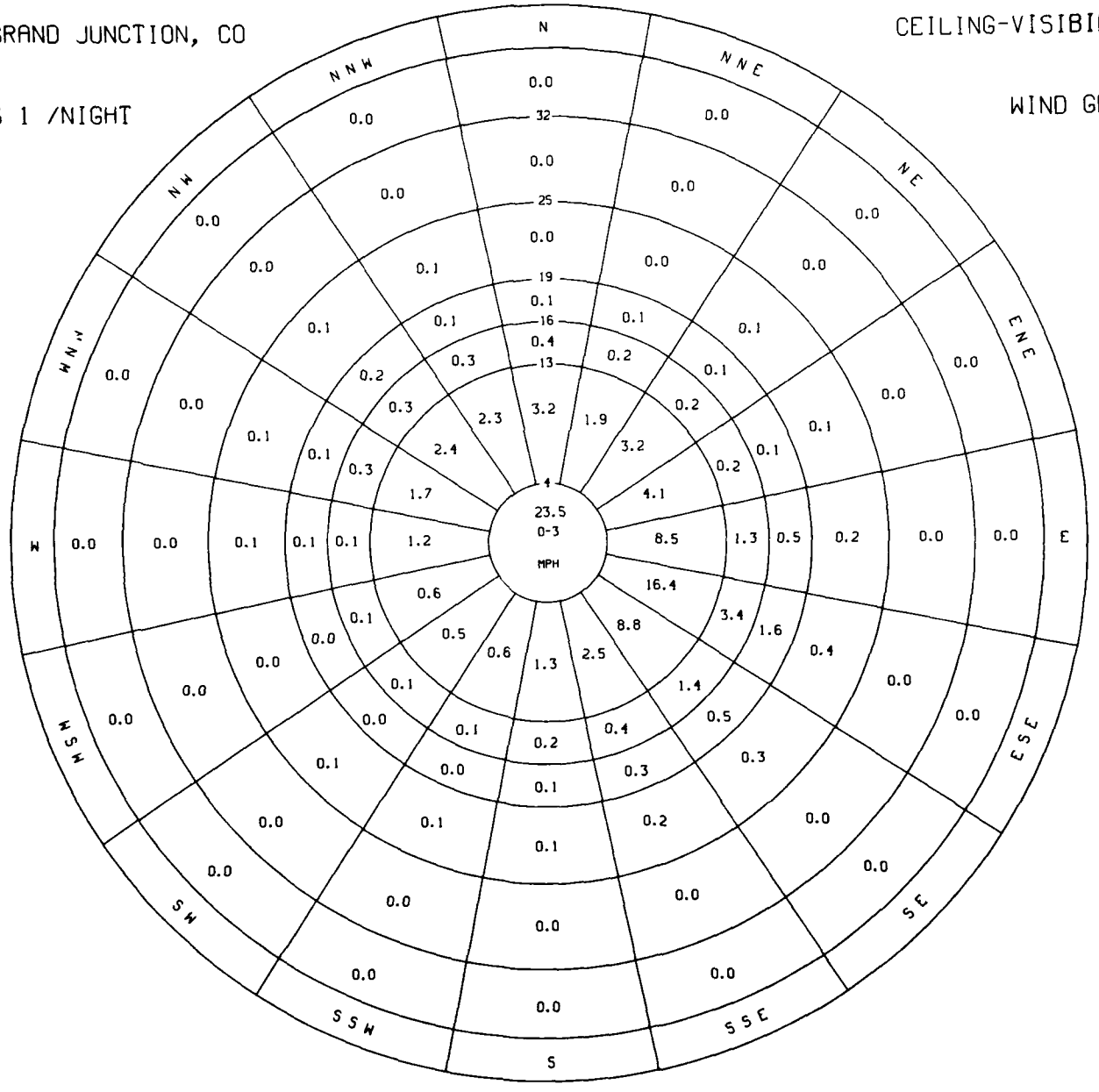
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.9	.9	2.4	2.5	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.9	3.9	7.9
NNE	.5	.5	1.0	1.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.9	1.9	7.9
NE	.6	.6	.9	1.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.9	1.9	7.6
ENE	.5	.5	1.1	1.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.9	1.9	6.9
E	1.1	1.1	2.4	2.5	.5	.5	.2	.3	.1	.1	.0	.0	.0	.0	4.3	4.4	8.0
ESE	1.2	1.2	6.8	7.0	1.9	1.9	.8	.8	.3	.3	.0	.0	.0	.0	11.0	11.2	9.7
SE	1.2	1.2	8.5	8.6	1.7	1.8	.7	.7	.3	.3	.1	.1	.0	.0	12.5	12.7	9.5
SSE	.9	1.0	4.8	4.9	.7	.8	.4	.4	.3	.3	.1	.1	.0	.0	7.4	7.5	9.3
S	1.1	1.1	3.3	3.3	.4	.4	.5	.5	.4	.4	.2	.2	.0	.0	5.8	6.0	9.5
SSW	.7	.7	1.4	1.4	.3	.3	.3	.3	.3	.3	.1	.1	.0	.0	3.1	3.2	10.4
SW	.7	.7	1.5	1.5	.2	.3	.2	.2	.2	.2	.1	.1	.0	.0	2.9	3.0	9.0
WSW	.7	.8	2.0	2.1	.3	.3	.2	.2	.2	.2	.1	.1	.0	.0	3.6	3.6	8.8
W	1.3	1.4	4.7	4.8	.8	.8	.5	.5	.4	.4	.1	.1	.0	.0	7.8	8.0	9.1
WNW	1.3	1.3	7.3	7.4	1.2	1.3	.6	.6	.4	.4	.1	.1	.0	.0	10.9	11.1	9.2
NW	1.4	1.4	6.0	6.1	.9	.9	.5	.6	.3	.3	.1	.1	.0	.0	9.2	9.4	9.1
NNW	.8	.8	3.1	3.2	.5	.5	.2	.2	.2	.2	.0	.0	.0	.0	4.9	4.9	8.7
CALM	5.4	5.5													5.4	5.5	
TOTAL	20.1	20.5	57.4	58.4	10.4	10.6	5.6	5.7	3.7	3.7	.9	.9	.2	.2	98.2	100	8.6

GJT GRAND JUNCTION, CO

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 23066

NO. OBS.: 38690

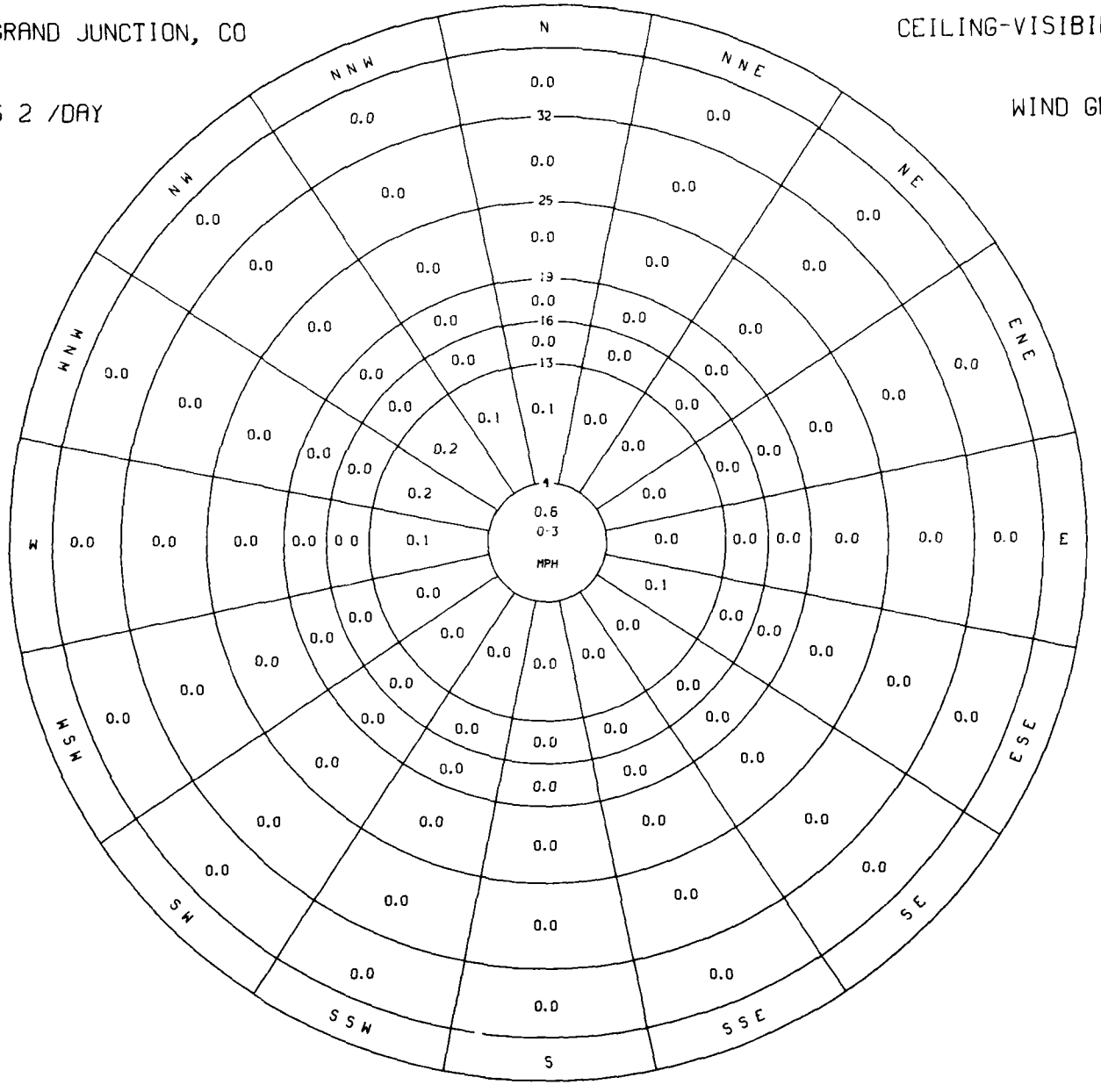
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.8	.8	3.2	3.3	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.6	4.7	7.6
NNE	.7	.7	1.9	1.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.0	7.2
NE	1.2	1.3	3.2	3.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	4.9	5.0	6.9
ENE	1.6	1.7	4.1	4.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	6.1	6.2	6.4
E	2.5	2.6	8.5	8.7	1.3	1.3	.5	.5	.2	.2	.0	.0	.0	.0	13.1	13.4	7.9
ESE	2.1	2.1	16.4	16.8	3.4	3.5	1.6	1.7	.4	.4	.0	.0	.0	.0	24.0	24.5	9.5
SE	1.7	1.7	8.8	9.0	1.4	1.4	.5	.5	.3	.3	.0	.0	.0	.0	12.6	12.9	8.7
SSE	.7	.7	2.5	2.6	.4	.4	.3	.3	.2	.2	.0	.0	.0	.0	4.1	4.2	8.7
S	.8	.8	1.3	1.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.5	2.5	7.5
SSW	.4	.4	.6	.6	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0	1.2	1.2	7.5
SW	.4	.4	.5	.5	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0	1.0	1.1	6.6
WSW	.4	.4	.6	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	6.4
W	.7	.8	1.2	1.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	2.2	2.3	7.0
WNW	.7	.8	1.7	1.8	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	3.0	3.0	7.8
NW	.8	.8	2.4	2.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.8	3.9	8.0
NNW	.7	.7	2.3	2.4	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	3.6	3.6	8.0
CALM	7.1	7.3													7.1	7.3	
TOTAL	23.5	24.0	59.2	60.6	8.8	9.0	4.1	4.2	1.9	1.9	.3	.3	.1	.1	97.8	100	7.6

GJT GRAND JUNCTION, CO

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 23066

NO. OBS.: 924

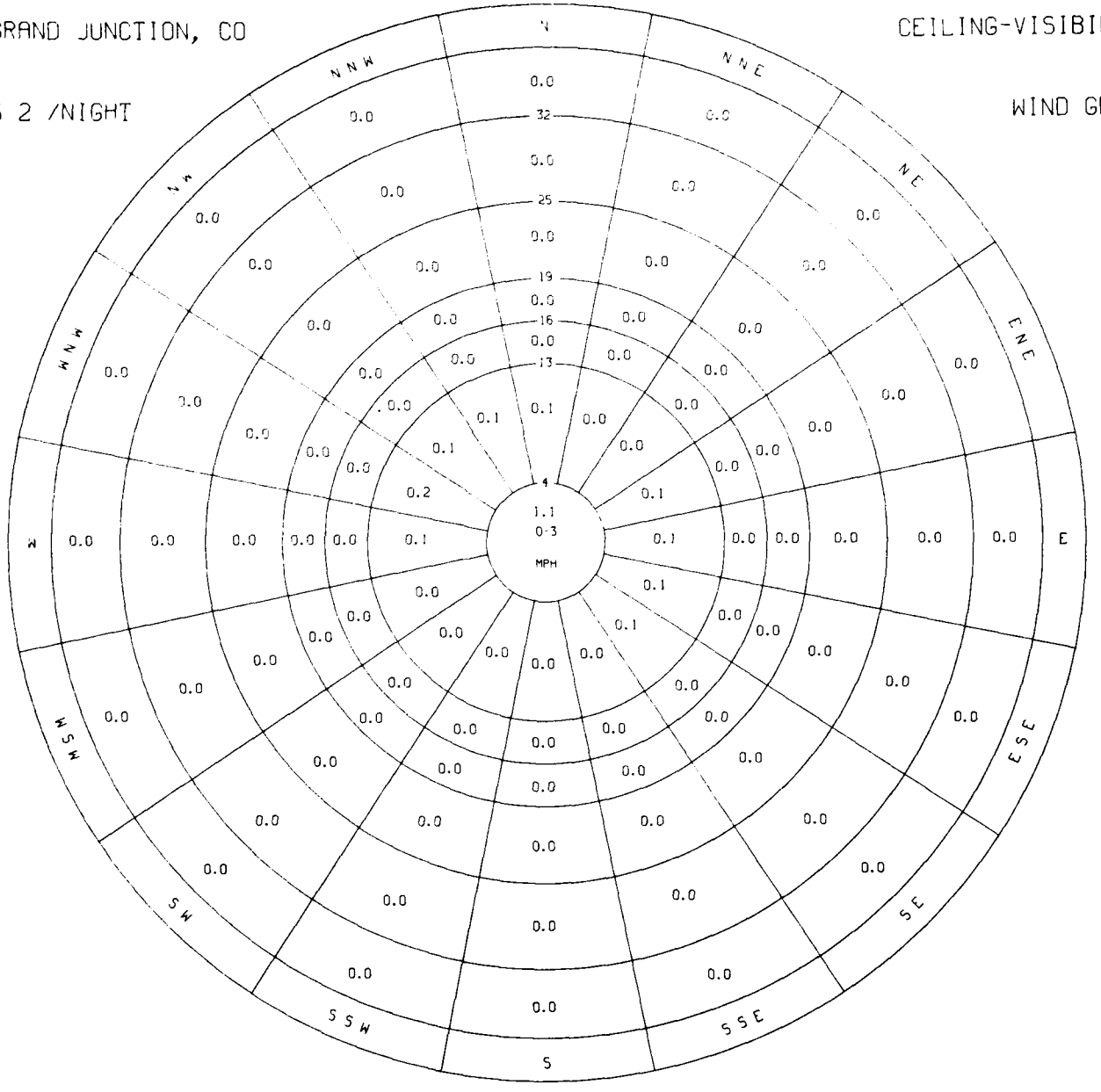
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.1	5.1	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	6.3	8.2
NNE	.0	.9	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.7
NE	.0	.8	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.6
ENE	.0	.6	.0	1.5	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.4	6.3
E	.0	1.6	.0	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	5.0
ESE	.0	1.1	.1	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	6.4
SE	.0	1.9	.0	2.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.2	5.5
SSE	.0	.5	.0	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.1
S	.0	1.2	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	2.3	5.9
SSW	.0	.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	2.4	6.9
SW	.0	.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.5
WSW	.0	1.5	.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	4.4
W	.0	2.2	.1	4.1	.0	.5	.0	.3	.0	.6	.0	.0	.0	.0	.1	7.8	7.8
WNW	.1	2.9	.2	11.0	.0	1.3	.0	.8	.0	.6	.0	.4	.0	.0	.3	17.1	8.6
NW	.0	2.7	.2	10.8	.0	2.2	.0	1.0	.0	.8	.0	.1	.0	.0	.3	17.5	8.9
NNW	.0	1.1	.1	4.3	.0	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.1	7.4	8.8
CALM	.3	14.3													.3	14.3	
TOTAL	.6	35.1	.9	51.6	.1	7.7	.0	2.6	.0	2.2	.0	.8	.0	.1	1.8	100	6.5

GJT GRAND JUNCTION, CO

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 2 / NIGHT

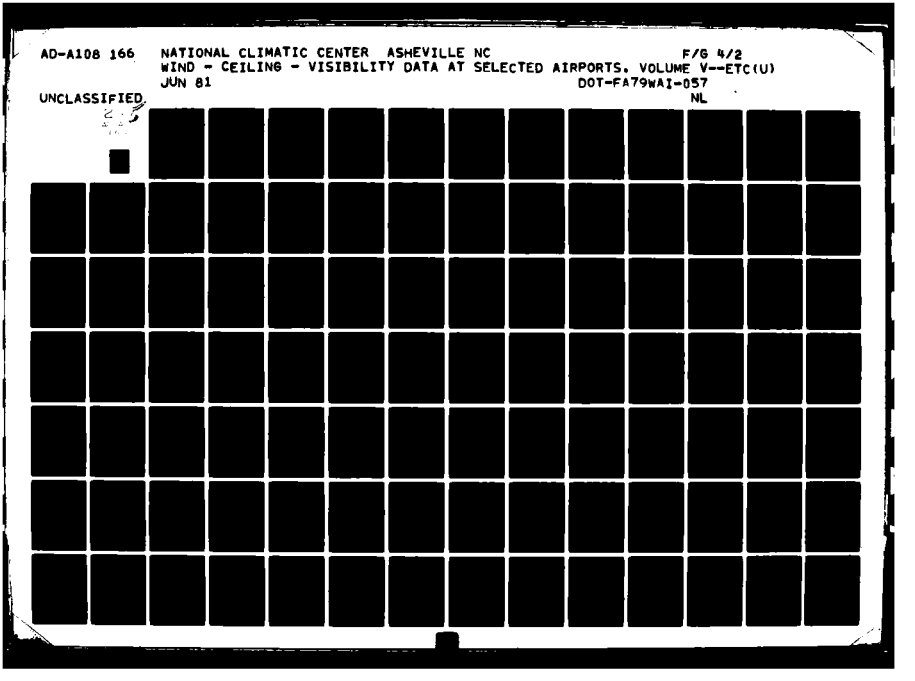
STATION NUMBER: 23066

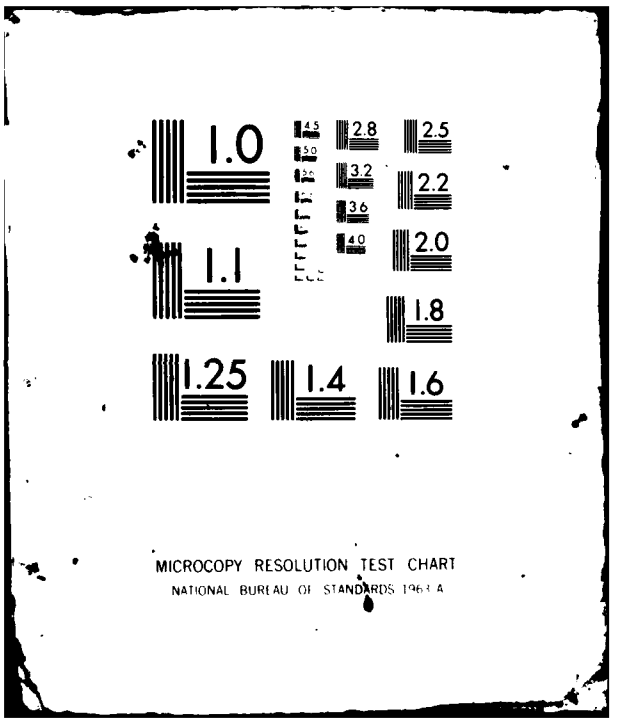
NO. OBS.: 889

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.2	.1	3.0	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1	4.7	7.2
NNE	.0	1.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	4.2
NE	.0	2.0	.0	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	4.4
ENE	.0	1.8	.1	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	4.7
E	.0	1.9	.1	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	4.9
ESE	.1	4.2	.1	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	8.5	4.4
SE	.0	1.5	.1	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.9	6.1
SSE	.0	1.0	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.2
S	.0	.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.3
SSW	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.1
SW	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.3
WSW	.0	1.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.0
W	.0	1.5	.1	3.5	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.1	5.5	7.0
WNW	.1	3.5	.2	6.9	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	11.8	6.7
NW	.1	3.6	.1	6.5	.0	.6	.0	.9	.0	.3	.0	.0	.0	.0	.3	11.9	7.3
NNW	.0	1.9	.1	4.5	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	7.1	6.7
CALM	.5	21.0													.5	21.0	
TOTAL	1.1	50.7	1.0	43.8	.1	3.1	.0	1.8	.0	.6	.0	.0	.0	.0	2.2	100	4.6

AD-A108 166 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL



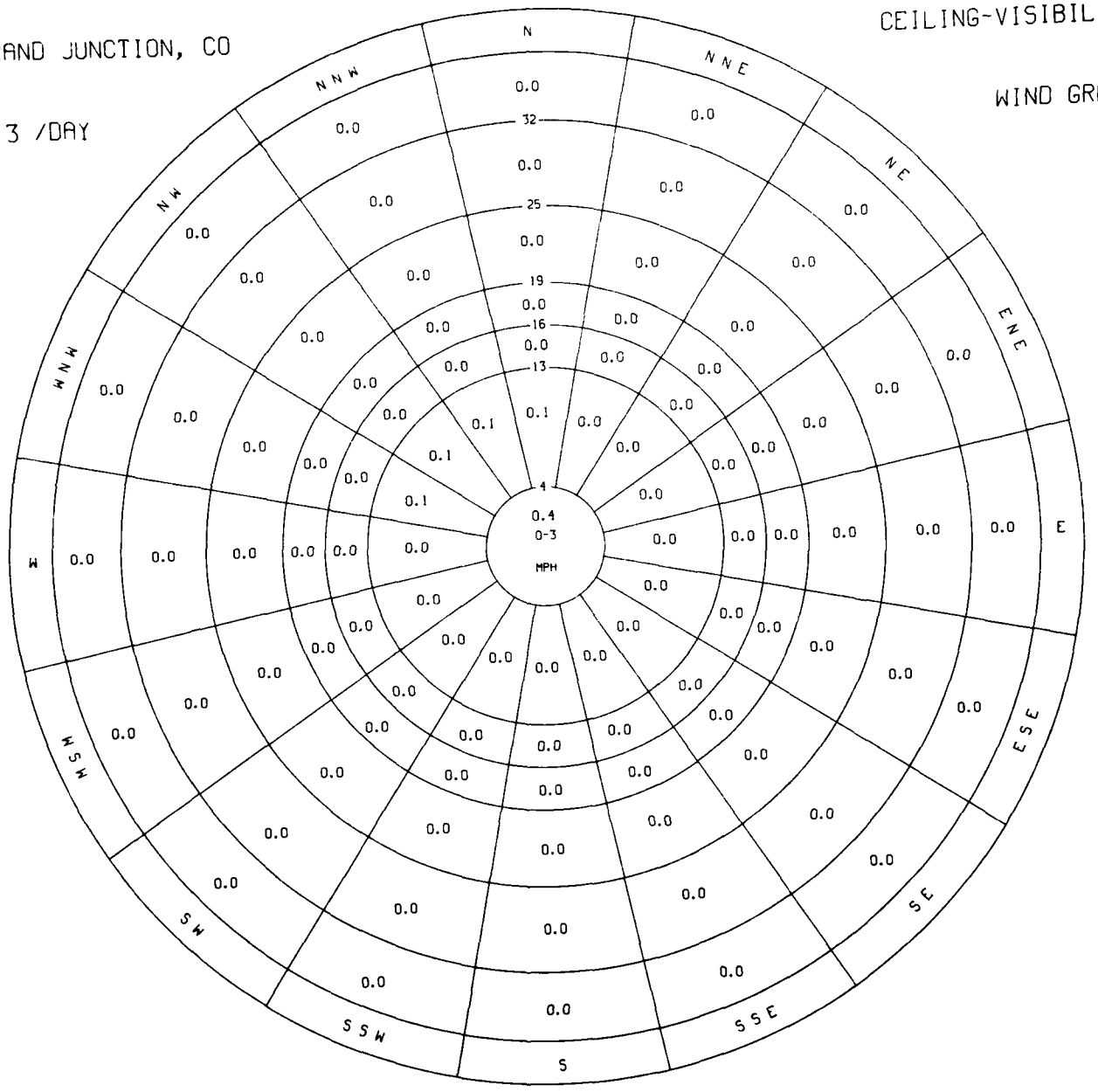

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

GJT GRAND JUNCTION, CO

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 23066

NO. OBS.: 639

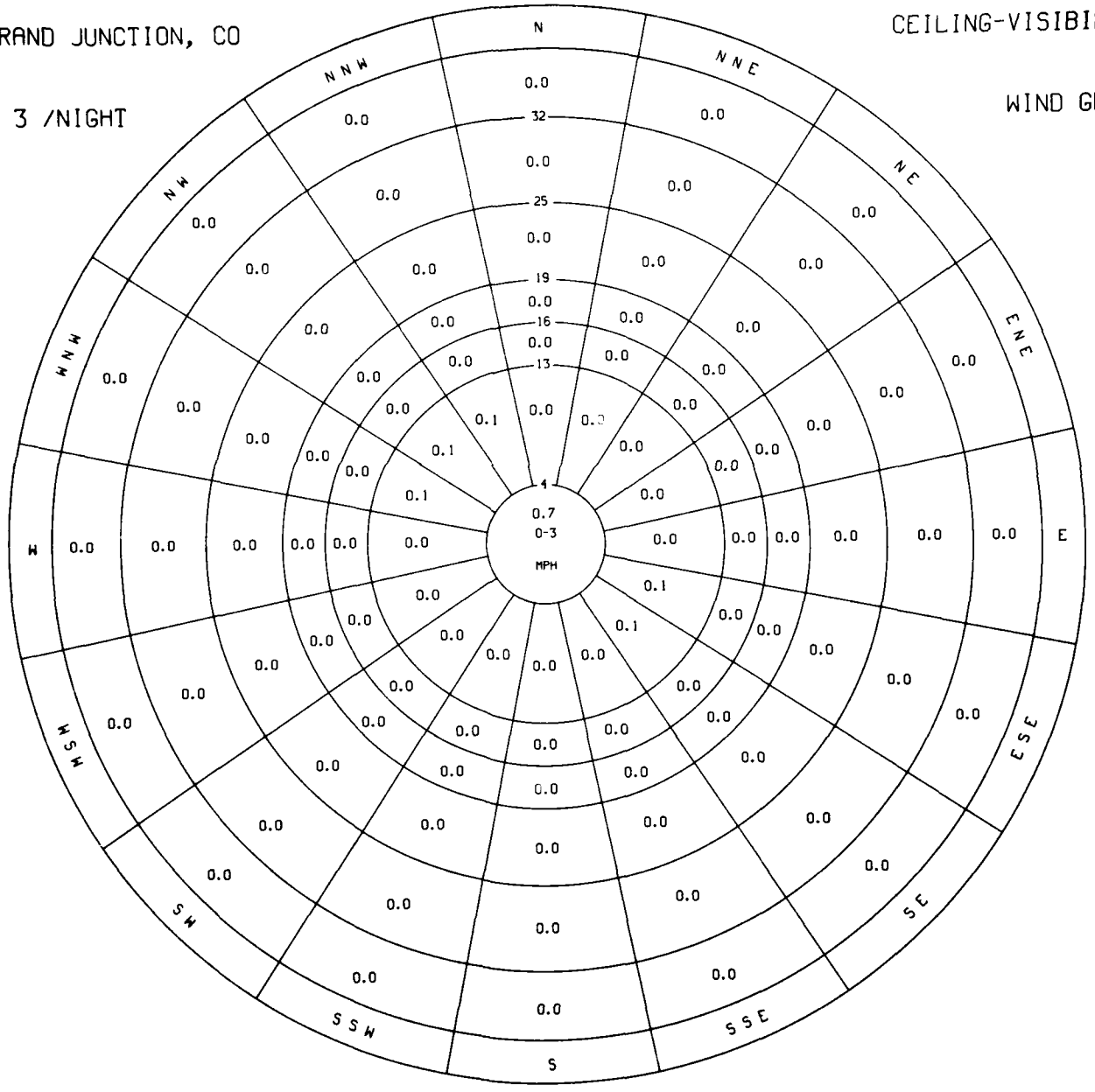
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.1	5.5	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1	6.7	8.6
NNE	.0	.6	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.0
NE	.0	.9	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.9
ENE	.0	.6	.0	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.8
E	.0	1.1	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.9
ESE	.0	.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	6.7
SE	.0	1.6	.0	2.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.1	6.1
SSE	.0	.3	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.2
S	.0	1.1	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	2.5	6.8
SSW	.0	1.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	2.8	7.1
SW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.0
WSW	.0	1.1	.0	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.2
W	.0	2.3	.0	3.8	.0	.5	.0	.2	.0	.5	.0	.0	.0	.0	.1	7.2	6.9
WNW	.0	2.8	.1	11.3	.0	1.6	.0	1.1	.0	.9	.0	.5	.0	.0	.2	18.2	9.2
NW	.0	2.8	.1	11.4	.0	2.5	.0	1.4	.0	.9	.0	.0	.0	.0	.2	19.1	9.1
NNW	.0	.5	.1	5.5	.0	2.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	8.3	9.6
CALM	.1	11.0													.1	11.0	
TOTAL	.4	29.6	.7	54.6	.1	9.1	.0	3.4	.0	2.3	.0	.8	.0	.2	1.3	100	7.1

GJT GRAND JUNCTION, CO

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 23066

NO. OBS.: 545

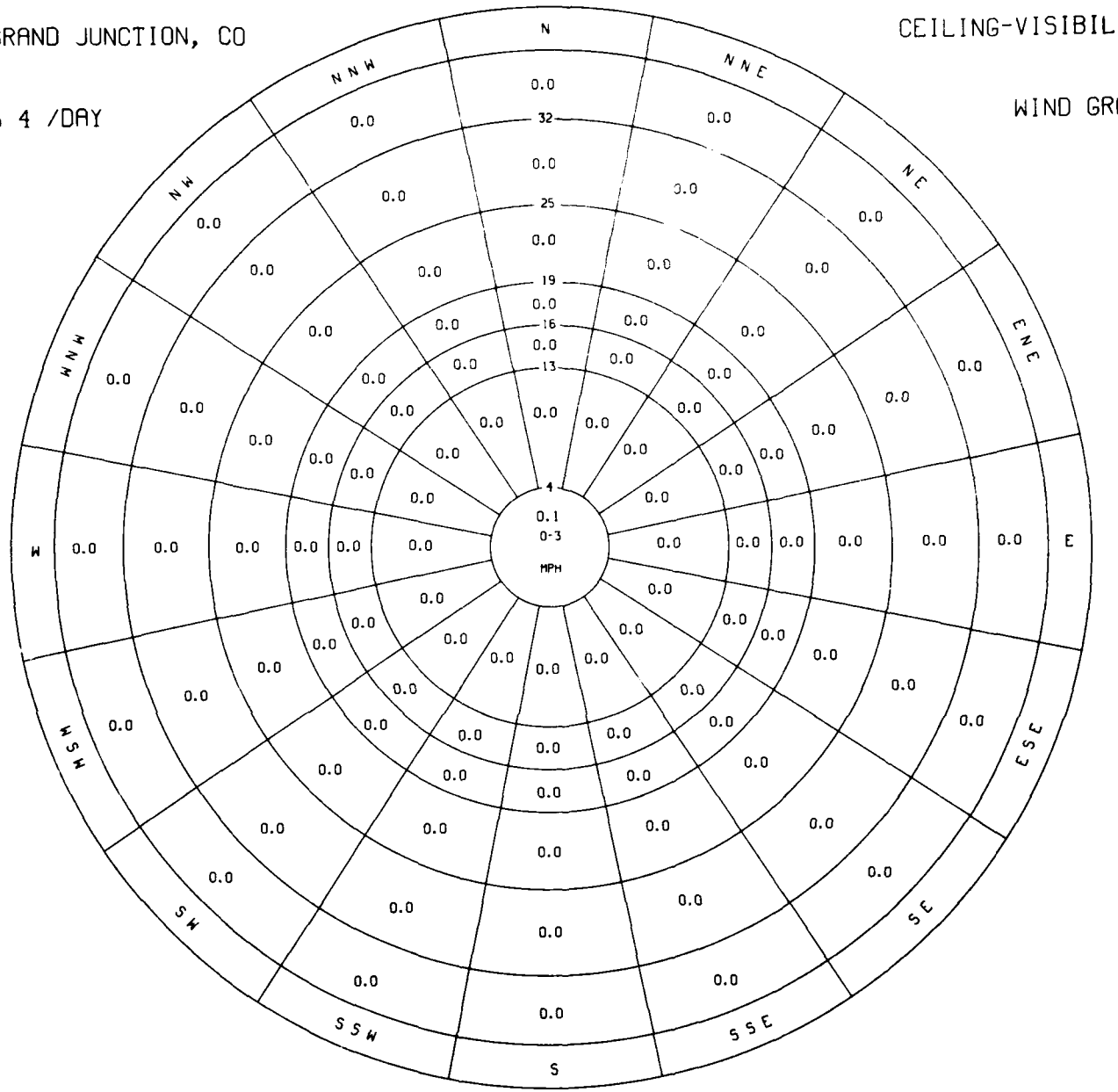
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	3.3	.0	.4	.0	.0	.0	.2	.0	.0	.0	.0	.1	4.8	8.4
NNE	.0	1.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.3
NE	.0	2.4	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	4.4
ENE	.0	1.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.2	4.6
E	.0	1.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	4.9
ESE	.1	3.9	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.8	4.6
SE	.0	2.0	.1	3.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.9	5.7
SSE	.0	.4	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.7
S	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.8
SSW	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.2
SW	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.6
WSW	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.2
W	.0	.9	.0	3.1	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.1	4.8	7.8
WNW	.1	3.7	.1	6.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.4	6.8
NW	.0	3.3	.1	7.7	.0	.6	.0	.7	.0	.4	.0	.0	.0	.0	.2	12.7	7.3
NNW	.0	2.0	.1	5.1	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.1	8.1	7.0
CALM	.3	20.7													.3	20.7	
TOTAL	.7	47.7	.6	46.6	.1	3.7	.0	1.5	.0	.6	.0	.0	.0	.0	1.4	100	4.8

GJT GRAND JUNCTION, CO

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 23066

NO. OBS.: 165

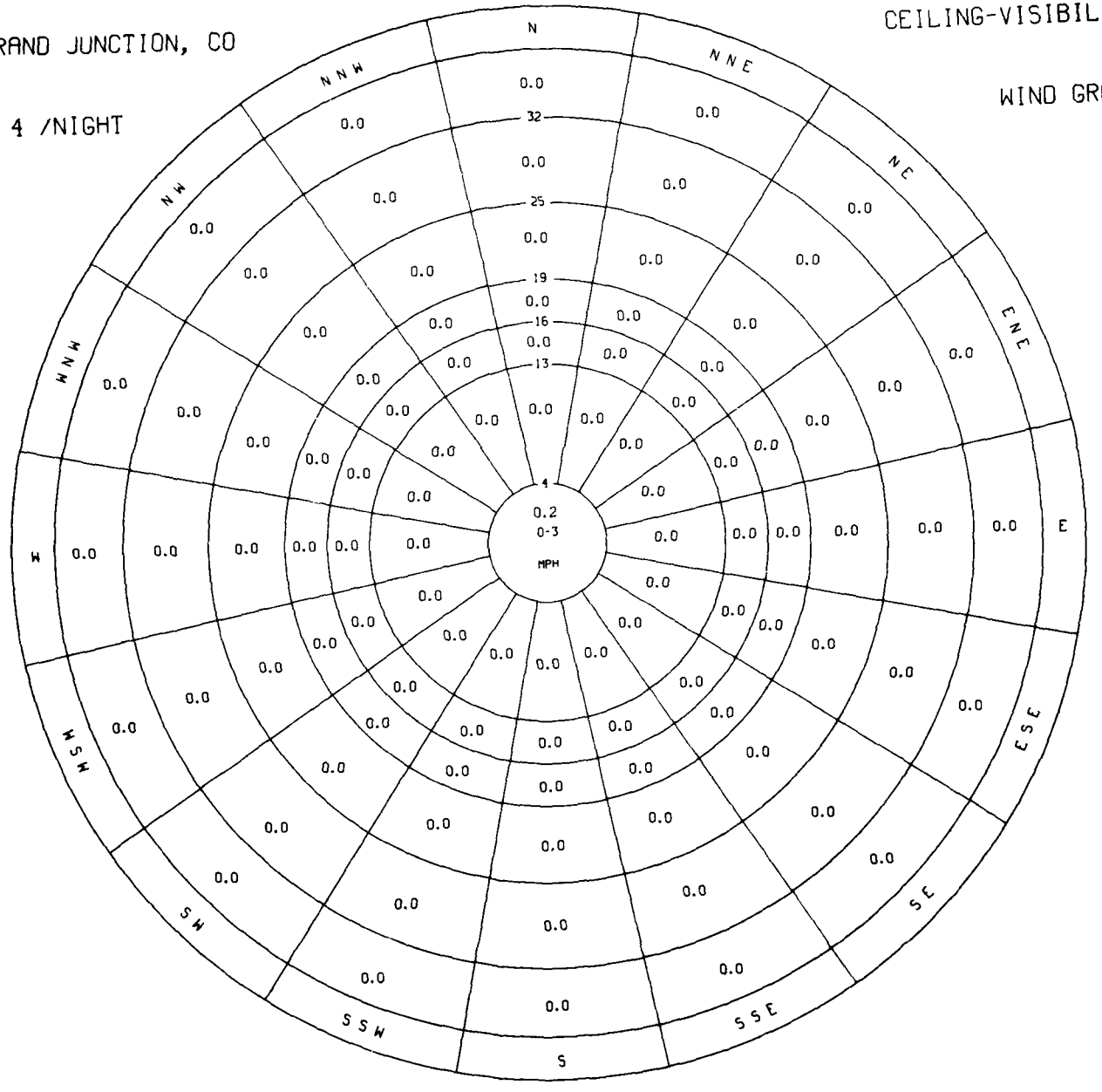
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.0	3.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	8.2
NNE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5
NE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.0
ENE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	1.8	8.0
E	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5
ESE	.0	.0	.0	3.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	7.4
SE	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.0
SSE	.0	1.2	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.9
S	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.0
SSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.0
SW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.5
WSW	.0	2.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.1
W	.0	1.2	.0	5.5	.0	1.2	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	10.3	10.8
WNW	.0	3.0	.0	15.2	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.1	19.4	7.6
NW	.0	1.2	.0	12.7	.0	1.8	.0	.0	.0	.6	.0	.6	.0	.0	.1	17.0	9.7
NNW	.0	3.0	.0	3.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	5.9
CALM	.1	17.6													.1	17.6	
TOTAL	.1	35.2	.2	53.9	.0	6.1	.0	1.2	.0	2.4	.0	1.2	.0	.0	.3	100	6.3

GJT GRAND JUNCTION, CO

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 23066

NO. OBS.: 174

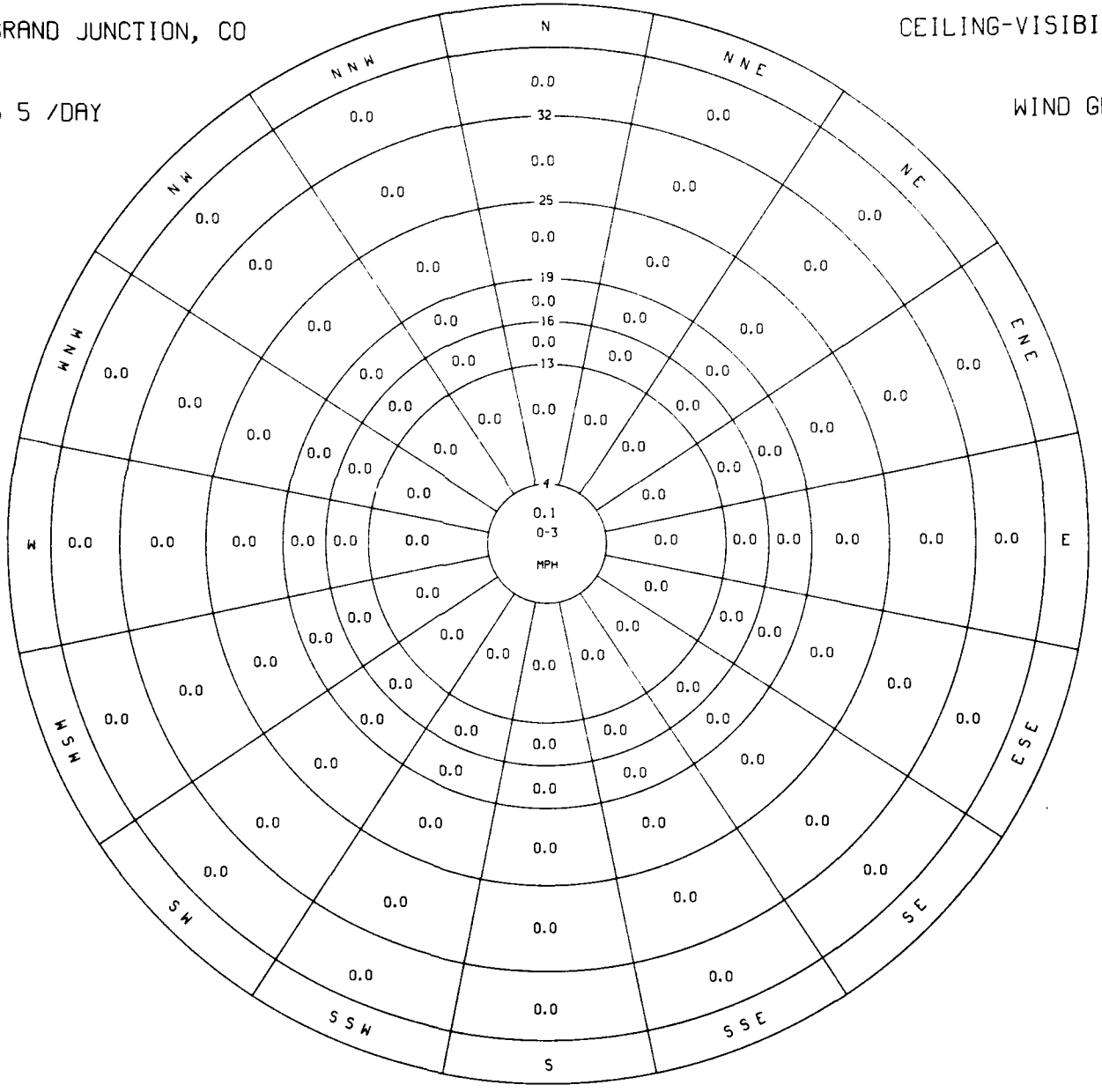
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.1	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.3
NNE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
NE	.0	2.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.4
ENE	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.5
E	.0	2.9	.0	3.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	5.2
ESE	.0	4.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	4.8
SE	.0	.6	.0	1.7	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.9	8.2
SSE	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.2
S	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	5.0
SSW	.0	3.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.0
SW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0
WSW	.0	2.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	2.7
W	.0	2.3	.0	6.3	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	9.2	6.9
WNW	.0	3.4	.0	8.6	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.1	14.9	7.4
NW	.0	2.9	.0	4.0	.0	.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	9.8	8.3
NNW	.0	1.7	.0	3.4	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	5.7	6.8
CALM	.1	17.2													.1	17.2	
TOTAL	.2	50.6	.2	41.4	.0	2.9	.0	4.6	.0	.6	.0	.0	.0	.0	.4	100	4.9

GJT GRAND JUNCTION, CO

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 23066

NO. OBS.: 66

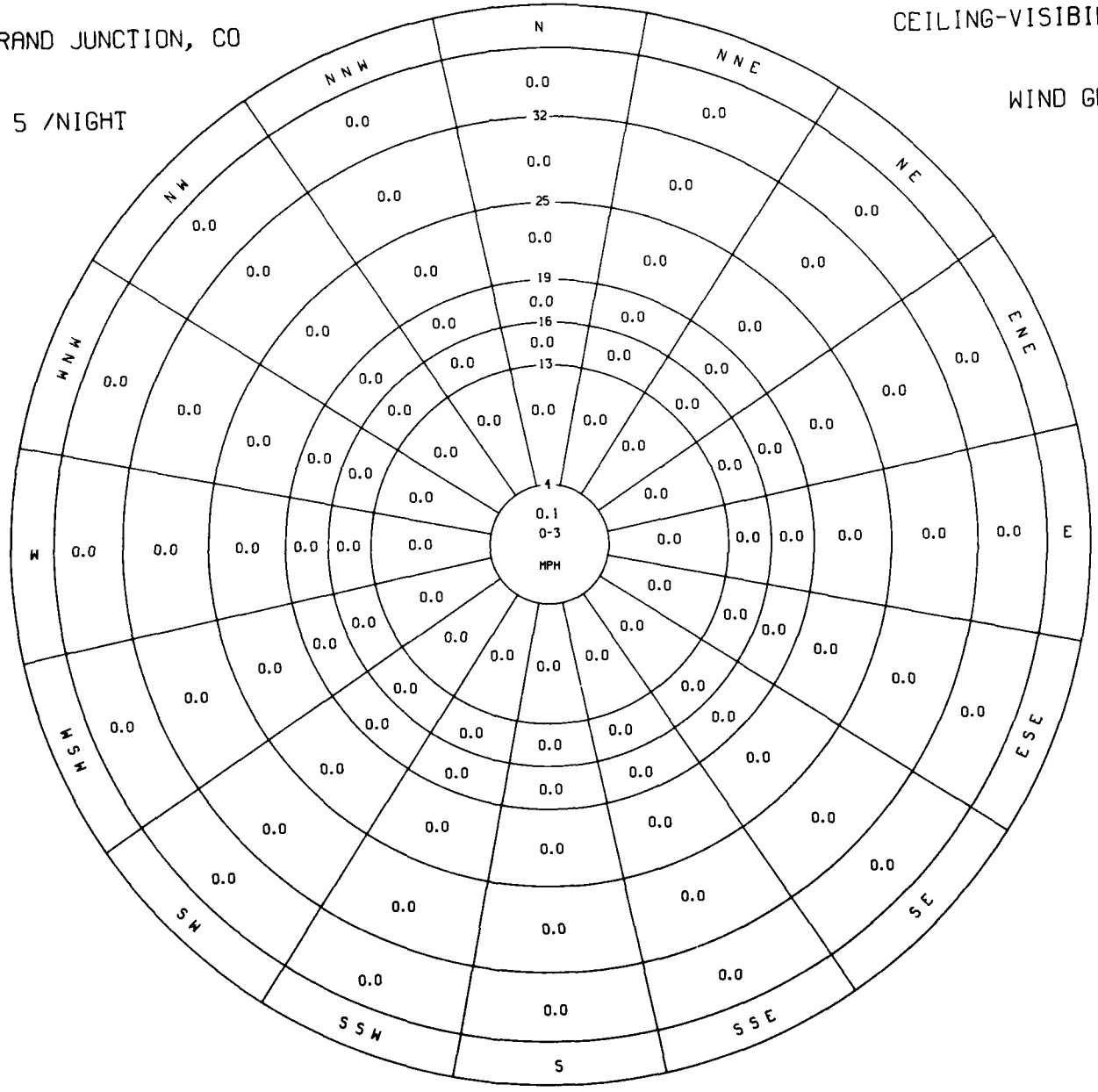
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	6.3
NNE	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	2.0
NE	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	2.0
ENE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.0
E	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	2.5
ESE	.0	3.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	5.8
SE	.0	6.1	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	4.0
SSE	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.0
S	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	2.3
SSW	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	1.0
W	.0	1.5	.0	3.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	6.1	10.0
WNW	.0	3.0	.0	4.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	6.0
NW	.0	6.1	.0	4.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	5.0
NNW	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	13.0
CALM	.0	24.2													.0	24.2	
TOTAL	.1	63.6	.0	30.3	.0	4.5	.0	.0	.0	1.5	.0	.0	.0	.0	.1	100	3.9

GJT GRAND JUNCTION, CO

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 23066

NO. OBS.: 64

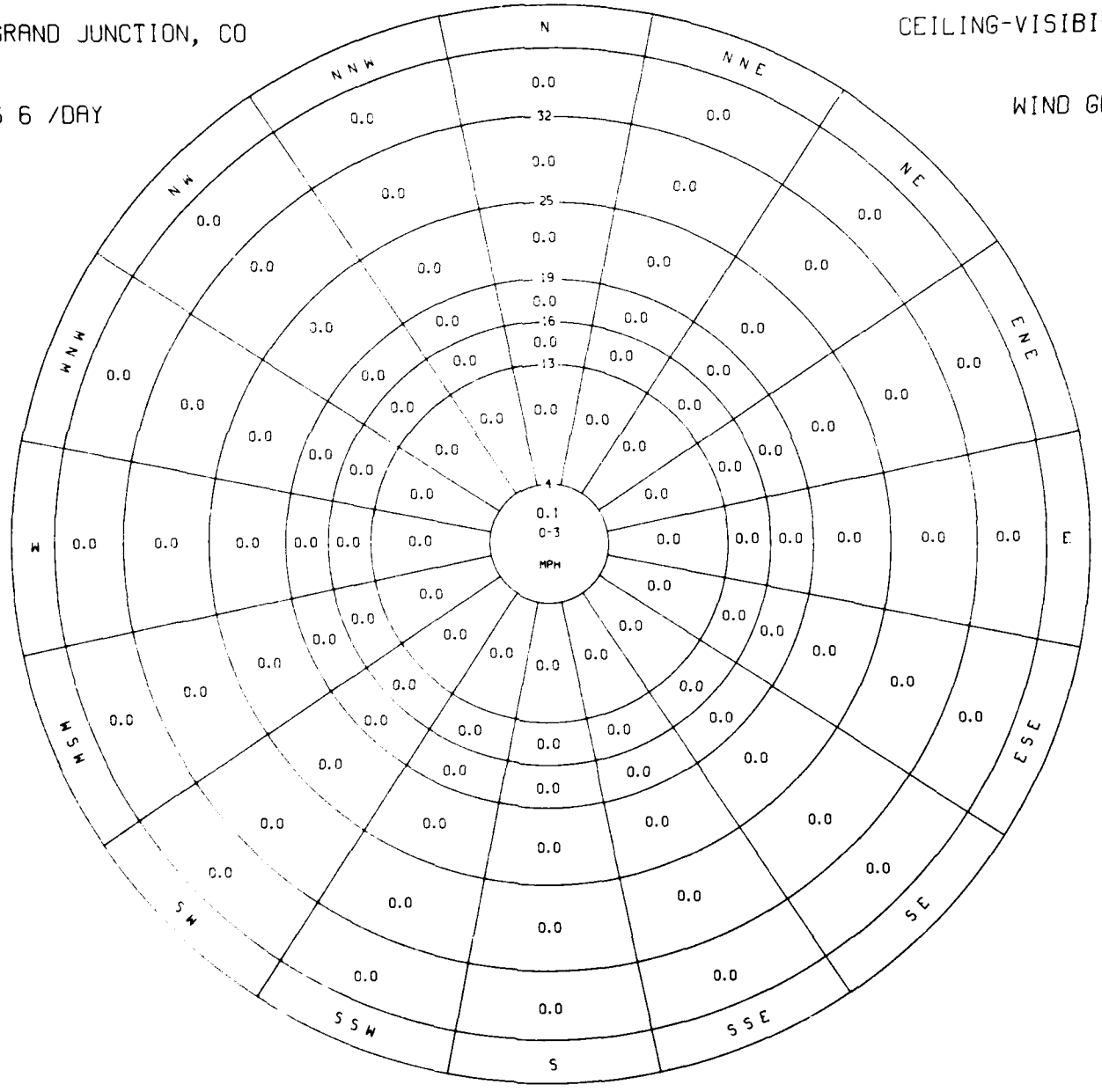
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	4.7	.0	6.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5			6.0
NNE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6			5.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
ENE	.0	1.6	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3			4.7
E	.0	3.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7			3.3
ESE	.0	1.6	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3			5.0
SE	.0	1.6	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7			5.3
SSE	.0	1.6	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7			5.0
S	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6			2.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
SW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1			4.0
WSW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1			3.5
W	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1			4.0
WNW	.0	3.1	.0	7.8	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	10.9			5.3
NW	.0	6.3	.0	9.4	.0	1.6	.0	.0	.0	1.6	.0	.0	.0	.0	.0	18.8			7.6
NNW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1			6.0
CALM	.0	15.6													.0	15.6			
TOTAL	.1	45.3	.1	50.0	.0	3.1	.0	.0	.0	1.6	.0	.0	.0	.0	.2	100			4.6

GJT GRAND JUNCTION, CO

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 23066

NO. OBS.: 54

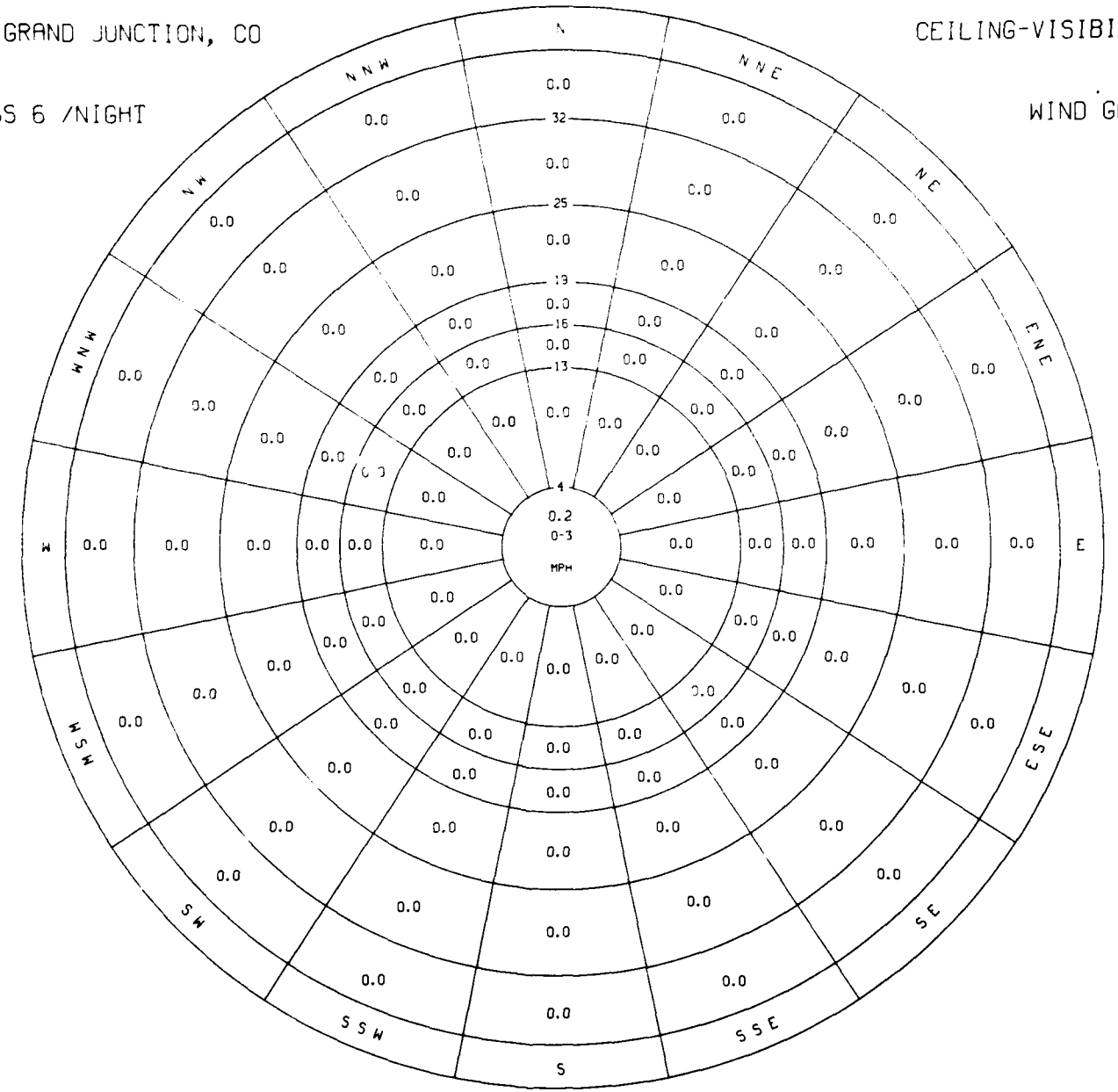
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.9	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	4.7
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.5
E	.0	3.7	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	4.2
ESE	.0	5.6	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	4.2
SE	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	2.3
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.0
WSW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.0
W	.0	3.7	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	4.4
WNW	.0	3.7	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	3.5
NW	.0	1.9	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	6.7
NNW	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	2.0
CALM	.0	31.5													.0	31.5	
TOTAL	.1	64.8	.0	35.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	100	2.9

GJT GRAND JUNCTION, CO

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GJT GRAND JUNCTION, CO

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 23066

NO. OBS.: 106

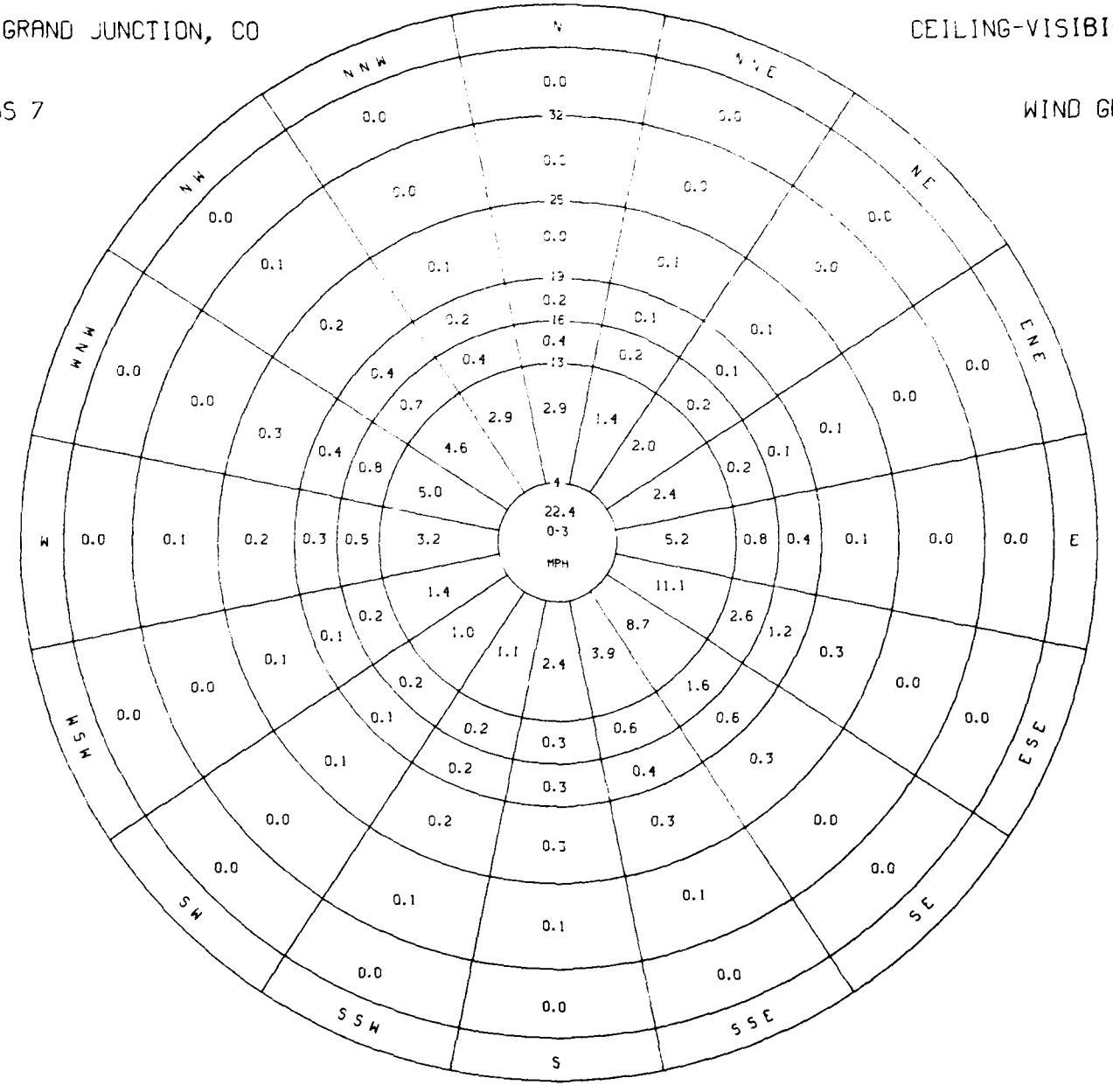
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
NNE	.0	2.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.5
NE	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.7
ENE	.0	1.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.8
E	.0	1.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.7
ESE	.0	7.5	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	3.1
SE	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.0
SSE	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	2.3
S	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	1.5
SSW	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.0
SW	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0
WSW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.0
W	.0	2.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	4.4
WNW	.0	2.8	.0	5.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	5.3
NW	.0	4.7	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	4.4
NNW	.0	2.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	4.3
CALM	.1	32.1													.1	32.1	
TOTAL	.2	69.8	.1	29.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.3	100	2.8

GJT GRAND JUNCTION, CO

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

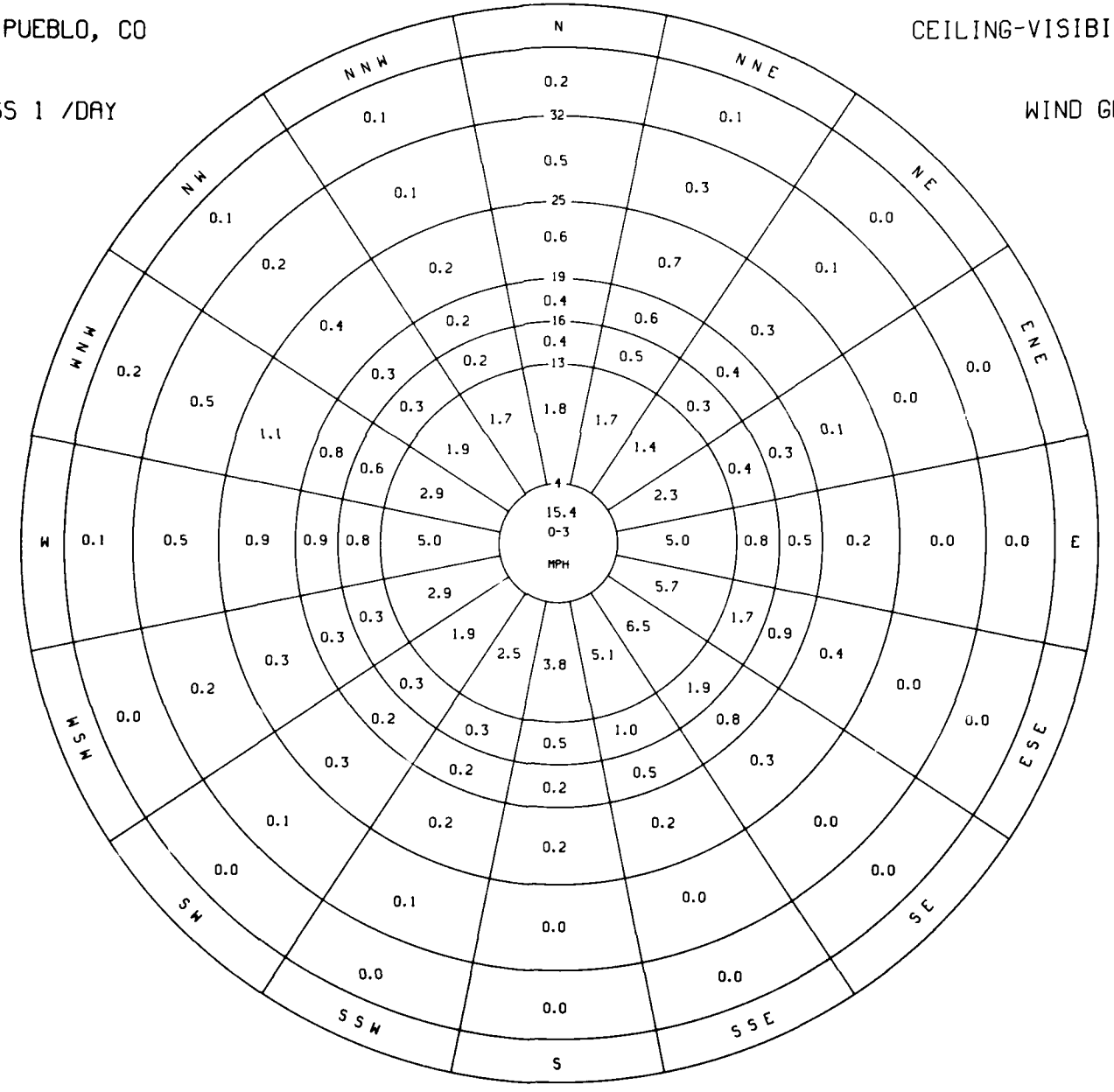


PUB PUEBLO, CO

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PREVIOUS PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 1 / DAY

STATION NUMBER: 93058

NO. OBS.: 35410

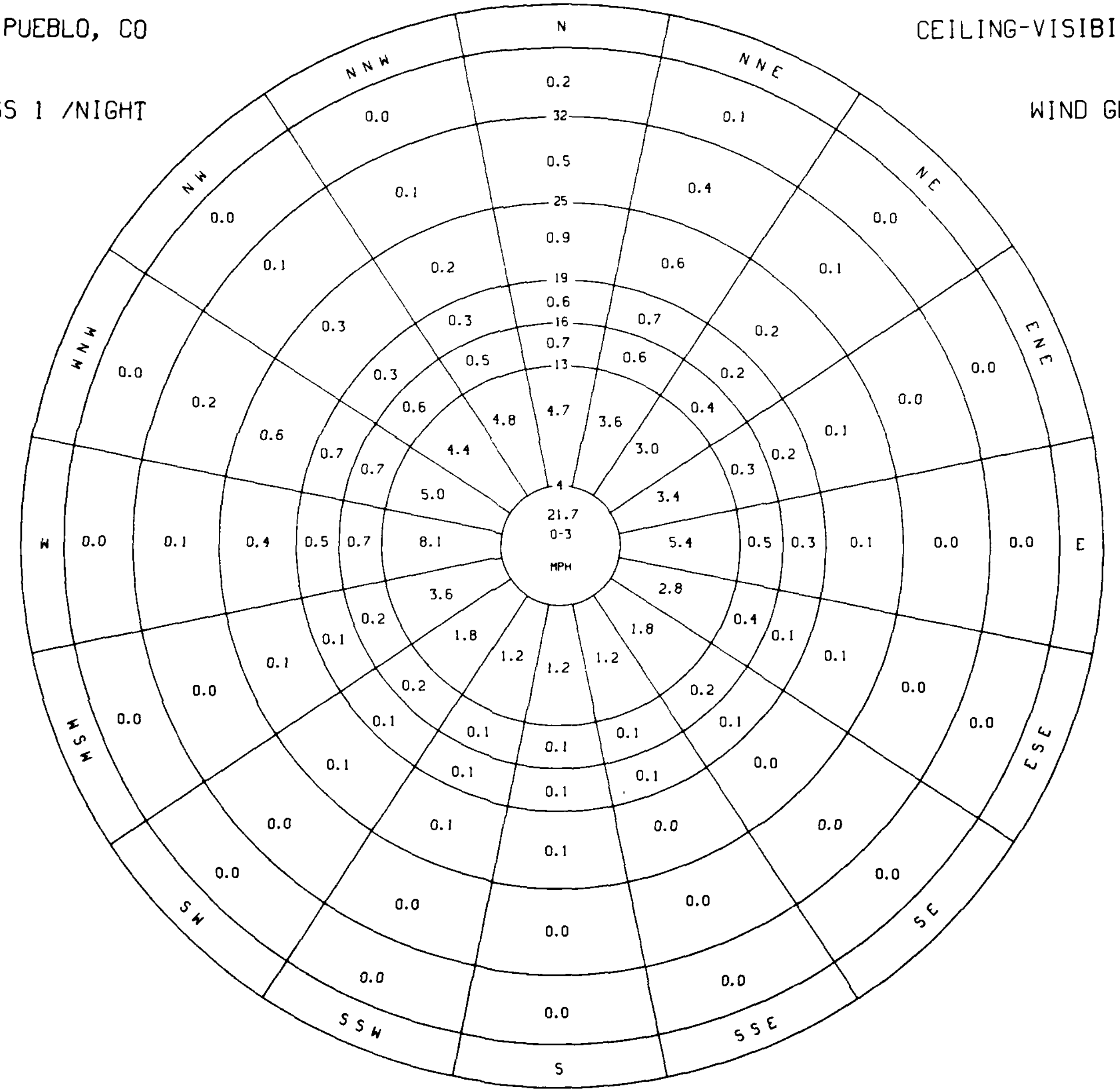
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.6	.6	1.8	1.9	.4	.4	.4	.4	.6	.7	.5	.5	.2	.2	4.5	4.7	14.1
NNE	.5	.5	1.7	1.8	.5	.5	.6	.6	.7	.7	.3	.3	.1	.1	4.4	4.7	13.7
NE	.5	.5	1.4	1.5	.3	.3	.4	.4	.3	.3	.1	.1	.0	.0	3.0	3.1	10.9
ENE	.4	.5	2.3	2.4	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	3.6	3.7	9.2
E	.8	.8	5.0	5.2	.8	.9	.5	.6	.2	.2	.0	.0	.0	.0	7.3	7.7	9.1
ESE	.6	.7	5.7	6.0	1.7	1.8	.9	.9	.4	.4	.0	.0	.0	.0	9.3	9.7	10.4
SE	.9	.9	6.5	6.8	1.9	2.0	.8	.9	.3	.3	.0	.0	.0	.0	10.5	11.0	10.0
SSE	.8	.8	5.1	5.3	1.0	1.1	.5	.5	.2	.2	.0	.0	.0	.0	7.6	7.9	9.3
S	1.1	1.2	3.8	4.0	.5	.5	.2	.2	.2	.2	.0	.0	.0	.0	5.9	6.2	8.0
SSW	.8	.8	2.5	2.6	.3	.3	.2	.2	.2	.2	.1	.1	.0	.0	4.0	4.2	8.5
SW	.8	.9	1.9	2.0	.3	.3	.2	.3	.3	.3	.1	.1	.0	.0	3.8	4.0	9.6
WSW	.8	.8	2.9	3.0	.3	.3	.3	.3	.3	.4	.2	.2	.0	.0	4.8	5.1	9.7
W	1.3	1.4	5.0	5.2	.8	.8	.9	.9	.9	.9	.5	.5	.1	.1	9.4	9.9	11.0
WNW	.7	.8	2.9	3.0	.6	.7	.8	.9	1.1	1.2	.5	.6	.2	.2	6.9	7.2	13.4
NW	.6	.6	1.9	2.0	.3	.4	.3	.3	.4	.4	.2	.2	.1	.1	3.8	4.0	11.0
NNW	.5	.5	1.7	1.8	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	2.9	3.0	10.0
CALM	3.8	4.0													3.8	4.0	
TOTAL	15.4	16.1	52.1	54.6	10.3	10.8	7.5	7.8	6.4	6.7	2.8	2.9	.9	1.0	95.4	100	10.0

PUB PUEBLO, CO

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 1 / NIGHT

STATION NUMBER: 93058

NO. OBS.: 28451

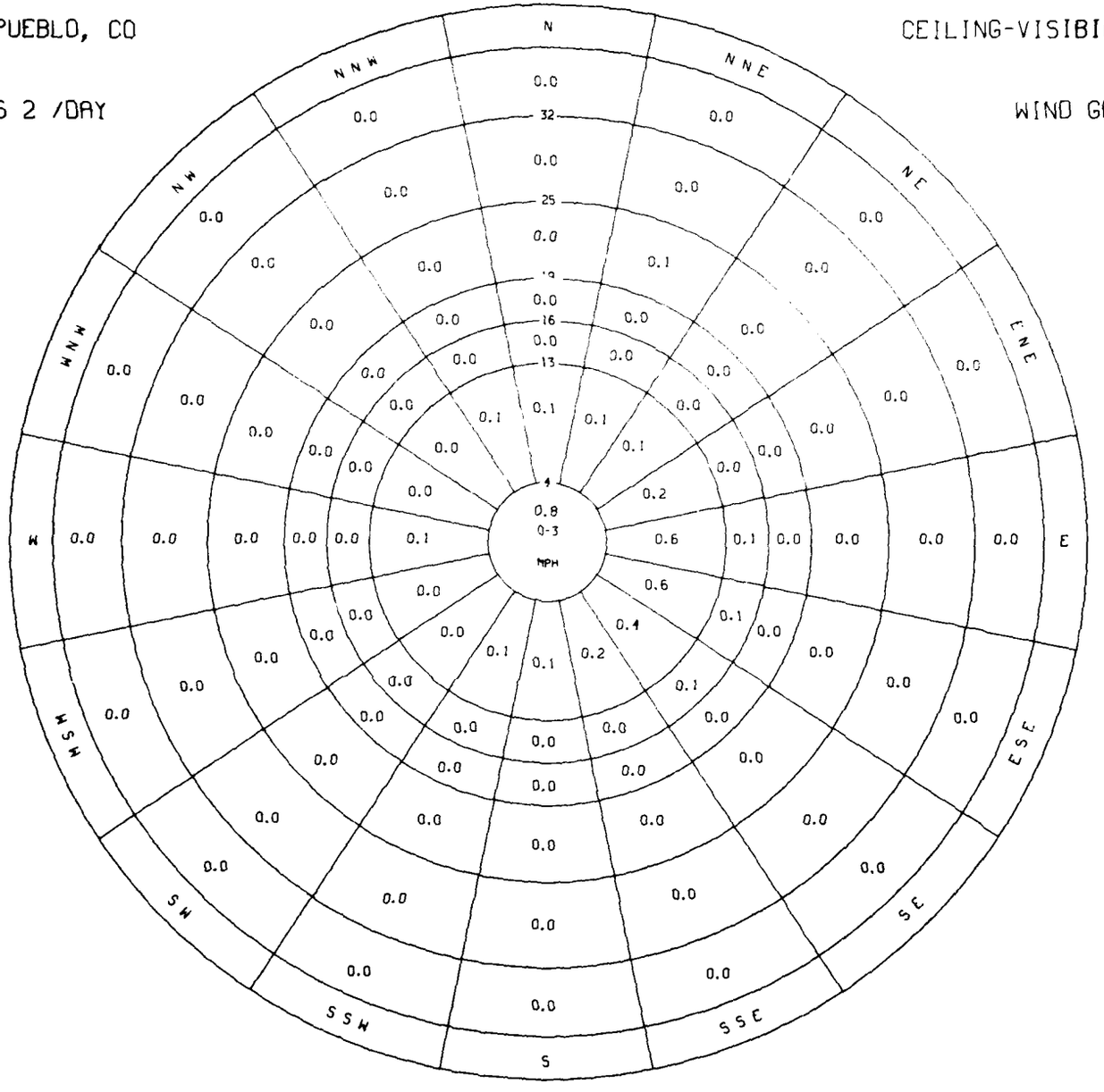
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.0	1.1	4.7	5.0	.7	.7	.6	.7	.9	1.0	.5	.5	.2	.2	8.7	9.2	11.7
NNE	.6	.7	3.6	3.8	.6	.6	.7	.8	.6	.7	.4	.4	.1	.1	6.7	7.1	11.9
NE	.7	.7	3.0	3.2	.4	.4	.2	.2	.2	.2	.1	.1	.0	.0	4.6	4.8	8.9
ENE	.8	.8	3.4	3.6	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.8	5.1	8.1
E	1.1	1.2	5.4	5.7	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	7.4	7.8	8.0
ESE	.6	.7	2.8	2.9	.4	.4	.1	.2	.1	.1	.0	.0	.0	.0	4.0	4.3	8.2
SE	.9	1.0	1.8	1.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.2	7.0
SSE	.6	.7	1.2	1.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.2	7.0
S	.8	.9	1.2	1.3	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	2.4	2.6	7.1
SSW	.7	.8	1.2	1.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	2.2	2.3	7.0
SW	1.1	1.2	1.8	1.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.4	3.6	6.8
WSW	1.2	1.3	3.6	3.8	.2	.2	.1	.1	.1	.1	.0	.1	.0	.0	5.3	5.6	7.1
W	2.5	2.7	8.1	8.6	.7	.7	.5	.5	.4	.4	.1	.1	.0	.0	12.3	13.0	7.6
WNW	1.4	1.5	5.0	5.3	.7	.7	.7	.7	.6	.6	.2	.2	.0	.0	8.5	9.0	9.5
NW	1.2	1.3	4.4	4.6	.6	.6	.3	.3	.3	.3	.1	.1	.0	.0	6.8	7.2	8.3
NNW	.9	.9	4.8	5.1	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	6.8	7.2	8.5
CALM	5.5	5.8													5.5	5.8	
TOTAL	21.7	23.0	56.0	59.2	6.4	6.8	4.6	4.9	3.8	4.0	1.6	1.7	.5	.5	94.6	100	8.1

PUB PUEBLO, CO

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 2 / DAY

STATION NUMBER: 93058

NO. OBS.: 1703

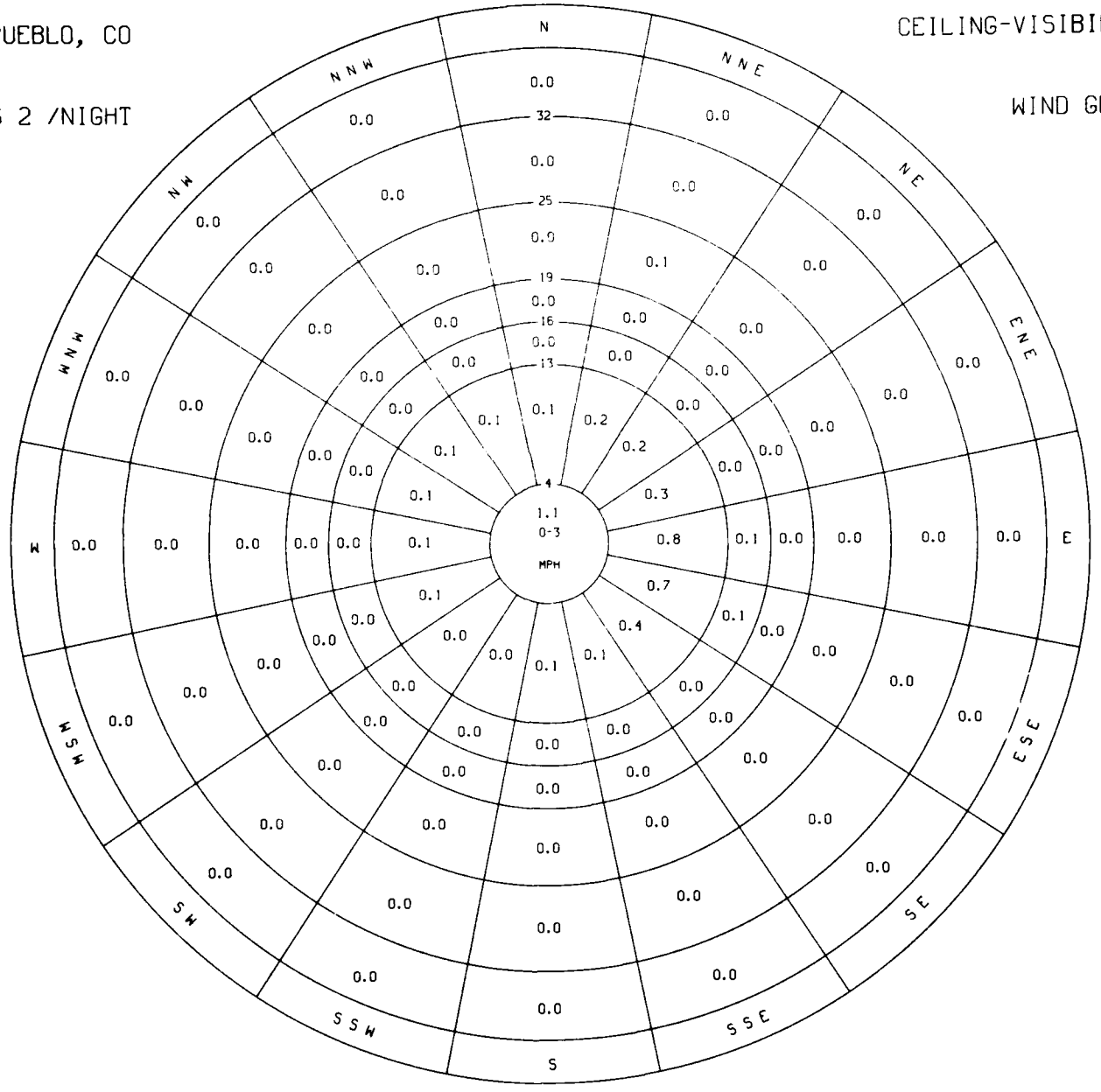
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.1	1.6	.0	.5	.0	.6	.0	.8	.0	.4	.0	.6	.2	5.0	16.7
NNE	.0	.5	.1	2.6	.0	.8	.0	1.1	.1	1.1	.0	.6	.0	.2	.3	6.8	14.3
NE	.0	.6	.1	2.5	.0	.3	.0	.4	.0	.3	.0	.1	.0	.0	.2	4.1	9.8
ENE	.0	.8	.2	5.0	.0	.9	.0	.5	.0	.1	.0	.0	.0	.0	.3	7.3	9.1
E	.1	1.8	.6	12.4	.1	2.5	.0	.5	.0	.3	.0	.0	.0	.0	.8	17.6	8.8
ESE	.1	1.4	.6	12.5	.1	3.1	.0	1.1	.0	.5	.0	.1	.0	.0	.9	18.6	9.9
SE	.1	1.5	.4	8.9	.1	1.9	.0	.3	.0	.1	.0	.0	.0	.0	.6	12.7	8.8
SSE	.1	1.4	.2	4.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.5	6.8
S	.1	1.2	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.3	5.8
SSW	.0	.7	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	2.1	6.3
SW	.0	.5	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	1.4	6.6
WSW	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9	6.1
W	.1	1.2	.1	2.1	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.2	3.5	6.4
WNW	.0	.8	.0	.8	.0	.0	.0	.1	.0	.1	.0	.0	.0	.3	.1	2.0	11.2
NW	.0	.4	.0	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.1	.1	1.7	8.1
NNW	.0	.9	.1	1.1	.0	.0	.0	.1	.0	.2	.0	.1	.0	.2	.1	2.5	9.8
CALM	.2	3.9													.2	3.9	
TOTAL	.8	18.5	2.7	59.8	.5	10.5	.2	4.7	.2	3.8	.1	1.4	.1	1.4	4.6	100	9.1

PUB PUEBLO, CO

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 2 / NIGHT

STATION NUMBER: 93058

NO. OBS.: 1624

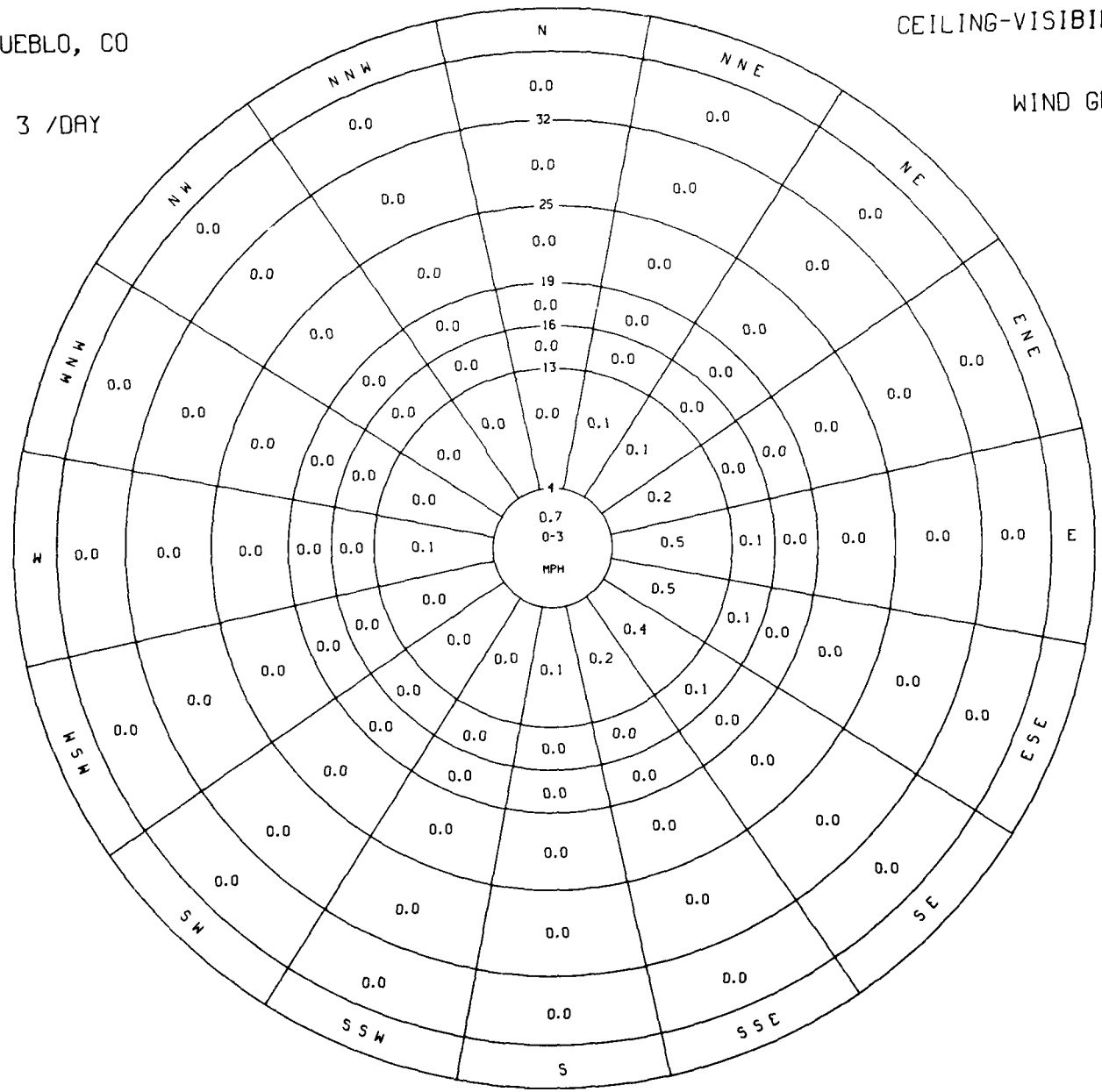
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.1	2.0	.0	.4	.0	.8	.0	.6	.0	.5	.0	.4	.3	5.7	13.9
NNE	.0	.4	.2	3.7	.0	.9	.0	.9	.1	1.0	.0	.7	.0	.2	.4	7.8	13.5
NE	.0	.7	.2	3.0	.0	.5	.0	.2	.0	.3	.0	.1	.0	.0	.3	4.7	9.3
ENE	.0	.6	.3	5.4	.0	.7	.0	.4	.0	.1	.0	.0	.0	.0	.4	7.3	8.5
E	.1	2.0	.8	14.7	.1	1.7	.0	.8	.0	.2	.0	.0	.0	.0	1.1	19.5	8.5
ESE	.1	1.2	.7	12.7	.1	1.9	.0	.7	.0	.1	.0	.0	.0	.0	.9	16.6	9.0
SE	.1	2.3	.4	7.3	.0	.6	.0	.3	.0	.1	.0	.0	.0	.0	.6	10.6	7.3
SSE	.1	1.4	.1	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	4.2	6.0
S	.0	.7	.1	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	5.6
SSW	.0	.5	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.3	5.1
SW	.0	.9	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	4.5
WSW	.0	.7	.1	1.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.8	5.4
W	.1	1.0	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	4.8
WNW	.0	.5	.1	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.3	6.5
NW	.0	.9	.1	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.5	5.3
NNW	.0	.2	.1	1.6	.0	.1	.0	.2	.0	.3	.0	.1	.0	.0	.1	2.6	10.3
CALM	.3	6.2													.3	6.2	
TOTAL	1.1	21.2	3.3	62.0	.4	7.3	.2	4.6	.2	2.8	.1	1.4	.0	.6	5.4	100	8.1

PUB PUEBLO, CO

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 3 / DAY

STATION NUMBER: 93058

NO. OBS.: 1408

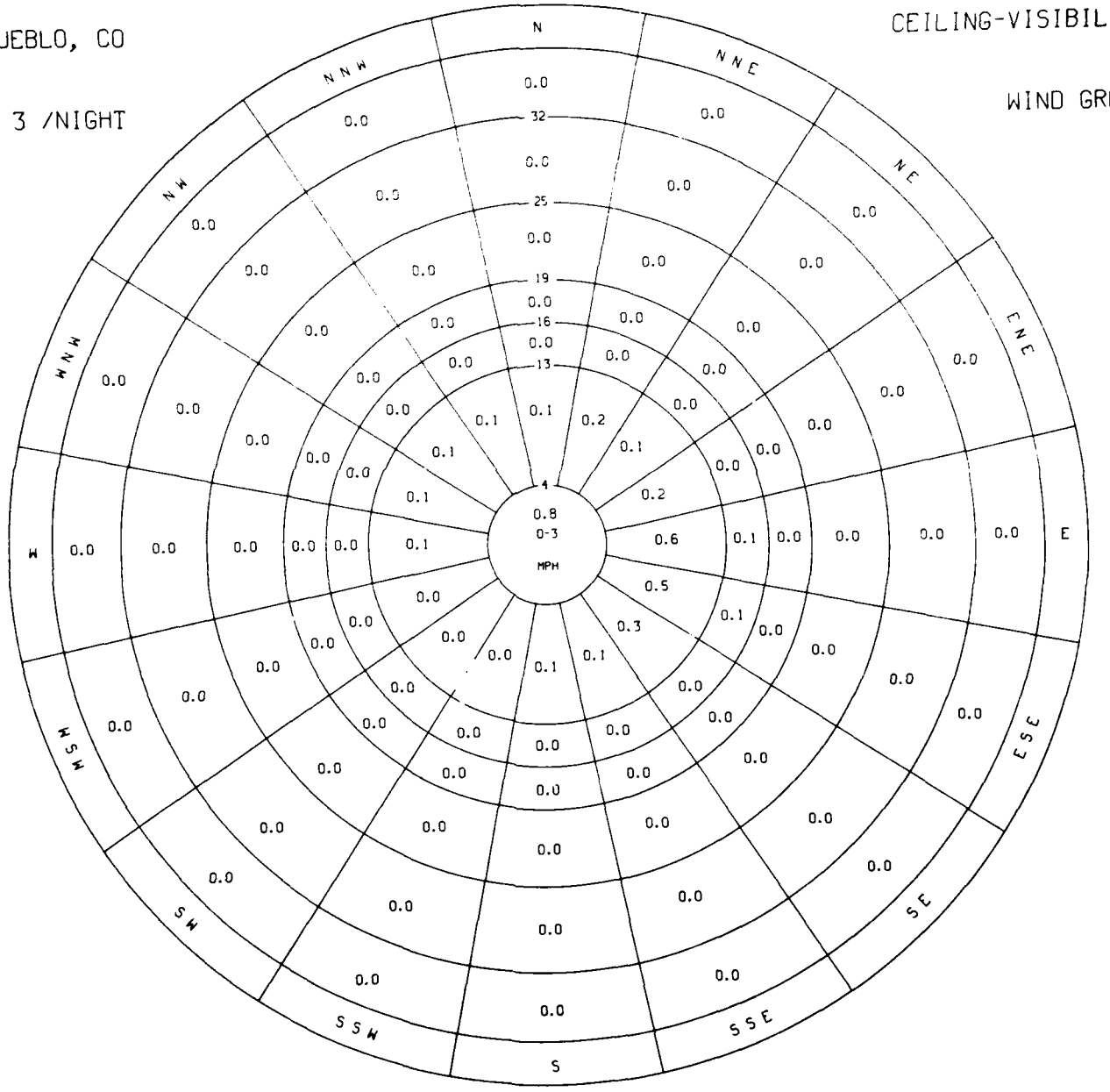
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.0	1.1	.0	.4	.0	.6	.0	.6	.0	.4	.0	.4	.2	4.0	16.4
NNE	.0	.5	.1	2.7	.0	.6	.0	1.0	.0	1.1	.0	.6	.0	.0	.2	6.5	13.6
NE	.0	.6	.1	2.6	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.2	4.0	9.0
ENE	.0	.9	.2	5.0	.0	.8	.0	.5	.0	.1	.0	.0	.0	.0	.3	7.2	8.8
E	.1	1.8	.5	12.4	.1	2.5	.0	.5	.0	.3	.0	.0	.0	.0	.7	17.5	8.7
ESE	.1	1.3	.5	13.4	.1	3.2	.0	1.1	.0	.6	.0	.1	.0	.0	.7	19.7	9.9
SE	.1	1.7	.4	9.8	.1	2.2	.0	.3	.0	.1	.0	.0	.0	.0	.5	14.1	8.8
SSE	.1	1.5	.2	5.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.2	6.9
S	.0	1.0	.1	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	6.0
SSW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	1.9	5.7
SW	.0	.6	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	1.4	6.7
WSW	.0	.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.0	6.6
W	.0	1.2	.1	1.7	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.1	3.2	6.6
WNW	.0	.6	.0	.6	.0	.0	.0	.1	.0	.1	.0	.0	.0	.2	.1	1.5	11.1
NW	.0	.5	.0	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.5	7.1
NNW	.0	.9	.0	1.1	.0	.0	.0	.1	.0	.2	.0	.1	.0	.1	.1	2.5	9.4
CALM	.1	3.3													.1	3.3	
TOTAL	.7	17.8	2.3	61.3	.4	10.	.2	4.5	.1	3.6	.1	1.3	.0	.8	3.8	100	9.0

PUB PUEBLO, CO

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 3 / NIGHT

STATION NUMBER: 93058

NO. OBS.: 1248

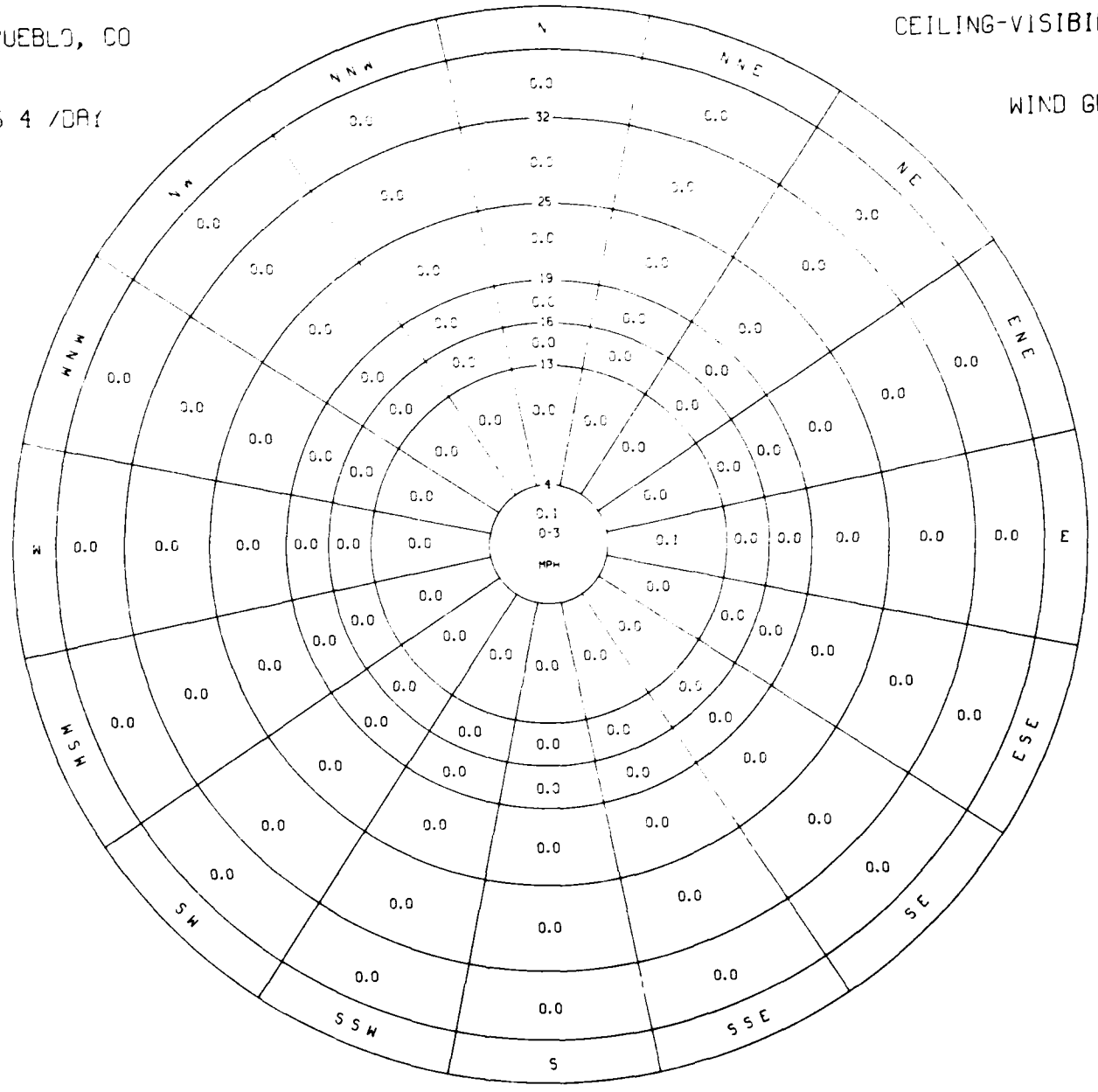
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.1	2.2	.0	.5	.0	.6	.0	.7	.0	.2	.0	.3	.2	5.3	13.0
NNE	.0	.5	.2	4.1	.0	.9	.0	1.0	.0	1.0	.0	.6	.0	.1	.3	8.1	12.7
NE	.0	.8	.1	3.1	.0	.4	.0	.3	.0	.2	.0	.1	.0	.0	.2	5.0	9.1
ENE	.0	.6	.2	5.8	.0	.8	.0	.4	.0	.1	.0	.0	.0	.0	.3	7.7	8.3
E	.1	1.9	.6	15.6	.1	1.8	.0	.7	.0	.0	.0	.0	.0	.0	.8	20.1	8.6
ESE	.0	1.1	.5	13.2	.1	2.2	.0	.9	.0	.1	.0	.0	.0	.0	.7	17.5	9.1
SE	.1	2.6	.3	7.1	.0	.6	.0	.3	.0	.1	.0	.0	.0	.0	.4	10.7	7.4
SSE	.1	1.4	.1	2.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	4.5	6.3
S	.0	.6	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	5.8
SSW	.0	.5	.0	.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.1	5.1
SW	.0	.9	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	4.6
WSW	.0	.6	.0	.9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.5	5.5
W	.0	1.0	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	4.5
WNW	.0	.5	.1	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.4	6.8
NW	.0	1.0	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.4	5.3
NNW	.0	.2	.1	1.3	.0	.2	.0	.2	.0	.3	.0	.2	.0	.0	.1	2.3	11.7
CALM	.2	4.9													.2	4.9	
TOTAL	.8	19.6	2.6	63.5	.3	8.0	.2	4.8	.1	2.6	.0	1.0	.0	.4	4.1	100	8.2

PUB PUEBLO, CO

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 4 / DAY

STATION NUMBER: 93058

NO. OBS.: 202

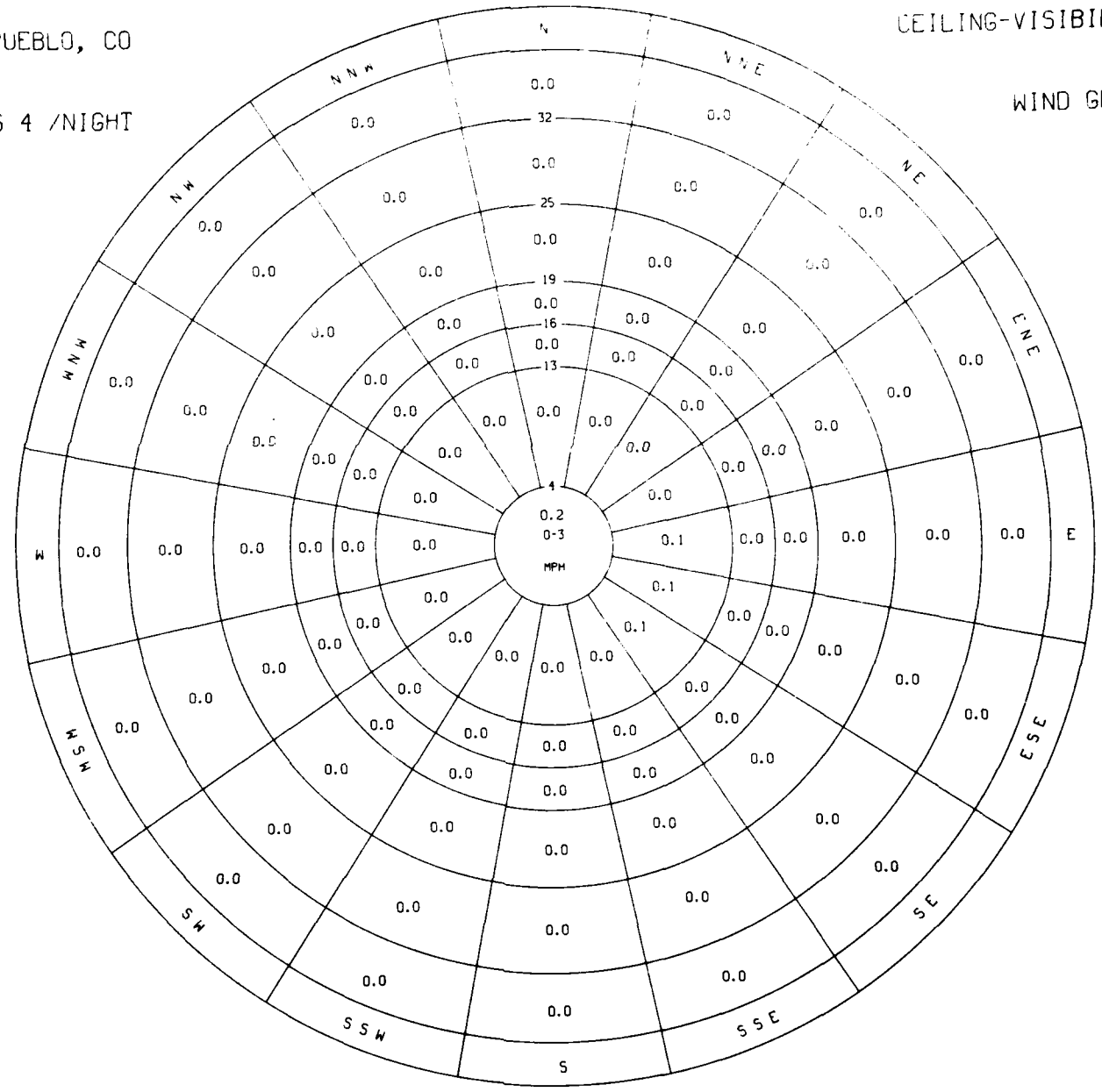
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.0	2.5	.0	1.0	.0	.5	.0	2.5	.0	.0	.0	1.5	.0	8.9	17.6
NNE	.0	.5	.0	3.0	.0	1.0	.0	2.0	.0	2.0	.0	.0	.0	.5	.0	8.9	14.8
NE	.0	1.0	.0	2.0	.0	.5	.0	1.0	.0	1.0	.0	.5	.0	.0	.0	5.9	13.3
ENE	.0	.0	.0	4.5	.0	2.5	.0	1.0	.0	.5	.0	.0	.0	.0	.0	8.4	12.6
E	.0	1.0	.1	14.9	.0	3.0	.0	1.0	.0	.0	.0	.0	.0	.0	.1	19.8	9.7
ESE	.0	1.0	.0	8.4	.0	3.5	.0	1.5	.0	.0	.0	.0	.0	.0	.1	14.4	10.5
SE	.0	.5	.0	5.4	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	7.4	9.5
SSE	.0	1.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.6
S	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.6
SSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	2.0	13.7
SW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	9.0
WSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
W	.0	1.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	5.6
WNW	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.5	16.0
NW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	3.0	12.2
NNW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.0	14.0
CALM	.0	4.5													.0	4.5	
TOTAL	.1	15.8	.3	53.5	.1	12.4	.0	7.4	.0	5.9	.0	1.0	.0	4.0	.5	100	10.9

PUB PUEBLO, CO

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 4 / NIGHT

STATION NUMBER: 93058

NO. OBS.: 227

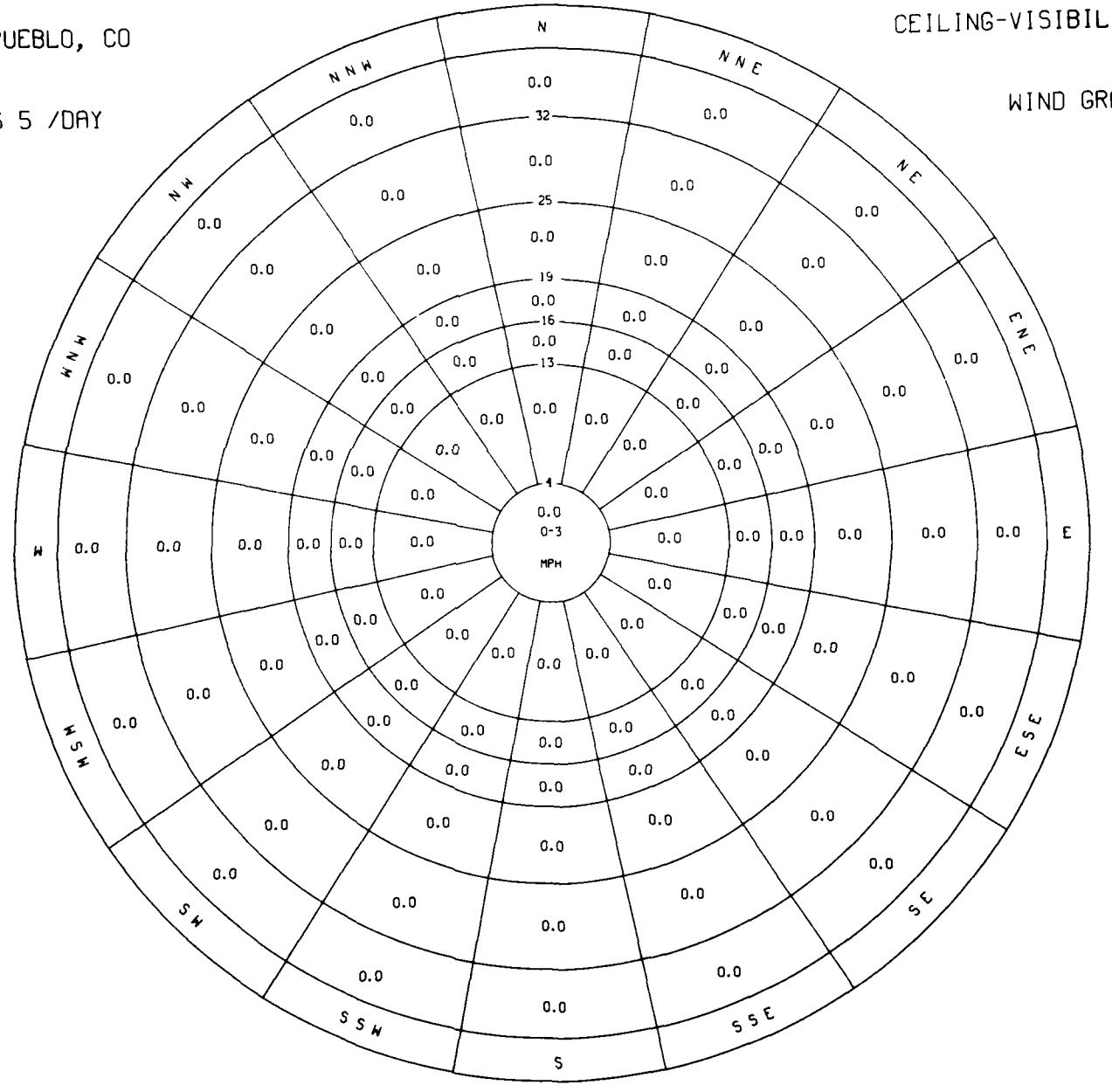
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.3	.0	.4	.0	.0	.0	2.2	.0	.4	.0	.4	.0	.4	.0	5.3	15.3
NNE	.0	.4	.0	2.6	.0	.9	.0	1.3	.0	1.8	.0	1.8	.0	.4	.1	9.3	17.6
NE	.0	.4	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	8.3
ENE	.0	.4	.0	3.5	.0	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	5.3	10.3
E	.0	2.6	.1	12.8	.0	1.3	.0	1.3	.0	1.3	.0	.0	.0	.0	.1	19.4	8.8
ESE	.0	1.3	.1	13.2	.0	1.8	.0	.0	.0	.4	.0	.0	.0	.0	.1	16.7	9.0
SE	.0	.9	.1	9.7	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.1	11.9	8.2
SSE	.0	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.4
S	.0	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.8
SSW	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.2
SW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
WSW	.0	.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.2
W	.0	1.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.4
WNW	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.7
NW	.0	.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
NNW	.0	.9	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.8
CALM	.1	7.0													.1	7.0	
TOTAL	.2	21.1	.4	59.5	.0	6.2	.0	6.2	.0	4.0	.0	2.2	.0	.9	.8	100	8.6

PUB PUEBLO, CO

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 5 / DAY

STATION NUMBER: 93058

NO. OBS.: 50

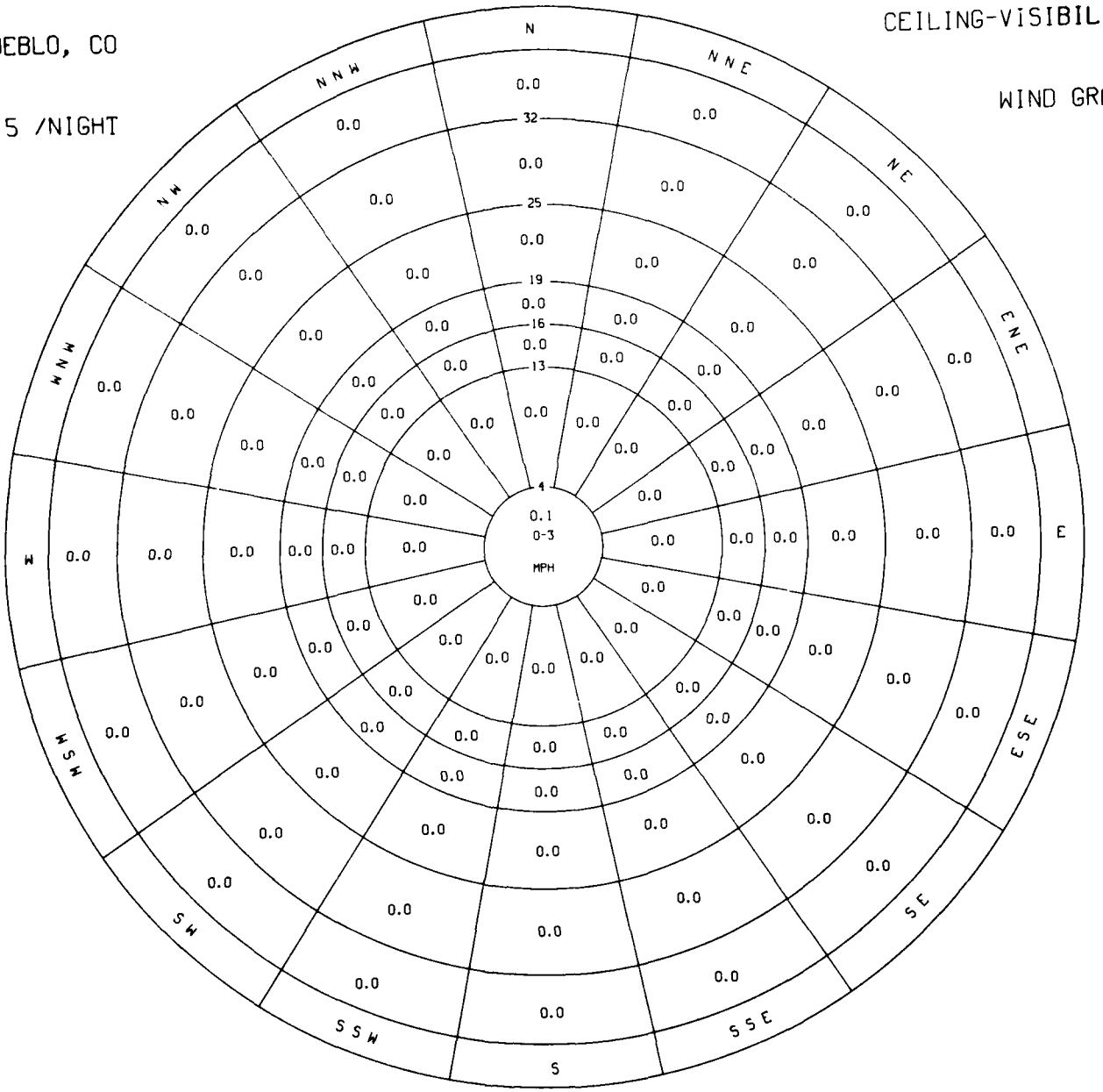
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.0	.0	8.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	12.0	7.8
NNE	.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	4.0	.0	8.0	26.2
NE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	12.0
ENE	.0	.0	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	7.0
E	.0	.0	.0	10.0	.0	2.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	14.0	10.0
ESE	.0	2.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	6.8
SE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.0
SSE	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	7.0
S	.0	4.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	4.3
SSW	.0	4.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	3.7
SW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.0
WNW	.0	4.0	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	5.8
NW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0
NNW	.0	4.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	8.0	14.0
CALM	.0	4.0													.0	4.0	
TOTAL	.0	26.0	.1	58.0	.0	6.0	.0	2.0	.0	2.0	.0	.0	.0	6.0	.1	100	8.8

PUB PUEBLO, CO

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 5 / NIGHT

STATION NUMBER: 93058

NO. OBS.: 83

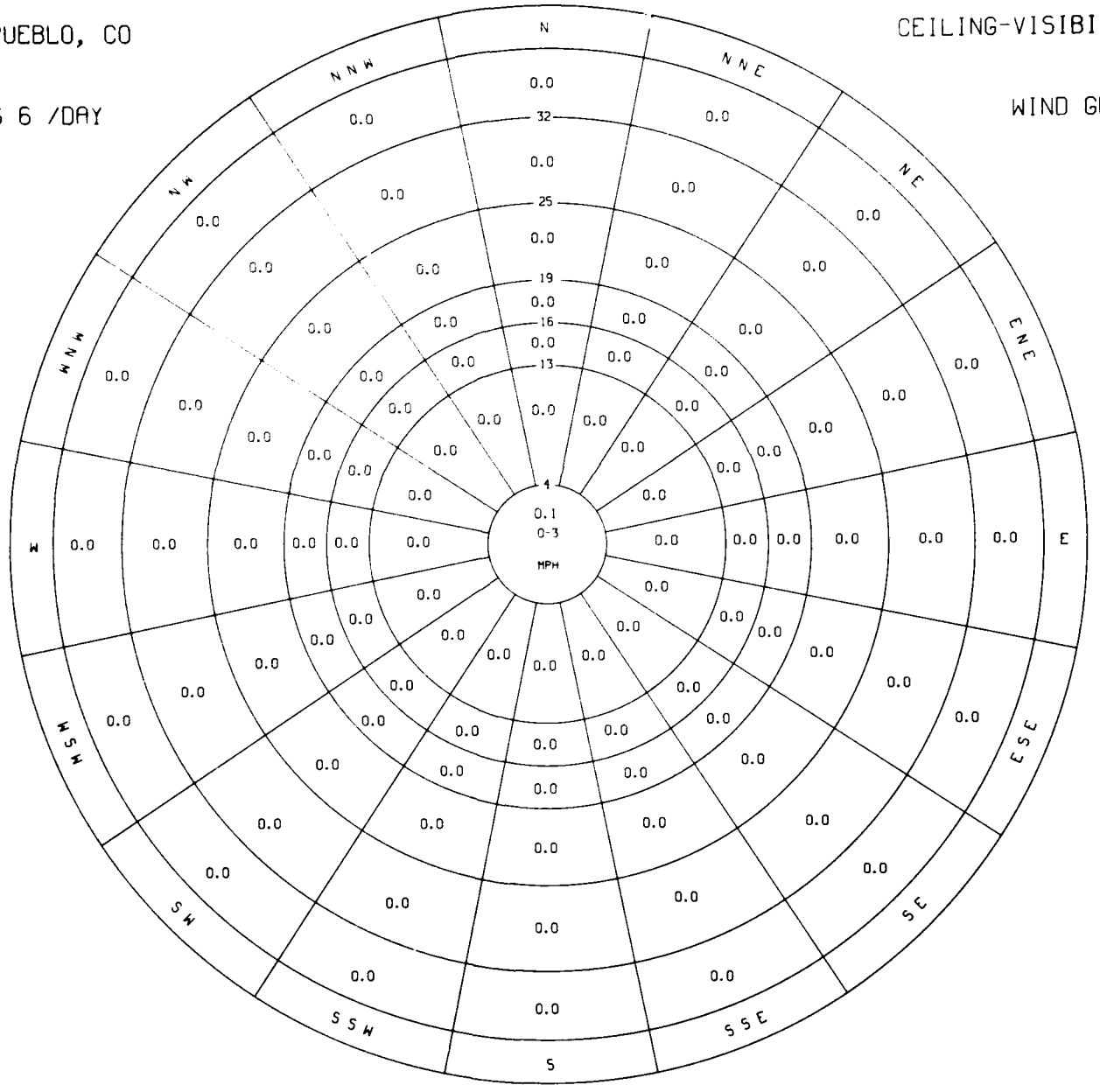
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	4.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	4.8	.0	2.4	.0	14.5	18.7
NNE	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	1.2	.0	3.6	19.3
NE	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	1.2	.0	.0	.0	.0	.0	3.6	13.0
ENE	.0	.0	.0	7.2	.0	1.2	.0	.0	.0	1.2	.0	.0	.0	.0	.0	9.6	9.6
E	.0	2.4	.0	9.6	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	13.3	7.8
ESE	.0	.0	.0	10.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	9.4
SE	.0	4.8	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	3.7
SSE	.0	1.2	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.7
S	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.5
SSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.0
SW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.0
WSW	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.0
W	.0	1.2	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	5.7
WNW	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.7
NW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.5
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	9.6													.0	9.6	
TOTAL	.1	28.9	.2	55.4	.0	3.6	.0	1.2	.0	2.4	.0	4.8	.0	3.6	.3	100	8.6

PUB PUEBLO, CO

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 6 / DAY

STATION NUMBER: 93058

NO. OBS.: 43

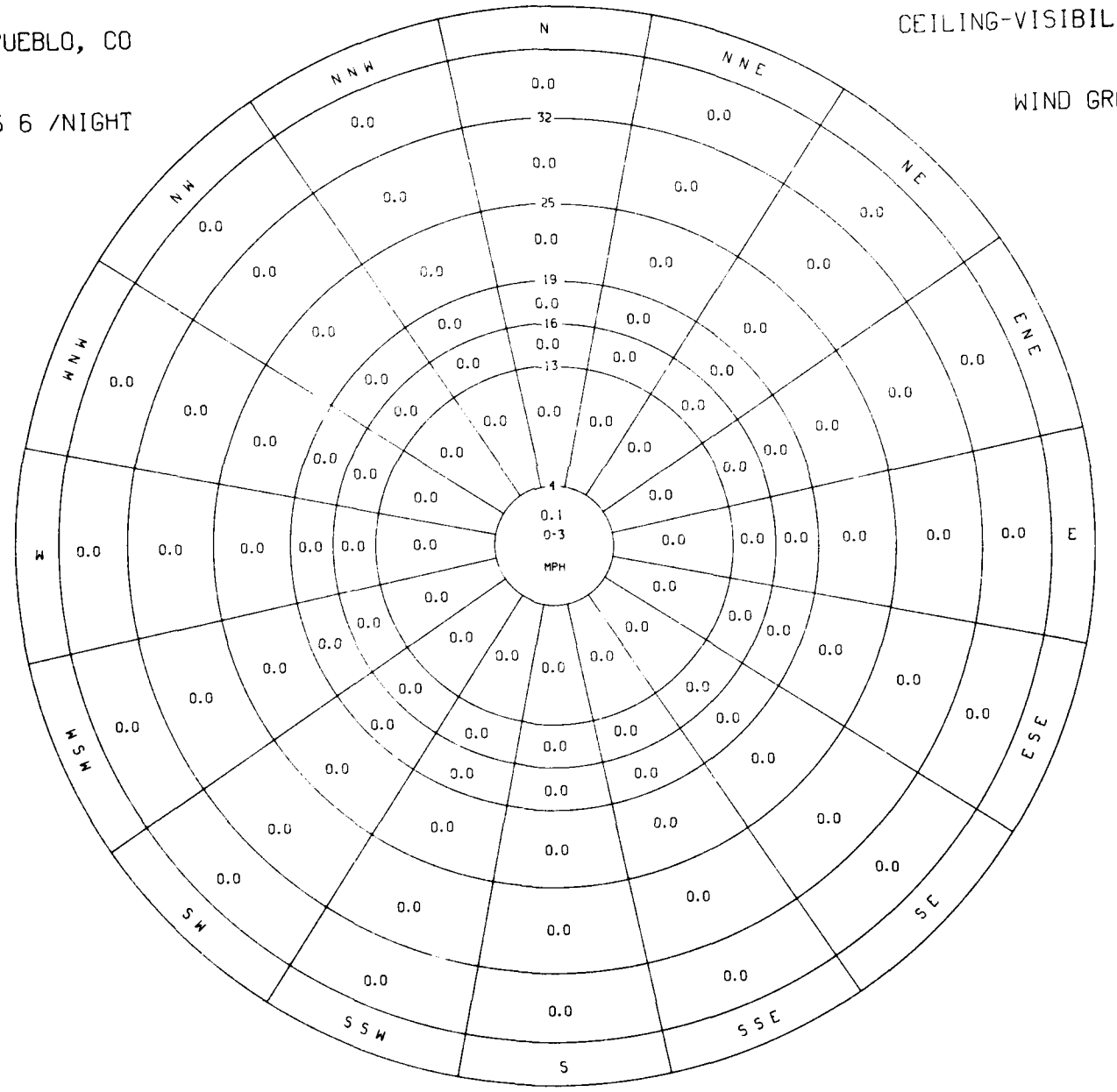
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	2.3	.0	4.7	.0	11.6	27.6
NNE	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	4.7	16.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.3
E	.0	7.0	.0	7.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.3	6.7
ESE	.0	2.3	.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	5.0
SE	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	8.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.0
SSW	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	4.5
SW	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	6.3
WNW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.0
NW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	8.0
NNW	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.0
CALM	.0	20.9													.0	20.9	
TOTAL	.1	44.2	.1	44.2	.0	2.3	.0	.0	.0	.0	.0	4.7	.0	4.7	.1	100	7.5

PUB PUEBLO, CO

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PUB PUEBLO, CO

PERIOD: 1955-1977

CLASS 6 / NIGHT

STATION NUMBER: 93058

NO. OBS.: 66

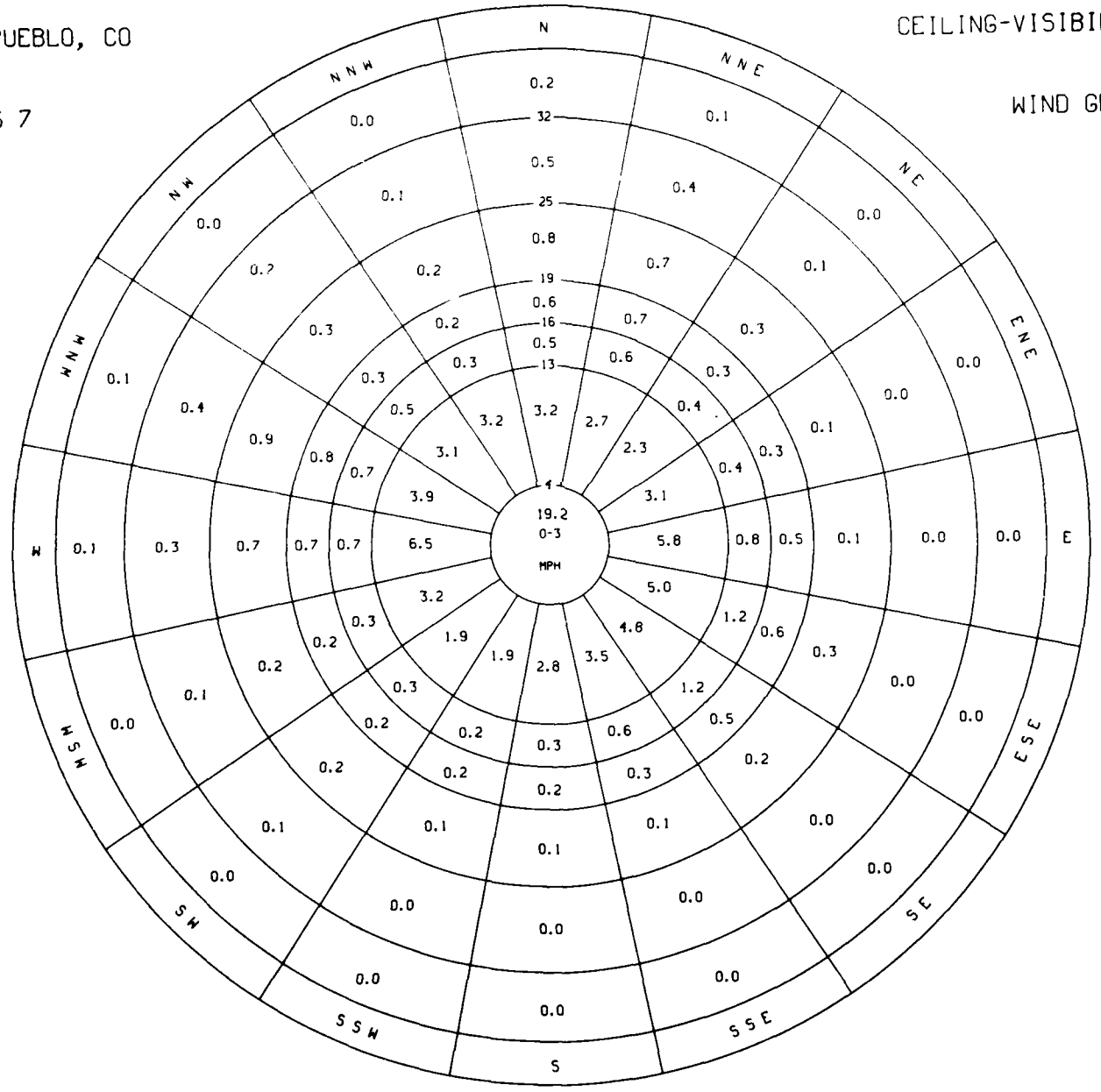
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0
NNE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.5
NE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	4.5	11.3
ENE	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.0
E	.0	1.5	.0	10.6	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.2	7.4
ESE	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.0
SE	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.3
SSE	.0	1.5	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.5
SW	.0	4.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6	3.8
WSW	.0	1.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	4.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.0
NW	.0	1.5	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.5
NNW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	6.1	10.0
CALM	.1	24.2													.1	24.2	
TOTAL	.1	42.4	.1	51.5	.0	3.0	.0	.0	.0	3.0	.0	.0	.0	.0	.2	100	4.8

PUB PUEBLO, CO

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

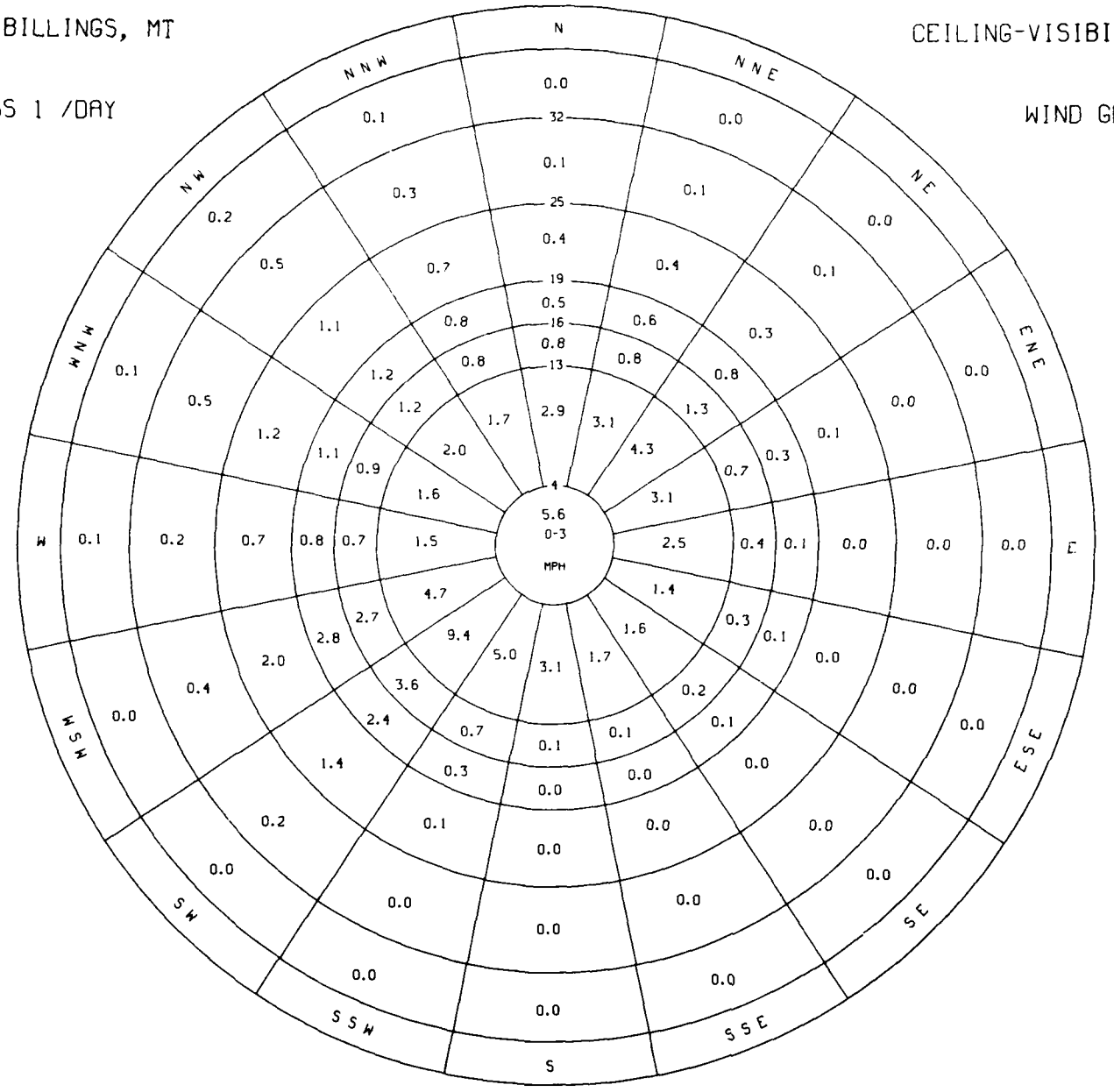


BIL BILLINGS, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24033

NO. OBS.: 49575

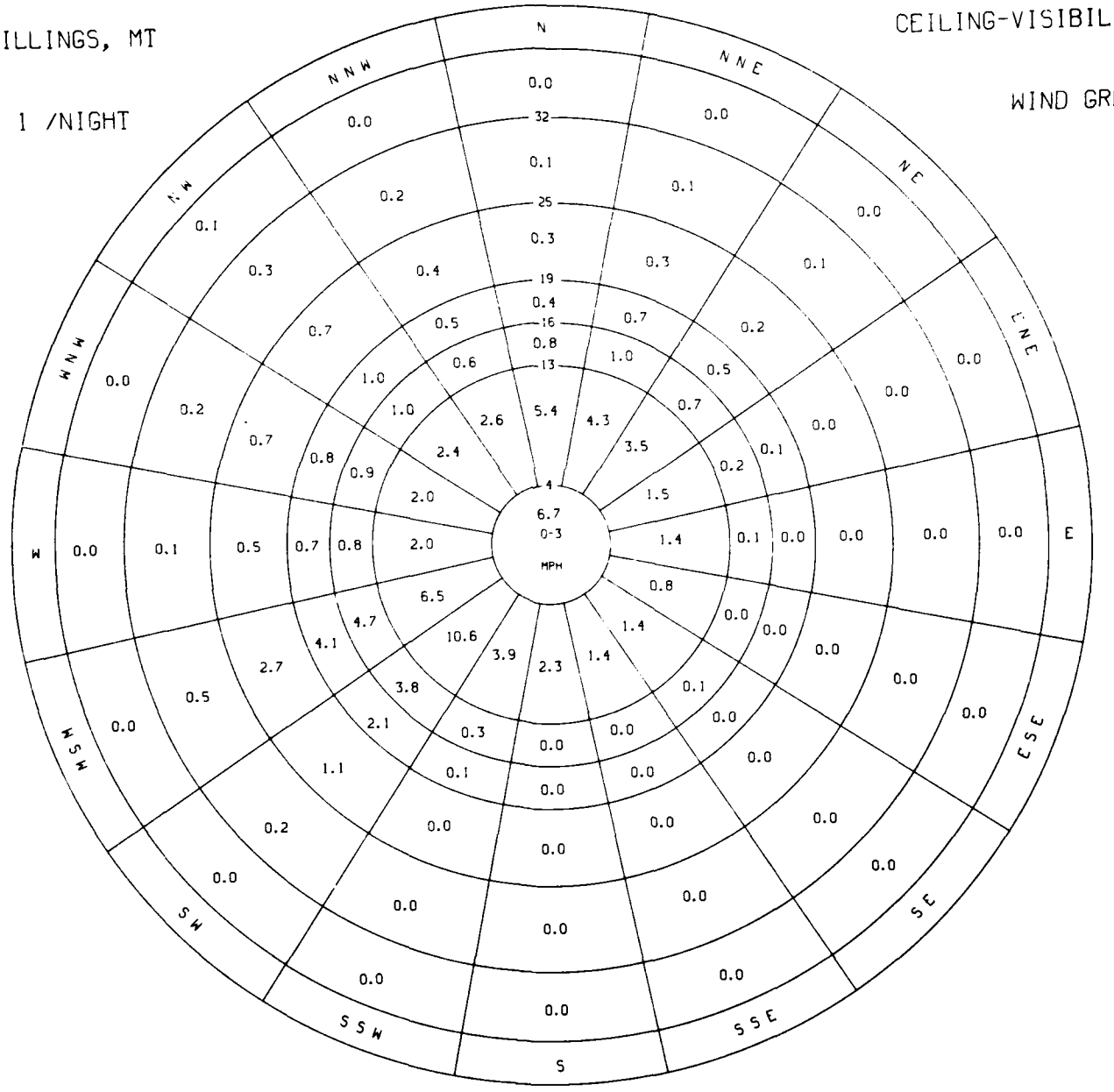
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	2.9	3.1	.8	.8	.5	.6	.4	.4	.1	.1	.0	.0	5.0	5.3	11.2
NNE	.3	.3	3.1	3.3	.8	.8	.6	.6	.4	.4	.1	.1	.0	.0	5.2	5.6	11.3
NE	.3	.3	4.3	4.6	1.3	1.4	.8	.9	.3	.4	.1	.1	.0	.0	7.1	7.6	11.0
ENE	.2	.2	3.1	3.3	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	4.5	4.8	9.9
E	.3	.3	2.5	2.6	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.3	3.6	9.0
ESE	.2	.2	1.4	1.5	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.0	2.1	9.3
SE	.2	.3	1.6	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.4	8.3
SSE	.3	.4	1.7	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.4	7.2
S	.4	.5	3.1	3.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	3.7	3.9	7.3
SSW	.4	.5	5.0	5.3	.7	.7	.3	.3	.1	.1	.0	.0	.0	.0	6.5	6.9	9.1
SW	.5	.5	9.4	10.0	3.6	3.9	2.4	2.6	1.4	1.5	.2	.2	.0	.0	17.5	18.7	12.1
WSW	.2	.2	4.7	5.0	2.7	2.9	2.8	2.9	2.0	2.2	.4	.4	.0	.0	12.8	13.6	14.3
W	.1	.1	1.5	1.6	.7	.7	.8	.9	.7	.8	.2	.3	.1	.1	4.2	4.5	14.7
WNW	.1	.1	1.6	1.7	.9	1.0	1.1	1.2	1.2	1.2	.5	.5	.1	.1	5.4	5.8	16.3
NW	.1	.1	2.0	2.1	1.2	1.2	1.2	1.3	1.1	1.2	.5	.6	.2	.2	6.3	6.7	15.8
NNW	.1	.1	1.7	1.8	.8	.8	.8	.9	.7	.7	.3	.3	.1	.1	4.5	4.8	14.7
CAL	1.5	1.6													1.5	1.6	
TOTAL	5.6	6.0	49.4	52.7	15.3	16.3	12.0	12.8	8.5	9.0	2.4	2.5	.6	.7	93.8	100	11.9

BIL BILLINGS, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24033

NO. OBS.: 35318

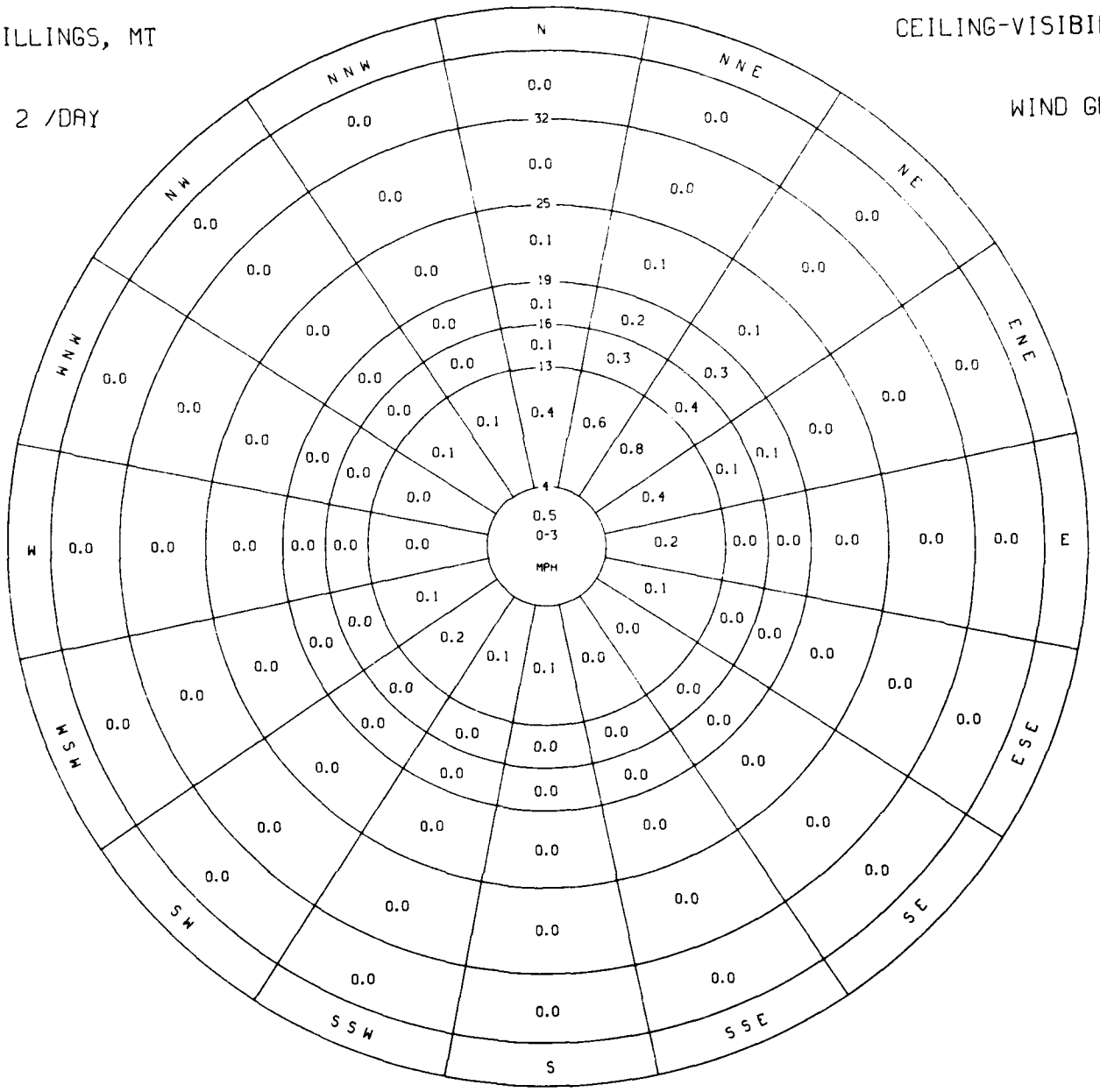
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.5	5.4	5.7	.8	.9	.4	.5	.3	.3	.1	.1	.0	.0	7.4	7.9	9.4
NNE	.4	.4	4.3	4.5	1.0	1.1	.7	.7	.3	.3	.1	.1	.0	.0	6.7	7.1	10.5
NE	.3	.4	3.5	3.7	.7	.8	.5	.5	.2	.2	.1	.1	.0	.0	5.3	5.6	10.1
ENE	.2	.2	1.5	1.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.1	8.5
E	.2	.2	1.4	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.8	7.4
ESE	.1	.1	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	7.8
SE	.3	.3	1.4	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	7.1
SSE	.3	.3	1.4	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.8	6.7
S	.4	.5	2.3	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.0	6.5
SSW	.5	.6	3.9	4.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.8	5.2	8.1
SW	.5	.6	10.6	11.3	3.8	4.0	2.1	2.2	1.1	1.2	.2	.2	.0	.0	18.3	19.5	11.6
WSW	.2	.2	6.5	6.9	4.7	5.0	4.1	4.4	2.7	2.9	.5	.5	.0	.0	18.7	19.9	14.3
W	.2	.2	2.0	2.1	.8	.9	.7	.7	.5	.6	.1	.2	.0	.0	4.3	4.6	13.1
WNW	.1	.1	2.0	2.2	.9	1.0	.8	.9	.7	.8	.2	.2	.0	.0	4.9	5.2	13.9
NW	.2	.2	2.4	2.5	1.0	1.1	1.0	1.0	.7	.7	.3	.3	.1	.1	5.6	6.0	13.6
NNW	.2	.2	2.6	2.8	.6	.7	.5	.6	.4	.5	.2	.2	.0	.0	4.6	4.9	11.7
CALM	2.1	2.2													2.1	2.2	
TOTAL	6.7	7.1	51.9	55.4	15.2	16.2	11.0	11.8	7.1	7.5	1.7	1.8	.2	.2	93.7	100	11.2

BIL BILLINGS, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 24033

NO. OBS.: 3296

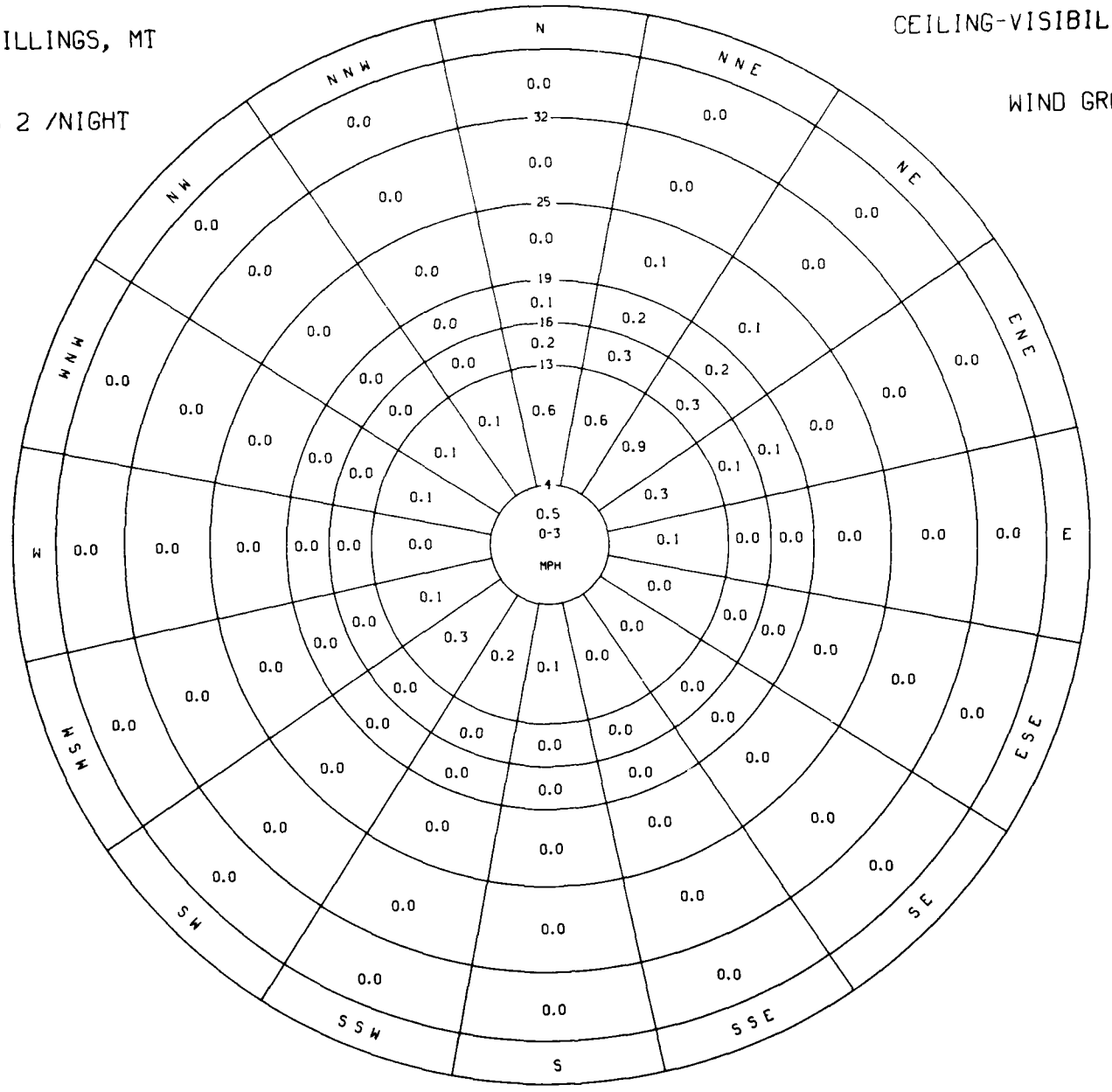
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.4	6.3	.1	1.8	.1	1.9	.1	1.2	.0	.3	.0	.0	.7	12.0	12.0
NNE	.0	.5	.6	9.1	.3	4.5	.2	3.5	.1	2.4	.0	.7	.0	.1	1.3	20.8	13.4
NE	.0	.5	.8	13.6	.4	6.4	.3	4.2	.1	2.3	.0	.6	.0	.0	1.7	27.6	12.6
ENE	.0	.4	.4	6.3	.1	1.9	.1	.9	.0	.2	.0	.1	.0	.0	.6	9.8	10.8
E	.0	.3	.2	2.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.5	8.1
ESE	.0	.1	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	7.7
SE	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	5.4
SSE	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.3
S	.0	.2	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	6.0
SSW	.0	.4	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	6.8
SW	.0	.5	.2	3.4	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	4.6	8.5
WSW	.0	.2	.1	1.5	.0	.2	.0	.2	.0	.2	.0	.1	.0	.1	.1	2.4	10.9
W	.0	.2	.0	.4	.0	.0	.0	.2	.0	.1	.0	.1	.0	.0	.1	.9	11.7
WNW	.0	.1	.0	.7	.0	.2	.0	.1	.0	.3	.0	.1	.0	.0	.1	1.5	12.7
NW	.0	.2	.1	1.5	.0	.4	.0	.5	.0	.7	.0	.5	.0	.3	.3	4.1	16.5
NNW	.0	.3	.1	1.7	.0	.5	.0	.6	.0	.6	.0	.3	.0	.1	.3	4.2	13.8
CALM	.2	2.4													.2	2.4	
TOTAL	.5	7.3	3.3	52.2	1.0	16.8	.8	12.3	.5	8.1	.2	2.7	.0	.6	6.2	100	11.6

BIL BILLINGS, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24033

NO. OBS.: 2358

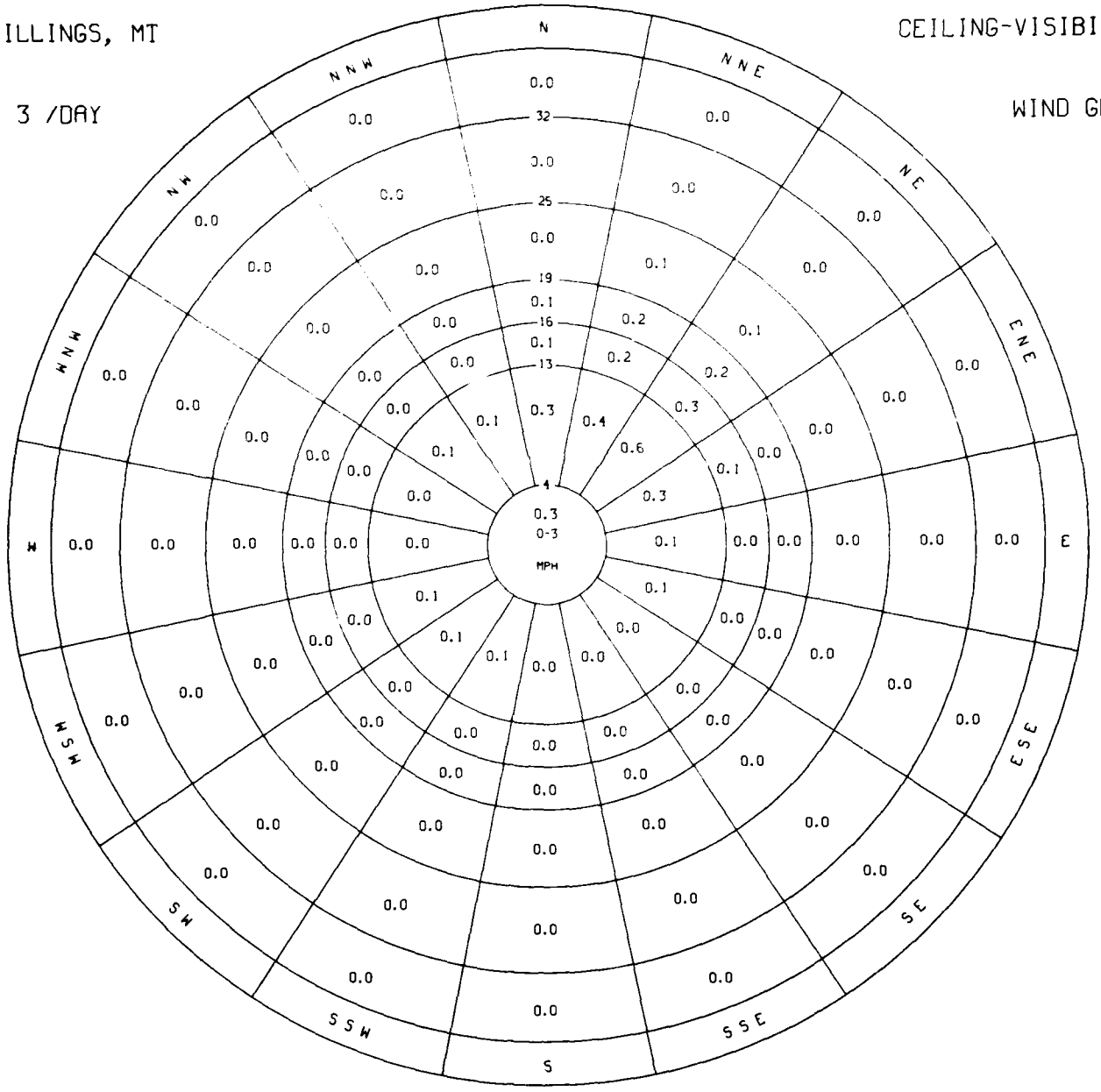
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.0	.6	9.2	.2	2.5	.1	1.6	.0	.6	.0	.4	.0	.0	1.0	15.4	10.9
NNE	.0	.6	.6	10.1	.3	4.2	.2	2.8	.1	2.2	.0	.6	.0	.0	1.3	20.5	12.6
NE	.0	.6	.9	13.7	.3	4.8	.2	3.9	.1	1.9	.0	.3	.0	.0	1.6	25.1	12.1
ENE	.0	.3	.3	5.5	.1	1.5	.1	.8	.0	.4	.0	.1	.0	.0	.5	8.6	10.9
E	.0	.2	.1	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	7.4
ESE	.0	.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	6.1
SE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.0
SSE	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	5.6
S	.0	.4	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	5.7
SSW	.0	.6	.2	2.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.4	7.1
SW	.0	.5	.3	4.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	5.4	8.2
WSW	.0	.3	.1	1.7	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.2	2.8	9.7
W	.0	.2	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.1
WNW	.0	.3	.1	.8	.0	.1	.0	.0	.0	.3	.0	.2	.0	.0	.1	1.7	11.5
NW	.0	.2	.1	1.8	.0	.6	.0	.5	.0	.4	.0	.3	.0	.0	.2	3.8	12.9
NNW	.0	.2	.1	2.1	.0	.5	.0	.6	.0	.5	.0	.1	.0	.0	.3	4.0	11.8
CALM	.1	2.3													.1	2.3	
TOTAL	.5	8.5	3.6	57.0	1.0	15.3	.7	10.6	.4	6.4	.1	2.1	.0	.1	6.3	100	10.8

BIL BILLINGS, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24033

NO. OBS.: 2397

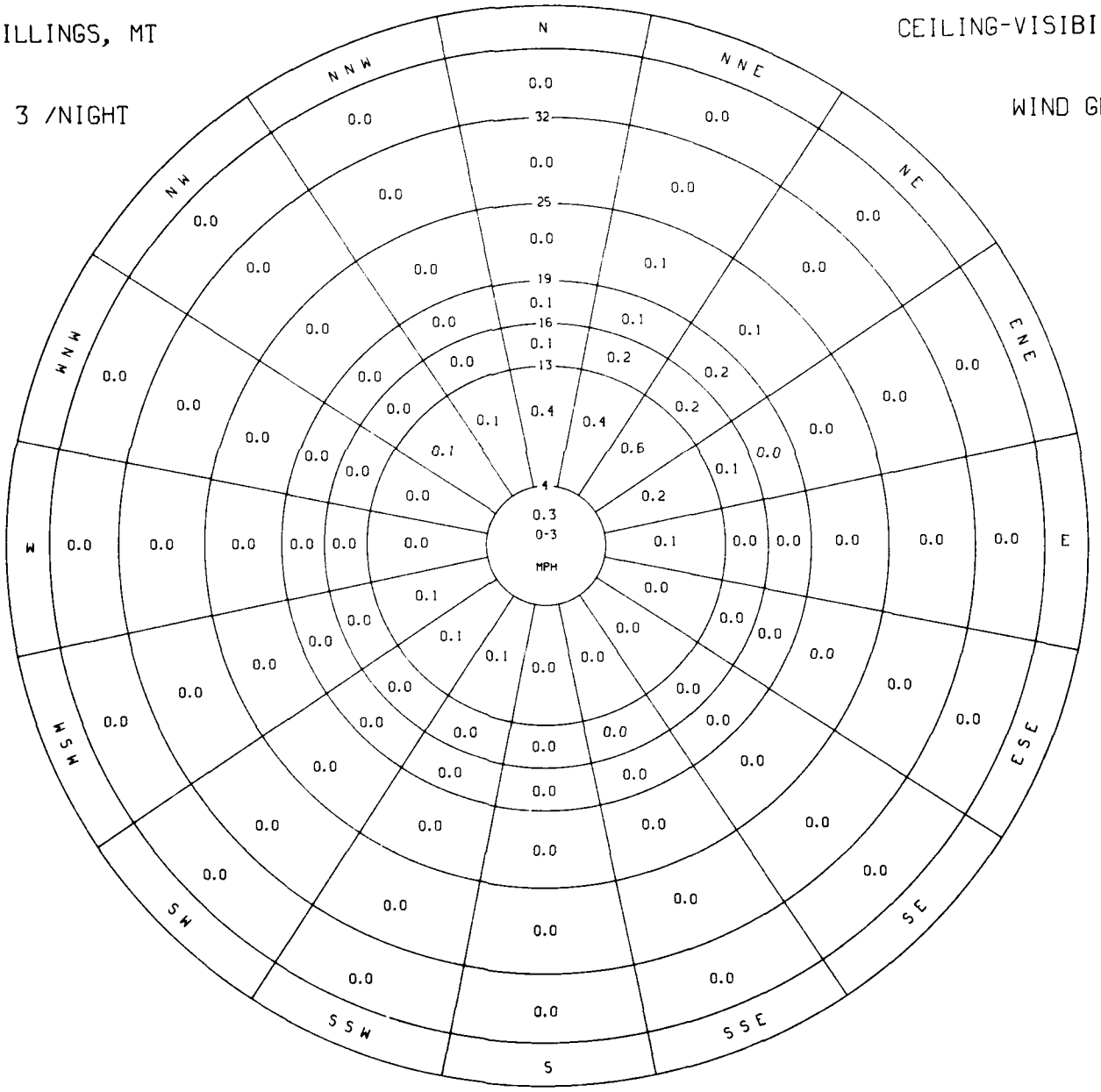
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.3	6.1	.1	1.8	.1	2.1	.0	1.1	.0	.3	.0	.0	.5	12.0	12.0
NNE	.0	.5	.4	8.6	.2	4.2	.2	3.7	.1	2.0	.0	.7	.0	.1	.9	19.8	13.3
NE	.0	.4	.6	13.7	.3	6.9	.2	4.5	.1	2.3	.0	.6	.0	.0	1.3	28.4	12.7
ENE	.0	.4	.3	6.1	.1	2.0	.0	1.1	.0	.3	.0	.1	.0	.0	.5	10.1	11.0
E	.0	.3	.1	3.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.9	8.2
ESE	.0	.1	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	7.4
SE	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.4
SSE	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.3
S	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	5.7
SSW	.0	.3	.1	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	6.8
SW	.0	.5	.1	2.7	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	3.8	8.0
WSW	.0	.2	.1	1.3	.0	.2	.0	.1	.0	.3	.0	.0	.0	.0	.1	2.1	10.5
W	.0	.0	.0	.3	.0	.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.8	13.7
WNW	.0	.1	.0	.8	.0	.2	.0	.1	.0	.4	.0	.1	.0	.0	.1	1.7	12.7
NW	.0	.2	.1	1.6	.0	.4	.0	.7	.0	.7	.0	.3	.0	.3	.2	4.3	16.0
NNW	.0	.4	.1	1.8	.0	.5	.0	.8	.0	.6	.0	.3	.0	.1	.2	4.5	13.7
CALM	.1	2.5													.1	2.5	
TOTAL	.3	7.3	2.3	51.3	.8	17.1	.6	13.5	.4	7.8	.1	2.5	.0	.5	4.5	100	11.7

BIL BILLINGS, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24033

NO. OBS.: 1549

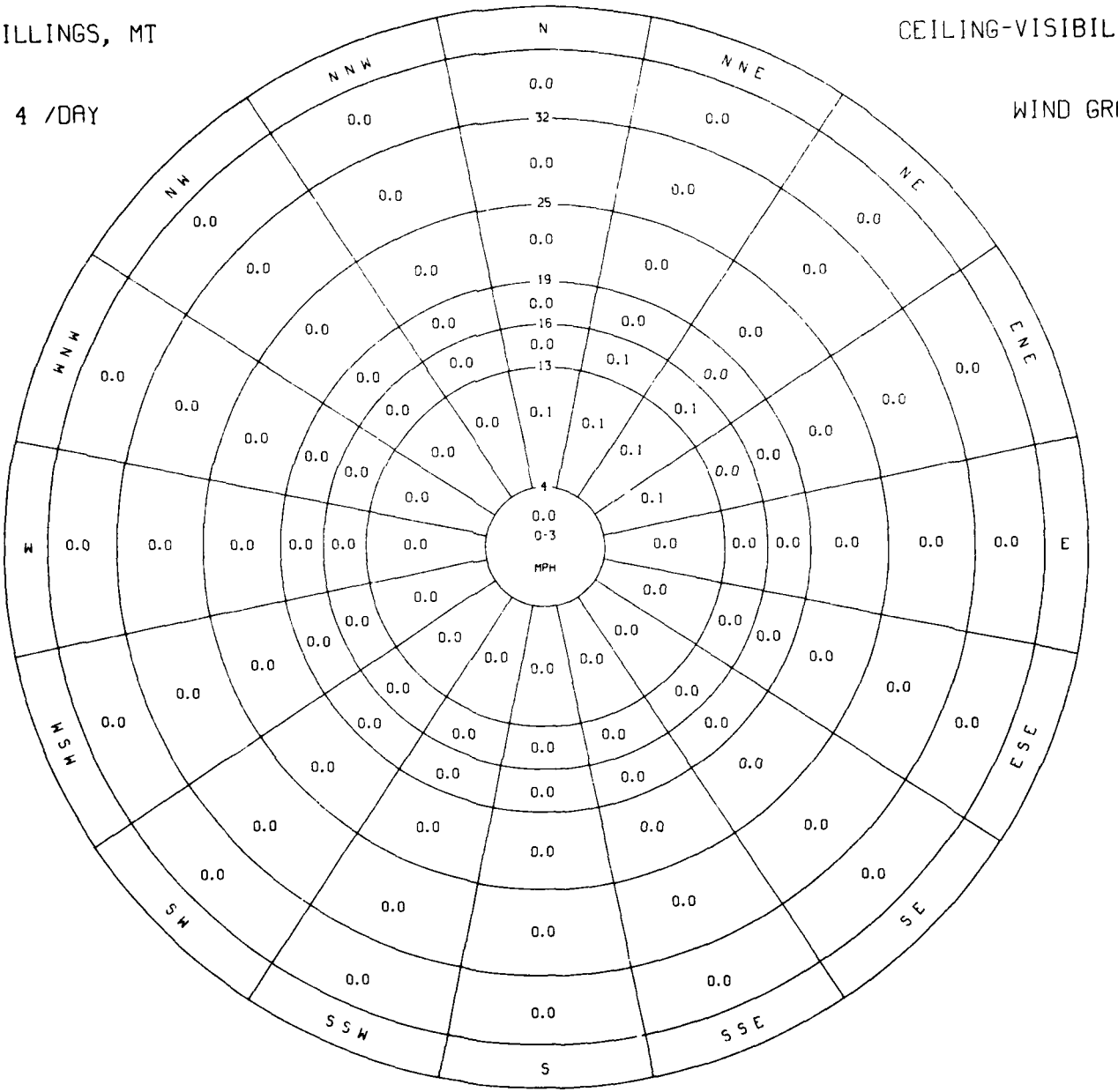
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.4	9.0	.1	2.6	.1	1.8	.0	.6	.0	.5	.0	.0	.6	15.5	11.0
NNE	.0	.6	.4	9.9	.2	4.1	.1	2.7	.1	2.3	.0	.5	.0	.1	.8	20.1	12.6
NE	.0	.6	.6	14.4	.2	4.8	.2	4.0	.1	2.3	.0	.3	.0	.0	1.1	26.4	12.1
ENE	.0	.4	.2	5.7	.1	1.6	.0	1.0	.0	.4	.0	.1	.0	.0	.4	9.3	10.9
E	.0	.3	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	7.4
ESE	.0	.3	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.6
SE	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.3
SSE	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.3
S	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.8
SSW	.0	.3	.1	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	6.9
SW	.0	.3	.1	2.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.6	8.0
WSW	.0	.2	.1	1.6	.0	.6	.0	.1	.0	.1	.0	.1	.0	.0	.1	2.8	10.5
W	.0	.3	.0	.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.3	7.1
WNW	.0	.3	.0	1.0	.0	.1	.0	.0	.0	.3	.0	.3	.0	.0	.1	2.0	12.0
NW	.0	.3	.1	2.3	.0	.6	.0	.6	.0	.4	.0	.3	.0	.1	.2	4.6	12.7
NNW	.0	.1	.1	2.4	.0	.3	.0	.7	.0	.6	.0	.1	.0	.0	.2	4.6	12.3
CALM	.1	1.9													.1	1.9	
TOTAL	.3	7.6	2.3	56.1	.7	15.9	.5	11.2	.3	7.0	.1	2.1	.0	.1	4.1	100	11.0

BIL BILLINGS, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24033

NO. OBS.: 566

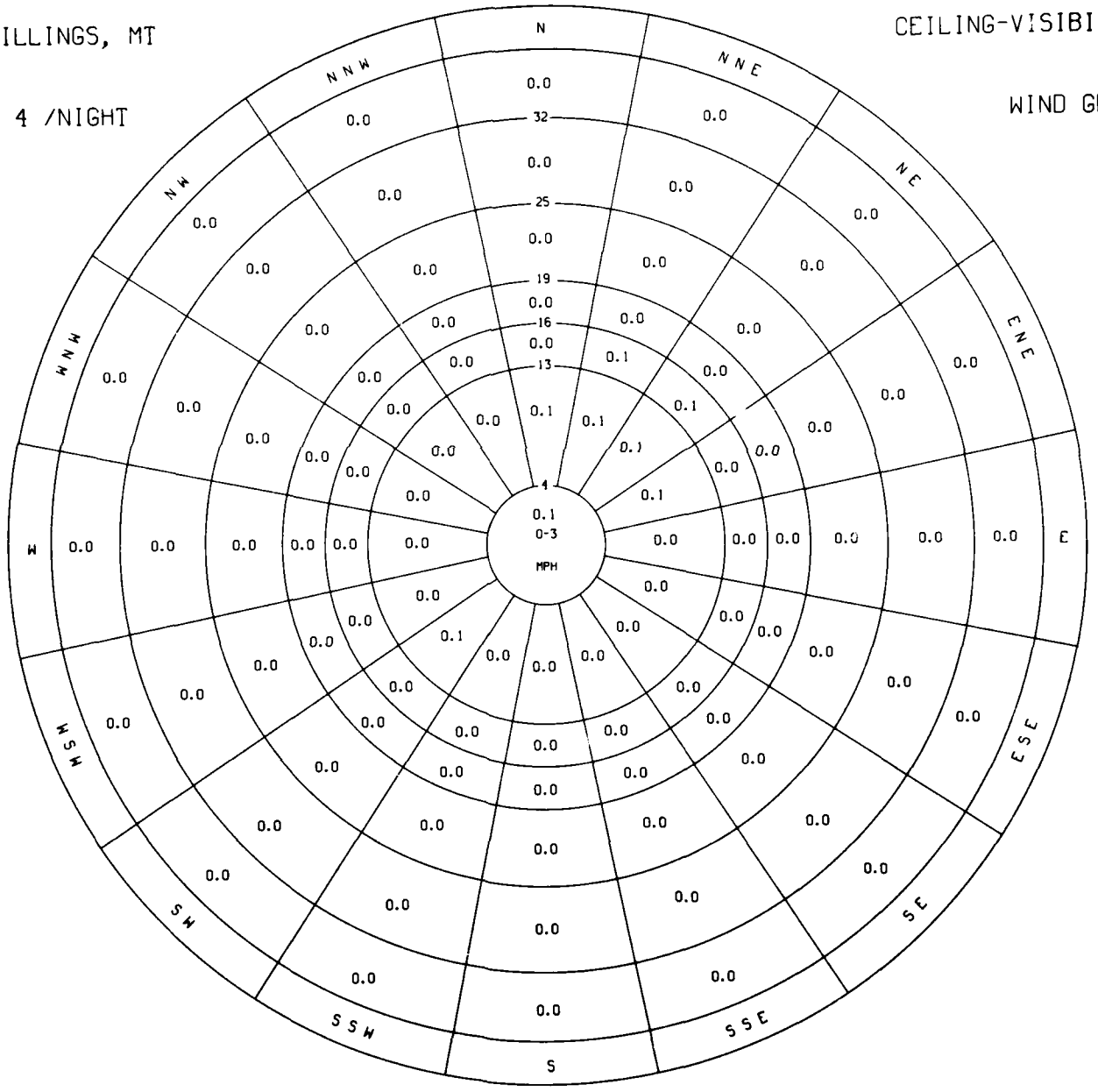
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.1	6.4	.0	2.3	.0	1.4	.0	2.3	.0	.5	.0	.0	.1	12.9	13.5
NNE	.0	.2	.1	10.4	.1	6.0	.0	4.6	.0	4.2	.0	.7	.0	.0	.3	26.1	14.0
NE	.0	.5	.1	11.8	.1	5.8	.0	4.1	.0	3.2	.0	.5	.0	.0	.3	26.0	13.4
ENE	.0	.2	.1	7.4	.0	2.5	.0	.5	.0	.0	.0	.2	.0	.0	.1	10.8	10.6
E	.0	.2	.0	3.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.7	8.0
ESE	.0	.0	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	9.8
SE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.5
SSW	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.2
SW	.0	.2	.0	3.2	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.9	9.0
WSW	.0	.5	.0	1.2	.0	.2	.0	.4	.0	.4	.0	.2	.0	.2	.0	3.0	12.3
W	.0	.4	.0	.5	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.1	9.2
WNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	1.1	12.0
NW	.0	.0	.0	1.6	.0	.4	.0	.4	.0	.9	.0	.9	.0	.0	.0	4.1	16.9
NNW	.0	.2	.0	1.6	.0	.5	.0	.4	.0	.4	.0	.2	.0	.0	.0	3.2	12.2
CALM	.0	1.1													.0	1.1	
TOTAL	.0	4.2	.5	50.2	.2	18.2	.1	12.2	.1	11.7	.0	3.4	.0	.2	1.1	100	12.6

BIL BILLINGS, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 24033

NO. OBS.: 446

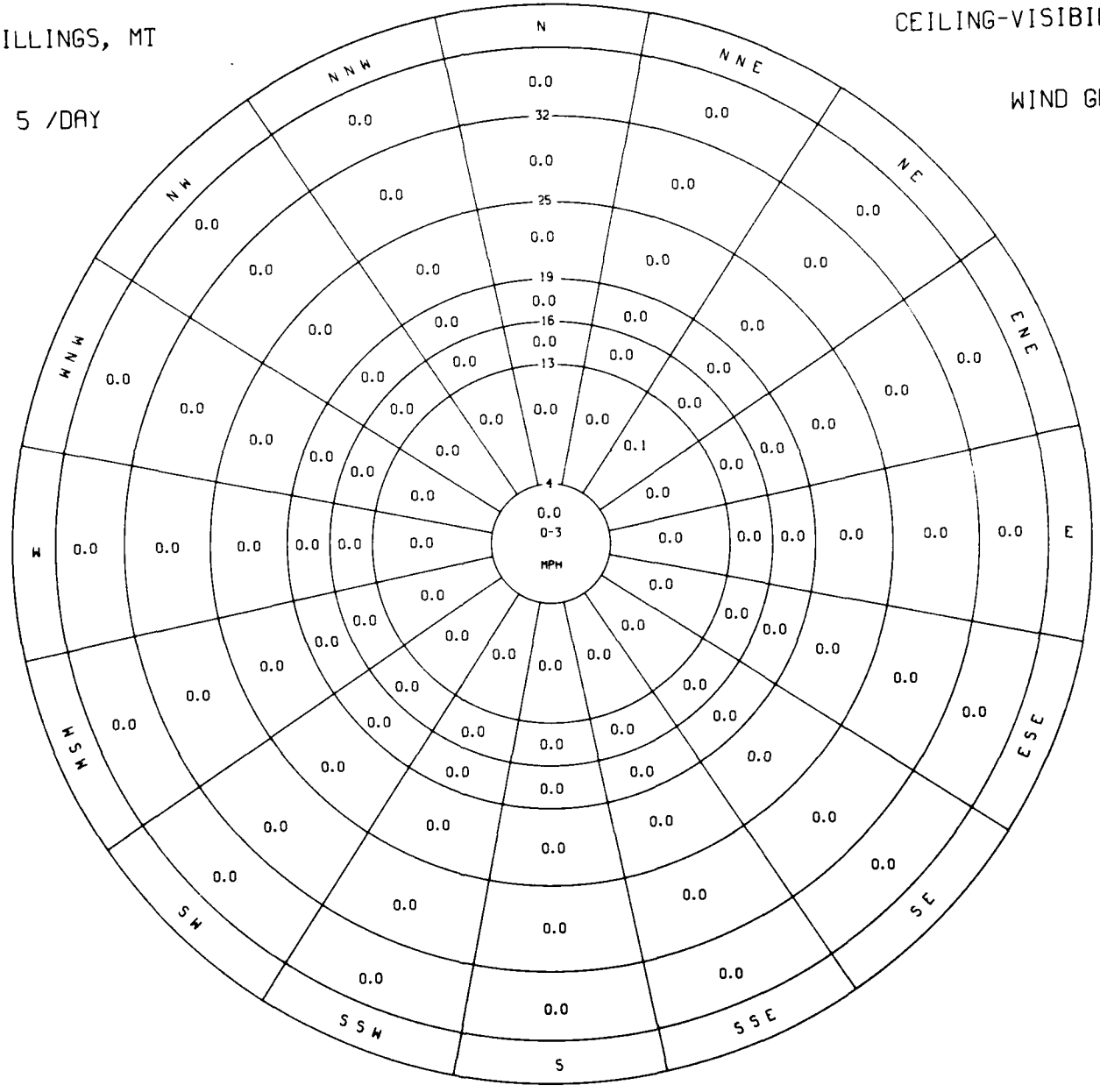
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.1	11.4	.0	2.7	.0	2.0	.0	1.3	.0	.7	.0	.2	.2	18.6	12.2
NNE	.0	.2	.1	9.2	.1	5.6	.0	2.9	.0	3.1	.0	1.1	.0	.0	.3	22.2	13.9
NE	.0	.4	.1	12.6	.1	5.6	.0	4.0	.0	1.3	.0	.2	.0	.0	.3	24.2	12.2
ENE	.0	.0	.1	5.8	.0	1.8	.0	.9	.0	.4	.0	.2	.0	.0	.1	9.2	11.2
E	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.0
ESE	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.7
SE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0
SSE	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.7
S	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.8
SSW	.0	.7	.0	1.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.7	8.1
SW	.0	.2	.1	4.3	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1	5.2	8.8
WSW	.0	.9	.0	1.8	.0	.0	.0	.4	.0	.0	.0	.2	.0	.0	.0	3.4	8.9
W	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	15.0
WNW	.0	.2	.0	.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.3	11.3
NW	.0	.0	.0	1.1	.0	.7	.0	.4	.0	.7	.0	.2	.0	.0	.0	3.1	14.9
NNW	.0	.4	.0	1.6	.0	.0	.0	.7	.0	.4	.0	.2	.0	.0	.0	3.4	12.3
CALM	.0	2.2													.0	2.2	
TOTAL	.1	6.5	.6	53.4	.2	17.3	.1	11.9	.1	7.8	.0	2.9	.0	.2	1.2	100	11.6

BIL BILLINGS, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 24033

NO. OBS.: 152

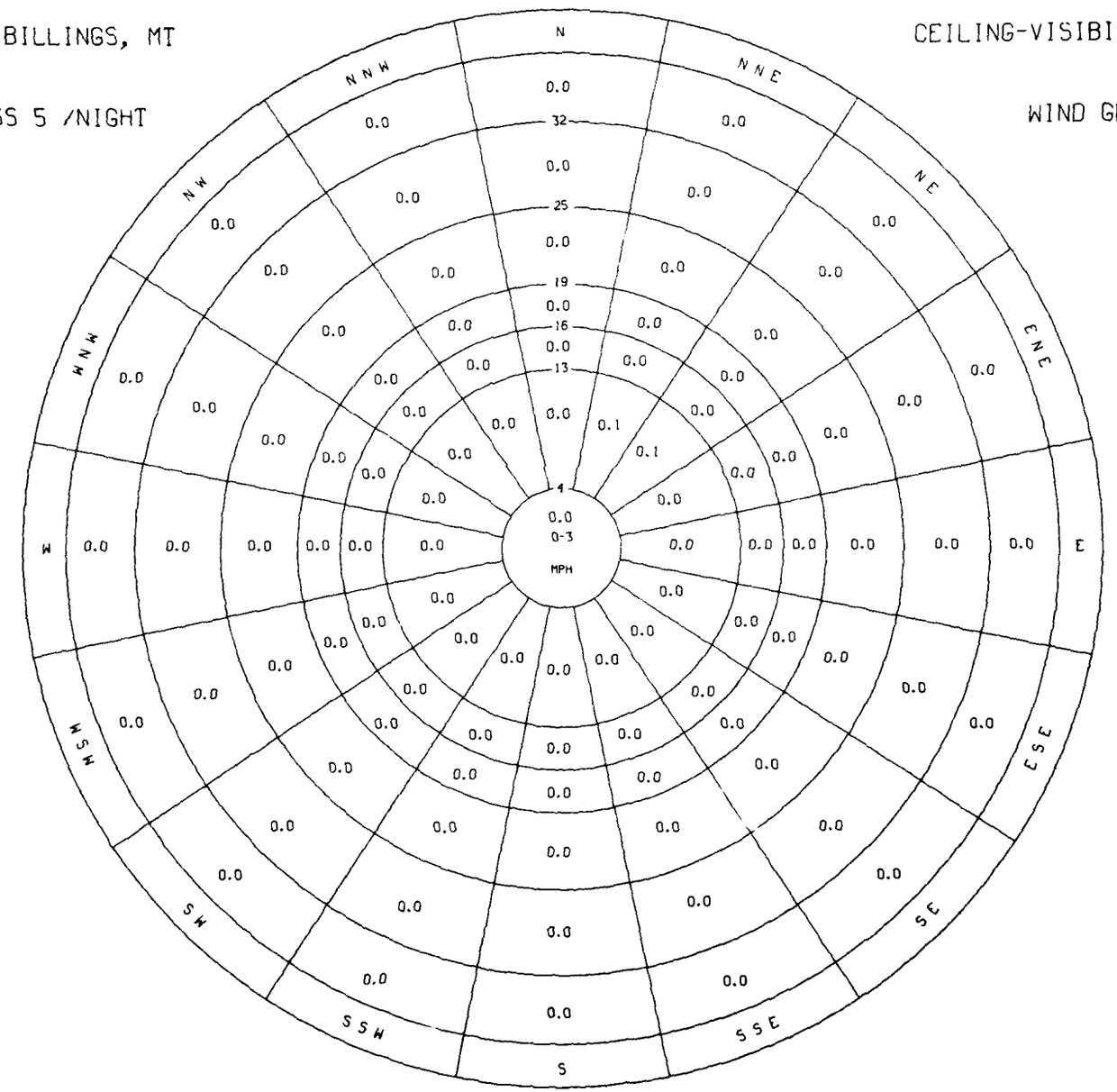
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.3	.0	8.6	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	13.8	10.0
NNE	.0	1.3	.0	7.9	.0	4.6	.0	1.3	.0	2.0	.0	1.3	.0	.7	.1	19.1	13.6
NE	.0	1.3	.1	19.1	.0	5.3	.0	2.0	.0	2.0	.0	.7	.0	.0	.1	30.3	10.9
ENE	.0	.0	.0	5.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	9.8
E	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.5
ESE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.0
S	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	10.5
SSW	.0	.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.7
SW	.0	.7	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	7.2
WSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	2.0	17.0
W	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	12.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.7	.0	3.3	20.2
NNW	.0	.7	.0	.7	.0	1.3	.0	.7	.0	.7	.0	1.3	.0	.7	.0	5.9	18.6
CALM	.0	4.6													.0	4.6	
TOTAL	.0	11.8	.2	56.6	.0	13.8	.0	5.9	.0	4.6	.0	4.6	.0	2.6	.3	100	11.1

BIL BILLINGS, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24033

NO. OBS.: 166

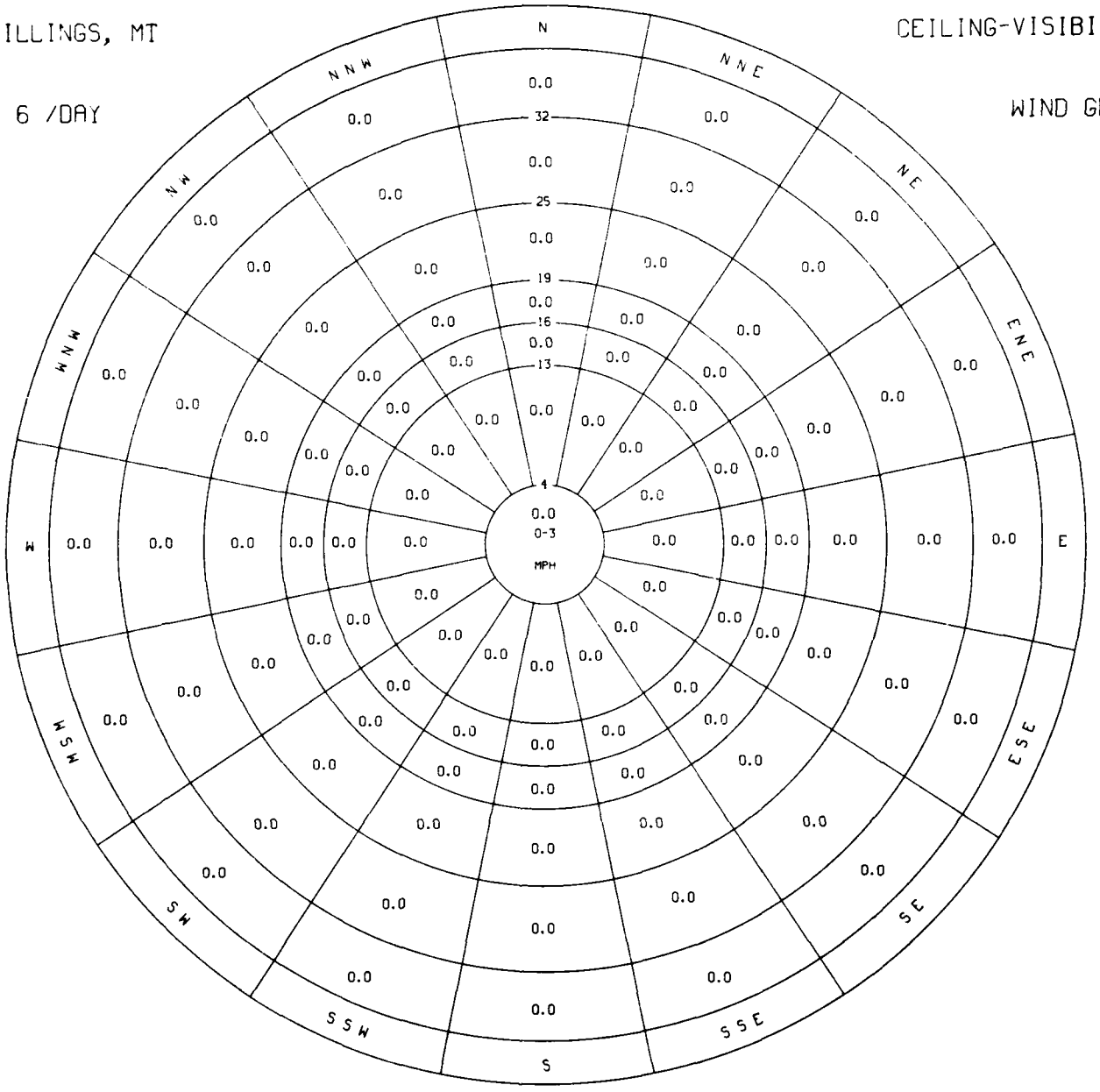
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.4	.0	9.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.7	7.3
NNE	.0	.6	.1	13.3	.0	3.6	.0	3.6	.0	1.2	.0	1.2	.0	.0	.1	23.5	12.1
NE	.0	.0	.1	16.3	.0	3.0	.0	6.6	.0	1.2	.0	.0	.0	.0	.1	27.1	12.1
ENE	.0	.0	.0	3.6	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	4.8	12.5
E	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.6	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.2
SSW	.0	1.2	.0	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.3
SW	.0	1.2	.0	5.4	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	8.4	8.1
WSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.5
W	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.2
WNW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
NW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.7
NNW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.7
CALM	.0	1.8													.0	1.8	
TOTAL	.0	9.6	.3	65.7	.0	9.6	.0	10.8	.0	3.0	.0	1.2	.0	.0	.4	100	9.6

BIL BILLINGS, MT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 24033

NO. OBS.: 181

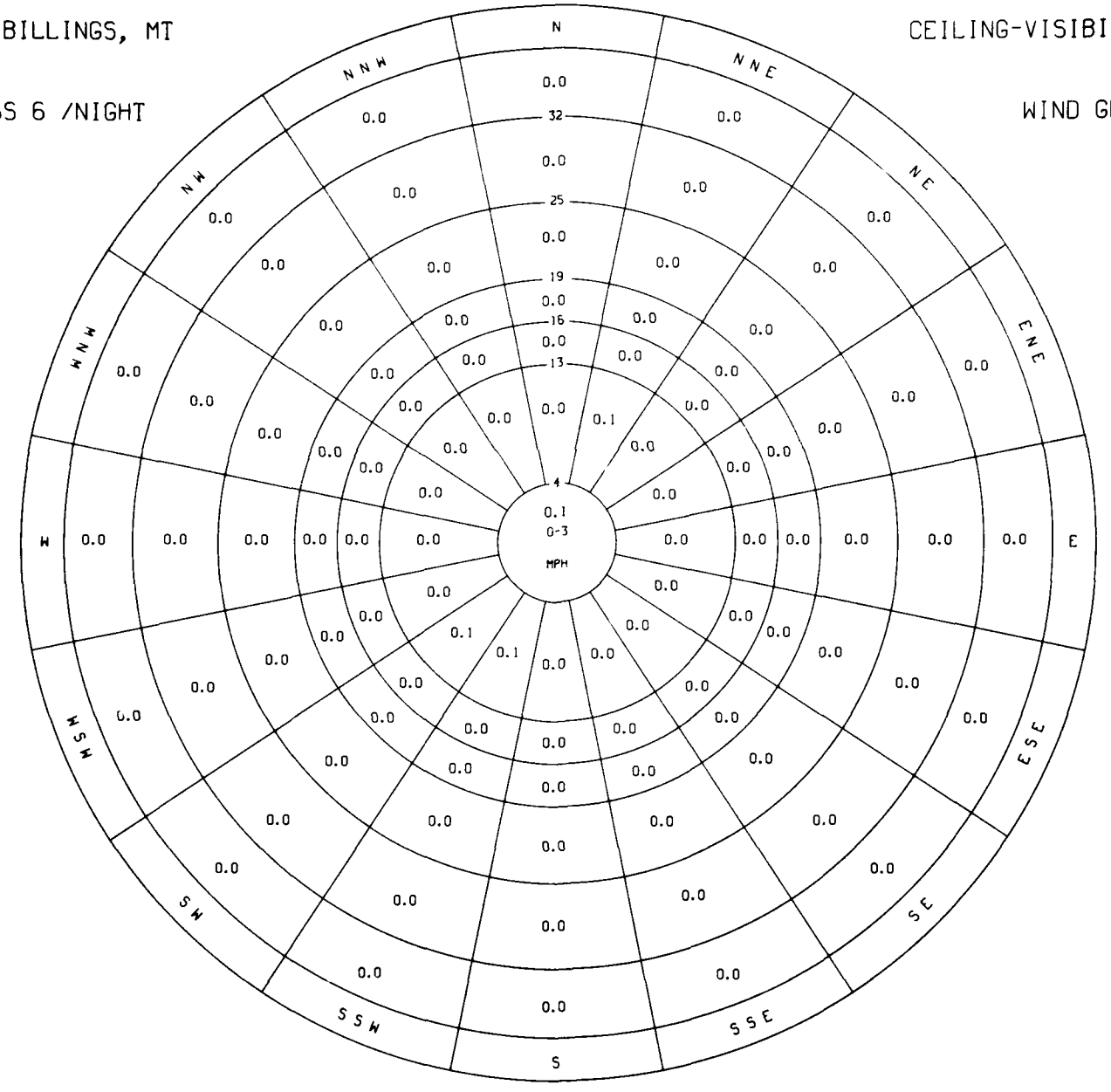
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	6.6
NNE	.0	.6	.0	12.7	.0	3.9	.0	.6	.0	1.7	.0	.0	.0	.0	.1	19.3	10.6
NE	.0	1.1	.0	12.2	.0	2.8	.0	2.2	.0	1.1	.0	.6	.0	.0	.1	19.9	10.4
ENE	.0	.6	.0	5.5	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	6.6	7.8
E	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.0
SSW	.0	1.7	.0	8.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	7.1
SW	.0	.6	.0	11.0	.0	2.2	.0	.0	.0	1.1	.0	.0	.0	.0	.1	14.9	10.1
WSW	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	8.0
W	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.7	13.3
NW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	1.1	.0	2.2	23.5
NNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	1.7	11.0
CALM	.0	3.9													.0	3.9	
TOTAL	.0	12.7	.2	66.9	.0	9.9	.0	3.3	.0	4.4	.0	1.7	.0	1.1	.3	100	9.1

BIL BILLINGS, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BIL BILLINGS, MT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24033

NO. OBS.: 197

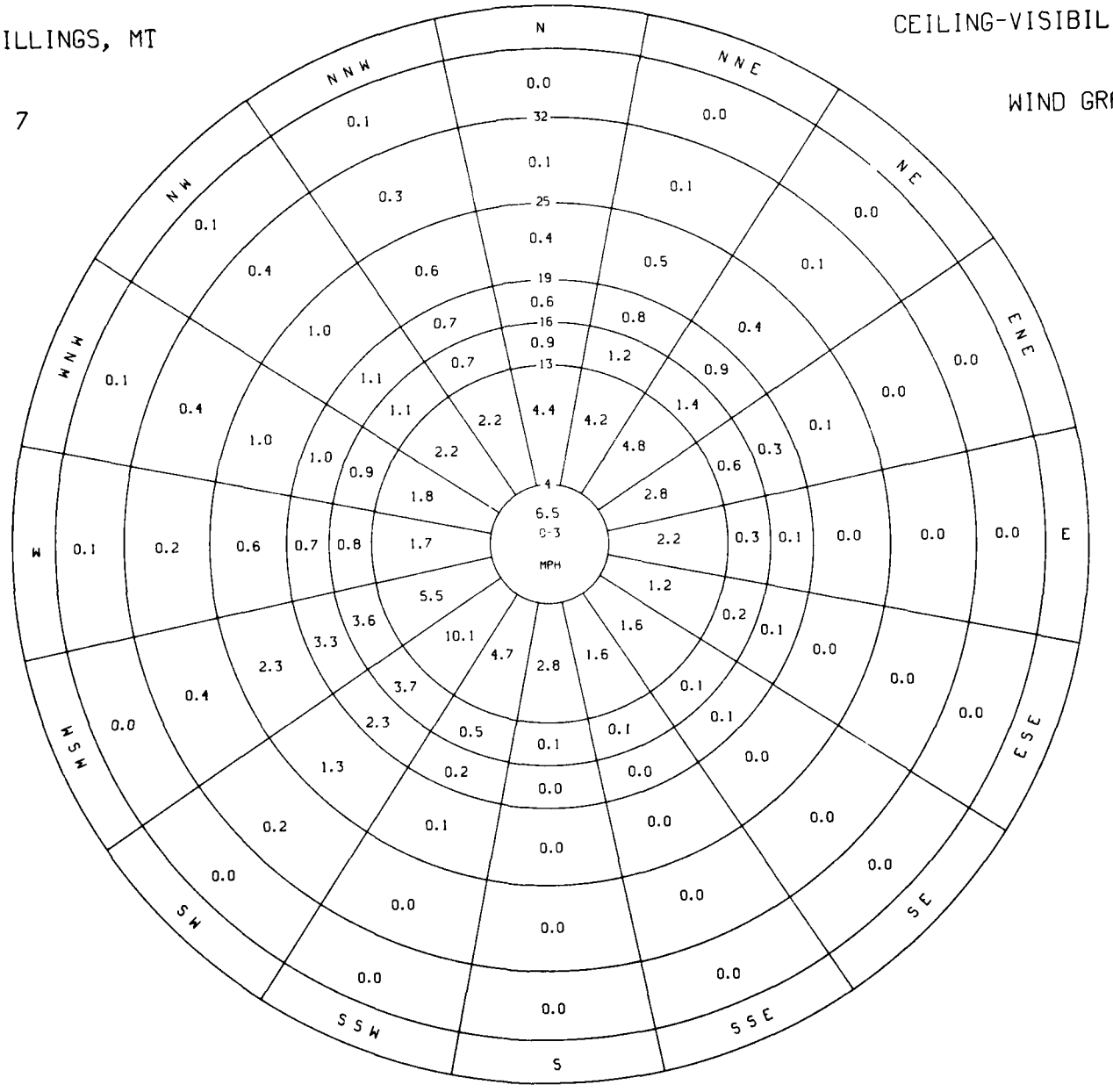
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.0	5.6	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	8.4
NNE	.0	1.5	.1	10.7	.0	3.0	.0	2.0	.0	.5	.0	.0	.0	.0	.1	17.8	10.4
NE	.0	.5	.0	8.6	.0	4.1	.0	1.0	.0	.5	.0	.5	.0	.0	.1	15.2	11.1
ENE	.0	.0	.0	4.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	7.8
E	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
ESE	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.7
SE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
SSE	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.0
S	.0	1.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.7
SSW	.0	2.0	.1	9.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.7	7.6
SW	.0	2.0	.1	15.2	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.1	18.3	8.2
WSW	.0	.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.5
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.5	.0	2.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	3.0	7.3
CALM	.0	5.6													.0	5.6	
TOTAL	.1	19.3	.3	65.0	.1	10.2	.0	3.0	.0	1.5	.0	1.0	.0	.0	.5	100	8.0

BIL BILLINGS, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

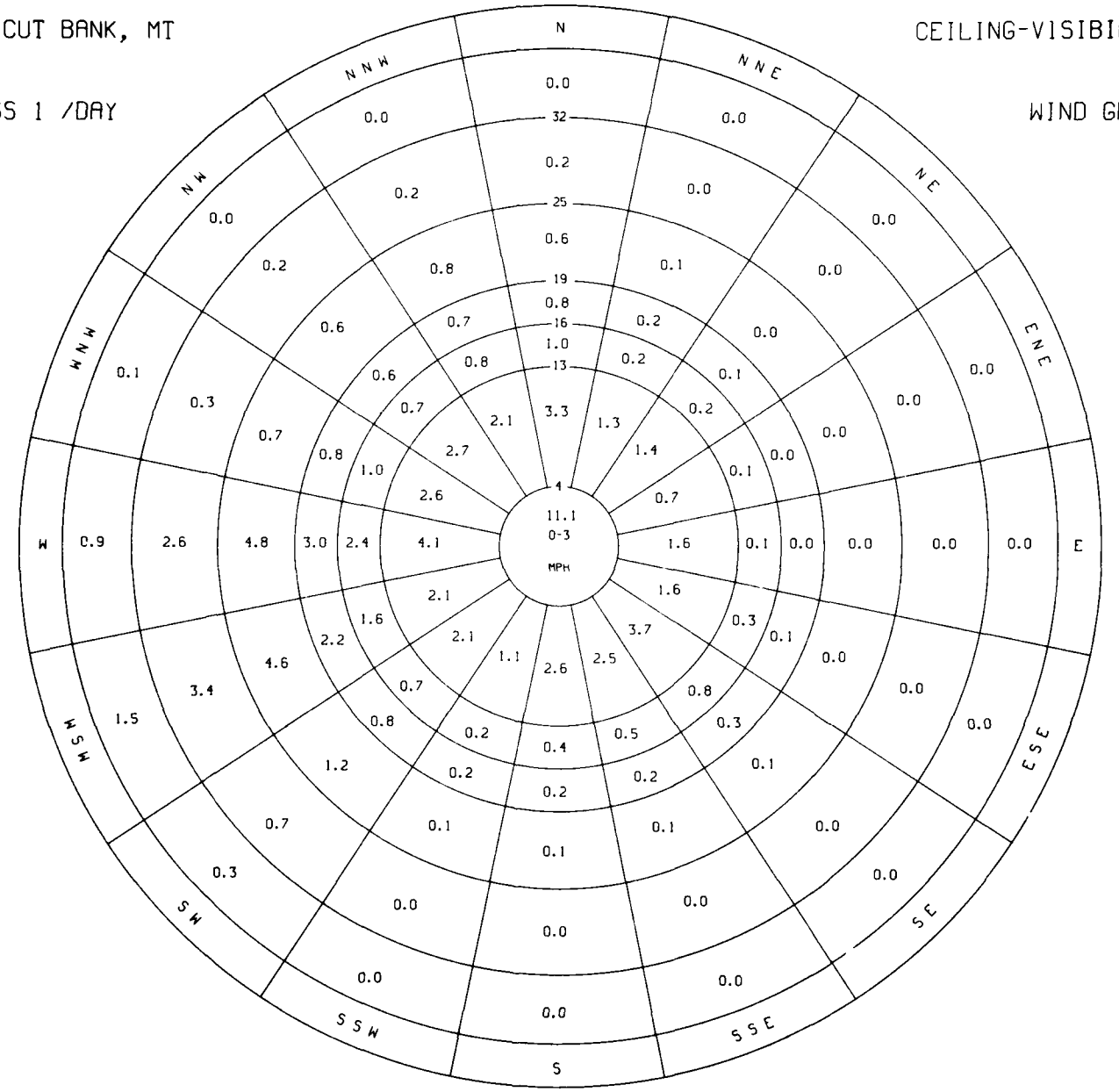


CTB CUT BANK, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24137

NO. OBS.: 48794

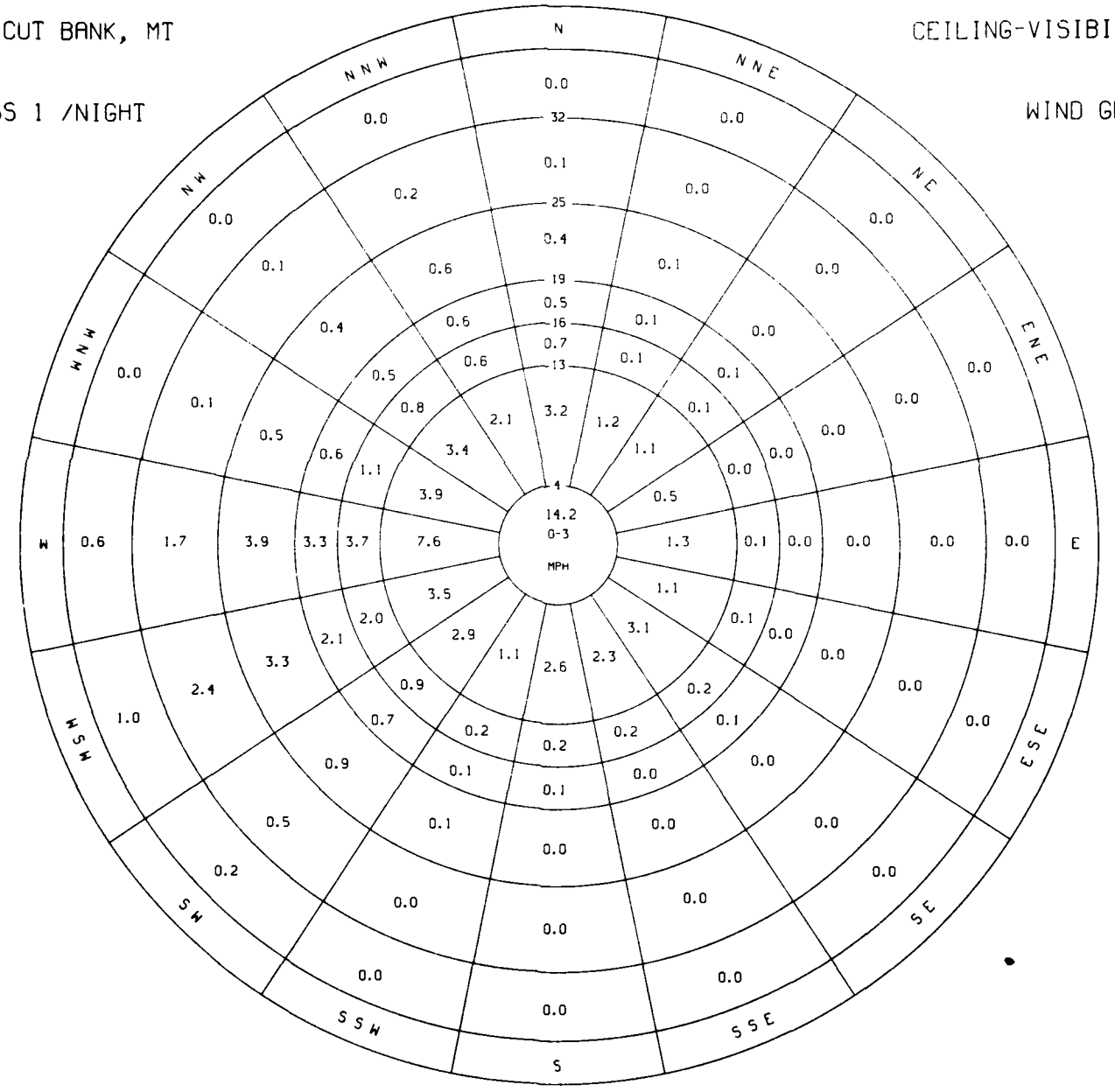
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.8	.9	3.3	3.6	1.0	1.1	.8	.9	.6	.7	.2	.2	.0	.0	6.7	7.3	11.2
NNE	.3	.4	1.3	1.4	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	2.2	2.3	9.2
NE	.7	.7	1.4	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.5	7.0
ENE	.1	.2	.7	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	7.8
E	.6	.6	1.6	1.7	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.4	2.6	7.3
ESE	.3	.3	1.6	1.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.5	8.7
SE	.9	1.0	3.7	4.0	.8	.8	.3	.3	.1	.1	.0	.0	.0	.0	5.7	6.2	8.7
SSE	.3	.3	2.5	2.7	.5	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.6	3.9	9.7
S	.6	.6	2.6	2.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.8	4.1	8.6
SSW	.2	.2	1.1	1.2	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.8	2.0	10.2
SW	.5	.6	2.1	2.2	.7	.7	.8	.8	1.2	1.3	.7	.8	.3	.4	6.3	6.9	15.8
WSW	.2	.2	2.1	2.3	1.6	1.8	2.2	2.4	4.6	5.0	3.4	3.7	1.5	1.6	15.7	17.0	21.1
W	.4	.4	4.1	4.4	2.4	2.6	3.0	3.3	4.8	5.2	2.6	2.8	.9	.9	18.2	19.7	18.0
WNW	.2	.3	2.6	2.8	1.0	1.0	.8	.8	.7	.7	.3	.3	.1	.1	5.6	6.1	13.2
NW	.6	.7	2.7	3.0	.7	.8	.6	.7	.6	.7	.2	.2	.0	.0	5.6	6.0	11.7
NNW	.2	.3	2.1	2.3	.8	.9	.7	.7	.8	.8	.2	.2	.0	.0	4.8	5.2	13.5
CALM	4.3	4.7													4.3	4.7	
TOTAL	11.1	12.1	35.4	38.4	11.1	12.0	10.1	10.9	14.0	15.2	7.7	8.3	2.9	3.1	92.2	100	13.6

CTB CUT BANK, MT

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24137

NO. OBS.: 34623

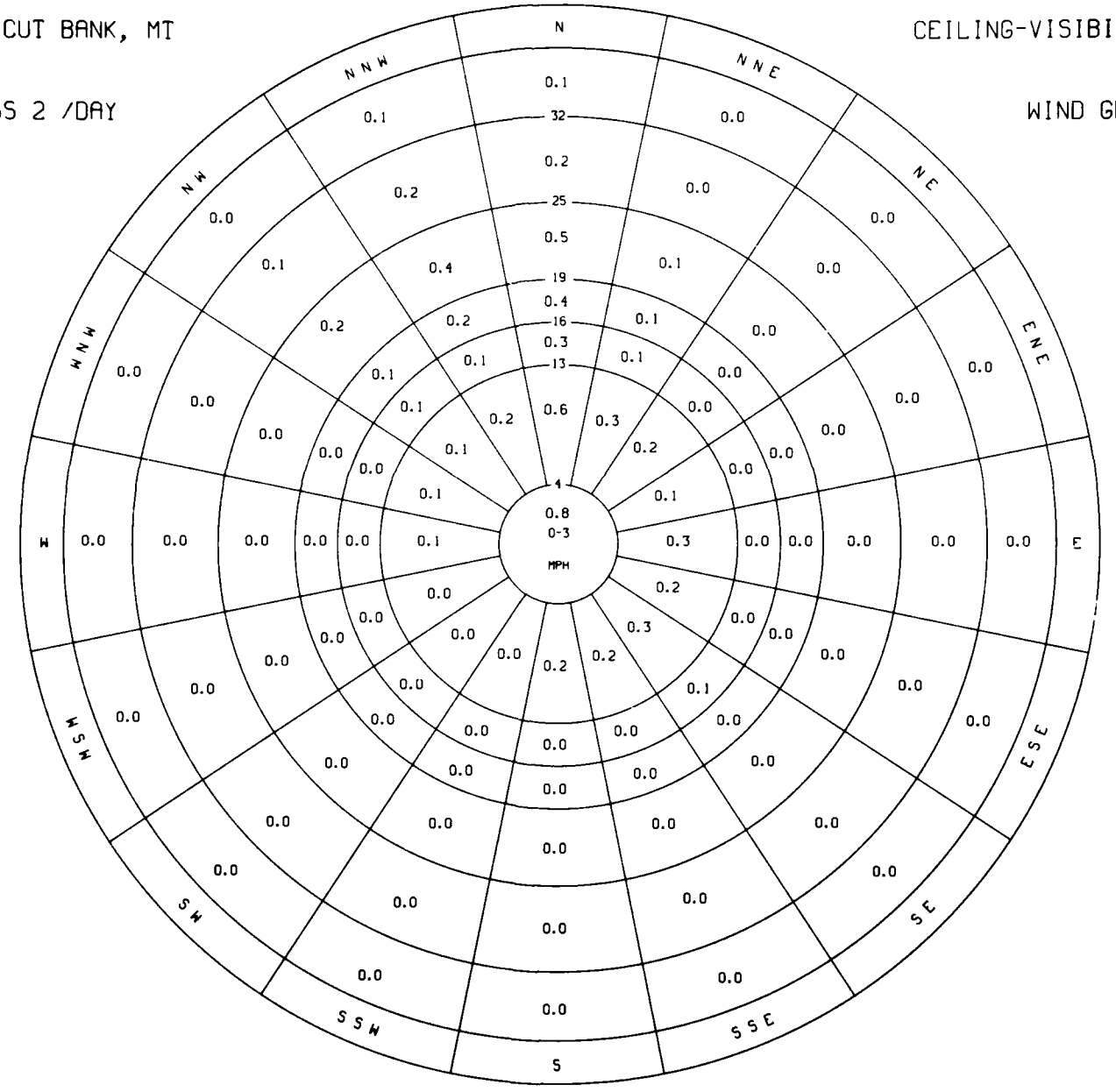
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.9	1.0	3.2	3.5	.7	.7	.5	.5	.4	.5	.1	.1	.0	.0	5.9	6.4	9.9
NNE	.3	.3	1.2	1.3	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.7	1.9	7.9
NE	.6	.6	1.1	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.8	1.9	6.2
ENE	.1	.1	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	6.9
E	.4	.5	1.3	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.0	6.5
ESE	.2	.2	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.6	7.6
SE	1.0	1.0	3.1	3.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.4	4.8	7.1
SSE	.3	.3	2.3	2.5	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.8	3.1	7.9
S	.7	.7	2.6	2.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.6	3.9	7.2
SSW	.2	.2	1.1	1.2	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.7	1.9	9.4
SW	.7	.8	2.9	3.2	.9	.9	.7	.7	.9	.9	.5	.5	.2	.2	6.7	7.3	13.3
WSW	.2	.2	3.5	3.8	2.0	2.2	2.1	2.3	3.3	3.6	2.4	2.6	1.0	1.0	14.5	15.7	18.6
W	.7	.7	7.6	8.3	3.7	4.1	3.3	3.6	3.9	4.2	1.7	1.8	.6	.7	21.5	23.4	15.4
WNW	.3	.4	3.9	4.2	1.1	1.2	.6	.7	.5	.5	.1	.1	.0	.0	6.5	7.1	11.2
NW	.9	1.0	3.4	3.7	.8	.9	.5	.5	.4	.4	.1	.1	.0	.0	6.1	6.7	10.0
NNW	.2	.2	2.1	2.2	.6	.7	.6	.6	.6	.6	.2	.2	.0	.0	4.3	4.7	12.7
CALM	6.5	7.1													6.5	7.1	
TOTAL	14.2	15.4	41.0	44.6	11.0	12.0	8.7	9.4	10.1	11.0	5.1	5.6	1.9	2.1	91.9	100	11.8

CTB CUT BANK, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 24137

NO. OBS.: 4100

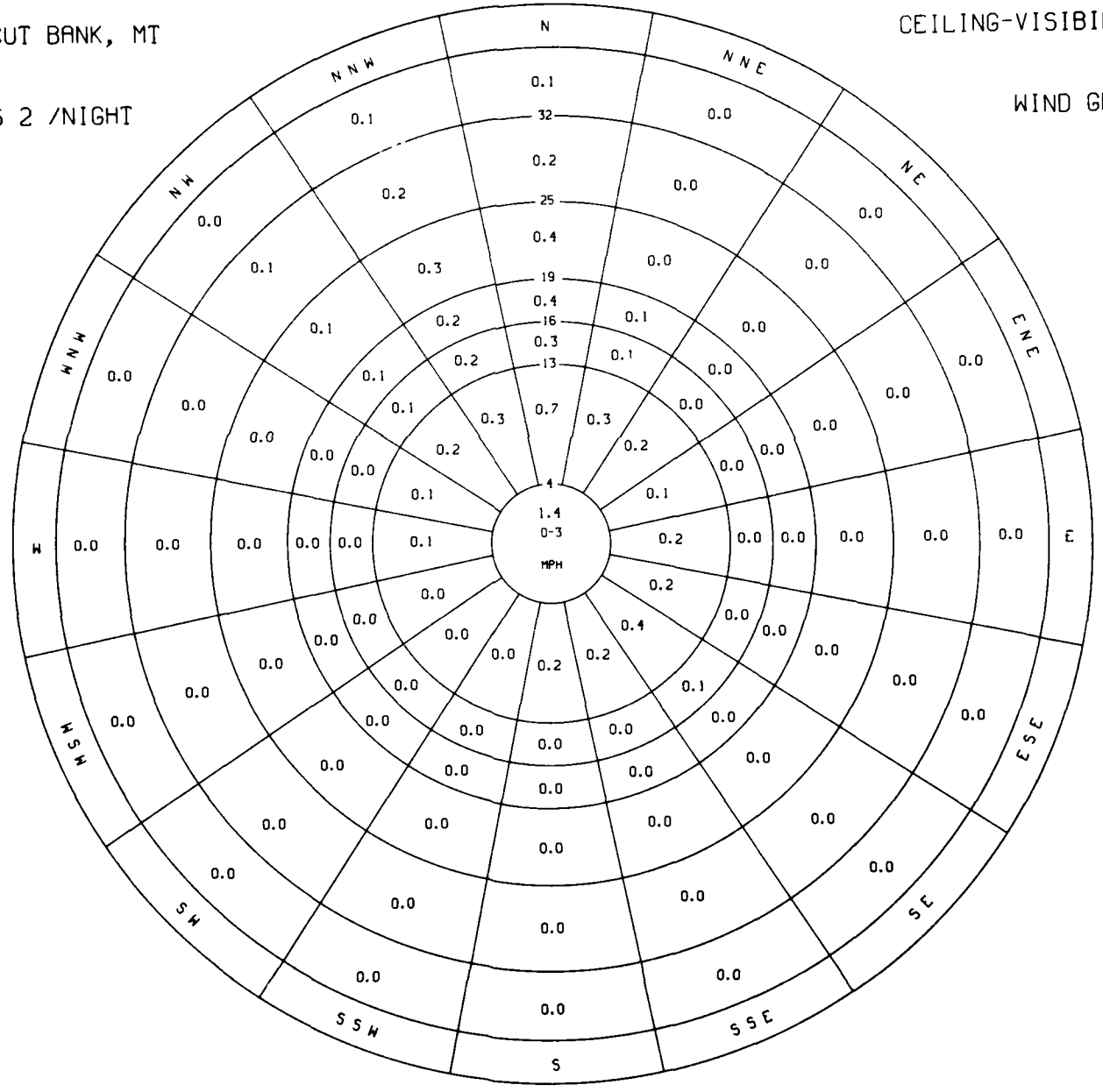
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.6	7.9	.3	4.5	.4	4.9	.5	6.5	.2	2.6	.1	.7	2.1	27.7	16.5
NNE	.0	.2	.3	3.8	.1	1.3	.1	1.1	.1	.7	.0	.1	.0	.0	.6	7.1	12.5
NE	.0	.5	.2	2.5	.0	.5	.0	.4	.0	.2	.0	.1	.0	.0	.3	4.3	10.2
ENE	.0	.1	.1	1.7	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.2	2.4	10.1
E	.0	.6	.3	3.8	.0	.6	.0	.3	.0	.1	.0	.0	.0	.0	.4	5.4	9.0
ESE	.0	.5	.2	2.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3	4.0	8.5
SE	.1	1.2	.3	4.2	.1	.9	.0	.3	.0	.0	.0	.0	.0	.0	.5	6.6	8.1
SSE	.0	.2	.2	2.2	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.3	9.3
S	.0	.5	.2	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.0	7.6
SSW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.8
SW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	9.6
WSW	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.0	.1	.0	.4	.1	.9	28.7
W	.0	.0	.1	.7	.0	.2	.0	.2	.0	.3	.0	.2	.0	.3	.1	1.9	19.5
WNW	.0	.1	.1	.7	.0	.2	.0	.4	.0	.6	.0	.5	.0	.0	.2	2.5	17.2
NW	.0	.1	.1	1.7	.1	1.0	.1	1.1	.2	2.2	.1	1.8	.0	.6	.7	8.5	19.2
NNW	.0	.2	.2	3.0	.1	1.9	.2	2.6	.4	4.9	.2	3.2	.1	1.0	1.3	16.8	19.6
CALM	.3	4.5													.3	4.5	
TOTAL	.8	9.7	2.9	38.0	1.0	12.7	.9	11.8	1.2	15.9	.7	8.7	.2	3.1	7.8	100	14.1

CTB CUT BANK, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24137

NO. OBS.: 3032

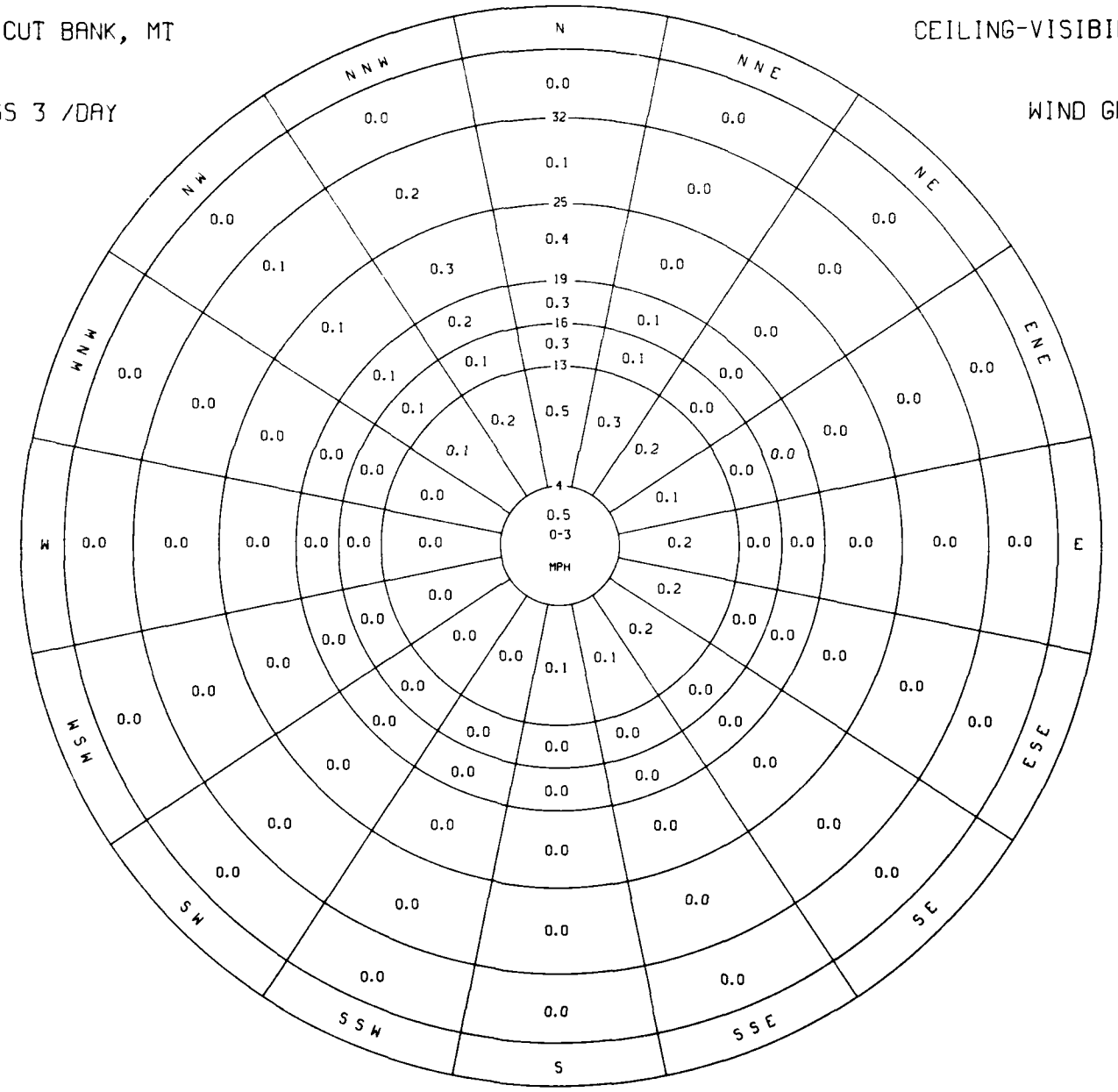
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.1	.7	8.6	.3	3.6	.4	4.6	.4	5.0	.2	2.3	.1	.8	2.1	25.9	15.6
NNE	.0	.4	.3	3.2	.1	1.4	.1	.7	.0	.4	.0	.2	.0	.0	.5	6.3	11.7
NE	.1	1.1	.2	2.8	.0	.4	.0	.2	.0	.3	.0	.0	.0	.0	.4	4.8	8.7
ENE	.0	.3	.1	1.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.4	8.3
E	.1	.8	.2	2.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.0	7.4
ESE	.0	.4	.2	2.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.7	8.0
SE	.1	1.6	.4	4.8	.1	.9	.0	.4	.0	.0	.0	.0	.0	.0	.6	7.8	7.9
SSE	.0	.6	.2	3.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	4.2	8.0
S	.1	.7	.2	2.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.3	6.9
SSW	.0	.1	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	7.4
SW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	8.0
WSW	.0	.1	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	.1	1.1	24.4
W	.0	.3	.1	.7	.0	.2	.0	.1	.0	.2	.0	.1	.0	.4	.2	2.1	17.2
WNW	.0	.1	.1	.9	.0	.3	.0	.3	.0	.1	.0	.1	.0	.0	.2	1.9	12.8
NW	.0	.5	.2	2.0	.1	.9	.1	.8	.1	1.6	.1	.8	.0	.5	.6	7.0	16.7
NNW	.0	.2	.3	3.1	.2	2.1	.2	2.5	.3	4.0	.2	2.9	.1	1.0	1.3	15.7	19.2
CALM	.7	8.7													.7	8.7	
TOTAL	1.4	17.3	3.2	39.8	.9	11.3	.8	10.1	1.0	11.8	.5	6.4	.3	3.2	8.1	100	12.3

CTB CUT BANK, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24137

NO. OBS.: 3263

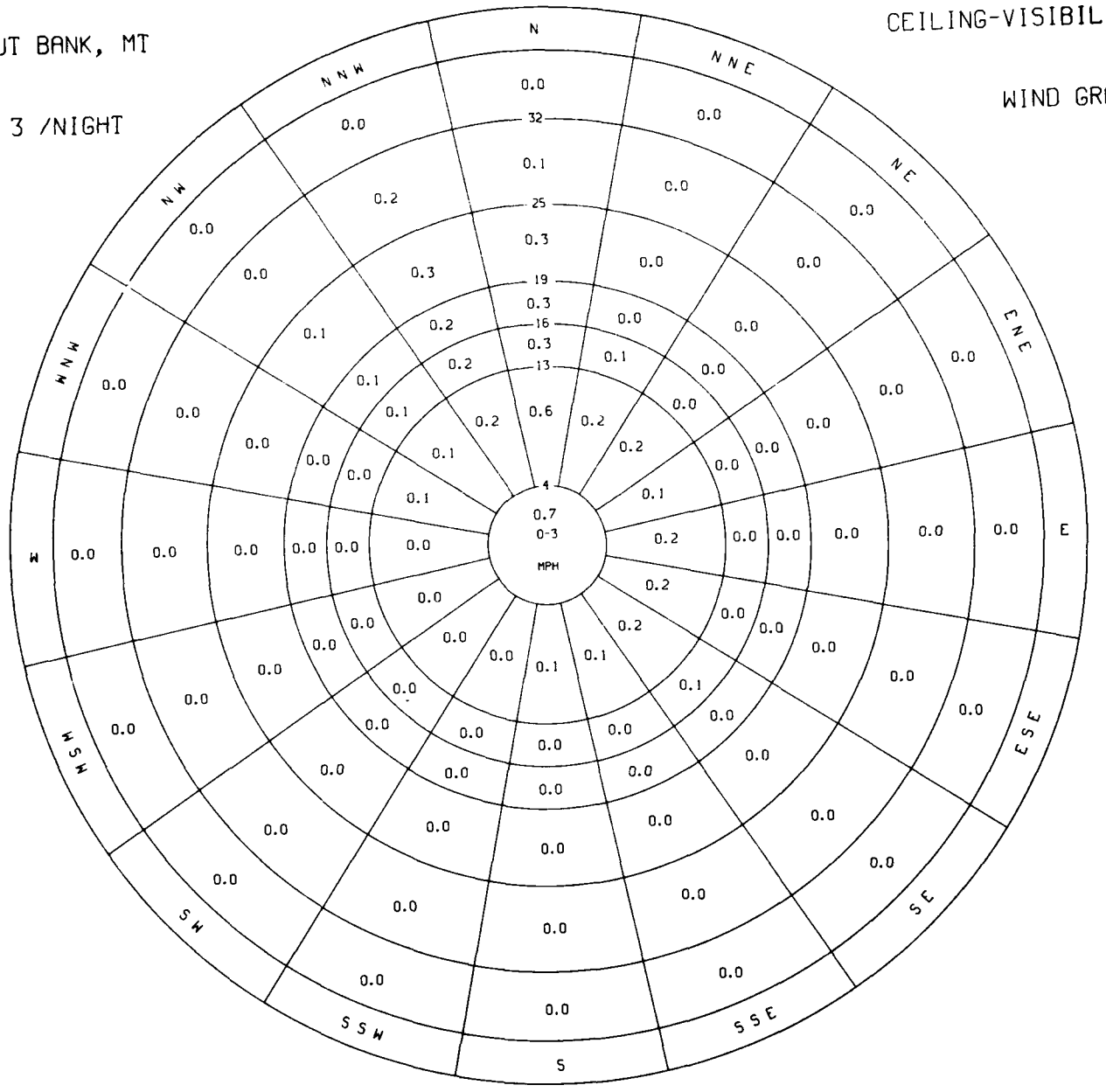
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.5	8.8	.3	5.1	.3	5.3	.4	6.5	.1	2.3	.0	.5	1.8	29.2	15.9
NNE	.0	.2	.3	4.2	.1	1.5	.1	1.3	.0	.7	.0	.1	.0	.0	.5	8.0	12.4
NE	.0	.5	.2	2.9	.0	.6	.0	.4	.0	.3	.0	.1	.0	.0	.3	4.7	10.2
ENE	.0	.2	.1	1.8	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.2	2.6	10.0
E	.0	.6	.2	3.9	.0	.6	.0	.4	.0	.1	.0	.0	.0	.0	.3	5.6	9.1
ESE	.0	.4	.2	2.7	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.2	3.9	8.9
SE	.1	1.0	.2	3.7	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.4	5.7	8.6
SSE	.0	.2	.1	1.8	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.2	2.8	9.9
S	.0	.3	.1	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.3	8.0
SSW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.7
SW	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.7
WSW	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	.0	.1	.0	.2	.0	.7	25.6
W	.0	.0	.0	.6	.0	.2	.0	.2	.0	.2	.0	.2	.0	.2	.1	1.7	18.3
WNW	.0	.1	.0	.8	.0	.2	.0	.5	.0	.7	.0	.6	.0	.0	.2	2.9	17.1
NW	.0	.1	.1	1.7	.1	1.2	.1	1.3	.1	2.3	.1	1.7	.0	.4	.5	8.7	18.6
NNW	.0	.2	.2	3.4	.1	2.1	.2	3.0	.3	5.2	.2	2.9	.0	.5	1.1	17.2	18.7
CALM	.2	3.2													.2	3.2	
TOTAL	.5	7.7	2.4	38.6	.9	14.0	.8	13.5	1.0	16.5	.5	8.0	.1	1.8	6.2	100	14.1

CTB CUT BANK, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24137

NO. OBS.: 2199

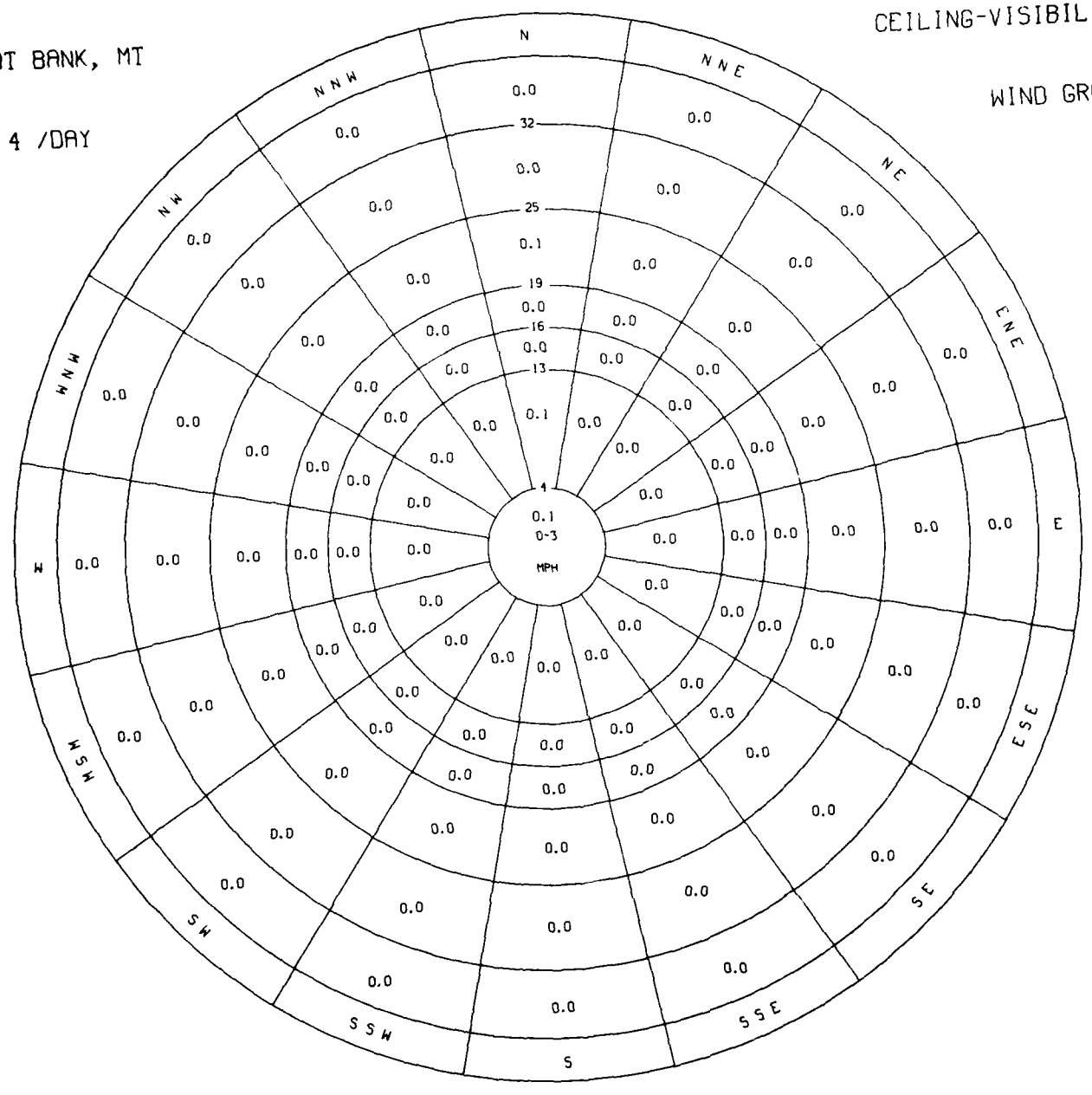
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.6	9.6	.3	4.3	.3	5.5	.3	5.7	.1	2.4	.0	.5	1.7	28.7	15.5
NNE	.0	.3	.2	3.6	.1	1.6	.0	.8	.0	.5	.0	.2	.0	.0	.4	7.0	11.9
NE	.1	1.0	.2	3.1	.0	.4	.0	.2	.0	.3	.0	.0	.0	.0	.3	5.0	8.2
ENE	.0	.4	.1	1.7	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.5	8.3
E	.0	.8	.2	2.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0	7.1
ESE	.0	.4	.2	2.6	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.5	8.4
SE	.1	1.0	.2	4.1	.1	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.4	6.7	8.8
SSE	.0	.3	.1	2.3	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.1	8.6
S	.0	.4	.1	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.0	7.8
SSW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	8.5
SW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.7
WSW	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	.1	1.0	25.8
W	.0	.2	.0	.7	.0	.2	.0	.1	.0	.3	.0	.1	.0	.5	.1	2.1	18.4
WNW	.0	.0	.1	1.0	.0	.5	.0	.4	.0	.1	.0	.1	.0	.0	.1	2.1	13.1
NW	.0	.5	.1	2.5	.1	1.1	.1	.9	.1	2.0	.0	.8	.0	.4	.5	8.2	16.3
NNW	.0	.2	.2	3.5	.2	2.6	.2	3.0	.3	5.0	.2	3.0	.0	.2	1.0	17.5	18.2
CALM	.3	5.3													.3	5.3	
TOTAL	.7	12.1	2.3	39.9	.8	13.4	.7	12.0	.8	14.1	.4	6.6	.1	1.9	5.8	100	13.0

CTB CUT BANK, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24137

NO. OBS.: 409

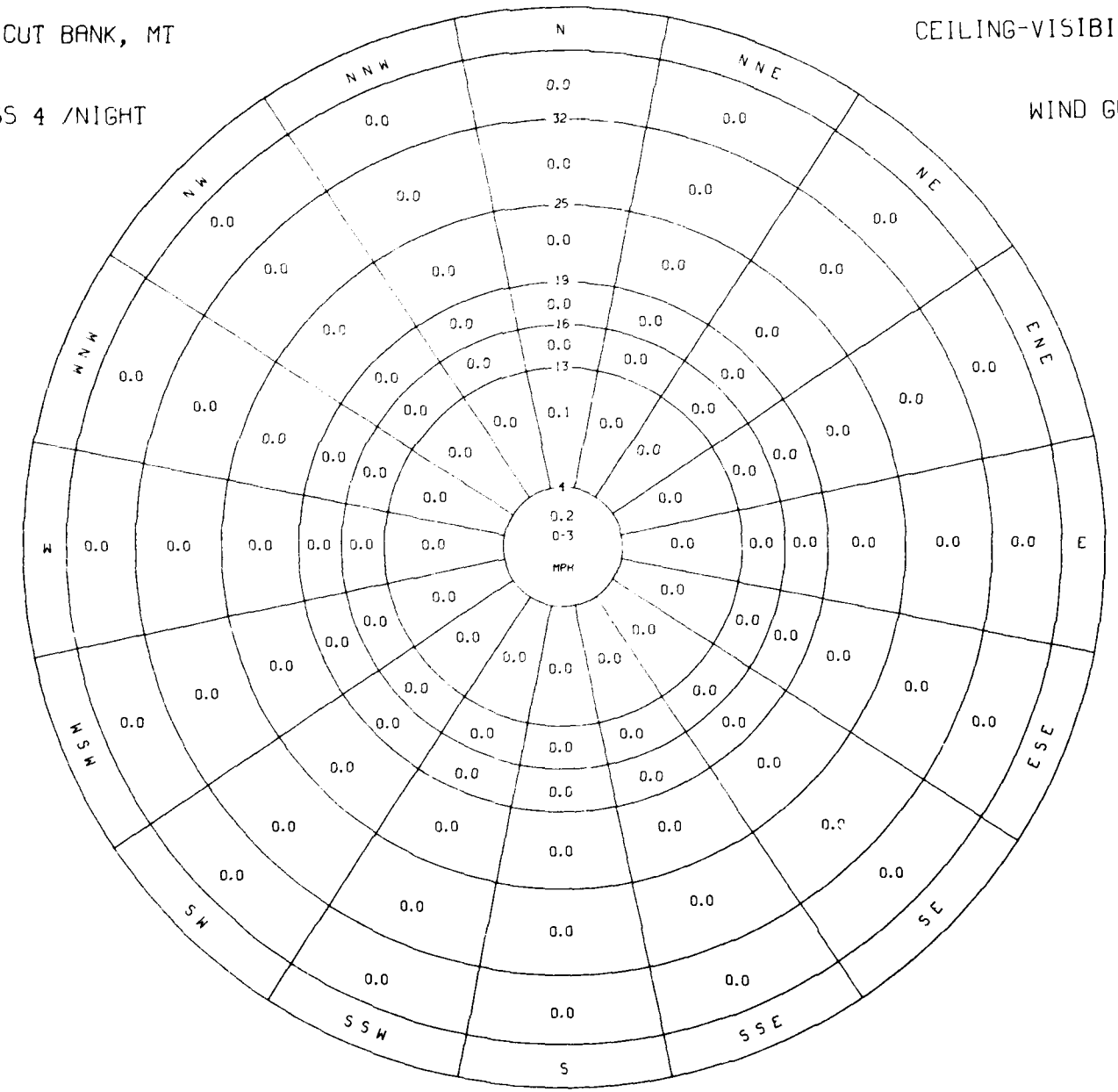
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.1	7.3	.0	2.7	.0	4.6	.1	9.3	.0	2.7	.0	.5	.2	27.6	17.2
NNE	.0	.5	.0	2.9	.0	1.0	.0	.2	.0	1.0	.0	.2	.0	.0	.0	5.9	12.7
NE	.0	.2	.0	2.0	.0	.2	.0	.5	.0	.2	.0	.2	.0	.0	.0	3.4	11.2
ENE	.0	.0	.0	1.7	.0	.0	.0	.5	.0	.2	.0	.0	.0	.0	.0	2.4	10.9
E	.0	.2	.0	3.7	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	4.6	9.7
ESE	.0	1.2	.0	3.4	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	4.9	8.1
SE	.0	1.2	.0	4.6	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	8.1	8.4
SSE	.0	.0	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	7.4
S	.0	.2	.0	2.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	2.7	9.1
SSW	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	1.5	9.3
SW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0
WSW	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.2	.0	1.5	33.5
W	.0	.0	.0	1.0	.0	.2	.0	.0	.0	.5	.0	.5	.0	.7	.0	2.9	20.2
WNW	.0	.0	.0	.5	.0	.5	.0	.0	.0	.2	.0	.2	.0	.2	.0	1.7	18.6
NW	.0	.2	.0	2.0	.0	.5	.0	.2	.0	2.4	.0	2.4	.0	.5	.1	8.3	20.2
NNW	.0	.2	.0	2.4	.0	2.0	.0	.7	.0	5.6	.0	5.1	.0	1.2	.1	17.4	21.8
CALM	.0	4.6													.0	4.6	
TOTAL	.1	10.3	.3	35.9	.1	10.0	.1	7.6	.2	20.0	.1	11.5	.0	4.6	.8	100	15.1

CTB CUT BANK, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 24137

NO. OBS.: 340

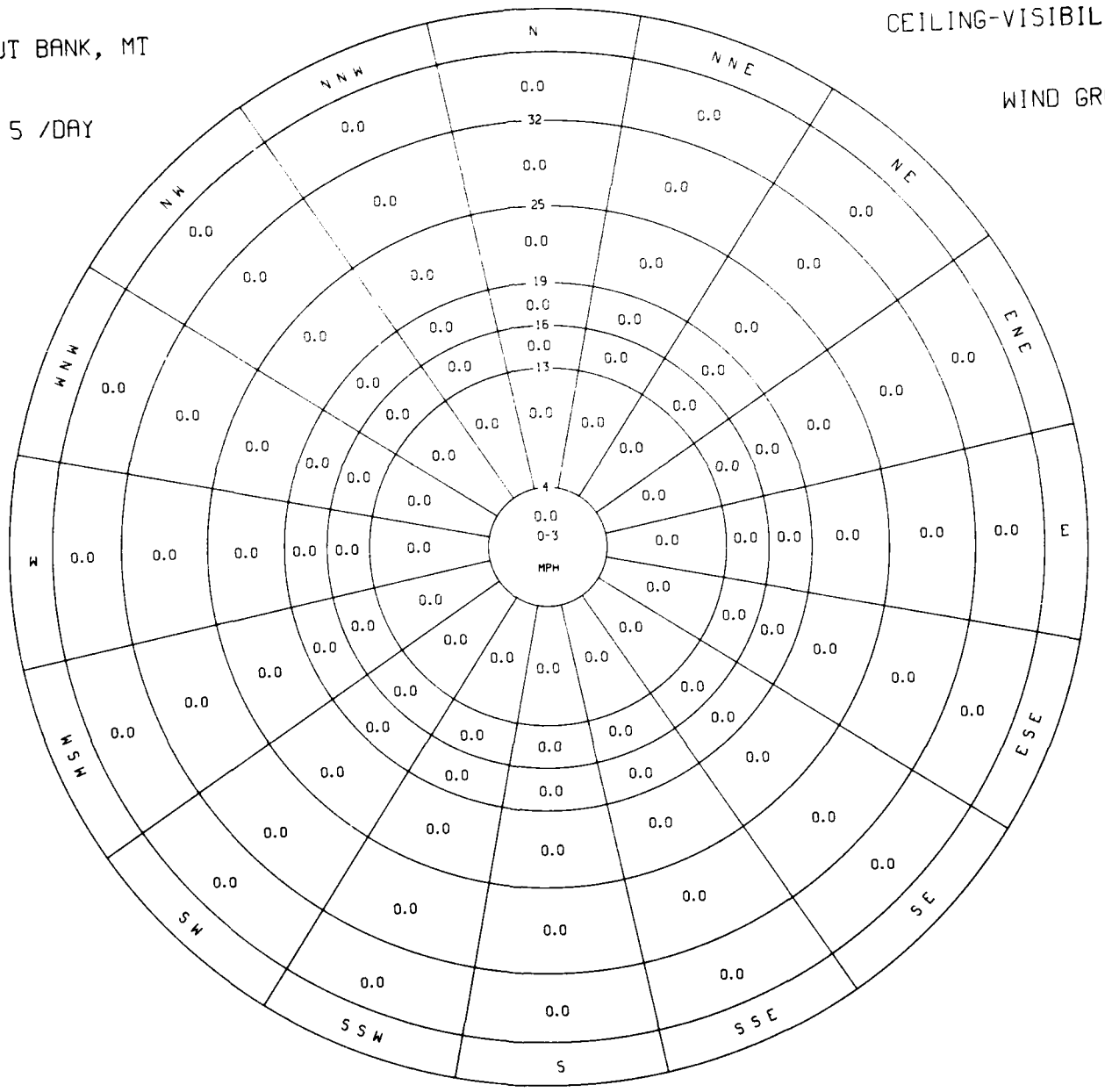
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.1	6.5	.0	2.9	.0	4.7	.0	5.3	.0	3.5	.0	1.2	.2	25.6	16.8
NNE	.0	.6	.0	3.5	.0	1.2	.0	.9	.0	.3	.0	.0	.0	.0	.1	6.5	10.5
NE	.0	.6	.0	3.2	.0	.6	.0	.0	.0	.0	.0	.3	.0	.0	.0	4.7	9.6
ENE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.8	11.0
E	.0	.9	.0	2.1	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	4.4	8.8
ESE	.0	.3	.0	2.9	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.5	8.6
SE	.0	2.1	.0	5.3	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1	8.2	7.2
SSE	.0	.3	.0	3.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	8.4
S	.0	1.5	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.2	5.9
SSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.5
SW	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.0	.6	29.0
WSW	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.5	.0	1.8	35.7
W	.0	.3	.0	.6	.0	.6	.0	.3	.0	.0	.0	.0	.0	.3	.0	2.1	13.7
WNW	.0	.6	.0	.6	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	1.8	10.0
NW	.0	.3	.0	.3	.0	.3	.0	.9	.0	.9	.0	1.5	.0	.9	.0	5.0	23.2
NNW	.0	.3	.0	2.1	.0	1.5	.0	1.2	.0	1.5	.0	3.5	.0	1.5	.1	11.5	20.9
CALM	.1	11.5													.1	11.5	
TOTAL	.2	20.6	.3	37.4	.1	9.7	.1	9.1	.1	8.8	.1	8.8	.1	5.6	.9	100	12.5

CTB CUT BANK, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 24137

NO. OBS.: 188

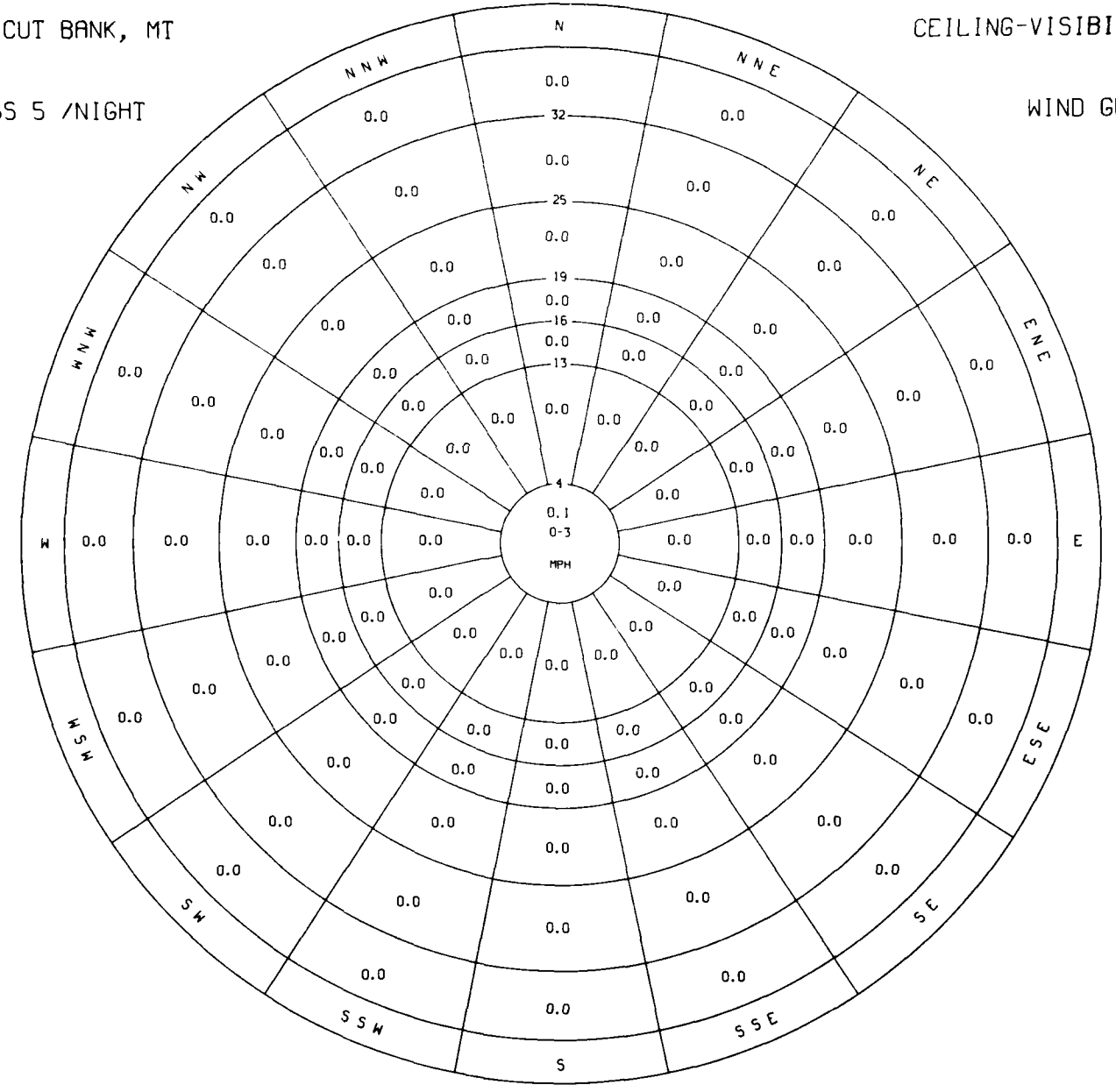
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.0	1.6	.0	1.1	.0	3.7	.0	9.0	.0	8.0	.0	2.1	.1	26.1	22.5
NNE	.0	.0	.0	.5	.0	.0	.0	.5	.0	.5	.0	.5	.0	.0	.0	2.1	19.7
NE	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	10.2
ENE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	8.0
E	.0	.5	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	7.6
ESE	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.7
SE	.0	2.7	.0	3.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	7.1
SSE	.0	.5	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.7
S	.0	1.6	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	6.4
SSW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.0
SW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.1	23.5
WSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	2.7	34.2
W	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.6	.0	2.7	35.0
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	2.1	15.7
NW	.0	.0	.0	.5	.0	.5	.0	1.1	.0	1.1	.0	4.8	.0	3.2	.0	11.2	26.9
NNW	.0	.5	.0	1.6	.0	1.1	.0	1.1	.0	3.7	.0	9.0	.0	3.2	.1	20.2	24.7
CALM	.0	4.8													.0	4.8	
TOTAL	.0	11.7	.1	24.5	.0	6.4	.0	6.4	.1	15.4	.1	22.9	.0	12.8	.4	100	18.7

CTB CUT BANK, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24137

NO. OBS.: 169

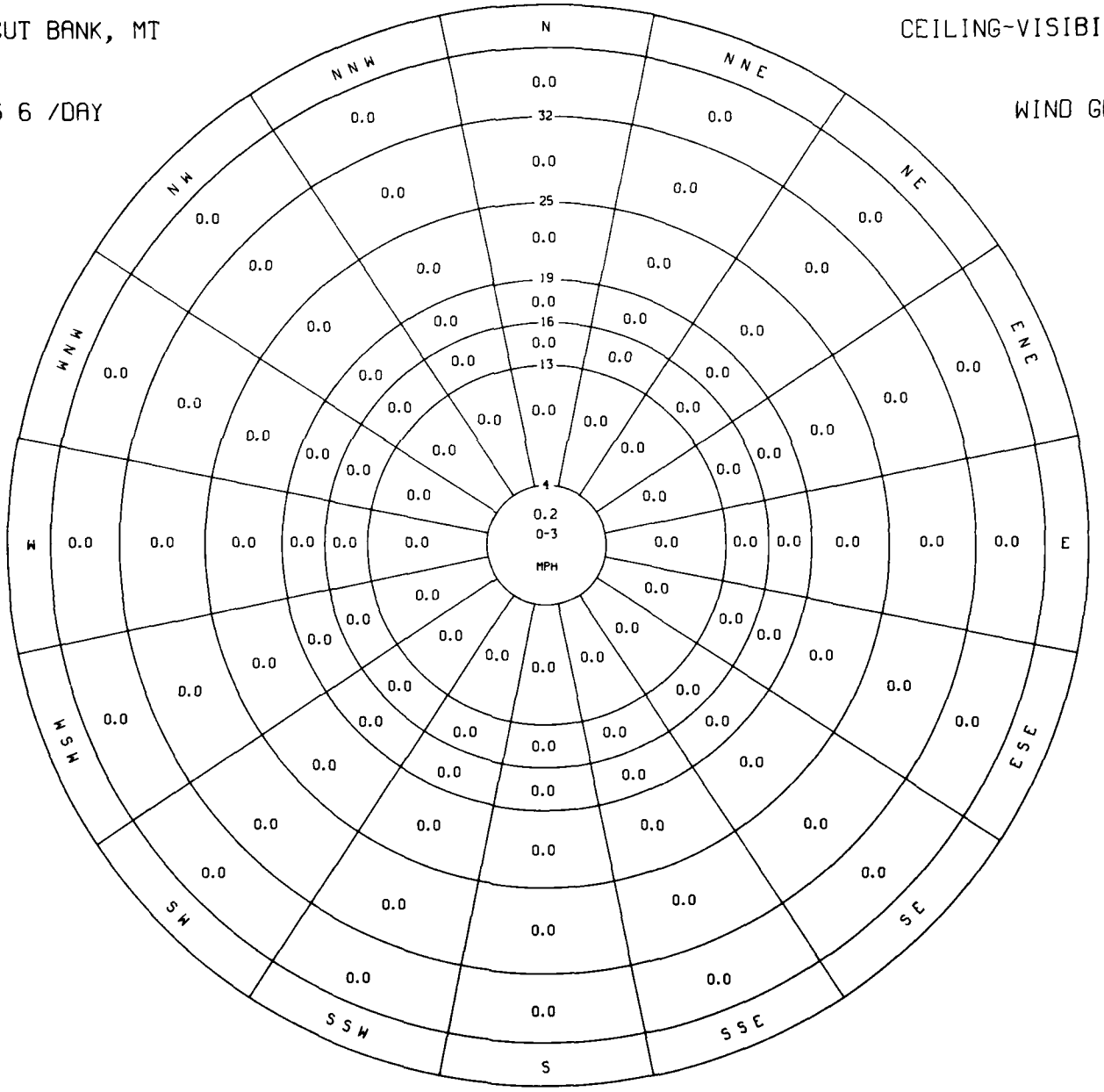
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.8	.0	7.1	.0	.6	.0	1.2	.0	3.6	.0	2.4	.0	1.8	.1	18.3	15.8
NNE	.0	.0	.0	2.4	.0	.6	.0	.6	.0	.0	.0	.6	.0	.0	.0	4.1	13.7
NE	.0	.0	.0	1.8	.0	.0	.0	1.2	.0	.6	.0	.0	.0	.6	.0	4.1	16.3
ENE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.5
E	.0	1.2	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.3
ESE	.0	.6	.0	5.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	7.0
SE	.0	1.2	.0	5.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	6.4
SSE	.0	2.4	.0	1.2	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	5.3	8.0
S	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.5
WSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.5
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	1.8	33.0
WNW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	.6	.0	2.4	16.7
NW	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	.0	3.6	13.6
NNW	.0	.6	.0	3.0	.0	.6	.0	1.8	.0	2.4	.0	3.6	.0	5.3	.1	17.2	23.9
CALM	.1	18.3													.1	18.3	
TOTAL	.1	27.2	.2	39.1	.0	4.1	.0	5.3	.0	7.1	.0	7.1	.0	10.1	.4	100	11.8

CTB CUT BANK, MT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 24137

NO. OBS.: 240

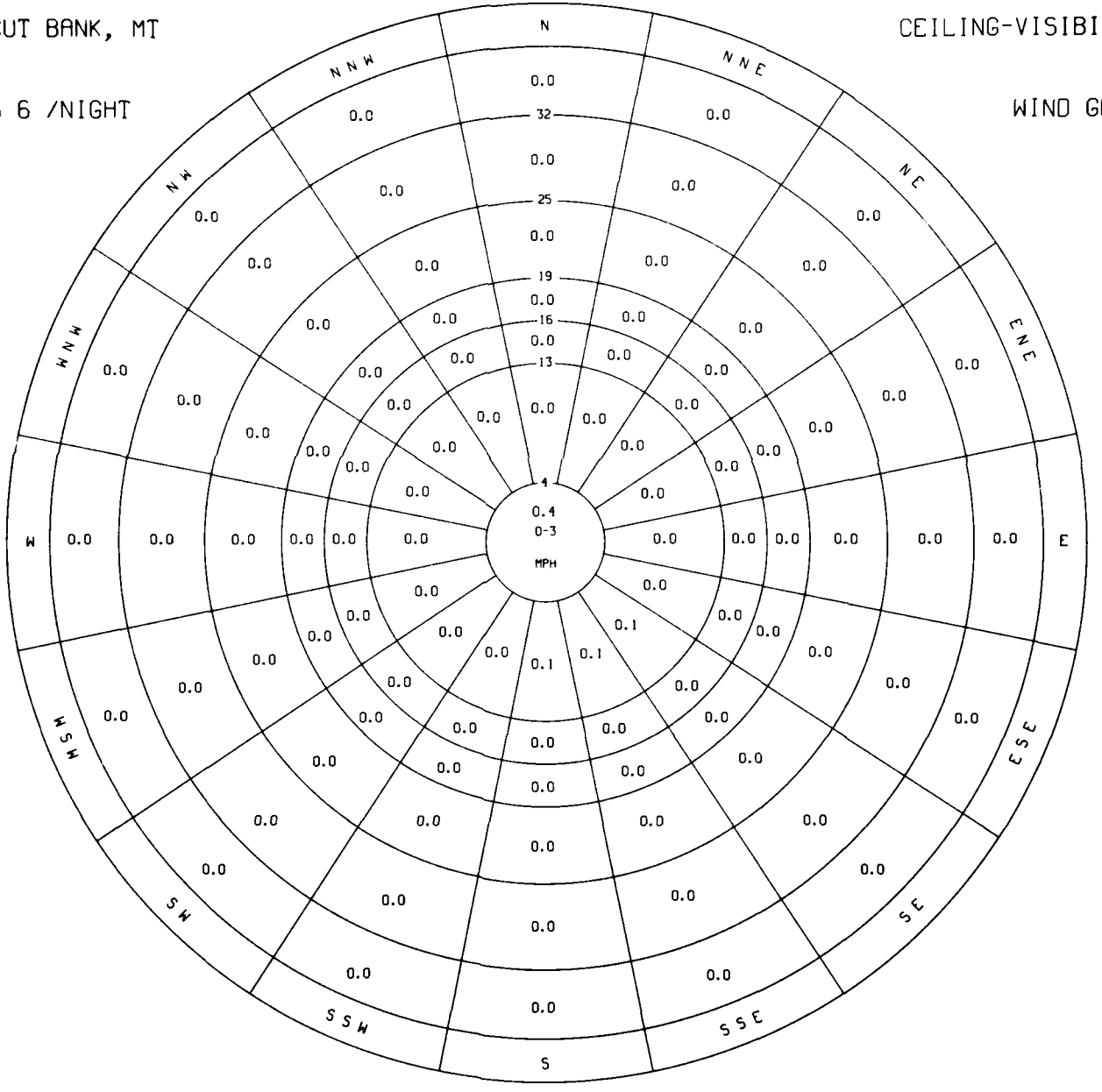
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.7	.0	.8	.0	.4	.0	.0	.0	2.1	.0	3.7	.0	8.7	25.4
NNE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.0
NE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.0
ENE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.0
E	.0	1.2	.0	2.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.7
ESE	.0	1.2	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.3
SE	.0	3.7	.0	10.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	15.4	6.0
SSE	.0	1.7	.0	7.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.2	8.1
S	.0	2.5	.0	9.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.7	6.2
SSW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.2
SW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.7	9.5
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.4	.0	.8	39.0
W	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	1.7	14.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.4	.0	2.1	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	.0	4.2	15.6
NNW	.0	.4	.0	.8	.0	.0	.0	.8	.0	.4	.0	.4	.0	5.4	.0	8.3	29.4
CALM	.1	22.1													.1	22.1	
TOTAL	.2	35.0	.2	44.6	.0	3.7	.0	1.2	.0	1.7	.0	2.9	.0	10.8	.5	100	9.5

CTB CUT BANK, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CTB CUT BANK, MT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24137

NO. OBS.: 324

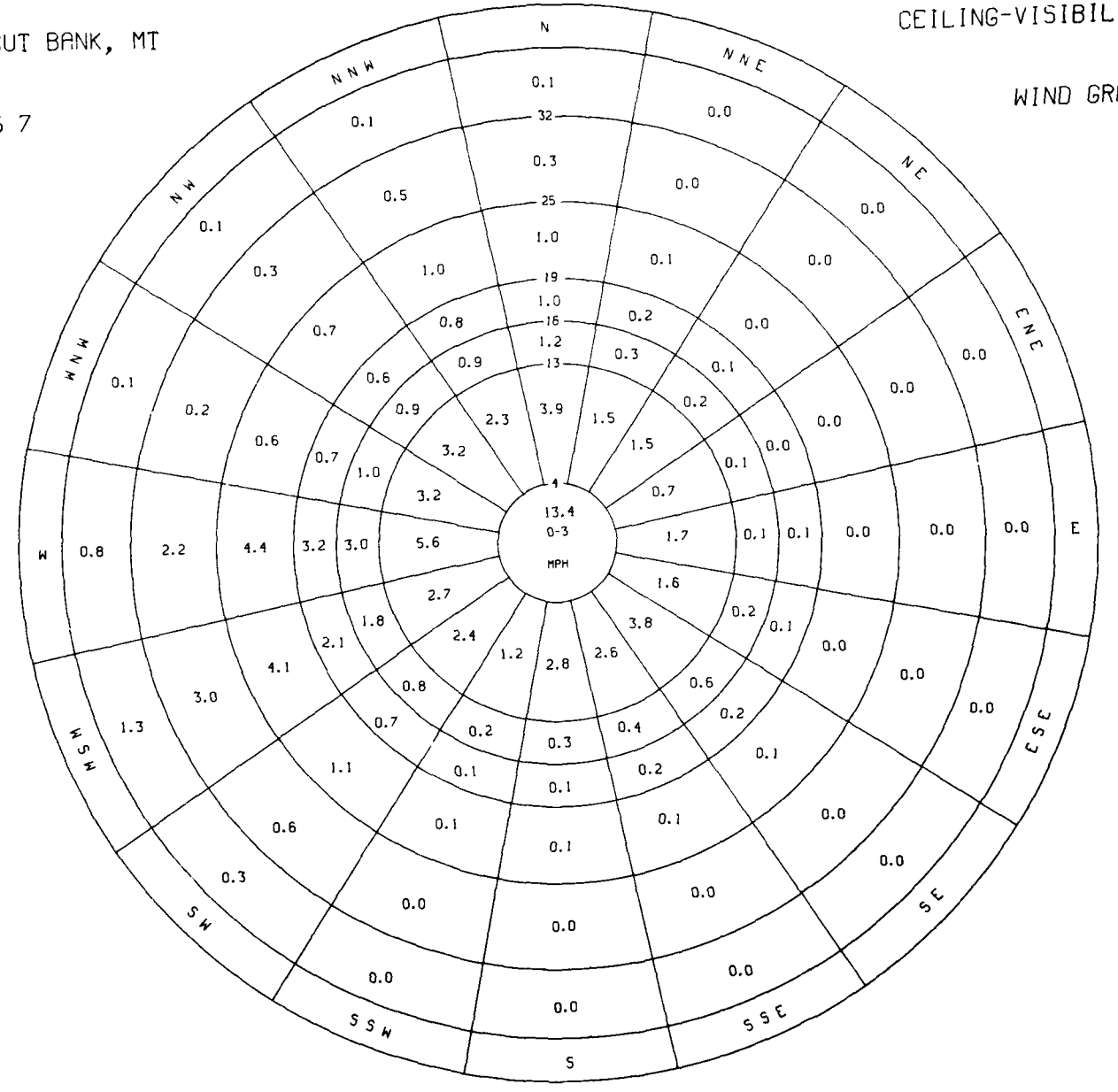
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.5	.0	4.9	.0	.6	.0	.0	.0	.6	.0	.6	.0	1.9	.1	11.1	13.4
NNE	.0	.6	.0	.6	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.9	8.8
NE	.0	2.2	.0	.3	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	3.4	7.1
ENE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.9
E	.0	.3	.0	2.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.8
ESE	.0	.6	.0	2.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.9
SE	.0	5.6	.1	8.3	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.1	14.8	6.0
SSE	.0	1.5	.1	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.2	6.7
S	.0	2.5	.1	7.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.9	6.3
SSW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.5
SW	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.4
WSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.0
W	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.7
WNW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0
NW	.0	1.2	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.0	.9	.0	3.1	15.5
NNW	.0	.0	.0	1.5	.0	.0	.0	.3	.0	.6	.0	.9	.0	3.4	.1	6.8	26.6
CALM	.2	24.1													.2	24.1	
TOTAL	.4	44.4	.4	42.0	.0	2.8	.0	.9	.0	2.2	.0	1.5	.1	6.2	.9	100	7.2

CTB CUT BANK, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

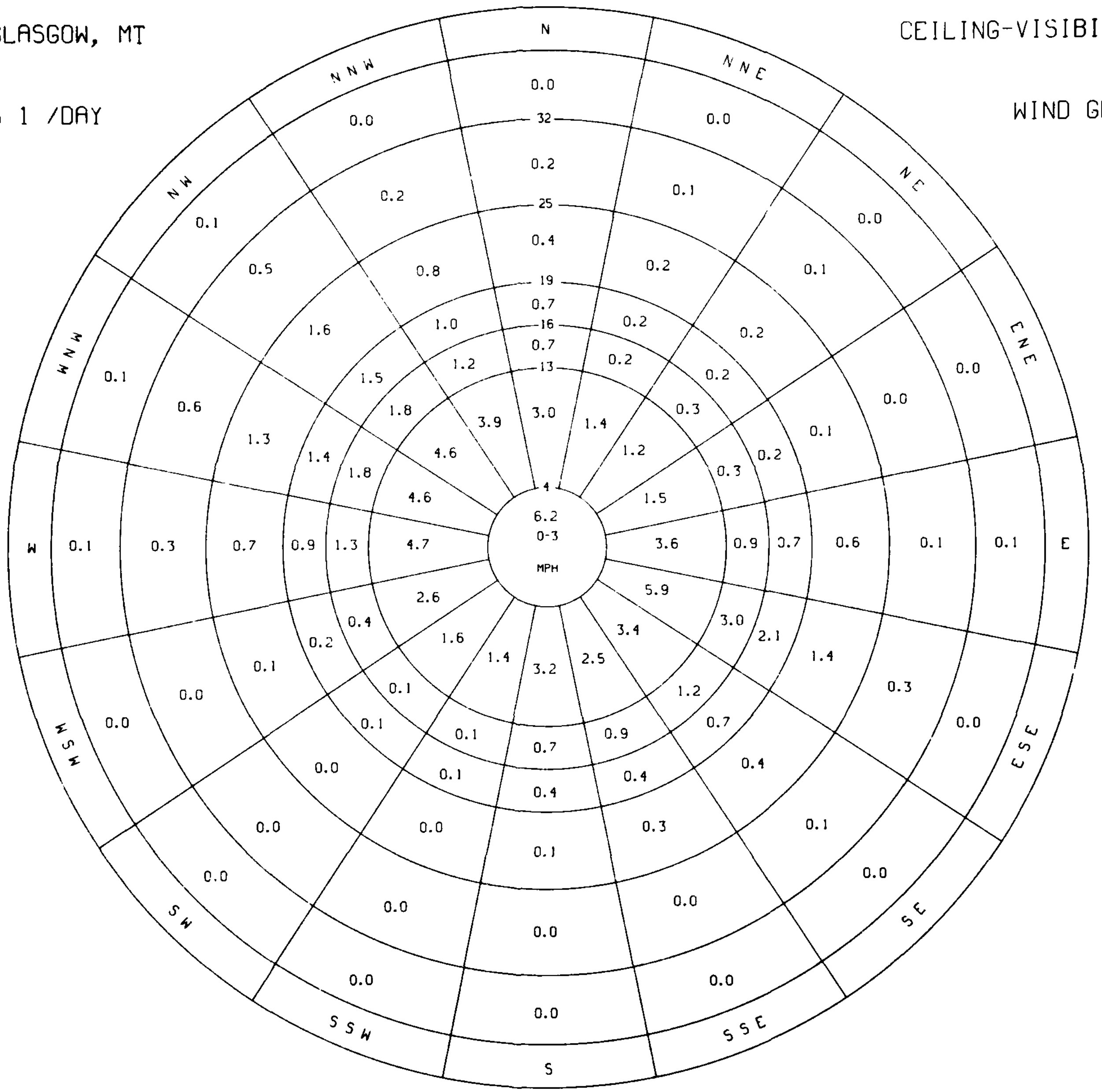


GGW GLASGOW, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-N

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 1 / DAY

STATION NUMBER: 94008

NO. OBS.: 15431

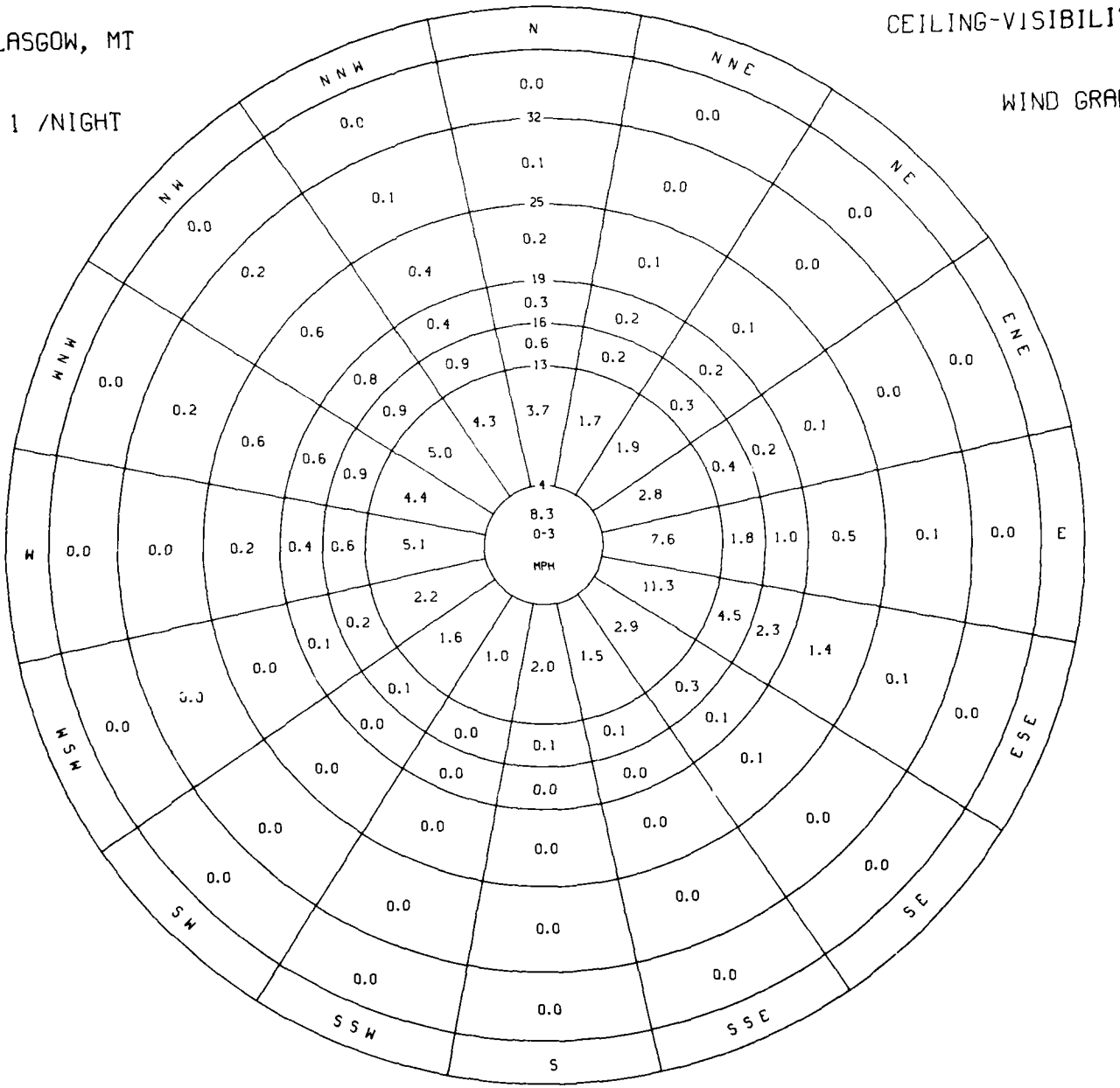
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.2	.2	3.0	3.3	.7	.8	.7	.7	.4	.5	.2	.2	.0	.0	5.2	5.7	11.4
NNE	.1	.1	1.4	1.5	.2	.3	.2	.2	.2	.2	.1	.1	.0	.0	2.1	2.3	10.5
NE	.2	.2	1.2	1.4	.3	.3	.2	.2	.2	.2	.1	.1	.0	.0	2.2	2.4	11.0
ENE	.2	.2	1.5	1.6	.3	.3	.2	.2	.1	.2	.0	.0	.0	.0	2.4	2.6	10.1
E	.1	.2	3.6	3.9	.9	1.0	.7	.8	.6	.6	.1	.2	.1	.1	6.1	6.6	12.0
ESE	.1	.2	5.9	6.4	3.0	3.2	2.1	2.3	1.4	1.5	.3	.3	.0	.0	12.8	13.9	13.1
SE	.1	.1	3.4	3.7	1.2	1.3	.7	.7	.4	.4	.1	.1	.0	.0	5.9	6.4	11.4
SSE	.2	.2	2.5	2.7	.9	1.0	.4	.5	.3	.3	.0	.0	.0	.0	4.4	4.8	10.8
S	.3	.3	3.2	3.4	.7	.8	.4	.4	.1	.2	.0	.0	.0	.0	4.7	5.1	9.5
SSW	.1	.1	1.4	1.5	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	1.9	8.3
SW	.2	.2	1.6	1.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.3	8.1
WSW	.3	.3	2.6	2.8	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.7	4.0	9.3
W	.4	.4	4.7	5.1	1.3	1.4	.9	1.0	.7	.8	.3	.4	.1	.1	8.5	9.2	11.7
WNW	.3	.3	4.6	5.0	1.8	2.0	1.4	1.5	1.3	1.4	.6	.6	.1	.1	10.0	10.9	13.5
NW	.3	.3	4.6	5.0	1.8	1.9	1.5	1.6	1.6	1.8	.5	.6	.1	.1	10.3	11.2	13.7
NNW	.3	.3	3.9	4.2	1.2	1.3	1.0	1.1	.8	.9	.2	.2	.0	.0	7.4	8.0	12.1
CALM	2.7	3.0													2.7	3.0	
TOTAL	6.2	6.7	48.9	53.1	15.1	16.4	10.8	11.8	8.3	9.0	2.5	2.7	.4	.4	92.2	100	11.5

GGW GLASGOW, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

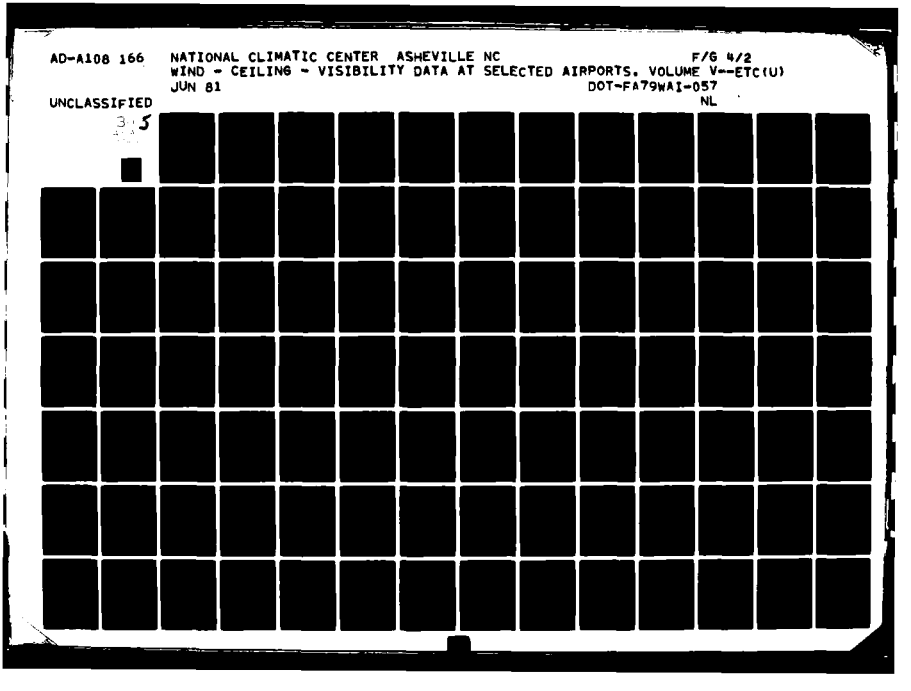
CLASS 1 / NIGHT

STATION NUMBER: 94008

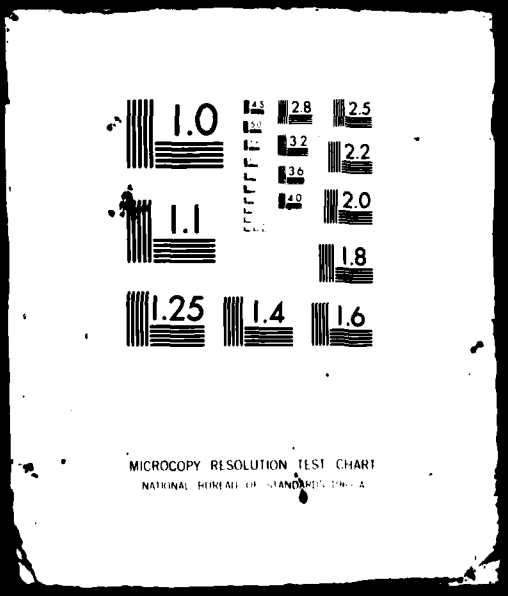
NO. OBS.: 11388

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.4	3.7	4.1	.6	.6	.3	.3	.2	.2	.1	.1	.0	.0	5.2	5.7	9.4
NNE	.2	.2	1.7	1.9	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.5	2.8	9.6
NE	.1	.1	1.9	2.1	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.6	2.9	9.9
ENE	.1	.1	2.8	3.1	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.8	4.1	9.9
E	.2	.2	7.6	8.4	1.8	1.9	1.0	1.1	.5	.6	.1	.1	.0	.0	11.2	12.3	11.2
ESE	.2	.2	11.3	12.3	4.5	4.9	2.3	2.5	1.4	1.6	.1	.1	.0	.0	19.8	21.7	12.0
SE	.2	.2	2.9	3.1	.3	.4	.1	.1	.1	.1	.0	.0	.0	.0	3.6	3.9	9.1
SSE	.2	.2	1.5	1.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.0	7.6
S	.3	.3	2.0	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4	2.7	6.7
SSW	.2	.2	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	6.5
SW	.2	.2	1.6	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.1	6.9
WSW	.3	.3	2.2	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.0	7.3
W	.4	.4	5.1	5.6	.6	.6	.4	.4	.2	.2	.0	.1	.0	.0	6.7	7.4	8.7
WNW	.4	.4	4.4	4.8	.9	1.0	.6	.7	.6	.6	.2	.2	.0	.0	7.1	7.7	10.6
NW	.5	.5	5.0	5.4	.9	1.0	.8	.9	.6	.7	.2	.2	.0	.0	8.1	8.8	10.8
NNW	.3	.4	4.3	4.7	.9	.9	.4	.5	.4	.4	.1	.1	.0	.0	6.4	7.0	10.0
CALM	4.4	4.8													4.4	4.8	
TOTAL	8.3	9.1	59.1	64.7	11.8	12.9	6.7	7.3	4.4	4.8	.9	1.0	.1	.1	91.3	100	9.7

AD-A108 166 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057
UNCLASSIFIED NL



3 OF 5
AD-A
108166

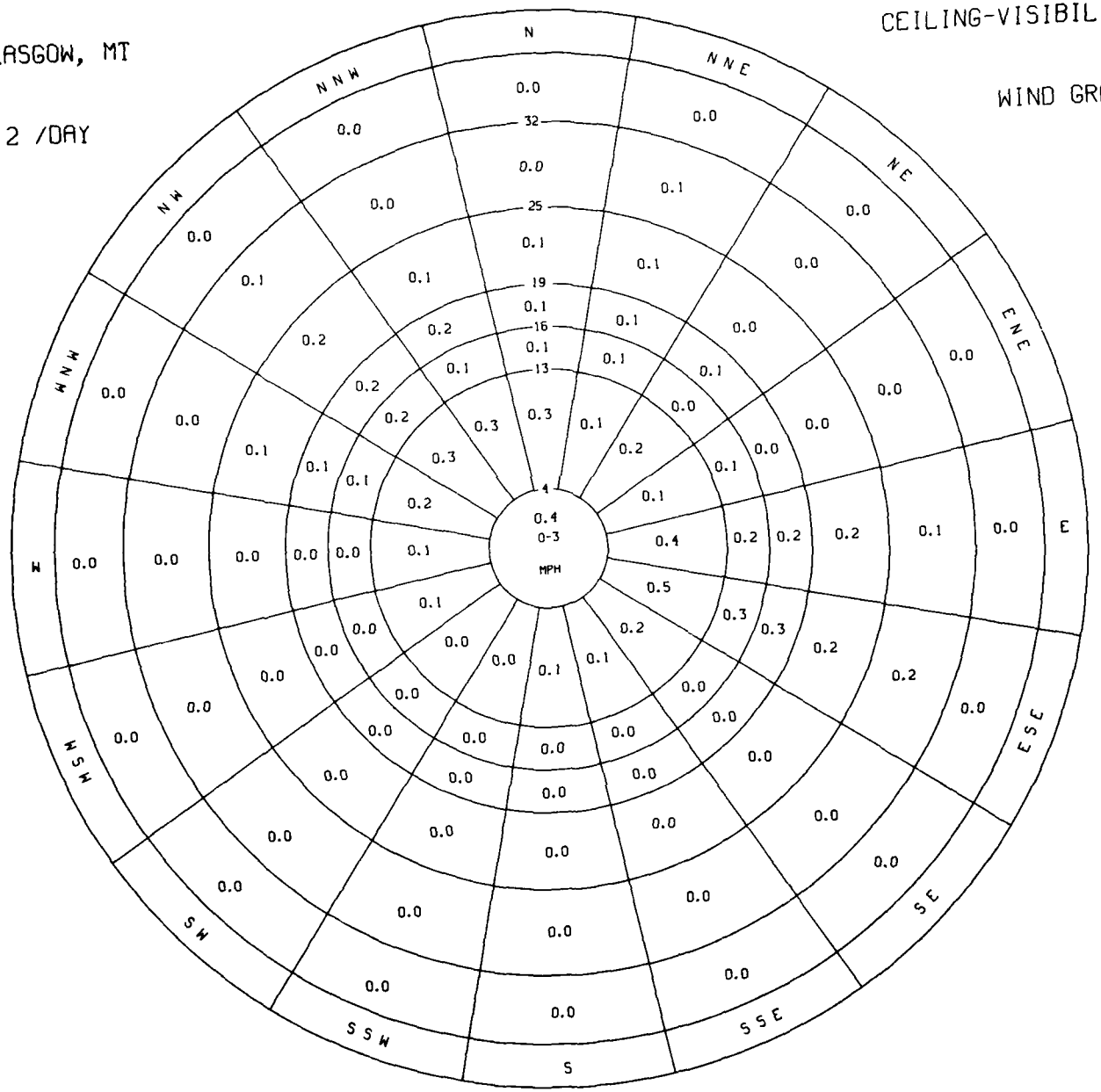


GGW GLASGOW, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 2 / DAY

STATION NUMBER: 94008

NO. OBS.: 1309

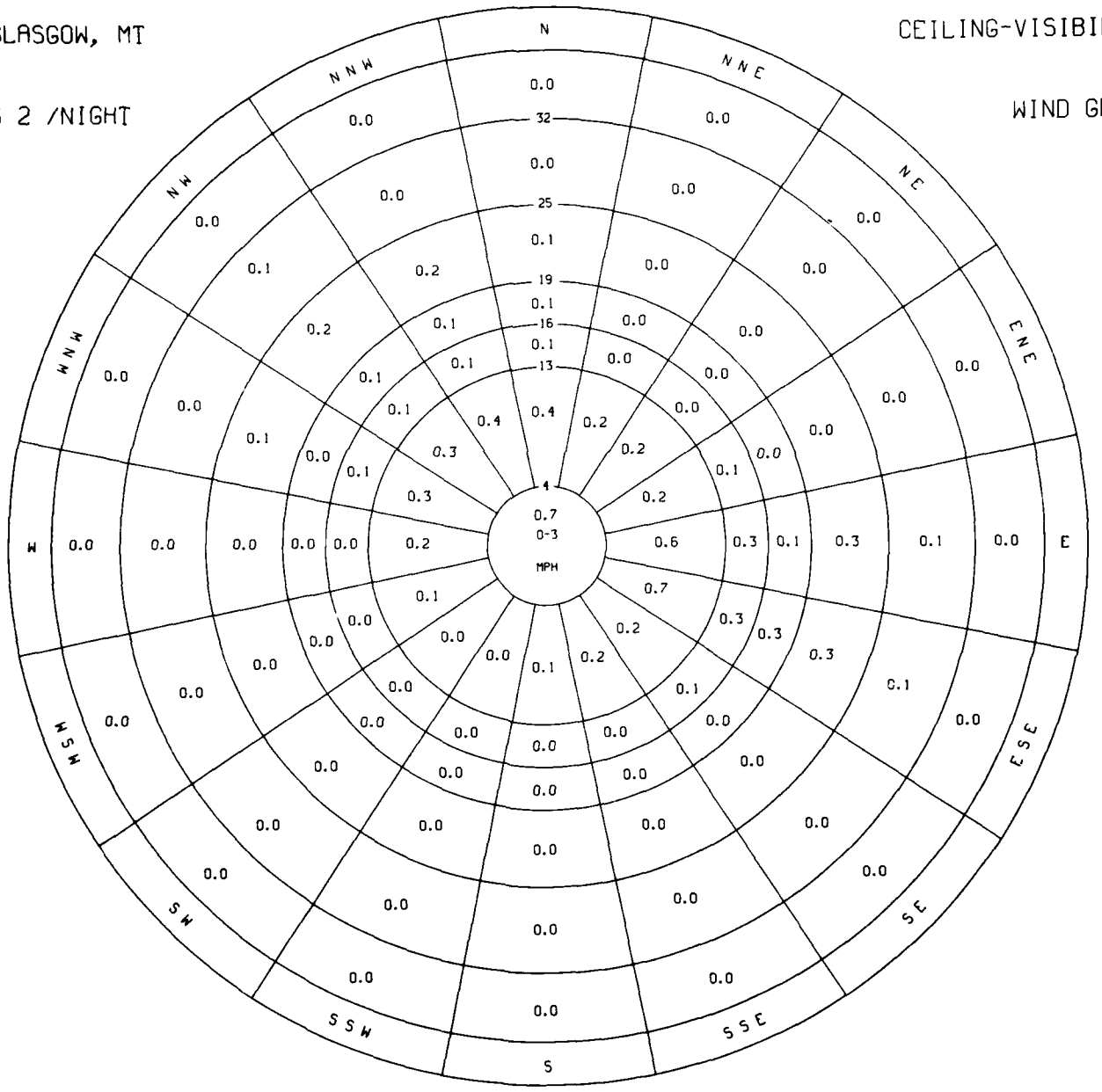
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.3	3.3	.1	1.8	.1	1.8	.1	1.4	.0	.4	.0	.1	.7	8.6	14.6
NNE	.0	.2	.1	1.3	.1	.7	.1	.7	.1	.8	.1	.8	.0	.0	.3	4.4	15.9
NE	.0	.1	.2	2.4	.0	.6	.1	.8	.0	.4	.0	.2	.0	.2	.4	4.7	13.6
ENE	.0	.1	.1	1.8	.1	.9	.0	.4	.0	.5	.0	.2	.0	.0	.3	3.9	12.8
E	.0	.5	.4	4.5	.2	2.2	.2	2.9	.2	2.7	.1	1.1	.0	.1	1.1	14.0	15.2
ESE	.0	.5	.5	6.1	.3	3.7	.3	3.4	.2	3.1	.2	2.6	.0	.4	1.6	19.9	16.1
SE	.0	.1	.2	2.8	.0	.6	.0	.2	.0	.2	.0	.0	.0	.0	.3	3.9	9.9
SSE	.0	.2	.1	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	7.8
S	.0	.1	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	7.7
SSW	.0	.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.0
SW	.0	.2	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	.8	8.1
WSW	.0	.2	.1	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.5	7.8
W	.0	.2	.1	1.9	.0	.3	.0	.5	.0	.2	.0	.1	.0	.1	.3	3.3	11.6
WNW	.0	.2	.2	2.4	.	1.1	.1	1.1	.1	1.7	.0	.4	.0	.2	.6	7.2	15.0
NW	.0	.1	.3	3.7	.2	2.0	.2	2.6	.2	2.0	.1	.8	.0	.4	.9	11.5	16.0
NNW	.0	.2	.3	3.8	.1	1.4	.2	2.7	.1	1.6	.0	.6	.0	.1	.8	10.3	14.9
CALM	.2	2.9													.2	2.9	
TOTAL	.4	5.4	3.0	38.2	1.2	16.0	1.3	17.2	1.1	14.5	.6	7.2	.1	1.5	7.8	100	14.0

GGW GLASGOW, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 2 / NIGHT

STATION NUMBER: 94008

NO. OBS.: 1080

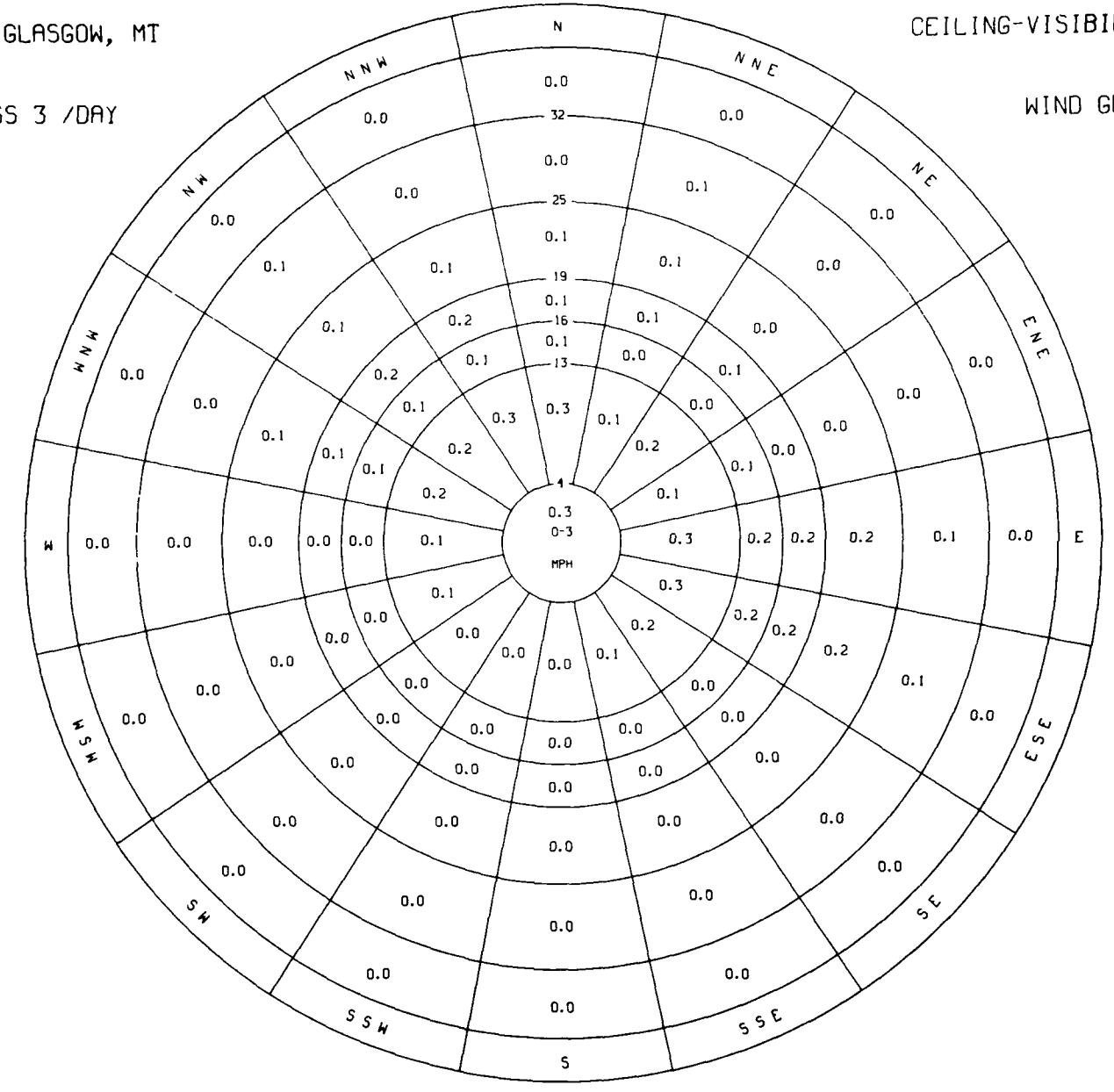
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.4	4.3	.1	1.3	.1	1.3	.1	1.0	.0	.1	.0	.1	.7	8.5	12.3
NNE	.0	.4	.2	2.4	.0	.3	.0	.5	.0	.6	.0	.1	.0	.1	.4	4.3	11.7
NE	.0	.2	.2	1.9	.0	.6	.0	.3	.0	.6	.0	.1	.0	.1	.3	3.7	13.1
ENE	.0	.2	.2	2.3	.1	1.1	.0	.3	.0	.6	.0	.2	.0	.3	.4	4.9	13.4
E	.0	.4	.6	6.4	.3	3.2	.1	1.7	.3	3.1	.1	.9	.0	.0	1.4	15.7	14.2
ESE	.0	.2	.7	8.0	.3	3.3	.3	3.6	.3	3.5	.1	1.7	.0	.5	1.8	20.7	15.3
SE	.0	.5	.2	2.9	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.4	4.2	8.5
SSE	.0	.1	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.9	7.5
S	.0	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	6.7
SSW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.3
SW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.8
WSW	.0	.4	.1	.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.3	7.4
W	.0	.1	.2	2.1	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.2	2.9	9.1
WNW	.0	.3	.3	3.0	.1	.9	.0	.6	.1	.7	.0	.4	.0	.0	.5	5.8	12.5
NW	.0	.5	.3	3.8	.1	1.7	.1	1.3	.2	1.9	.1	1.3	.0	.1	.9	10.5	14.8
NNW	.0	.3	.4	5.0	.1	1.7	.1	1.6	.2	1.9	.0	.3	.0	.0	.9	10.6	13.0
CALM	.3	3.5													.3	3.5	
TOTAL	.7	7.7	4.0	45.6	1.3	15.1	1.0	11.4	1.2	14.0	.4	5.1	.1	1.1	8.7	100	12.7

GGW GLASGOW, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 3 / DAY

STATION NUMBER: 94008

NO. OBS.: 1104

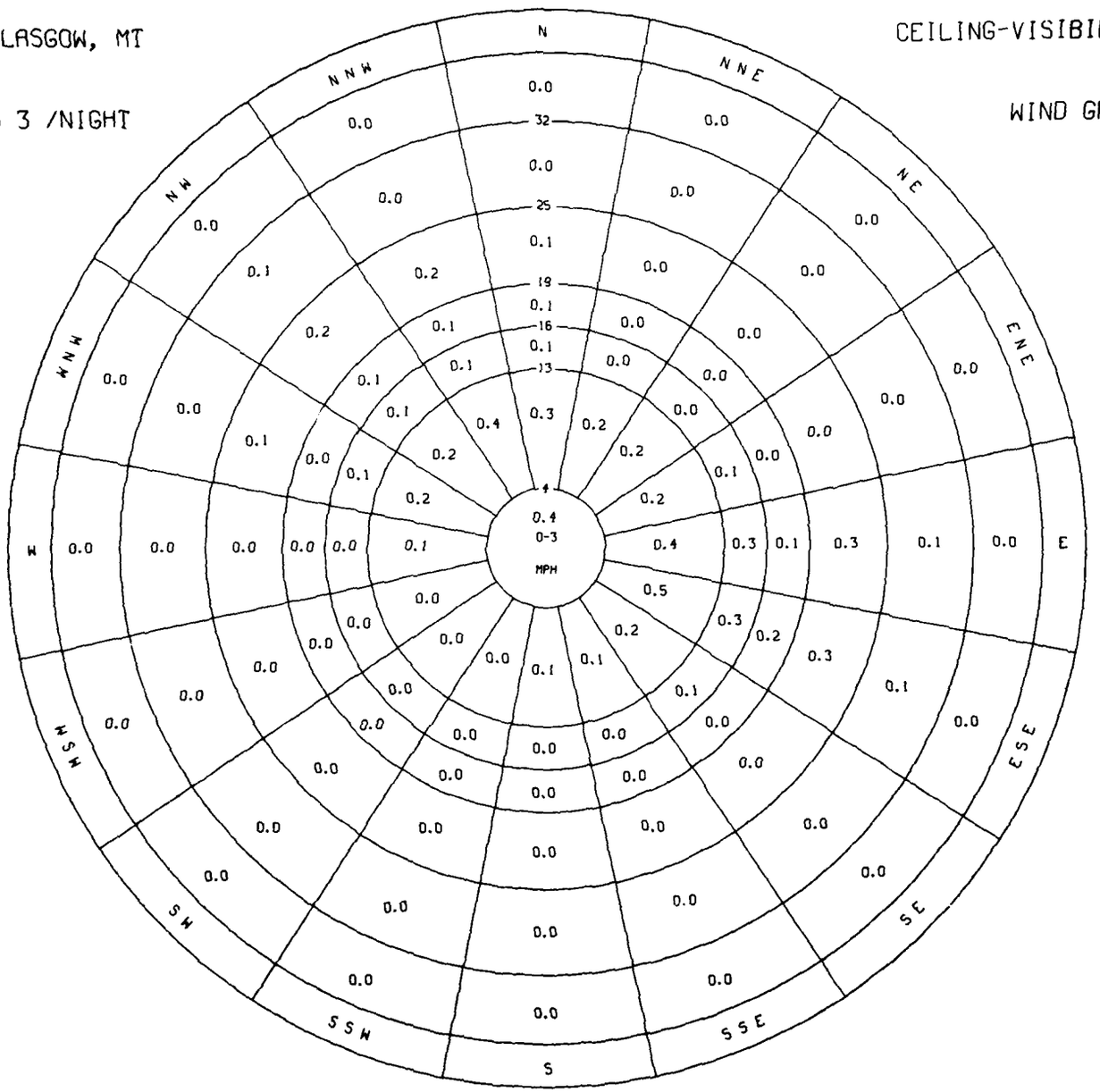
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.3	3.8	.1	2.1	.1	1.8	.1	1.6	.0	.4	.0	.1	.6	9.8	14.4
NNE	.0	.1	.1	1.5	.0	.6	.1	.8	.1	.9	.1	.8	.0	.0	.3	4.8	15.9
NE	.0	.1	.2	2.7	.0	.7	.1	.8	.0	.5	.0	.2	.0	.3	.3	5.3	13.4
ENE	.0	.1	.1	2.1	.1	1.1	.0	.4	.0	.4	.0	.2	.0	.0	.3	4.2	12.1
E	.0	.3	.3	4.6	.2	2.4	.2	3.2	.2	2.7	.1	1.2	.0	.1	.9	14.4	15.4
ESE	.0	.5	.3	5.3	.2	3.5	.2	3.2	.2	2.9	.1	1.5	.0	.0	1.1	16.8	15.2
SE	.0	.1	.2	2.4	.0	.5	.0	.3	.0	.2	.0	.0	.0	.0	.2	3.5	10.3
SSE	.0	.1	.1	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	8.7
S	.0	.0	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	8.6
SSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	8.2
SW	.0	.1	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	.8	8.8
WSW	.0	.2	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.6	7.5
W	.0	.2	.1	1.9	.0	.4	.0	.5	.0	.2	.0	.0	.0	.1	.2	3.3	11.3
WNW	.0	.2	.2	2.5	.1	1.2	.1	1.2	.1	1.9	.0	.5	.0	.3	.5	7.7	15.4
NW	.0	.0	.2	3.4	.1	2.3	.2	2.9	.1	2.2	.1	.8	.0	.3	.8	11.9	16.3
NNW	.0	.1	.3	4.1	.1	1.6	.2	3.2	.1	1.9	.0	.6	.0	.1	.8	11.6	15.2
CALM	.1	2.2													.1	2.2	
TOTAL	.3	4.1	2.5	37.9	1.1	17.0	1.2	18.4	1.0	15.3	.4	6.2	.1	1.2	6.6	100	14.2

GGW GLASGOW, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 3 / NIGHT

STATION NUMBER: 94008

NO. OBS.: 889

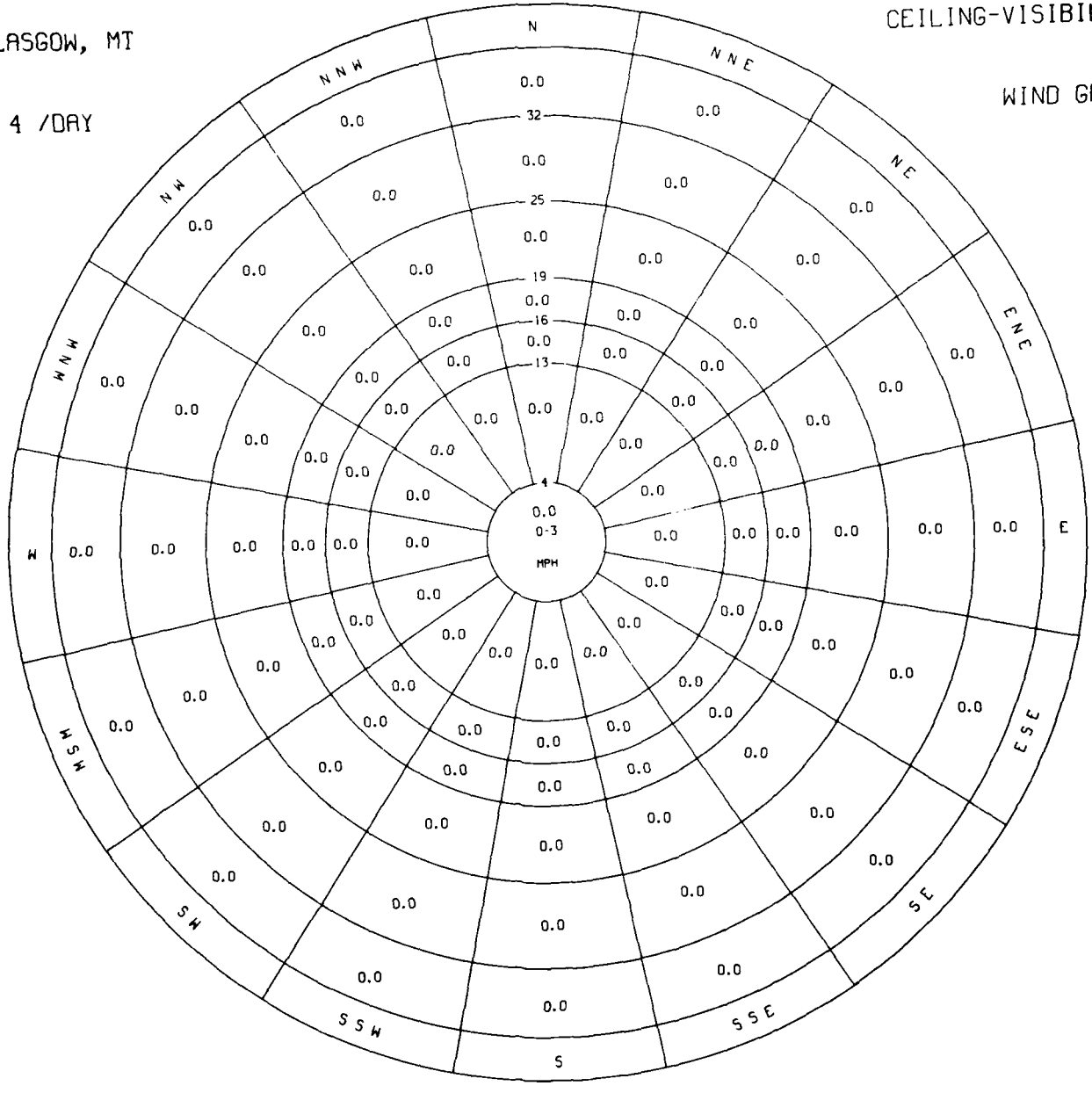
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.3	4.4	.1	1.6	.1	1.6	.1	1.1	.0	.0	.0	.1	.6	9.0	12.8
NNE	.0	.2	.2	2.6	.0	.3	.0	.4	.0	.7	.0	.1	.0	.1	.3	4.5	12.4
NE	.0	.2	.2	2.1	.0	.7	.0	.3	.0	.6	.0	.1	.0	.1	.3	4.2	13.2
ENE	.0	.0	.2	2.8	.1	1.2	.0	.2	.0	.7	.0	.2	.0	.3	.4	5.5	13.8
E	.0	.2	.4	6.3	.3	3.6	.1	1.9	.3	3.6	.1	1.0	.0	.0	1.2	16.6	14.6
ESE	.0	.1	.5	6.7	.3	3.6	.2	3.5	.3	3.6	.1	1.3	.0	.0	1.3	18.9	15.2
SE	.0	.2	.2	2.1	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.3	9.5
SSE	.0	.0	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	8.0
S	.0	.1	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.7
SSW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.3
SW	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.0
WSW	.0	.3	.0	.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.2	7.9
W	.0	.1	.1	1.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.2	2.6	9.1
WNW	.0	.3	.2	3.0	.1	1.1	.0	.7	.1	.8	.0	.4	.0	.0	.5	6.4	12.9
NW	.0	.3	.2	3.4	.1	1.8	.1	1.6	.2	2.1	.1	1.3	.0	.1	.8	10.7	15.7
NNW	.0	.3	.4	5.2	.1	1.9	.1	1.8	.2	2.1	.0	.3	.0	.0	.8	11.7	13.4
CALM	.2	2.5													.2	2.5	
TOTAL	.4	5.4	3.1	43.9	1.2	17.0	.9	12.5	1.1	15.5	.4	4.9	.1	.8	7.1	100	13.2

GGW GLASGOW, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 4 / DAY

STATION NUMBER: 94008

NO. OBS.: 94

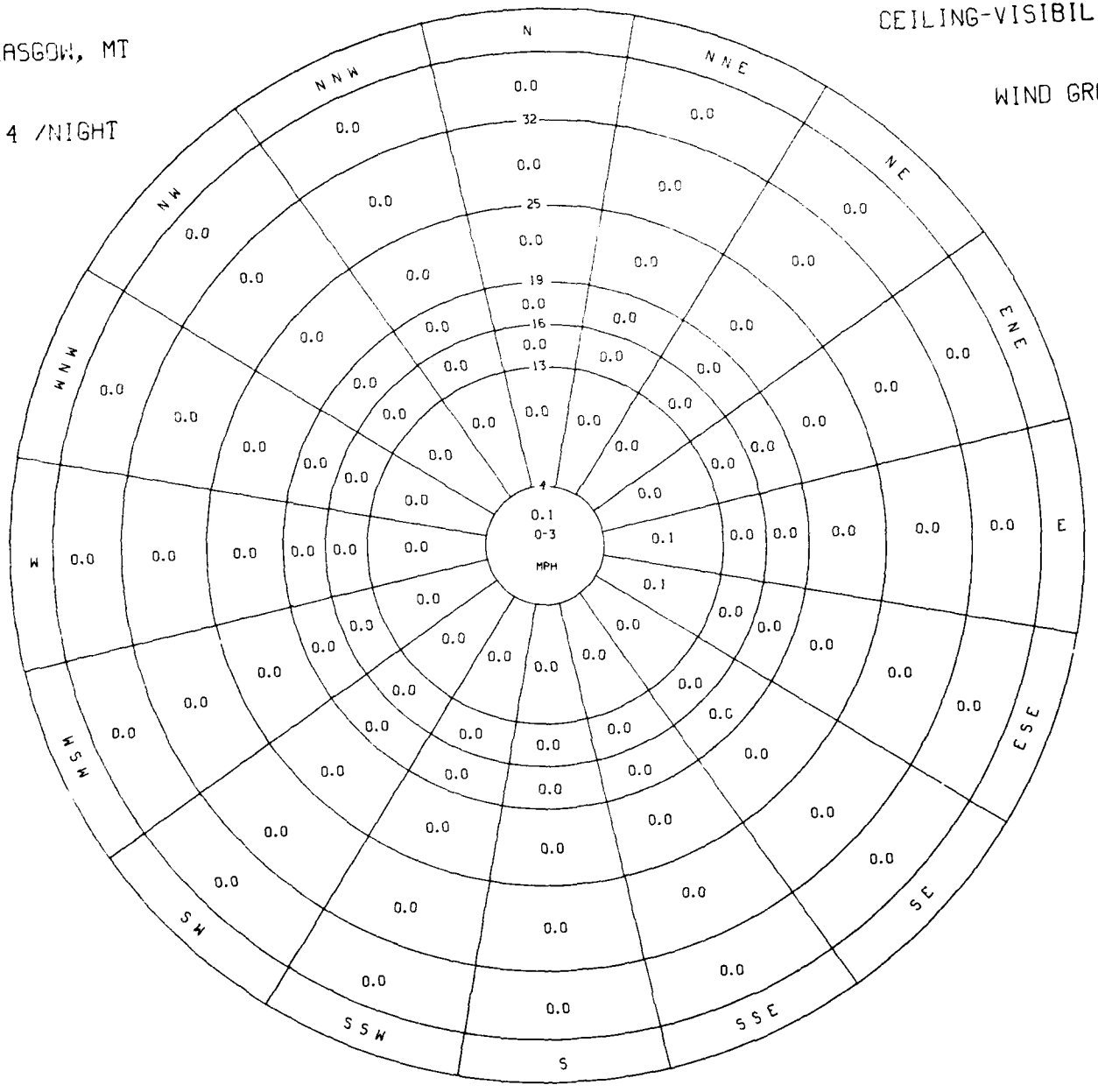
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	2.1	16.5
NNE	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	2.1	21.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	29.0
ENE	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	3.2	17.0
E	.0	1.1	.0	4.3	.0	3.2	.0	2.1	.0	4.3	.0	2.1	.0	.0	.1	17.0	15.6
ESE	.0	.0	.0	6.4	.0	5.3	.0	7.4	.0	4.3	.0	7.4	.0	2.1	.2	33.0	19.6
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.5
SSE	.0	1.1	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	7.0
S	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.5
SSW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.0
SW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
WSW	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	10.5
W	.0	.0	.0	2.1	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	4.3	12.0
WNW	.0	.0	.0	2.1	.0	2.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	5.3	11.8
NW	.0	.0	.0	5.3	.0	1.1	.0	2.1	.0	2.1	.0	.0	.0	2.1	.1	12.8	16.3
NNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	3.2	13.3
CALM	.0	2.1													.0	2.1	
TOTAL	.0	5.3	.2	34.0	.1	13.8	.1	17.0	.1	11.7	.1	13.8	.0	4.3	.6	100	15.5

GGW GLASGOW, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 4 / NIGHT

STATION NUMBER: 94008

NO. OBS.: 90

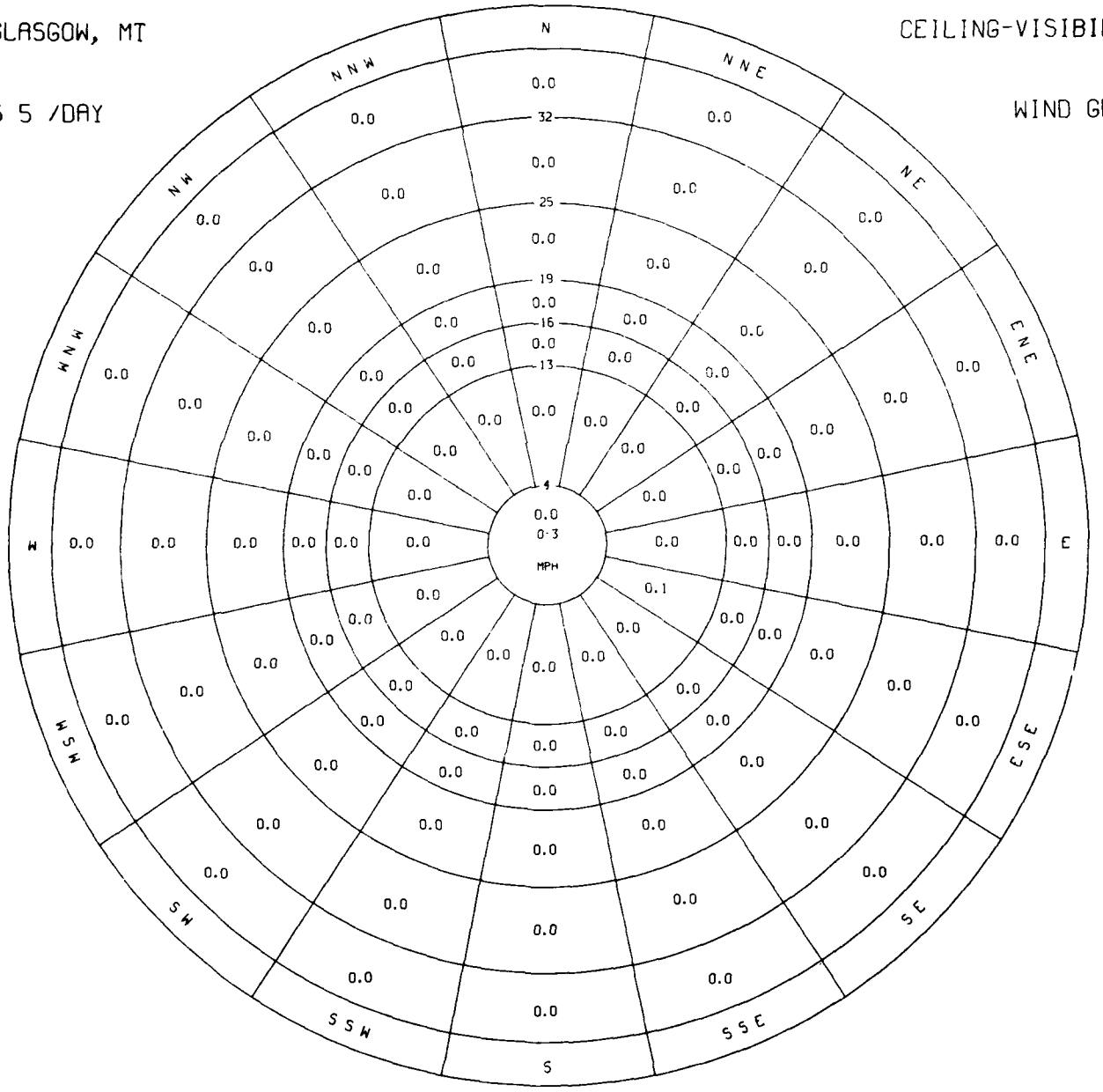
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.2	.0	3.3	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	6.7	8.3
NNE	.0	.0	.0	2.2	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	3.3	11.0
NE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	2.2	14.5
ENE	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.2	14.5
E	.0	.0	.1	8.9	.0	2.2	.0	1.1	.0	2.2	.0	1.1	.0	.0	.1	15.6	13.5
ESE	.0	.0	.1	15.6	.0	1.1	.0	4.4	.0	5.6	.0	2.2	.0	.0	.2	28.9	14.0
SE	.0	1.1	.0	5.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	7.9
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
W	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	5.6	10.4
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
NW	.0	1.1	.0	4.4	.0	1.1	.0	.0	.0	1.1	.0	2.2	.0	.0	.1	10.0	13.0
NNW	.0	.0	.0	3.3	.0	1.1	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	6.7	12.3
CALM	.1	7.8													.1	7.8	
TOTAL	.1	12.2	.4	52.2	.1	7.8	.1	8.9	.1	11.1	.1	7.8	.0	.0	.7	100	11.3

GGW GLASGOW, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 5 / DAY

STATION NUMBER: 94008

NO. OBS.: 59

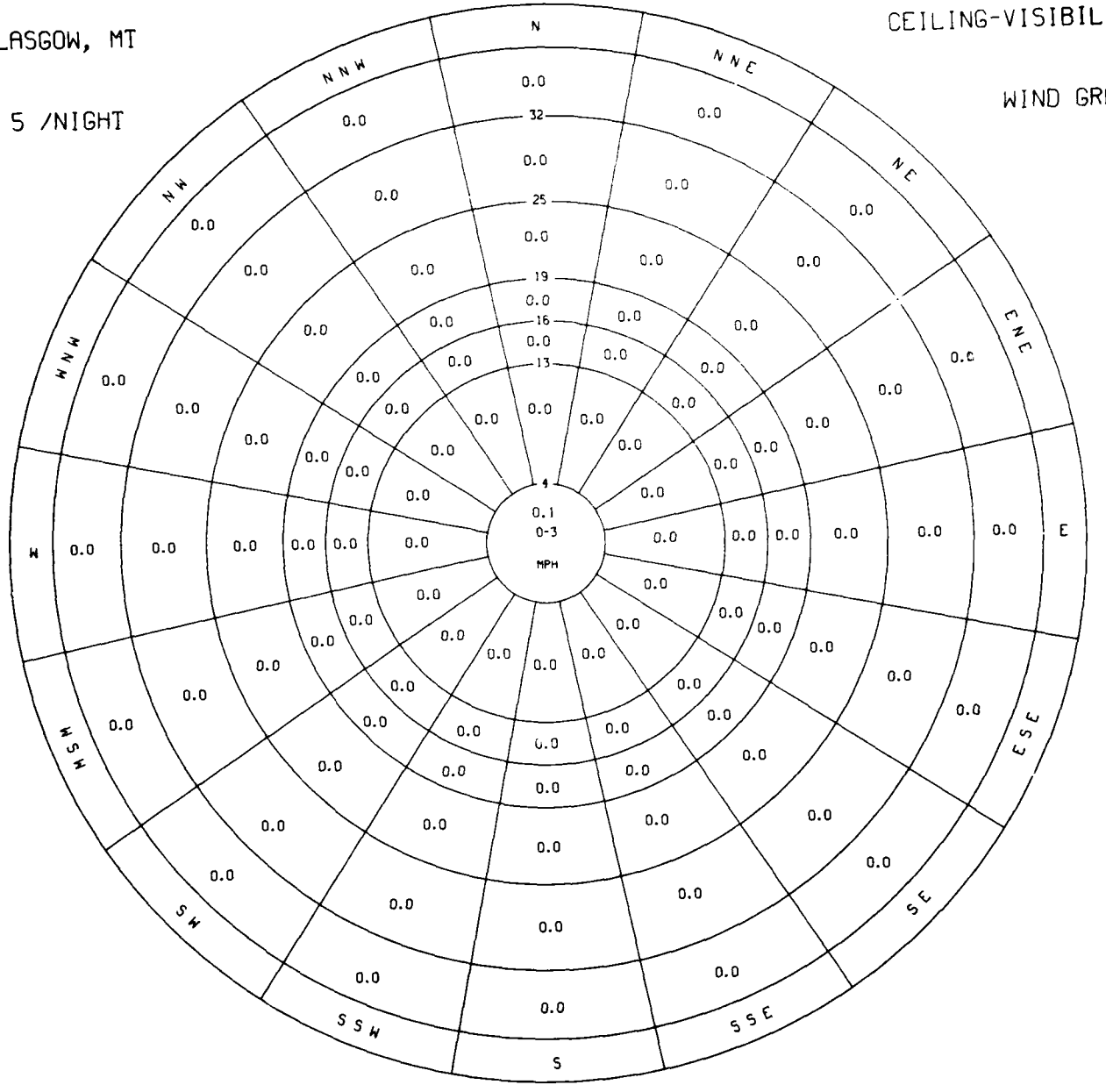
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.0
NNE	.0	.0	.0	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	.0	.0	.0	3.4	17.0
NE	.0	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	3.4	14.5
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	3.4	22.5
E	.0	3.4	.0	5.1	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	10.2	7.8
ESE	.0	.0	.1	15.3	.0	5.1	.0	5.1	.0	6.8	.0	8.5	.0	1.7	.1	42.4	17.2
SE	.0	.0	.0	11.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.6	8.0
SSE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	1.7	29.0
WNW	.0	.0	.0	3.4	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	5.1	11.3
NW	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.5
NNW	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.0
CALM	.0	6.8													.0	6.8	
TOTAL	.0	10.2	.2	47.5	.0	8.5	.0	8.5	.0	13.6	.0	10.2	.0	1.7	.4	100	12.7

GGW GLASGOW, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 5 / NIGHT

STATION NUMBER: 94008

NO. OBS.: 56

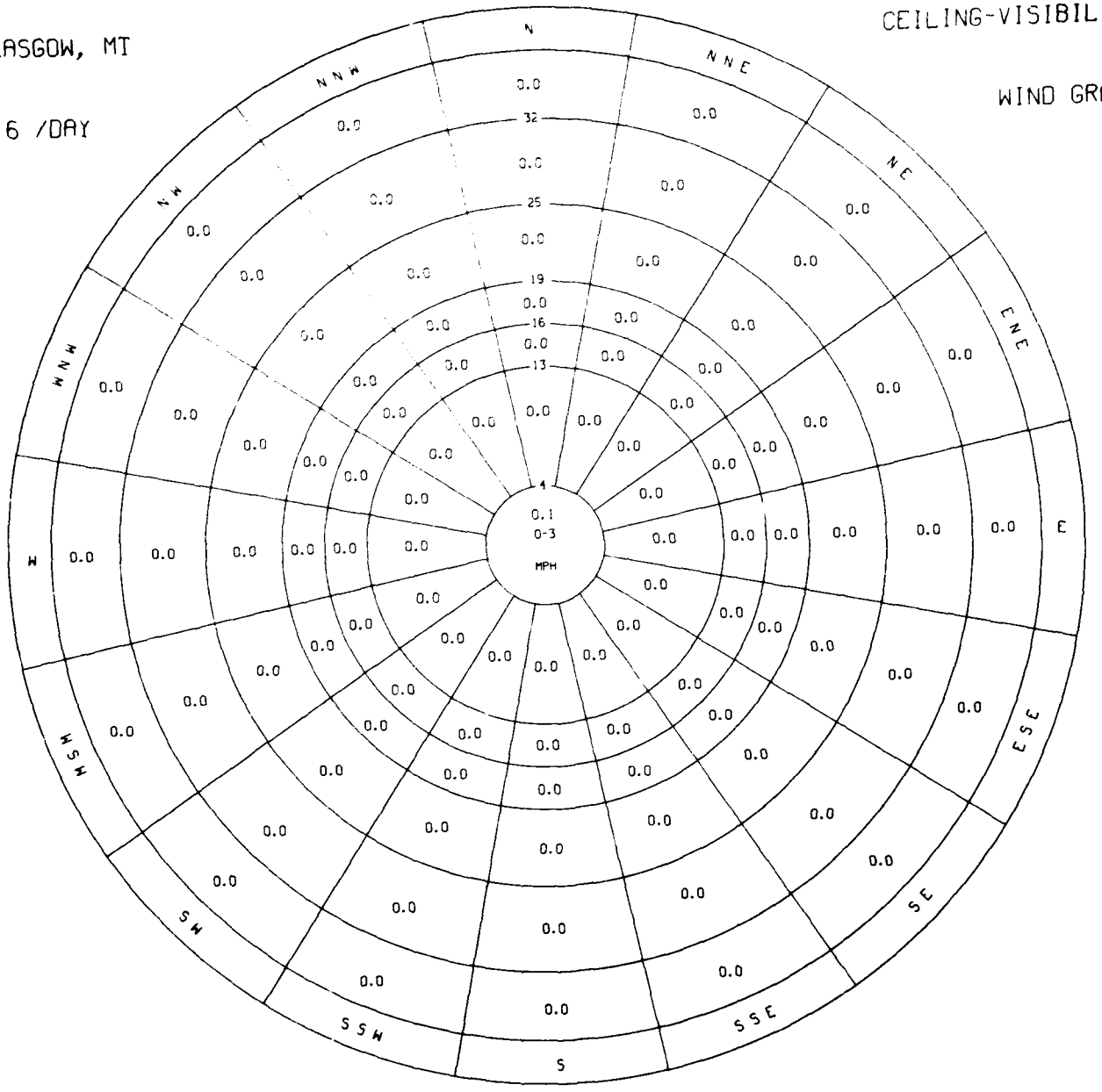
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.8	.0	5.4	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	8.9	9.6
NNE	.0	3.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	3.7
NE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.0
ENE	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.0
E	.0	1.8	.0	3.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	8.0
ESE	.0	.0	.0	10.7	.0	3.6	.0	5.4	.0	1.8	.0	3.6	.0	7.1	.1	32.1	18.7
SE	.0	3.6	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	5.7
SSE	.0	1.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	3.6	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	5.4	11.0
NW	.0	1.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.0
NNW	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	5.8
CALM	.0	8.9													.0	8.9	
TOTAL	.1	26.8	.2	46.4	.0	5.4	.0	5.4	.0	5.4	.0	3.6	.0	7.1	.4	100	10.1

GGW GLASGOW, MT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 6 / DAY

STATION NUMBER: 94008

NO. OBS.: 52

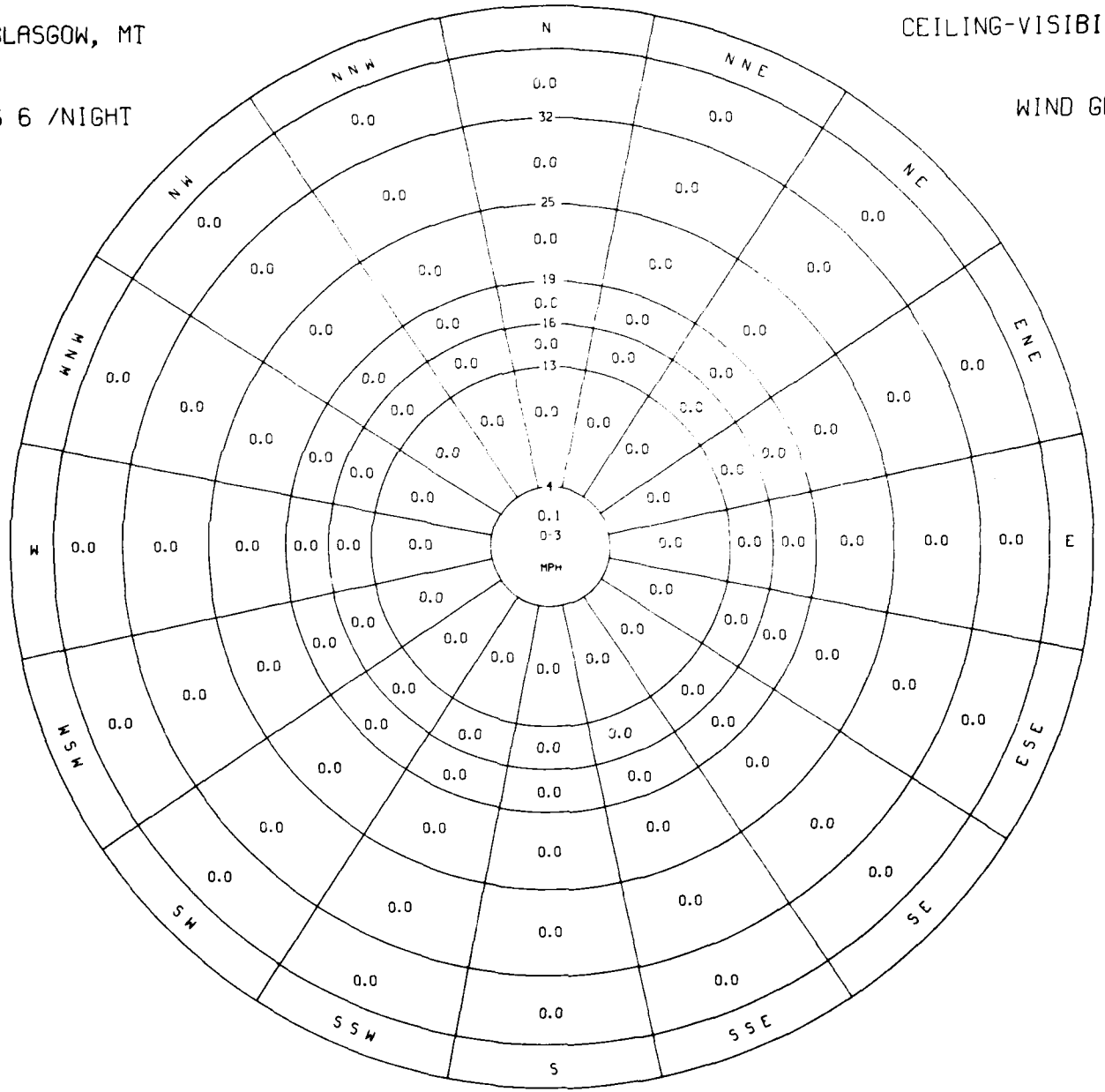
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	3.8	23.0
NNE	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.0
NE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	3.8	17.0
ESE	.0	1.9	.0	13.5	.0	3.8	.0	.0	.0	1.9	.0	9.6	.0	3.8	.1	34.6	17.7
SE	.0	.0	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	10.5
SSE	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.7
S	.0	1.9	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	6.0
SSW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.0
SW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.5
WNW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.0
NW	.0	1.9	.0	5.8	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	9.6	11.6
NNW	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.0
CALM	.0	15.4													.0	15.4	
TOTAL	.1	28.8	.1	42.3	.0	5.8	.0	1.9	.0	3.8	.0	13.5	.0	3.8	.3	100	10.7

GGW GLASGOW, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GGW GLASGOW, MT

PERIOD: 1969-1978

CLASS 6 / NIGHT

STATION NUMBER: 94008

NO. OBS.: 45

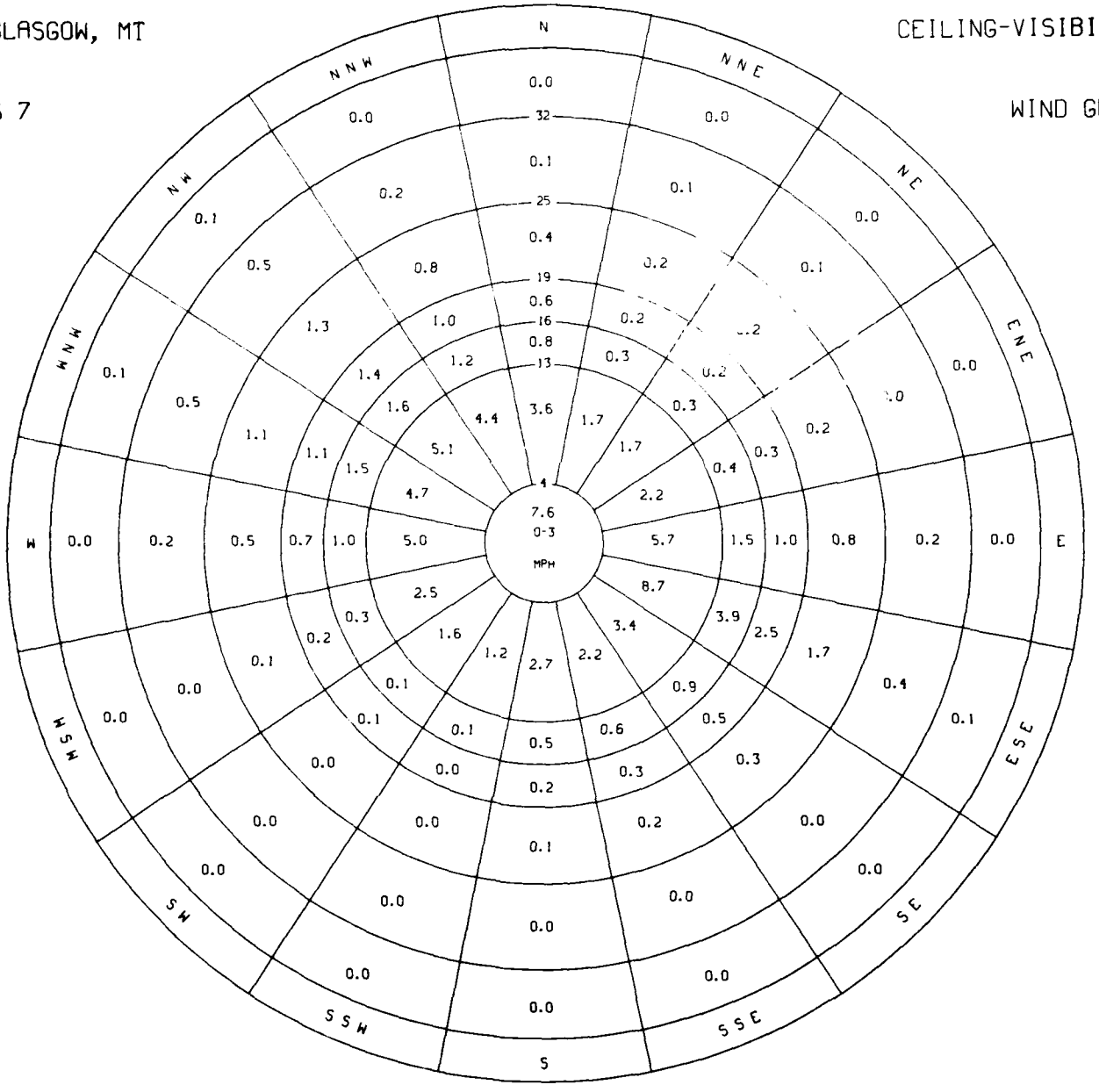
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	2.2	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	7.5
ESE	.0	2.2	.0	13.3	.0	2.2	.0	2.2	.0	.0	.0	4.4	.0	2.2	.1	26.7	14.6
SE	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	6.0
SSE	.0	.0	.0	8.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	6.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	2.5
WSW	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.0
W	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	7.0
WNW	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	7.0
NW	.0	.0	.0	11.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	8.2
NNW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
CALM	.0	8.9													.0	8.9	
TOTAL	.1	20.0	.2	66.7	.0	4.4	.0	2.2	.0	.0	.0	4.4	.0	2.2	.4	100	8.1

GGW GLASGOW, MT

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

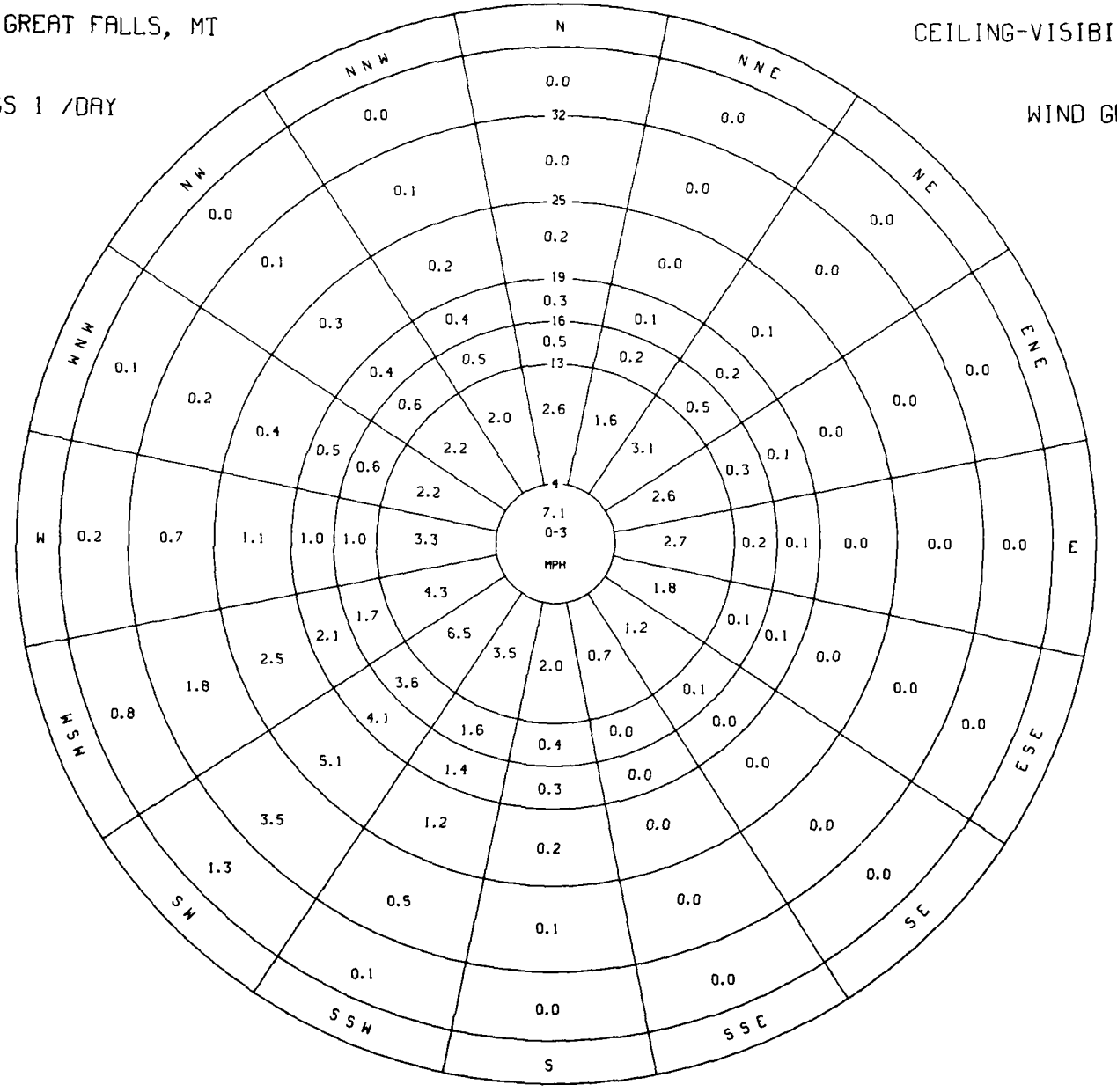


GTF GREAT FALLS, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



FILMED PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24143

NO. OBS.: 49430

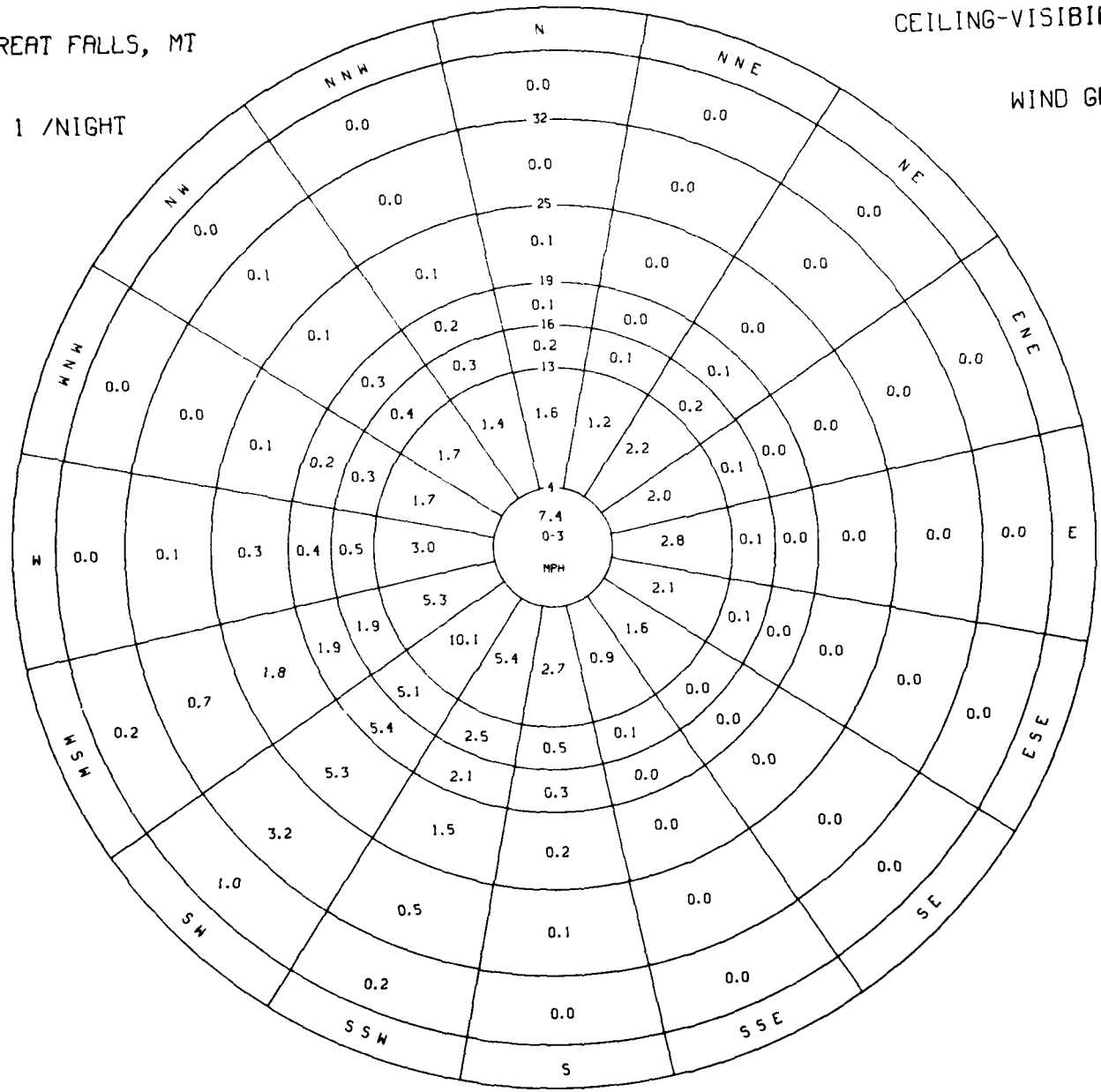
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.5	.5	2.6	2.8	.5	.5	.3	.3	.2	.2	.0	.1	.0	.0	4.1	4.4	9.7
NNE	.3	.3	1.6	1.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.5	8.4
NE	.5	.5	3.1	3.3	.5	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.3	4.6	8.8
ENE	.4	.4	2.6	2.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.4	3.6	8.3
E	.4	.5	2.7	2.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.5	3.7	7.8
ESE	.4	.4	1.8	1.9	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.4	2.6	7.4
SE	.4	.4	1.2	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.8	6.6
SSE	.3	.3	.7	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	6.9
S	.3	.3	2.0	2.2	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	3.3	3.6	10.5
SSW	.2	.2	3.5	3.7	1.6	1.7	1.4	1.5	1.2	1.3	.5	.6	.1	.1	8.5	9.1	14.3
SW	.4	.5	6.5	7.0	3.6	3.8	4.1	4.4	5.1	5.5	3.5	3.8	1.3	1.3	24.5	26.2	17.6
WSW	.3	.4	4.3	4.6	1.7	1.8	2.1	2.2	2.5	2.7	1.8	1.9	.8	.8	13.4	14.3	16.9
W	.4	.4	3.3	3.6	1.0	1.0	1.0	1.1	1.1	1.2	.7	.8	.2	.3	7.8	8.3	14.4
WNW	.3	.3	2.2	2.4	.6	.7	.5	.5	.4	.4	.2	.2	.1	.1	4.2	4.5	12.3
NW	.3	.3	2.2	2.4	.6	.6	.4	.5	.3	.3	.1	.1	.0	.0	3.9	4.2	11.1
NNW	.3	.3	2.0	2.2	.5	.6	.4	.4	.2	.2	.1	.1	.0	.0	3.5	3.8	11.1
CALM	1.5	1.6													1.5	1.6	
TOTAL	7.1	7.6	42.4	45.4	11.8	12.7	11.1	11.9	11.4	12.2	7.0	7.5	2.6	2.7	93.4	100	13.4

GTF GREAT FALLS, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24143

NO. OBS.: 35000

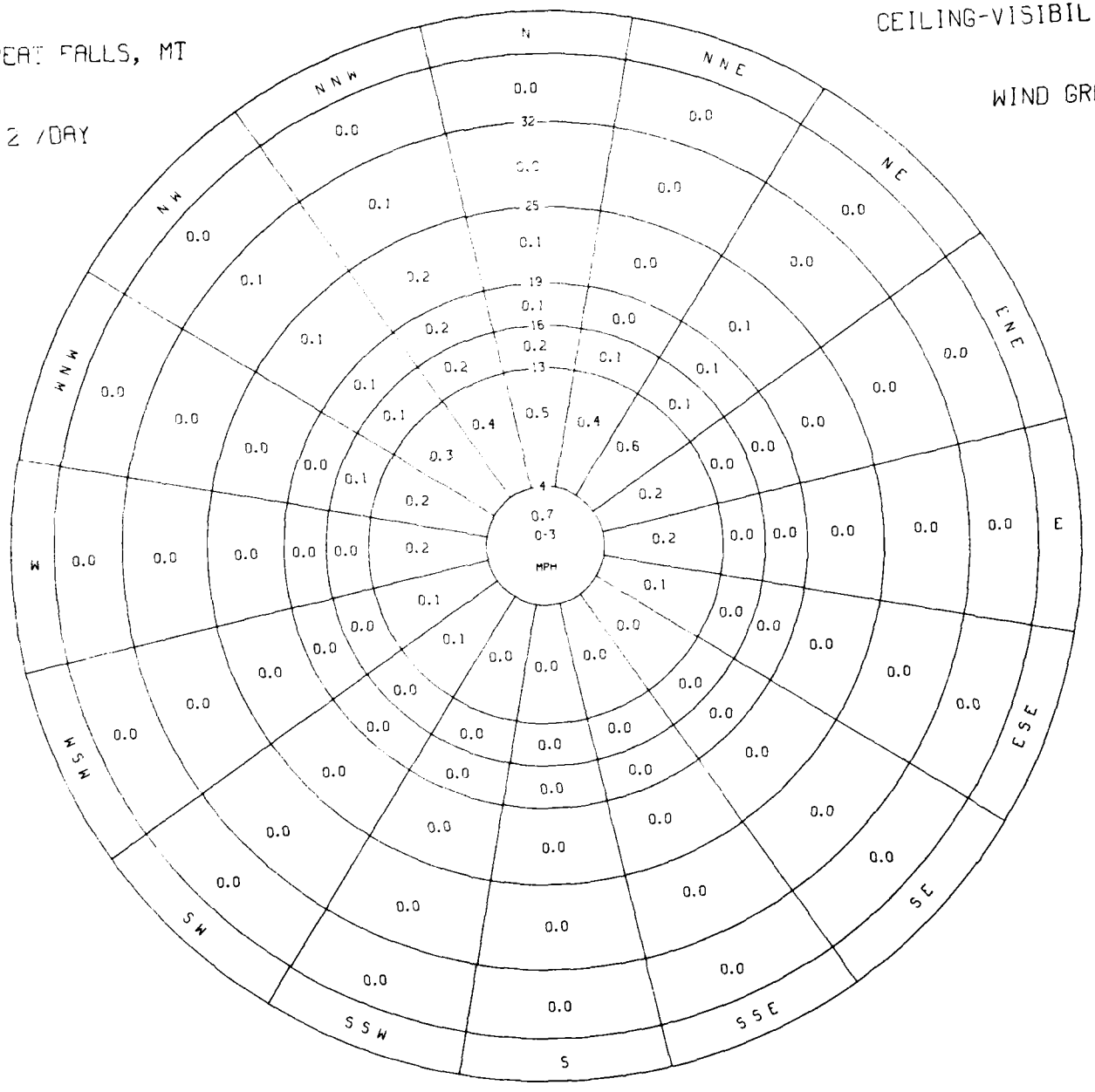
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.4	1.6	1.7	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.5	2.7	9.0
NNE	.3	.3	1.2	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.7	7.6
NE	.4	.4	2.2	2.4	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	3.0	3.2	8.2
ENE	.4	.5	2.0	2.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.6	2.8	7.3
E	.5	.5	2.8	3.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.7	7.0
ESE	.4	.4	2.1	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	2.8	6.9
SE	.4	.4	1.6	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.1	6.5
SSE	.2	.2	.9	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3	6.9
S	.3	.3	2.7	2.9	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	4.1	4.4	10.0
SSW	.3	.4	5.4	5.8	2.5	2.7	2.1	2.2	1.5	1.7	.5	.6	.2	.2	12.6	13.5	13.7
SW	.5	.6	10.1	10.9	5.1	5.5	5.4	5.8	5.3	5.7	3.2	3.4	1.0	1.1	30.7	33.0	16.1
WSW	.4	.5	5.3	5.7	1.9	2.0	1.9	2.1	1.8	1.9	.7	.8	.2	.3	12.3	13.2	14.1
W	.4	.5	3.0	3.2	.5	.6	.4	.4	.3	.3	.1	.1	.0	.0	4.8	5.1	10.4
WNW	.2	.2	1.7	1.8	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.6	2.8	10.1
NW	.2	.2	1.7	1.8	.4	.4	.3	.3	.1	.1	.1	.1	.0	.0	2.8	3.0	10.6
NNW	.3	.3	1.4	1.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.6	10.0
CALM	1.8	1.9													1.8	1.9	
TOTAL	7.4	8.0	45.8	49.3	12.6	13.5	11.2	12.0	9.7	10.4	4.8	5.1	1.5	1.6	92.9	100	12.4

GTF GREAT FALLS, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 24143

NO. OBS.: 3473

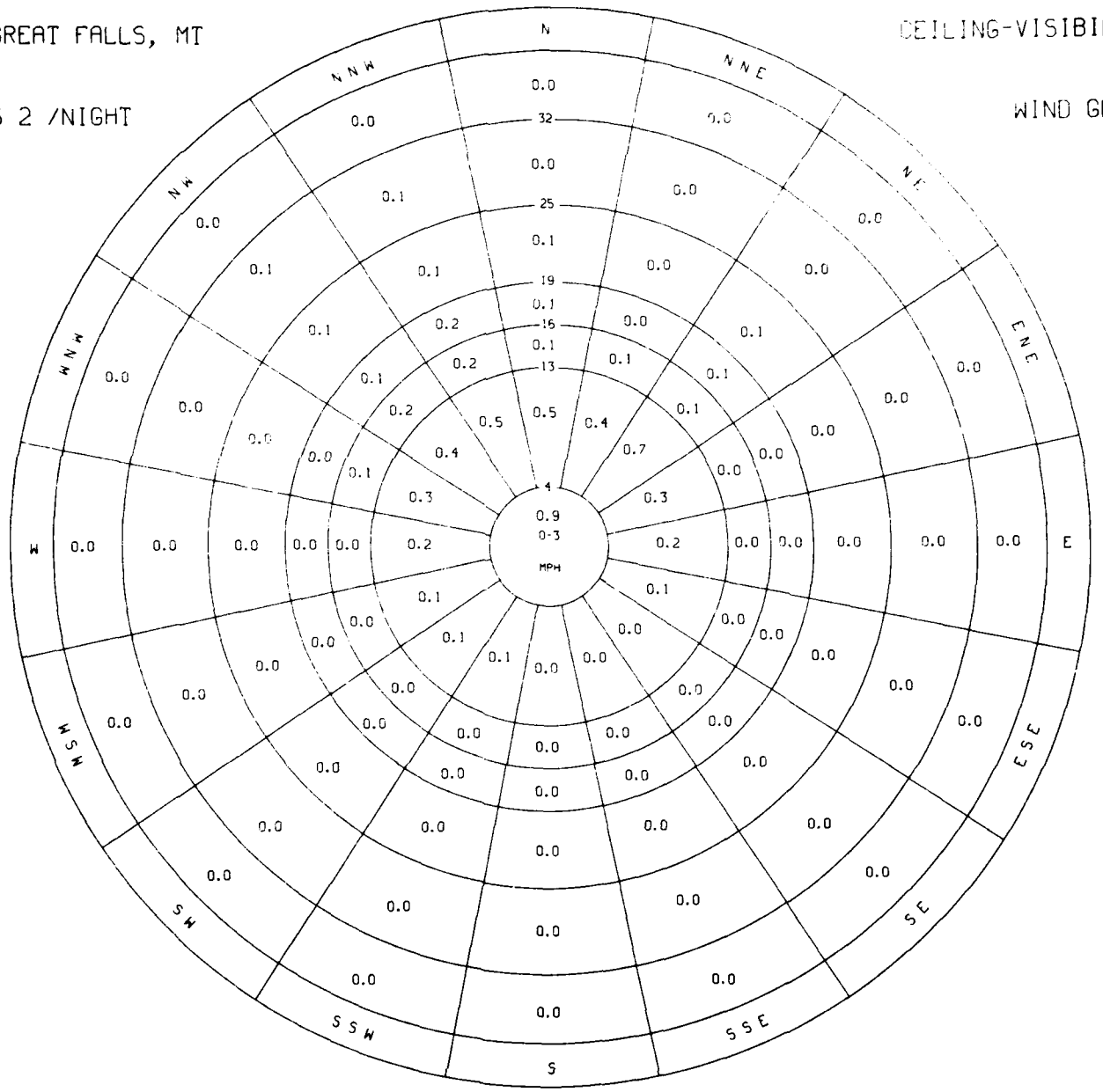
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.8	.5	8.0	.2	2.4	.1	2.2	.1	1.4	.0	.3	.0	.2	1.0	15.4	12.1
NNE	.1	.9	.4	6.5	.1	1.3	.0	.7	.0	.6	.0	.1	.0	.0	.7	10.0	10.2
NE	.1	1.0	.6	9.1	.1	1.9	.1	1.1	.1	.8	.0	.1	.0	.0	.9	13.9	10.2
ENE	.0	.6	.2	3.7	.0	.7	.0	.3	.0	.2	.0	.1	.0	.0	.4	5.6	9.2
E	.0	.4	.2	2.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0	7.2
ESE	.0	.5	.1	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	6.3
SE	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	5.9
SSE	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.1
S	.0	.2	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	6.3
SSW	.0	.1	.0	.5	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	.9	9.7
SW	.0	.2	.1	1.2	.0	.4	.0	.[illegible]	.0	.2	.0	.2	.0	.1	.2	2.3	12.7
WSW	.0	.2	.1	1.8	.0	.3	.0	[illegible]	.0	.3	.0	.1	.0	.1	.2	3.0	11.8
W	.0	.5	.2	2.7	.0	.4	.0	[illegible]	.0	.2	.0	.1	.0	.1	.3	4.2	10.0
WNW	.0	.2	.2	3.3	.1	1.0	.0	.6	.0	.5	.0	.1	.0	.0	.4	5.8	11.9
NW	.0	.5	.3	4.9	.1	2.2	.1	1.9	.1	1.8	.1	.9	.0	.1	.8	12.3	14.1
NNW	.0	.6	.4	6.5	.2	3.1	.2	2.6	.2	2.5	.1	.9	.0	.3	1.1	16.6	14.2
CALM	.2	2.4													.2	2.4	
TOTAL	.7	9.9	3.5	53.4	.9	14.1	.7	10.[illegible]	.6	8.7	.2	2.8	.1	.8	6.6	100	11.2

GTF GREAT FALLS, MT

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24143

NO. OBS.: 2657

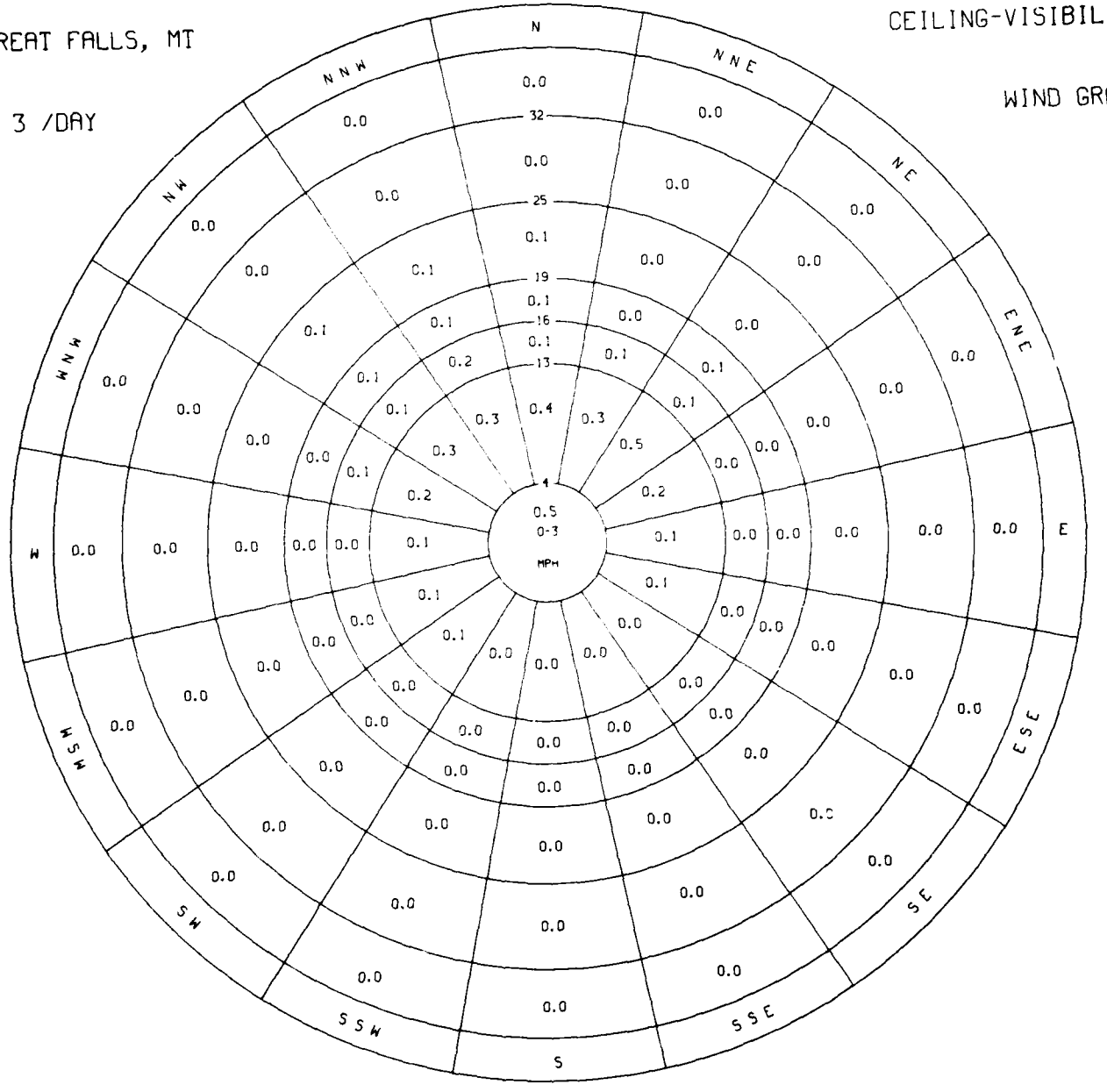
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.0	.5	7.8	.1	1.7	.1	1.4	.1	1.0	.0	.2	.0	.1	.9	13.1	11.0
NNE	.0	.5	.4	5.6	.1	1.1	.0	.5	.0	.3	.0	.0	.0	.0	.6	8.1	9.4
NE	.1	1.1	.7	9.9	.1	1.7	.1	1.3	.1	.7	.0	.0	.0	.0	1.0	14.8	10.2
ENE	.1	.7	.3	3.8	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	5.0	8.1
E	.1	.8	.2	2.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.8	6.6
ESE	.0	.5	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	6.9
SE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	5.1
SSE	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.9
S	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.8
SSW	.0	.2	.1	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	7.5
SW	.0	.3	.1	1.6	.0	.3	.0	.2	.0	.3	.0	.0	.0	.0	.2	2.8	9.8
WSW	.0	.5	.1	2.0	.0	.7	.0	.2	.0	.2	.0	.0	.0	.1	.3	3.7	11.1
W	.1	.9	.2	3.5	.0	.6	.0	.2	.0	.2	.0	.0	.0	.0	.4	5.4	8.7
WNW	.0	.4	.3	4.0	.1	1.0	.0	.3	.0	.5	.0	.0	.0	.0	.4	6.2	10.7
NW	.0	.6	.4	5.9	.2	2.3	.1	1.8	.1	1.8	.1	.8	.0	.2	.9	13.4	13.7
NNW	.1	.9	.5	7.1	.2	2.6	.2	2.8	.1	1.5	.1	1.0	.0	.2	1.1	16.0	13.2
CALM	.2	2.8													.2	2.8	
TOTAL	.9	12.1	4.0	57.0	.9	12.3	.6	9.0	.5	6.8	.2	2.2	.0	.6	7.1	100	10.5

GTF GREAT FALLS, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24143

NO. OBS.: 2676

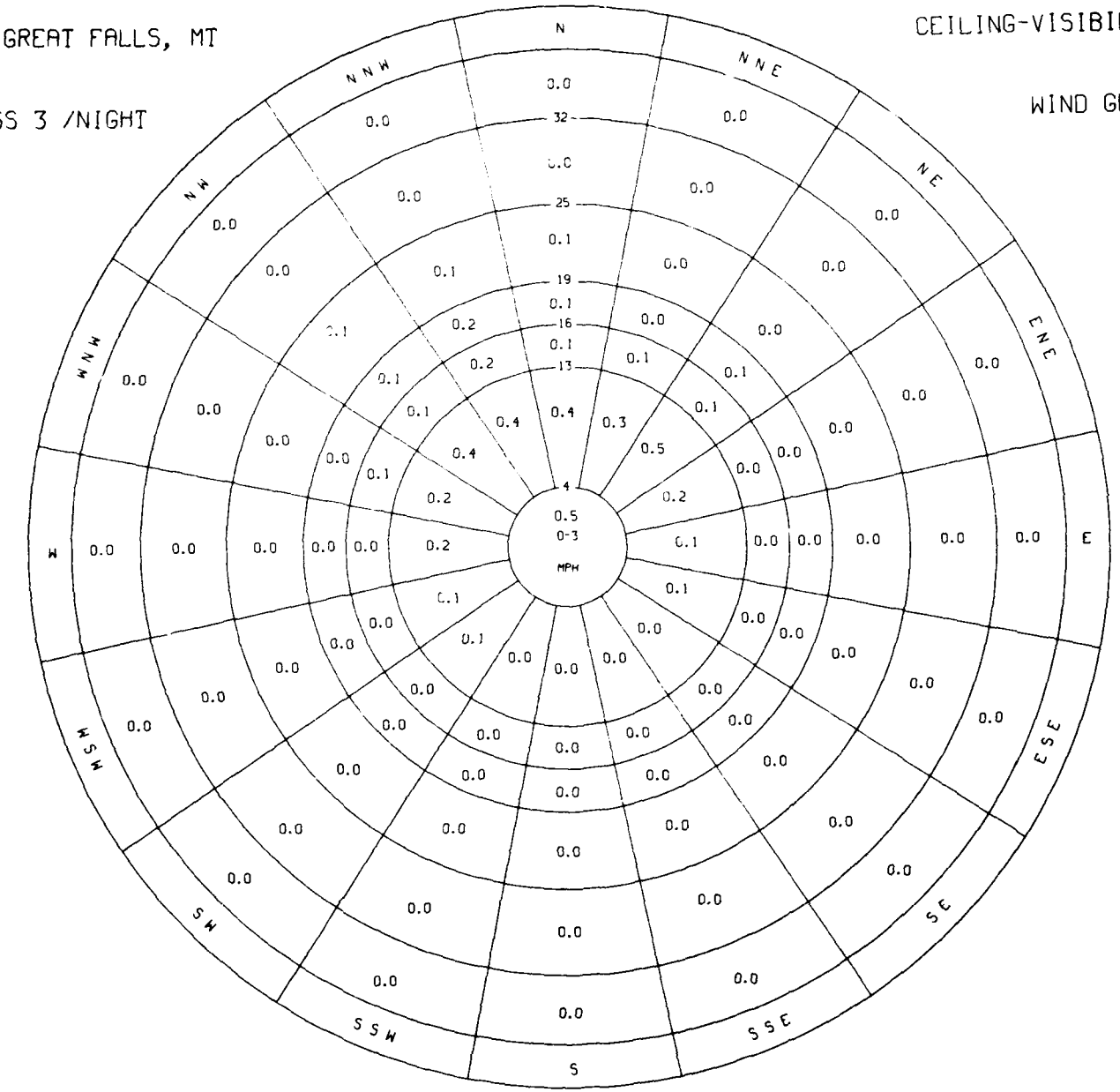
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.4	7.8	.1	2.7	.1	2.3	.1	1.4	.0	.3	.0	.1	.8	15.4	12.0
NNE	.0	.9	.3	6.9	.1	1.3	.0	.7	.0	.4	.0	.1	.0	.0	.5	10.3	10.0
NE	.1	1.0	.5	9.0	.1	1.8	.1	1.0	.0	.7	.0	.1	.0	.0	.7	13.6	10.1
ENE	.0	.7	.2	3.4	.0	.7	.0	.3	.0	.1	.0	.0	.0	.0	.3	5.3	9.0
E	.0	.3	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	7.1
ESE	.0	.3	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	6.2
SE	.0	.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	5.7
SSE	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.2
S	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.6
SSW	.0	.1	.0	.5	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.9	10.1
SW	.0	.1	.1	1.2	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.1	2.2	11.4
WSW	.0	.2	.1	1.9	.0	.4	.0	.3	.0	.3	.0	.1	.0	.1	.2	3.3	11.8
W	.0	.6	.1	2.8	.0	.3	.0	.3	.0	.3	.0	.1	.0	.1	.2	4.5	9.9
WNW	.0	.1	.2	3.4	.1	1.1	.0	.7	.0	.6	.0	.1	.0	.0	.3	6.1	12.0
NW	.0	.5	.3	5.1	.1	2.4	.1	2.3	.1	1.9	.0	.7	.0	.1	.7	13.0	14.0
NNW	.0	.7	.3	6.6	.2	3.3	.1	2.7	.1	2.3	.0	.8	.0	.1	.8	16.7	13.8
CALM	.1	2.0													.1	2.0	
TOTAL	.5	9.3	2.7	53.7	.8	14.8	.6	10.9	.4	8.3	.1	2.5	.0	.5	5.1	100	11.2

GTF GREAT FALLS, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24143

NO. OBS.: 1979

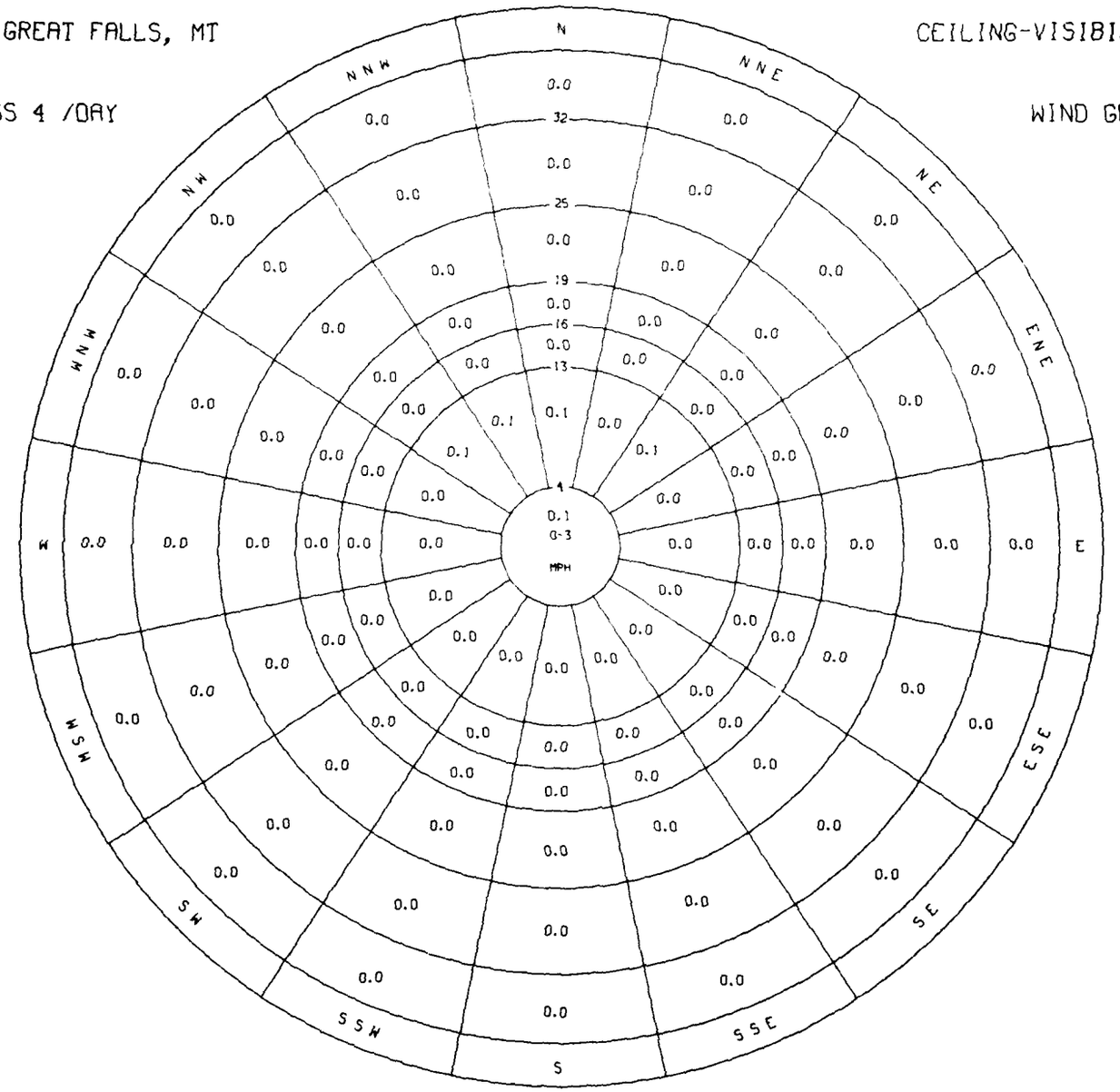
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.4	7.6	.1	1.7	.1	1.5	.1	1.0	.0	.2	.0	.1	.7	12.9	11.2
NNE	.0	.7	.3	5.5	.1	1.1	.0	.5	.0	.4	.0	.0	.0	.0	.4	8.0	9.3
NE	.1	1.1	.5	9.5	.1	1.6	.1	1.5	.0	.4	.0	.1	.0	.0	.7	14.0	10.1
ENE	.0	.6	.2	3.5	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.2	4.3	7.9
E	.0	.7	.1	2.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.0	7.1
ESE	.0	.4	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.6	6.7
SE	.0	.4	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.9	5.3
SSE	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.2
S	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.0
SSW	.0	.3	.0	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.2	7.1
SW	.0	.2	.1	1.5	.0	.5	.0	.2	.0	.3	.0	.0	.0	.0	.1	2.7	10.3
WSW	.0	.4	.1	1.9	.0	.8	.0	.2	.0	.2	.0	.0	.0	.1	.2	3.6	11.4
W	.1	1.0	.2	3.6	.0	.6	.0	.3	.0	.3	.0	.1	.0	.0	.3	5.9	9.1
WNW	.0	.3	.2	4.2	.1	1.2	.0	.4	.0	.7	.0	.1	.0	.0	.4	6.8	11.3
NW	.0	.6	.4	6.8	.1	2.3	.1	2.1	.1	2.0	.0	.8	.0	.2	.8	14.9	13.5
NNW	.0	.8	.4	8.1	.2	2.9	.2	3.3	.1	1.5	.0	.8	.0	.1	.9	17.3	12.8
CALM	.1	2.0													.1	2.0	
TOTAL	.5	10.5	3.0	57.3	.7	13.0	.5	10.2	.4	6.7	.1	2.0	.0	.5	5.3	100	10.6

GTF GREAT FALLS, MT

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24143

NO. OBS.: 552

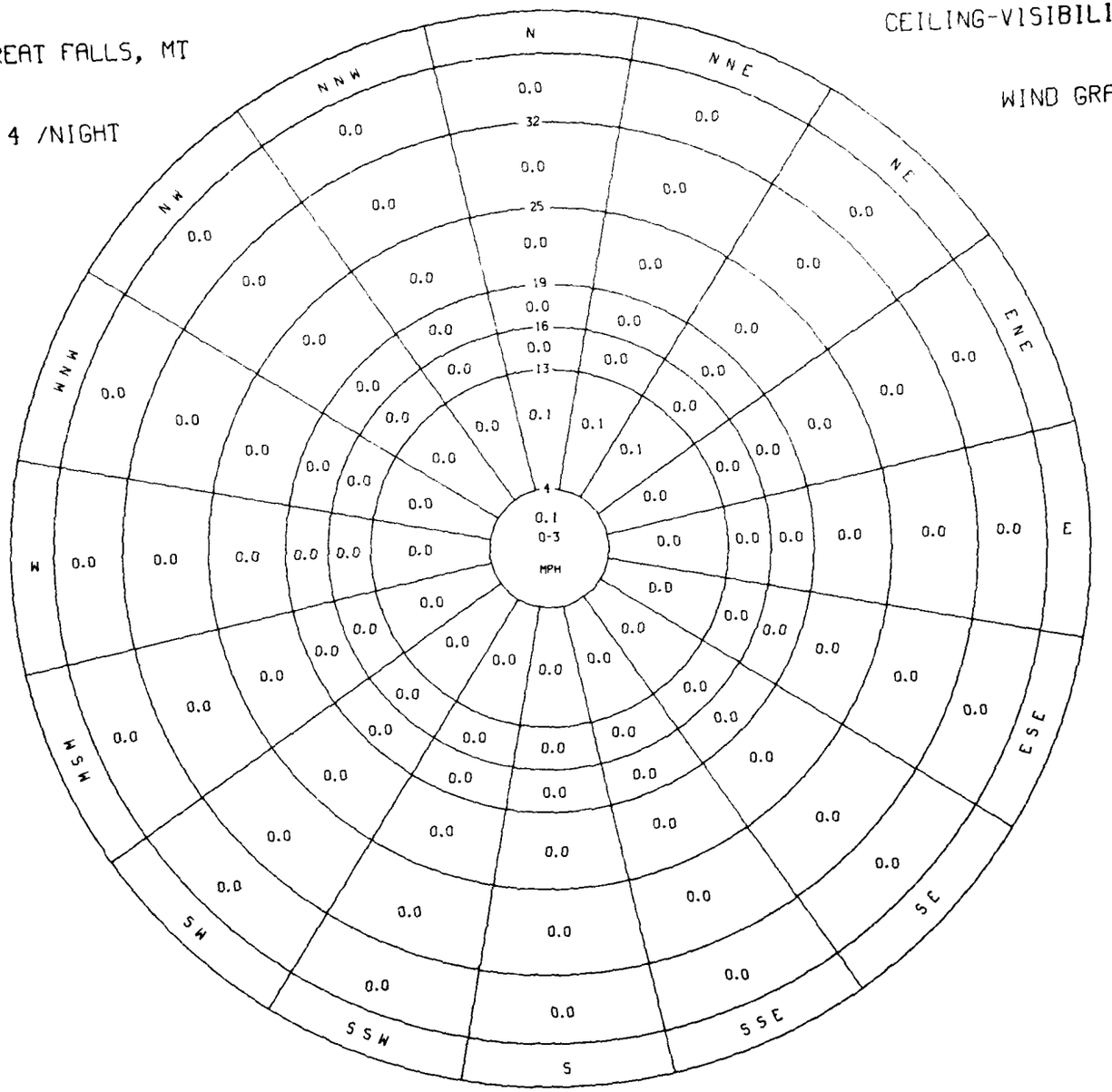
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.1	9.2	.0	2.2	.0	2.0	.0	2.2	.0	.4	.0	.4	.2	17.0	12.1
NNE	.0	.9	.0	4.7	.0	1.4	.0	.9	.0	1.3	.0	.2	.0	.0	.1	9.4	11.5
NE	.0	.7	.1	9.8	.0	2.0	.0	1.4	.0	.9	.0	.0	.0	.0	.2	14.9	10.5
ENE	.0	.7	.0	4.7	.0	.5	.0	.4	.0	.5	.0	.2	.0	.0	.1	7.1	10.0
E	.0	.4	.0	2.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.9
ESE	.0	.2	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.1
SE	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	1.3	7.4
SSE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0
S	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.5
SSW	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.0
SW	.0	.0	.0	.9	.0	.2	.0	.2	.0	.4	.0	.2	.0	.5	.0	2.4	19.4
WSW	.0	.2	.0	1.1	.0	.2	.0	.4	.0	.5	.0	.2	.0	.0	.0	2.5	13.1
W	.0	.2	.0	2.2	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.6	10.3
WNW	.0	.2	.0	3.3	.0	1.1	.0	.2	.0	.5	.0	.2	.0	.0	.1	5.4	11.5
NW	.0	.4	.1	5.3	.0	1.4	.0	.9	.0	2.4	.0	1.6	.0	.0	.1	12.0	14.7
NNW	.0	.4	.1	6.9	.0	2.7	.0	2.2	.0	3.8	.0	1.6	.0	.4	.2	17.9	15.6
CALM	.0	1.1													.0	1.1	
TOTAL	.1	6.9	.5	52.5	.1	13.2	.1	8.9	.1	12.5	.0	4.7	.0	1.3	1.0	100	12.3

GTF GREAT FALLS, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 24143

NO. OBS.: 383

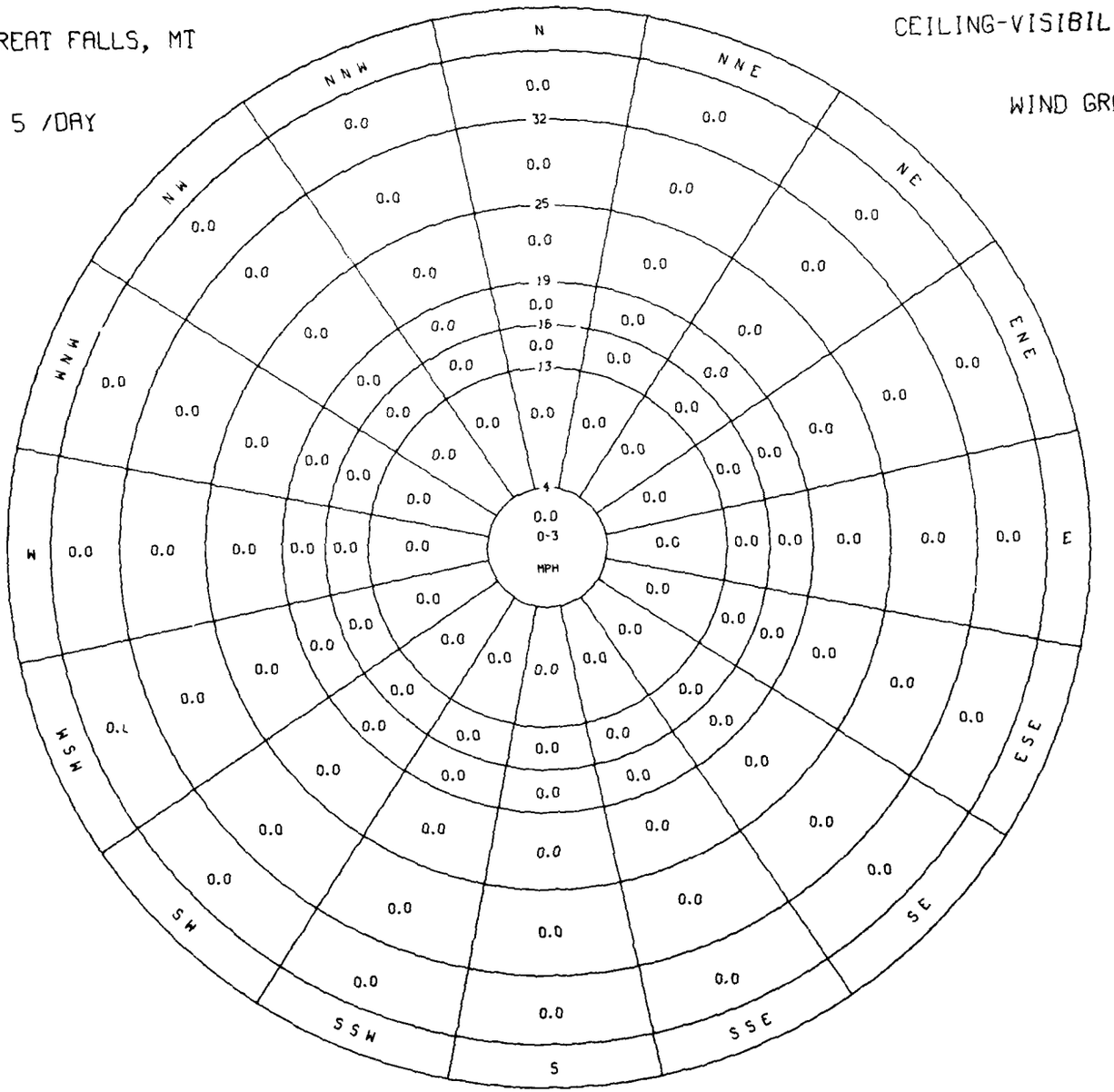
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.1	10.7	.0	2.1	.0	1.0	.0	1.8	.0	.3	.0	.0	.2	16.7	11.1
N N E	.0	.3	.1	6.3	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.1	8.9	10.0
N E	.0	1.0	.1	11.2	.0	1.6	.0	.8	.0	2.1	.0	.0	.0	.0	.2	16.7	10.7
E N E	.0	.5	.0	2.9	.0	.0	.0	.3	.0	.8	.0	.0	.0	.0	.0	4.4	9.6
E	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.7
E S E	.0	.5	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.9
S E	.0	.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.2
S S E	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.7
S	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.7
S S W	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.5
S W	.0	.5	.0	.8	.0	.0	.0	.0	.0	.5	.0	.3	.0	.0	.0	2.1	11.9
W S W	.0	1.0	.0	2.3	.0	.3	.0	.3	.0	.5	.0	.0	.0	.3	.0	4.7	11.1
W	.0	.5	.0	2.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	8.5
W N W	.0	.8	.0	2.9	.0	.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	4.4	9.5
N W	.0	.8	.0	4.7	.0	3.4	.0	1.3	.0	2.3	.0	.3	.0	.0	.1	12.8	13.9
N N W	.0	1.0	.0	4.7	.0	1.6	.0	2.3	.0	1.8	.0	2.1	.0	.5	.1	14.1	15.8
C A L M	.0	3.4													.0	3.4	
T O T A L	.1	13.1	.6	54.3	.1	11.5	.1	7.3	.1	10.2	.0	2.9	.0	.8	1.0	100	11.0

GTF GREAT FALLS, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 24143

NO. OBS.: 123

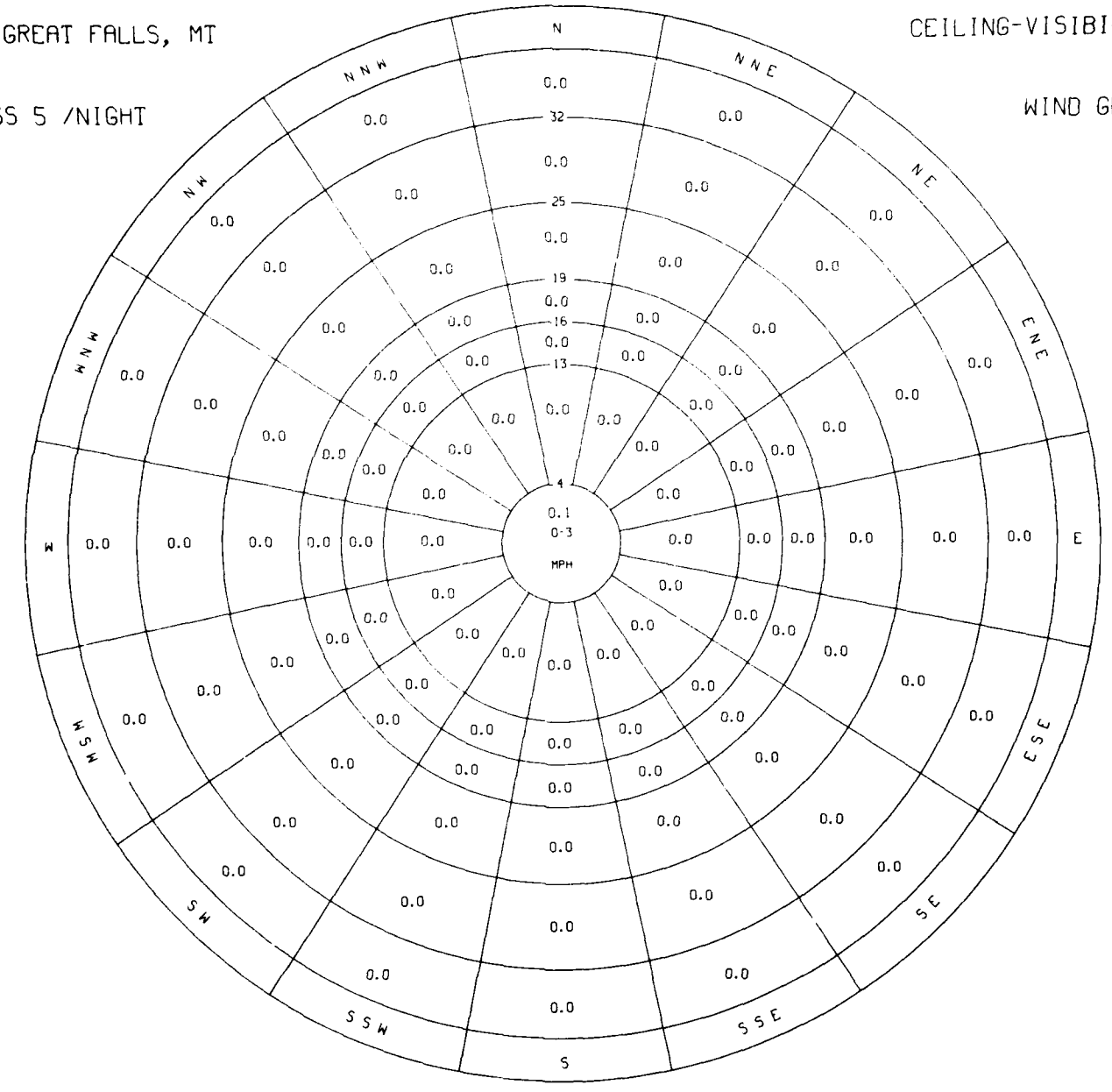
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.0	9.8	.0	.0	.0	3.3	.0	.0	.0	2.4	.0	.8	.0	17.1	13.7
NNE	.0	.8	.0	5.7	.0	.8	.0	.0	.0	1.6	.0	.0	.0	.0	.0	8.9	10.7
NE	.0	1.6	.0	8.1	.0	4.1	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	18.7	12.5
ENE	.0	.0	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	9.7
E	.0	.8	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	7.0
ESE	.0	2.4	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	5.0
SE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
S	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.8	.0	.8	.0	4.1	15.8
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0
W	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	3.3	10.7
WNW	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	3.3	14.2
NW	.0	.0	.0	1.6	.0	2.4	.0	.8	.0	.8	.0	.8	.0	.0	.0	6.5	15.6
NNW	.0	.0	.0	6.5	.0	2.4	.0	4.1	.0	.8	.0	.0	.0	.8	.0	14.6	14.3
CALM	.0	5.7													.0	5.7	
TOTAL	.0	15.4	.1	49.6	.0	10.6	.0	10.6	.0	6.5	.0	4.1	.0	3.3	.2	100	11.4

GTF GREAT FALLS, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24143

NO. OBS.: 132

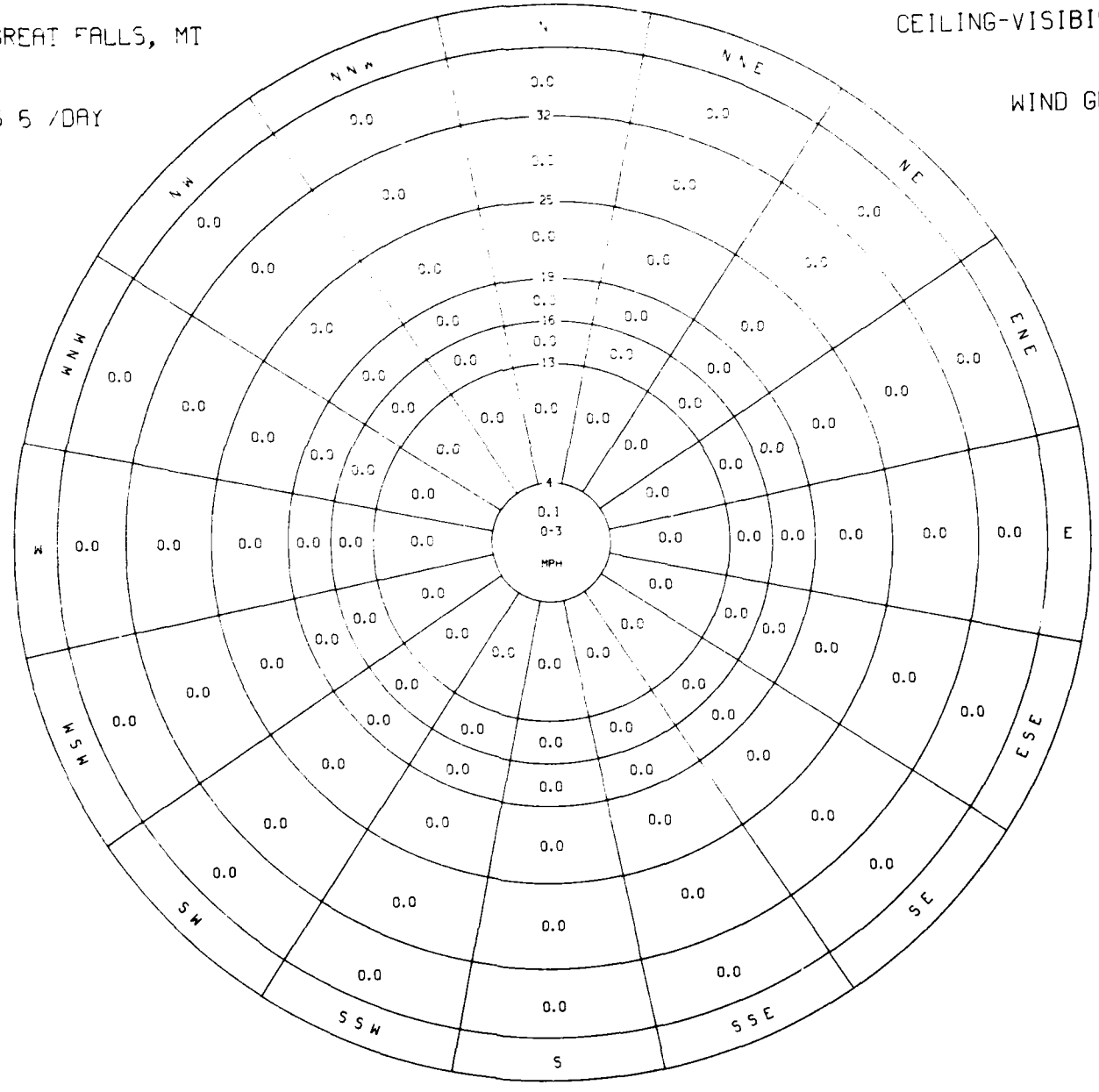
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.0	5.3	.0	.8	.0	1.5	.0	.8	.0	.8	.0	.0	.0	10.6	11.6
NNE	.0	.0	.0	5.3	.0	2.3	.0	.0	.0	.8	.0	.0	.0	.0	.0	8.3	10.9
NE	.0	.8	.0	11.4	.0	1.5	.0	1.5	.0	1.5	.0	.0	.0	.0	.1	16.7	10.7
ENE	.0	1.5	.0	9.1	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	11.4	8.3
E	.0	.8	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	6.3
ESE	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.7
SE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0
SSW	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	1.5	9.5
SW	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.7
WSW	.0	.0	.0	3.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	9.3
W	.0	.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	5.8
WNW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	8.0
NW	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	3.0	.0	.0	.0	4.5	23.8
NNW	.0	2.3	.0	3.0	.0	3.0	.0	.0	.0	2.3	.0	1.5	.0	.8	.0	12.9	15.0
CALM	.0	6.1													.0	6.1	
TOTAL	.1	15.9	.2	59.1	.0	9.1	.0	4.5	.0	5.3	.0	5.3	.0	.8	.4	100	9.9

GTF GREAT FALLS, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 24143

NO. OBS.: 122

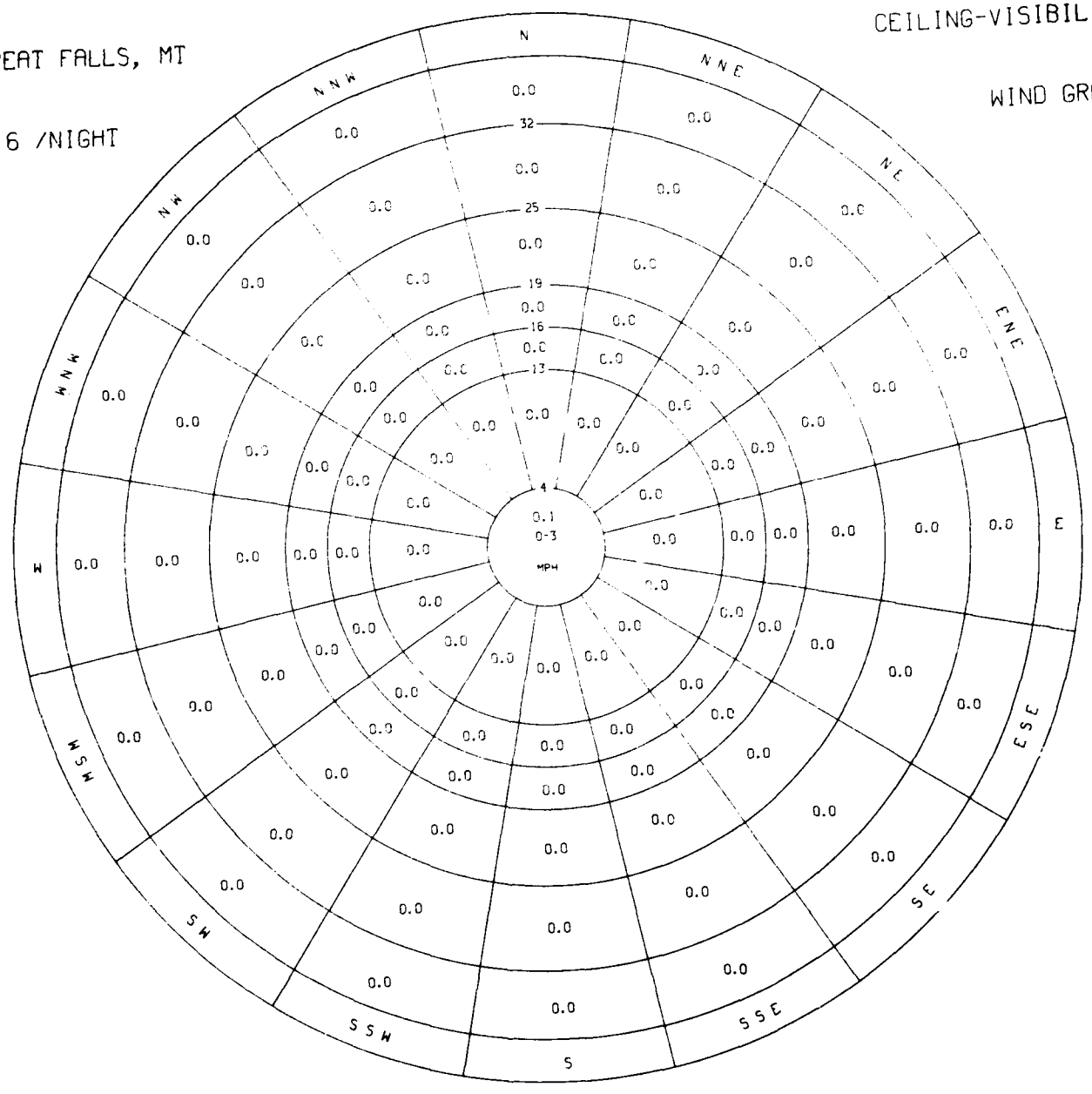
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	1.6	.0	4.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	.0	7.4	10.7
NNE	.0	.8	.0	6.6	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	8.2	8.4
NE	.0	.8	.0	9.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	8.6
ENE	.0	.0	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	7.7
E	.0	2.5	.0	3.3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	6.6	6.3
ESE	.0	3.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	5.1
SE	.0	1.6	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	5.0
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
S	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.7
SSW	.0	.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.7
SW	.0	.8	.0	2.5	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	4.1	8.0
WSW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.7
W	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.0
WNW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.7
NW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	4.1	9.6
NNW	.0	.0	.0	3.3	.0	1.6	.0	1.6	.0	1.6	.0	.0	.0	1.6	.0	9.8	18.8
CALM	.0	15.6													.0	15.6	
TOTAL	.1	31.1	.1	55.7	.0	4.1	.0	4.1	.0	1.6	.0	.8	.0	2.5	.2	100	7.5

GTF GREAT FALLS, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GTF GREAT FALLS, MT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24143

NO. OBS.: 163

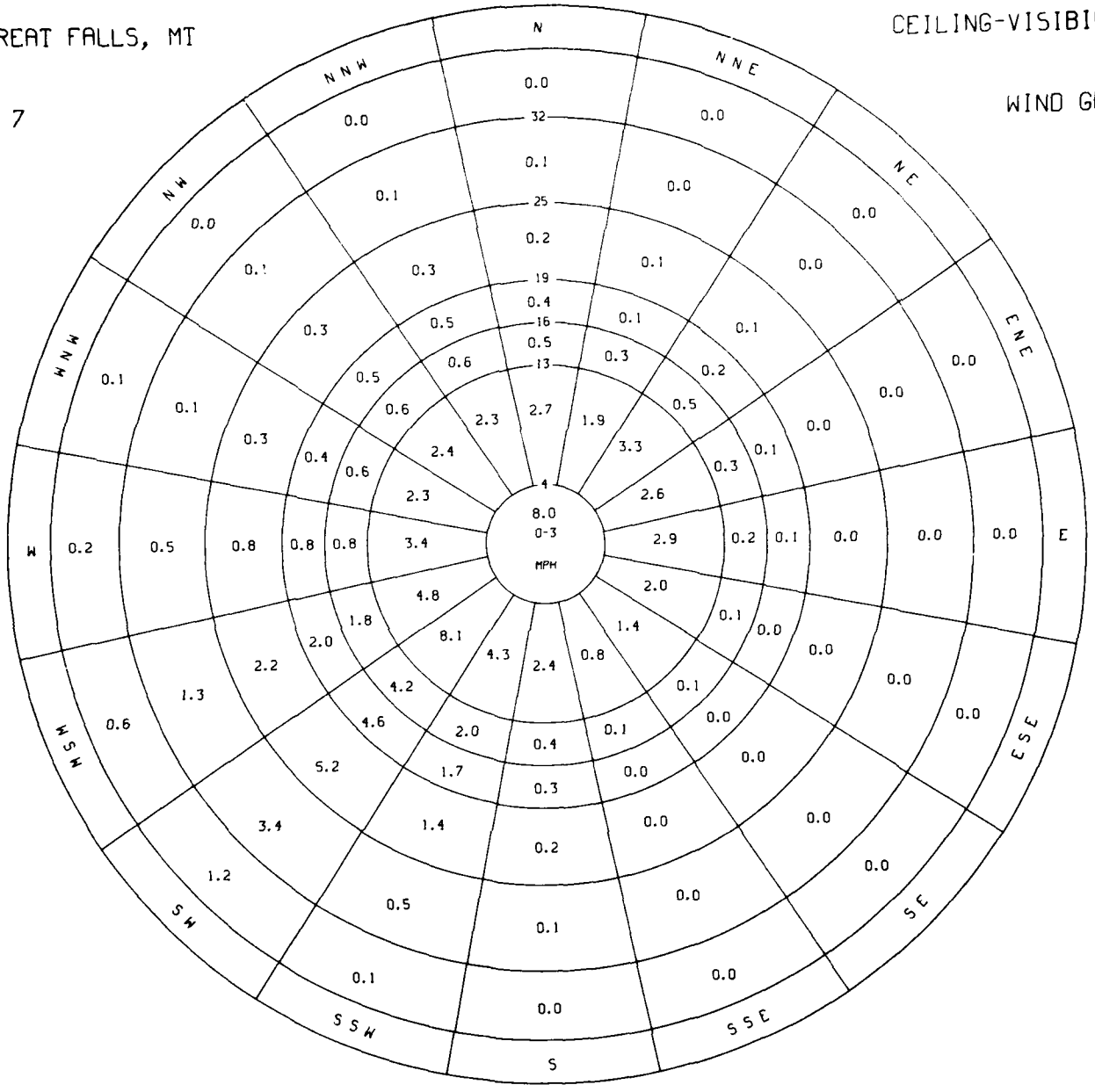
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.5	.0	4.9	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	8.6	7.1
NNE	.0	.0	.0	5.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	7.7
NE	.0	1.8	.0	10.4	.0	3.7	.0	.6	.0	1.2	.0	.0	.0	.0	.1	17.8	9.5
ENE	.0	2.5	.0	5.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	7.5
E	.0	2.5	.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.5	5.6
ESE	.0	1.2	.0	1.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	8.0
SE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.5
SSE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
S	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
SSW	.0	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	1.2	11.0
SW	.0	1.2	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.5
WSW	.0	.6	.0	1.2	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.5	8.8
W	.0	1.2	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.6
WNW	.0	1.8	.0	2.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.9
NW	.0	.6	.0	2.5	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	.0	4.3	13.0
NNW	.0	1.2	.0	4.3	.0	.6	.0	.0	.0	.0	.0	.6	.0	.6	.0	7.4	11.3
CALM	.0	8.0													.0	8.0	
TOTAL	.1	27.0	.3	58.9	.0	8.0	.0	3.1	.0	1.2	.0	.6	.0	1.2	.4	100	7.3

GTF GREAT FALLS, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

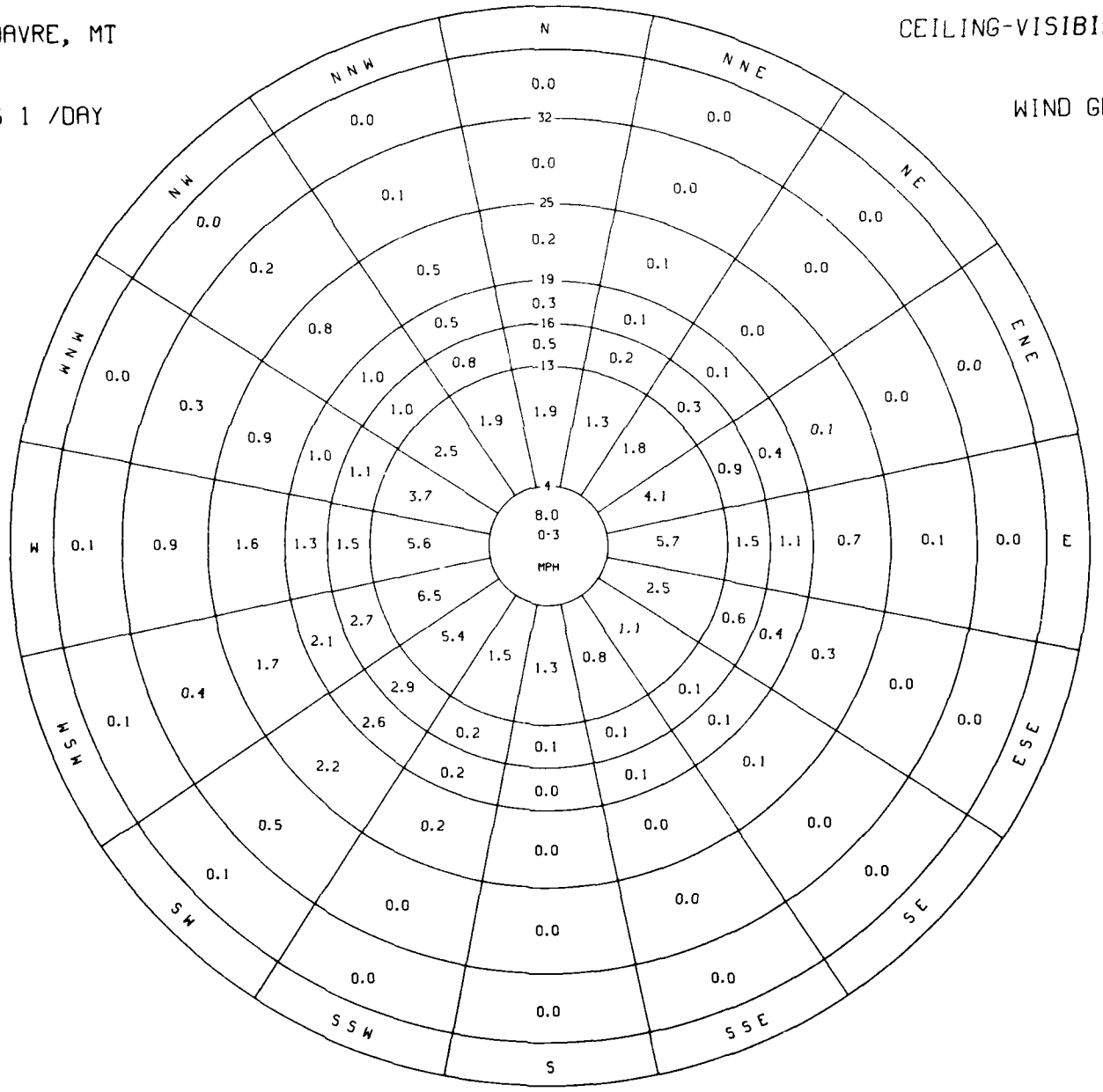


HVR HAVRE, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PREVIOUS PAGE IS BLANK-NOT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 1 / DAY

STATION NUMBER: 94012

NO. OBS.: 11405

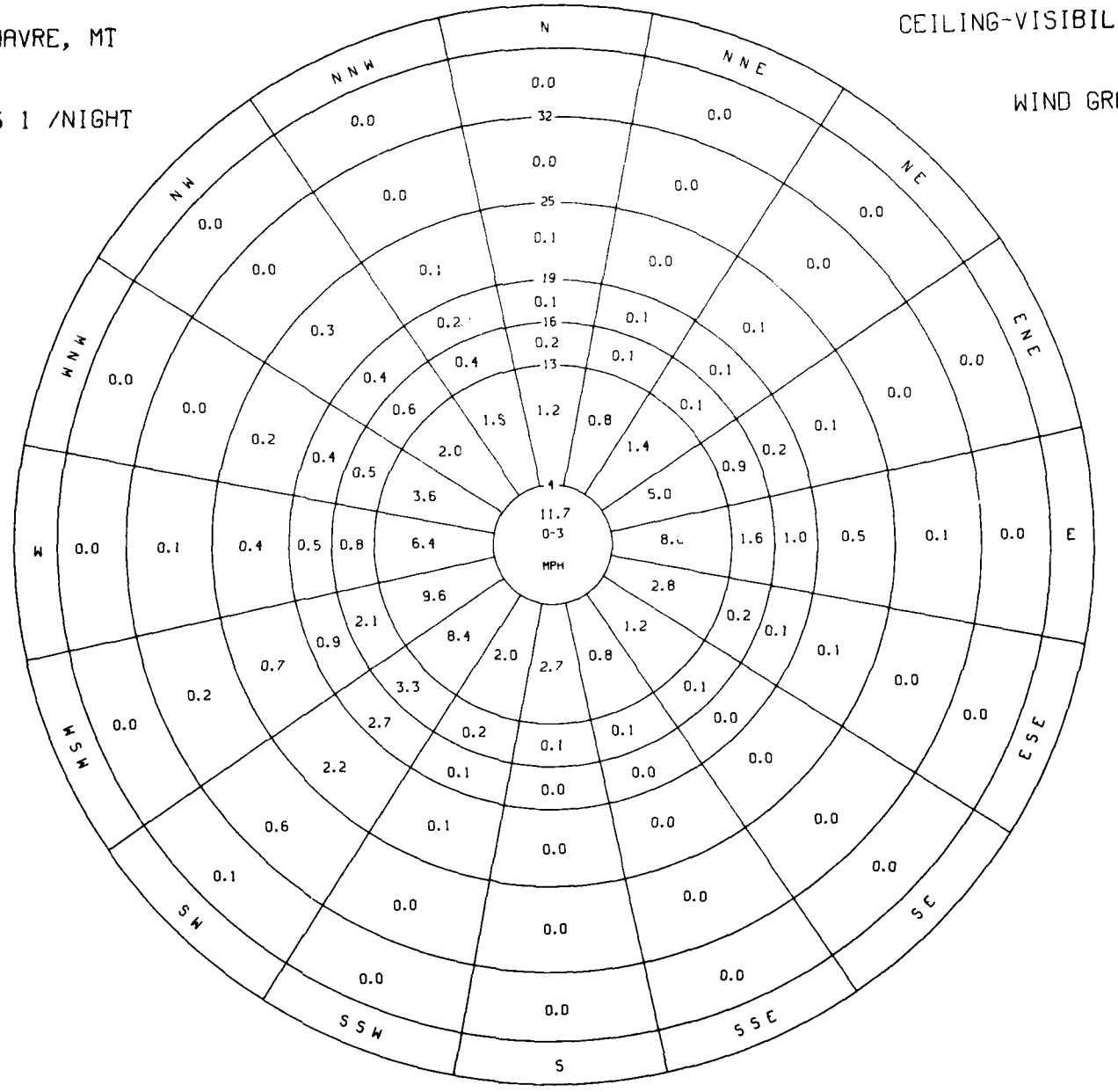
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	1.9	2.0	.5	.5	.3	.3	.2	.2	.0	.0	.0	.0	3.1	3.3	10.2
NNE	.2	.2	1.3	1.4	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.9	2.0	9.3
NE	.3	.3	1.8	1.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.5	2.6	8.3
ENE	.3	.3	4.1	4.3	.9	1.0	.4	.4	.1	.1	.0	.0	.0	.0	5.7	6.1	9.8
E	.4	.5	5.7	6.1	1.5	1.6	1.1	1.2	.7	.7	.1	.1	.0	.0	9.6	10.2	10.9
ESE	.1	.2	2.5	2.7	.6	.7	.4	.5	.3	.3	.0	.0	.0	.0	4.0	4.2	10.2
SE	.2	.2	1.1	1.2	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0	1.7	1.9	8.7
SSE	.2	.2	.8	.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.1	1.2	7.0
S	.2	.3	1.3	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.8	7.3
SSW	.1	.1	1.5	1.6	.2	.3	.2	.2	.2	.2	.0	.0	.0	.0	2.3	2.5	10.2
SW	.3	.3	5.4	5.8	2.9	3.1	2.6	2.8	2.2	2.3	.5	.6	.1	.1	14.0	14.9	13.9
WSW	.3	.3	6.5	7.0	2.7	2.9	2.1	2.2	1.7	1.8	.4	.5	.1	.1	13.8	14.7	13.0
W	.5	.5	5.6	6.0	1.5	1.6	1.3	1.3	1.6	1.7	.9	1.0	.1	.1	11.4	12.2	13.3
WNW	.3	.4	3.7	3.9	1.1	1.1	1.0	1.1	.9	.9	.3	.3	.0	.1	7.3	7.8	12.5
NW	.2	.3	2.5	2.7	1.0	1.1	1.0	1.1	.8	.9	.2	.2	.0	.0	5.9	6.3	13.4
NNW	.2	.2	1.9	2.0	.8	.9	.5	.6	.5	.5	.1	.1	.0	.0	4.0	4.3	12.3
CALM	3.9	4.2													3.9	4.2	
TOTAL	8.0	8.6	47.5	50.6	14.6	15.5	11.4	12.2	9.3	9.9	2.7	2.9	.3	.4	93.8	100	11.4

HVR HAVRE, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 1 / NIGHT

STATION NUMBER: 94012

NO. OBS.: 7728

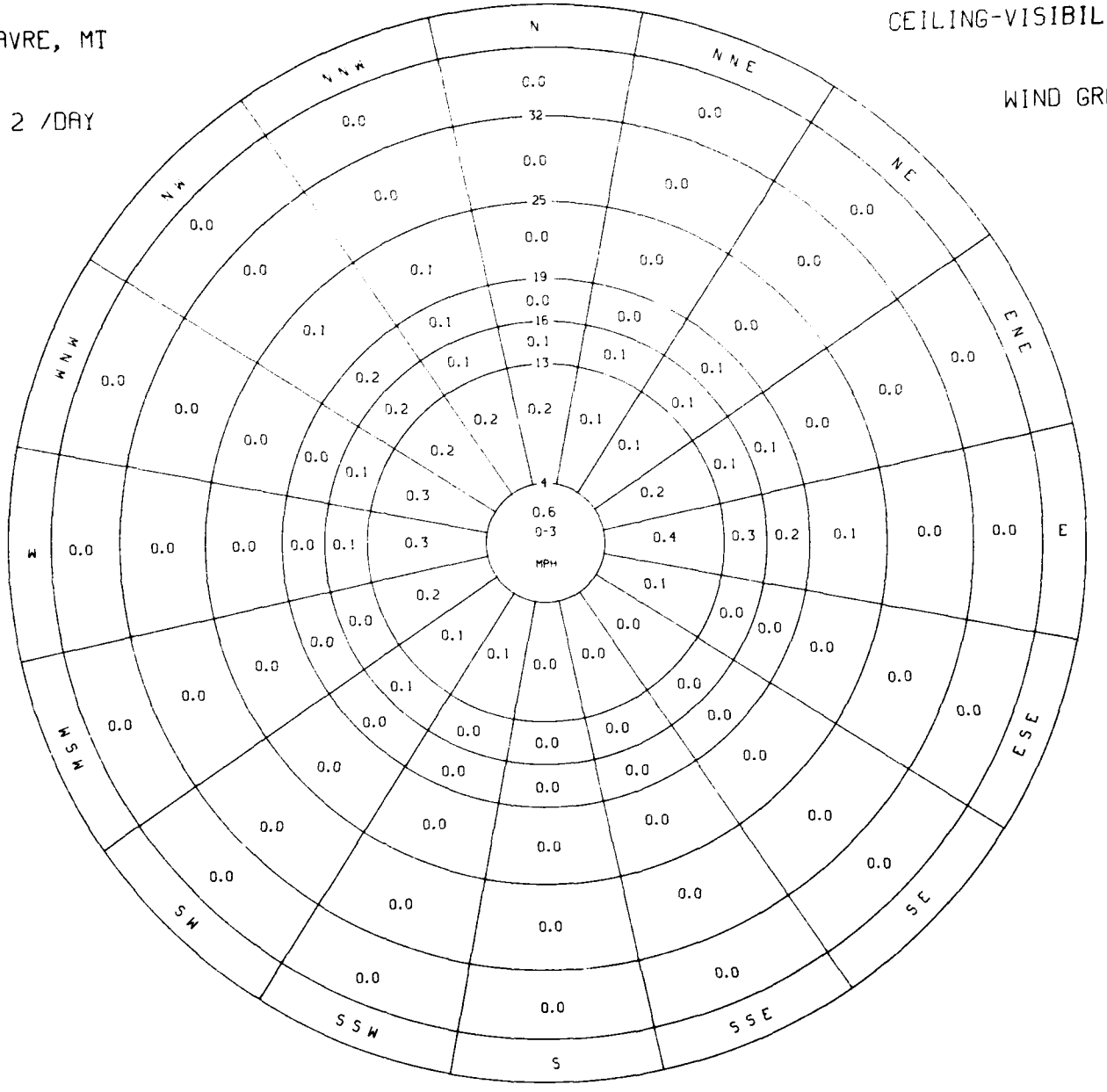
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	1.2	1.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.7	1.9	8.6
N N E	.2	.2	.8	.8	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.2	1.3	8.4
N E	.2	.2	1.4	1.4	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.8	1.9	8.6
E N E	.4	.4	5.0	5.4	.9	.9	.2	.2	.1	.1	.0	.0	.0	.0	6.5	7.0	8.8
E	.6	.6	8.6	9.1	1.6	1.7	1.0	1.0	.5	.5	.1	.1	.0	.0	12.3	13.1	9.8
E S E	.5	.6	2.8	3.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.7	3.9	7.2
S E	.4	.4	1.2	1.3	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	1.7	1.9	6.3
S S E	.3	.3	.8	.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.3	1.3	6.7
S	.4	.4	2.7	2.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.4	6.9
S S W	.2	.2	2.0	2.1	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.6	2.8	8.5
S W	.4	.4	8.4	8.9	3.3	3.5	2.7	2.8	2.2	2.3	.6	.7	.1	.1	17.6	18.8	13.0
W S W	.5	.5	9.6	10.3	2.1	2.3	.9	1.0	.7	.7	.2	.2	.0	.0	14.1	15.0	10.4
W	.5	.5	6.4	6.8	.8	.9	.5	.5	.4	.4	.1	.2	.0	.0	8.8	9.3	9.3
W N W	.4	.4	3.6	3.8	.5	.6	.4	.4	.2	.2	.0	.1	.0	.1	5.2	5.5	9.3
N W	.2	.2	2.0	2.1	.6	.6	.4	.4	.3	.3	.0	.1	.0	.0	3.5	3.7	11.2
N N W	.2	.2	1.5	1.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.6	9.8
C A L M	6.1	6.5													6.1	6.5	
T O T A L	11.7	12.4	57.9	61.6	11.4	12.1	6.8	7.3	4.7	5.0	1.3	1.4	.2	.2	93.9	100	9.4

HVR HAVRE, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 2 / DAY

STATION NUMBER: 94012

NO. OBS.: 752

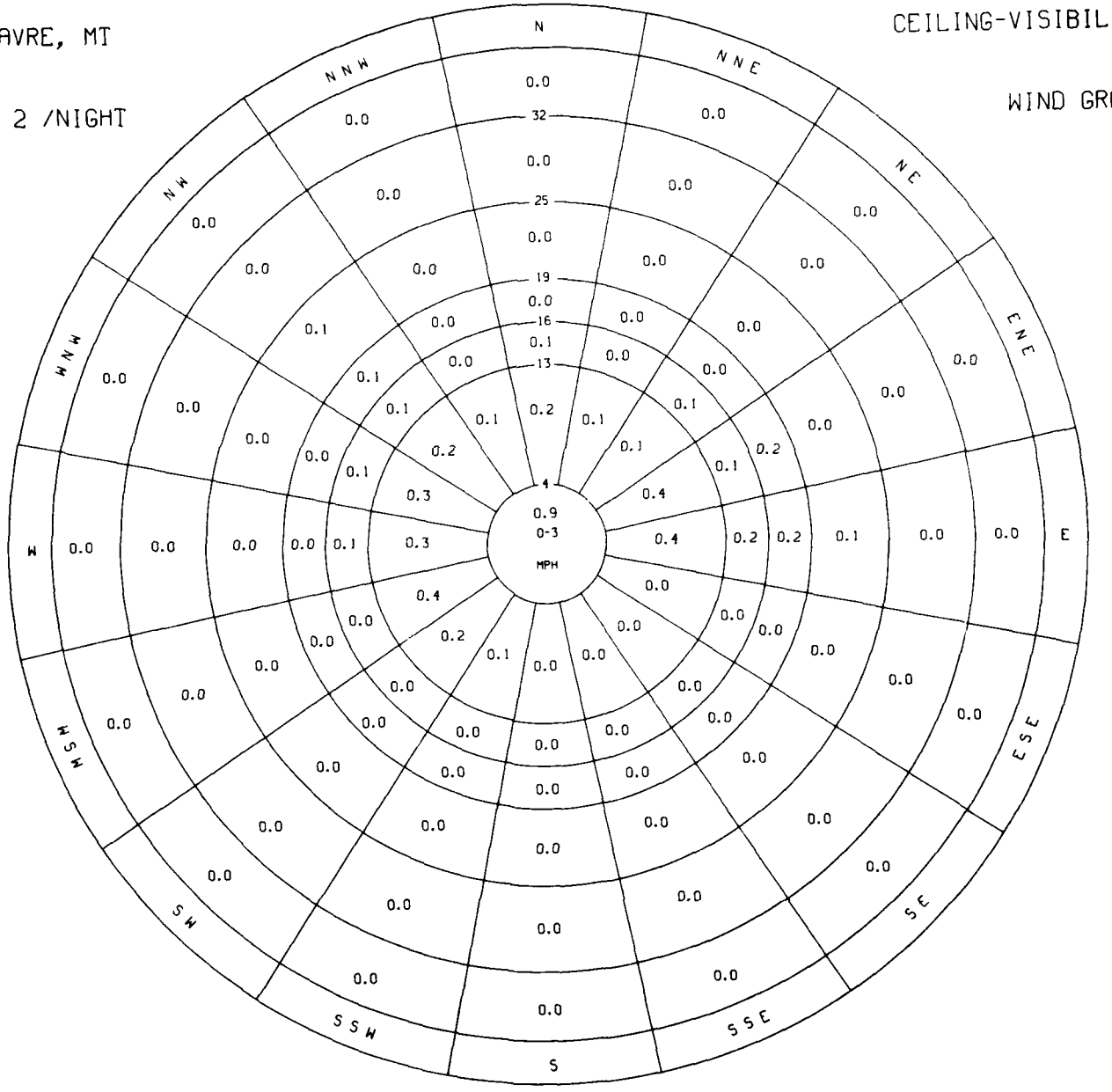
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.2	3.9	.1	1.3	.0	.8	.0	.8	.0	.0	.0	.1	.5	7.3	12.0
NNE	.0	.3	.1	2.1	.1	1.3	.0	.8	.0	.5	.0	.3	.0	.0	.3	5.3	13.4
NE	.0	.1	.1	2.1	.1	.9	.1	1.2	.0	.4	.0	.0	.0	.0	.3	4.8	12.4
ENE	.0	.0	.2	4.0	.1	2.3	.1	1.9	.0	.7	.0	.0	.0	.0	.5	8.8	12.5
E	.0	.7	.4	6.6	.3	4.7	.2	3.5	.1	2.3	.0	.7	.0	.0	1.1	18.4	13.6
ESE	.0	.1	.1	2.3	.0	.1	.0	.4	.0	.4	.0	.1	.0	.0	.2	3.5	10.9
SE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0
SSE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.0
S	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	4.4
SSW	.0	.7	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	5.9
SW	.0	.1	.1	2.3	.1	1.1	.0	.8	.0	.3	.0	.0	.0	.0	.3	4.5	11.4
WSW	.0	.3	.2	3.9	.0	.3	.0	.5	.0	.8	.0	.0	.0	.0	.4	5.7	10.5
W	.0	.7	.3	4.8	.1	1.3	.0	.4	.0	.4	.0	.0	.0	.0	.5	7.6	9.8
WNW	.0	.4	.3	4.3	.1	1.5	.0	.8	.0	.1	.0	.1	.0	.0	.4	7.2	11.4
NW	.0	.0	.2	3.1	.2	2.9	.2	2.5	.1	1.1	.0	.3	.0	.0	.6	9.8	14.4
NNW	.0	.3	.2	3.5	.1	1.9	.1	1.3	.1	1.1	.0	.7	.0	.4	.6	9.0	14.8
CALM	.3	4.9													.3	4.9	
TOTAL	.6	9.3	2.8	44.7	1.2	19.7	.9	14.9	.5	8.8	.1	2.1	.0	.5	6.2	100	11.8

HVR HAVRE, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 2 / NIGHT

STATION NUMBER: 94012

NO. OBS.: 506

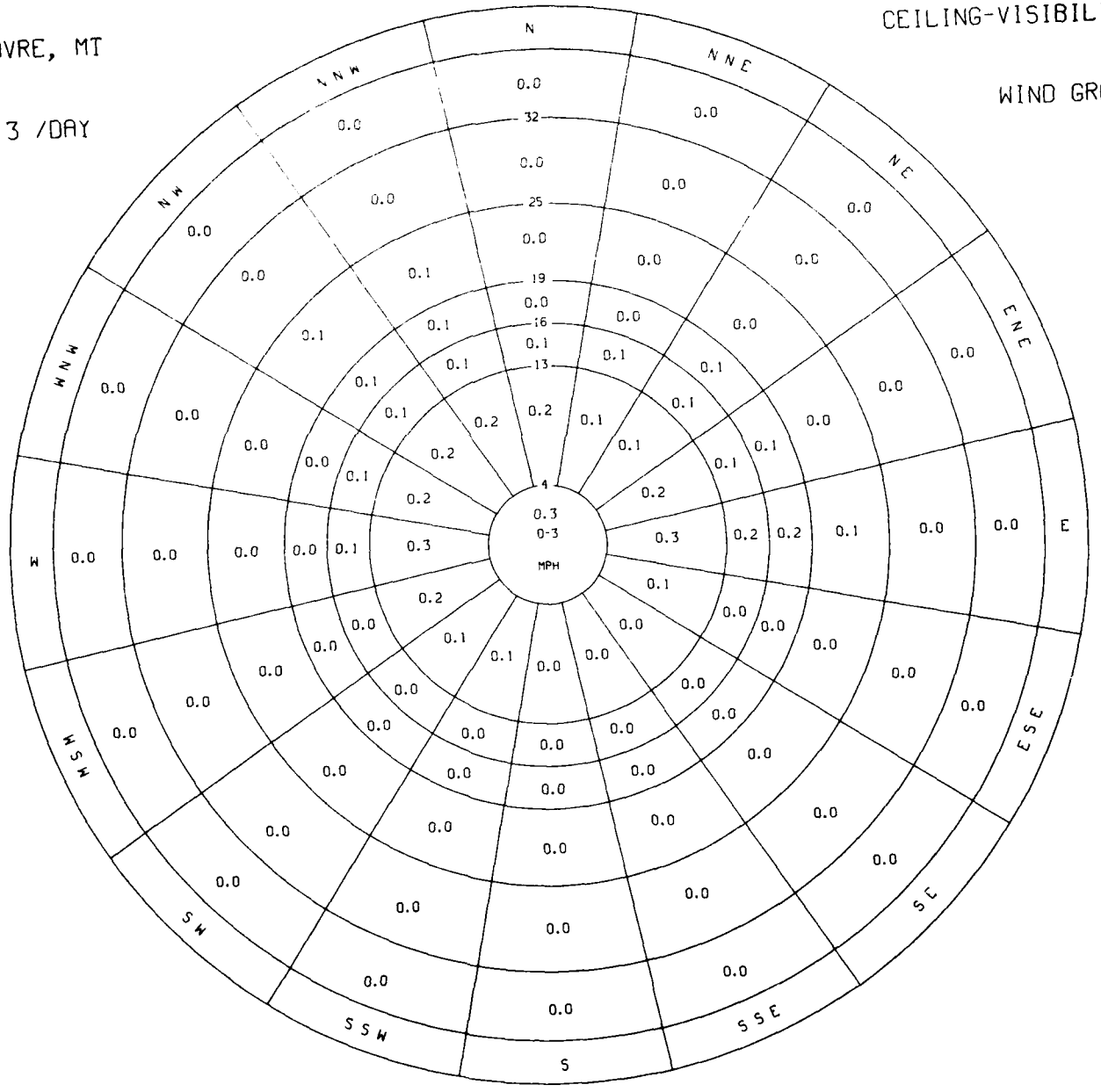
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.2	3.2	.1	1.6	.0	.4	.0	.2	.0	.0	.0	.0	.3	5.3	12.0
NNE	.0	.0	.1	1.8	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.1	2.4	8.8
NE	.0	.2	.1	2.2	.1	1.2	.0	.4	.0	.4	.0	.0	.0	.0	.3	4.3	11.1
ENE	.0	.6	.4	7.1	.1	1.4	.2	3.0	.0	.8	.0	.0	.0	.0	.8	12.8	11.8
E	.0	.4	.4	6.3	.2	3.4	.2	3.2	.1	1.8	.0	.6	.0	.0	1.0	15.6	13.5
ESE	.0	.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.8
SE	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.7
SSE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.0
S	.0	.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	4.7
SSW	.0	.2	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	6.2
SW	.1	1.2	.2	3.6	.0	.6	.0	.2	.0	.8	.0	.2	.0	.0	.4	6.5	10.2
WSW	.0	.6	.4	7.3	.0	.4	.0	.2	.0	.6	.0	.2	.0	.0	.6	9.3	8.1
W	.1	1.6	.3	5.5	.1	1.2	.0	.8	.0	.8	.0	.0	.0	.2	.6	10.1	10.0
WNW	.0	.2	.3	4.9	.1	1.2	.0	.8	.0	.8	.0	.0	.0	.0	.5	7.9	10.9
NW	.0	.4	.2	2.6	.1	1.4	.1	1.4	.1	1.8	.0	.8	.0	.0	.5	8.3	15.0
NNW	.0	.2	.1	2.2	.0	.8	.0	.8	.0	.4	.0	.0	.0	.0	.3	4.3	11.5
CALM	.5	8.7													.5	8.7	
TOTAL	.9	15.4	3.0	49.4	.8	13.4	.7	11.5	.5	8.3	.1	1.8	.0	.2	6.1	100	10.2

HVR HAVRE, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 3 / DAY

STATION NUMBER: 94012

NO. OBS.: 611

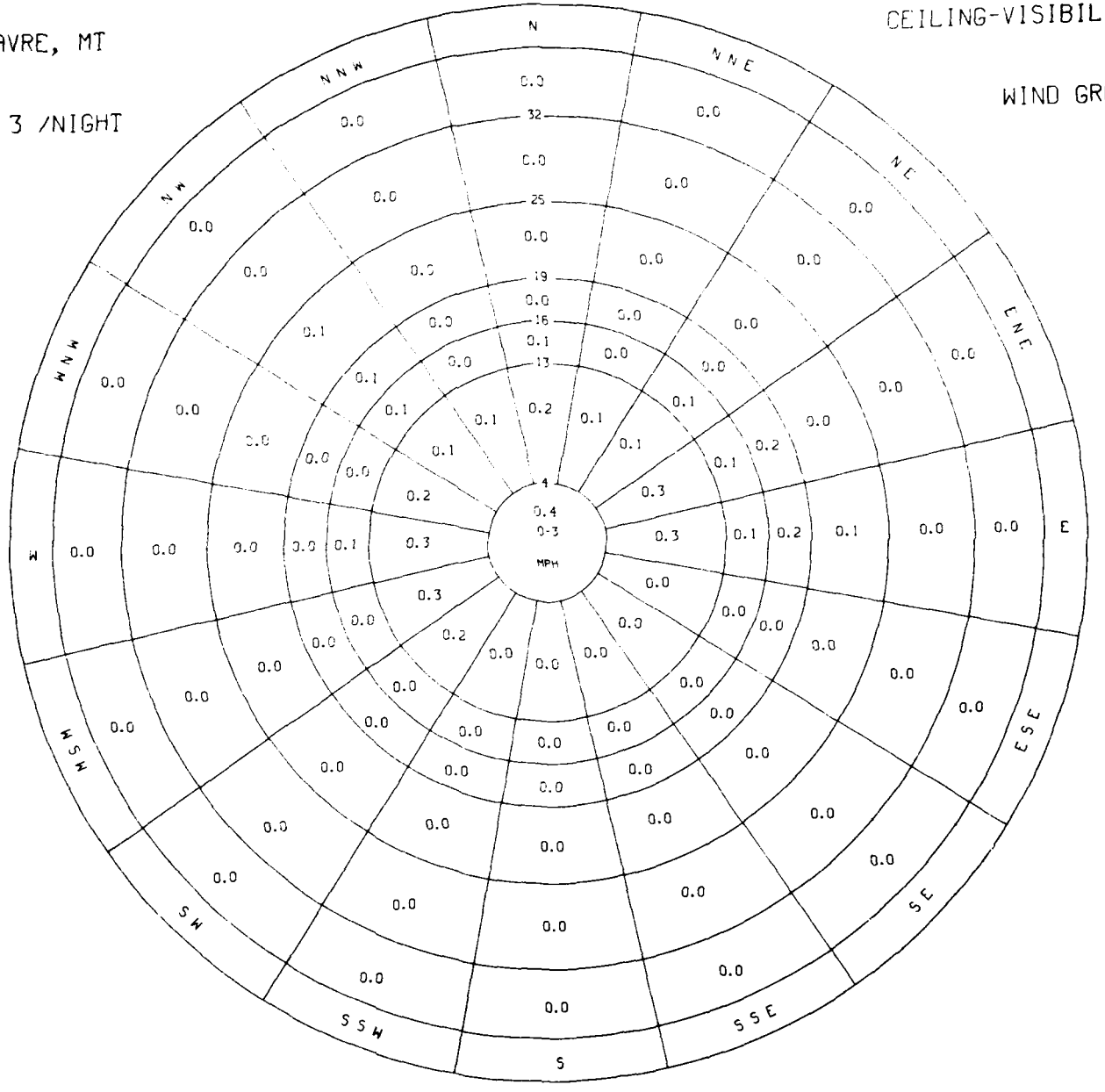
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.2	4.4	.1	1.5	.0	.7	.0	.7	.0	.0	.0	.0	.4	7.7	11.1
NNE	.0	.2	.1	2.6	.1	1.5	.0	1.0	.0	.7	.0	.2	.0	.0	.3	6.1	13.3
NE	.0	.0	.1	1.8	.1	1.1	.1	1.5	.0	.5	.0	.0	.0	.0	.2	4.9	13.7
ENE	.0	.0	.2	3.6	.1	2.8	.1	1.1	.0	.3	.0	.0	.0	.0	.4	7.9	12.0
E	.0	.5	.3	6.1	.2	4.9	.2	3.6	.1	2.3	.0	.5	.0	.0	.9	17.8	13.8
ESE	.0	.0	.1	2.1	.0	.2	.0	.5	.0	.3	.0	.2	.0	.0	.2	3.3	11.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.5
SSW	.0	.3	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	6.2
SW	.0	.2	.1	2.1	.0	.8	.0	1.0	.0	.3	.0	.0	.0	.0	.2	4.4	11.9
WSW	.0	.2	.2	3.4	.0	.2	.0	.7	.0	1.0	.0	.0	.0	.0	.3	5.4	11.4
W	.0	.5	.3	5.1	.1	1.6	.0	.5	.0	.5	.0	.0	.0	.0	.4	8.2	10.4
WNW	.0	.5	.2	4.9	.1	1.6	.0	.8	.0	.2	.0	.2	.0	.0	.4	8.2	11.3
NW	.0	.0	.2	3.3	.1	2.6	.1	2.9	.1	1.1	.0	.3	.0	.0	.5	10.3	14.6
NNW	.0	.3	.2	4.3	.1	1.8	.1	1.6	.1	1.1	.0	.8	.0	.5	.5	10.5	14.8
CALM	.2	3.3													.2	3.3	
TOTAL	.3	6.7	2.3	45.2	1.0	20.6	.8	15.9	.5	9.0	.1	2.1	.0	.5	5.0	100	12.2

HVR HAVRE, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 3 / NIGHT

STATION NUMBER: 94012

NO. OBS.: 382

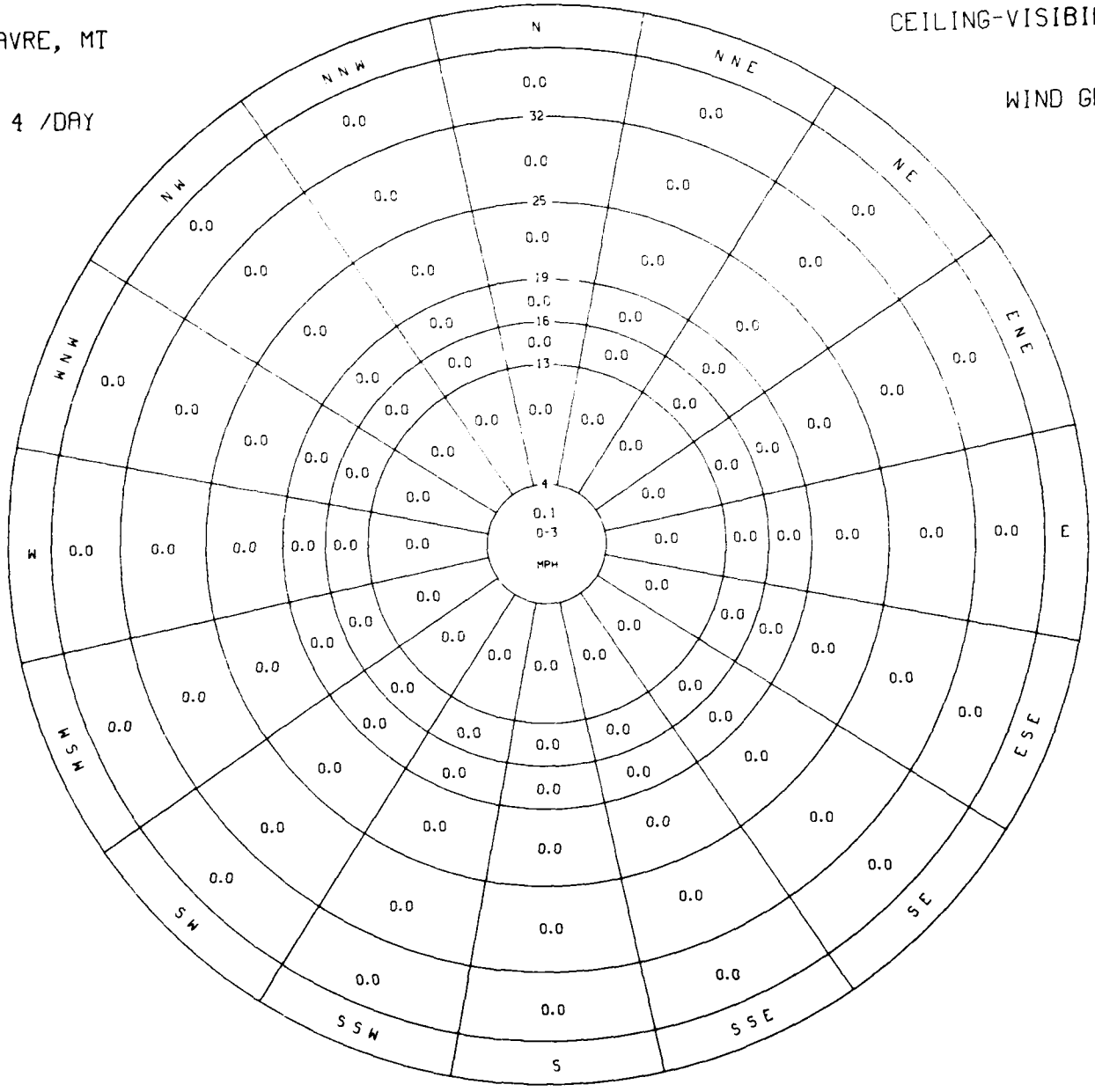
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.2	3.4	.1	1.8	.0	.5	.0	.0	.0	.0	.0	.0	.3	5.8	11.6
NNE	.0	.0	.1	1.8	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.1	2.6	9.5
NE	.0	.0	.1	1.8	.1	1.3	.0	.5	.0	.5	.0	.0	.0	.0	.2	4.2	12.7
ENE	.0	.3	.3	7.3	.1	1.8	.2	3.7	.0	.5	.0	.0	.0	.0	.6	13.6	12.1
E	.0	.5	.3	6.5	.1	3.1	.2	4.2	.1	2.4	.0	.8	.0	.0	.8	17.5	13.9
ESE	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	11.0
SE	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.7
SSE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.0
S	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.5
SSW	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.5
SW	.0	1.0	.2	3.9	.0	.5	.0	.3	.0	1.0	.0	.3	.0	.0	.3	7.1	10.6
WSW	.0	.0	.3	7.1	.0	.5	.0	.3	.0	.8	.0	.3	.0	.0	.4	8.9	9.3
W	.0	.3	.3	5.8	.1	1.6	.0	1.0	.0	1.0	.0	.0	.0	.3	.5	9.9	11.8
WNW	.0	.3	.2	5.2	.0	.8	.0	1.0	.0	.8	.0	.0	.0	.0	.4	8.1	10.9
NW	.0	.3	.1	2.6	.1	1.6	.1	1.6	.1	1.8	.0	1.0	.0	.0	.4	8.9	15.8
NNW	.0	.3	.1	2.6	.0	1.0	.0	.8	.0	.5	.0	.0	.0	.0	.2	5.2	11.5
CALM	.2	5.0													.2	5.0	
TOTAL	.4	8.4	2.3	50.5	.7	14.7	.7	14.4	.4	9.4	.1	2.4	.0	.3	4.6	100	11.4

HVR HAVRE, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 4 / DAY

STATION NUMBER: 94012

NO. OBS.: 84

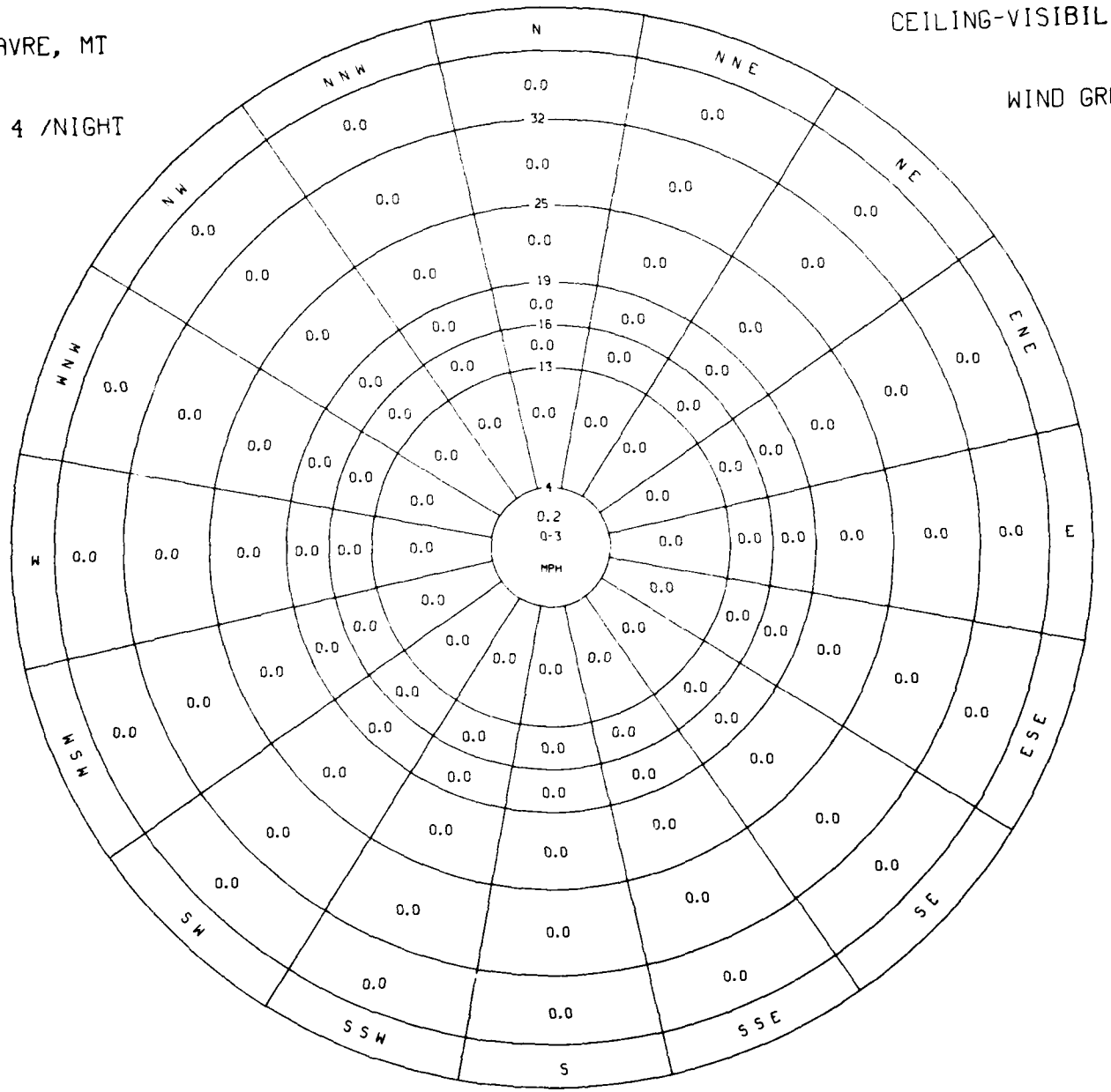
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.4	.0	1.2	.0	2.4	.0	2.4	.0	.0	.0	.0	.1	8.3	15.3
NNE	.0	1.2	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.5
NE	.0	1.2	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	6.4
ENE	.0	.0	.0	6.0	.0	.0	.0	7.1	.0	2.4	.0	.0	.0	.0	.1	15.5	14.4
E	.0	1.2	.0	6.0	.0	4.8	.0	4.8	.0	3.6	.0	2.4	.0	.0	.2	22.6	15.1
ESE	.0	1.2	.0	2.4	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	4.8	9.7
SE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.0
SSE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.0
S	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.0
SSW	.0	1.2	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	7.0
SW	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	9.5
WSW	.0	1.2	.0	3.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	7.8
W	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	5.5
WNW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	12.0
NW	.0	.0	.0	2.4	.0	3.6	.0	1.2	.0	1.2	.0	.0	.0	.0	.1	8.3	13.3
NNW	.0	.0	.0	.0	.0	3.6	.0	.0	.0	1.2	.0	.0	.0	.0	.0	4.8	15.7
CALM	.0	3.6													.0	3.6	
TOTAL	.1	14.3	.3	38.1	.1	17.9	.1	15.5	.1	11.9	.0	2.4	.0	.0	.7	100	11.4

HVR HAVRE, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 4 / NIGHT

STATION NUMBER: 94012

NO. OBS.: 61

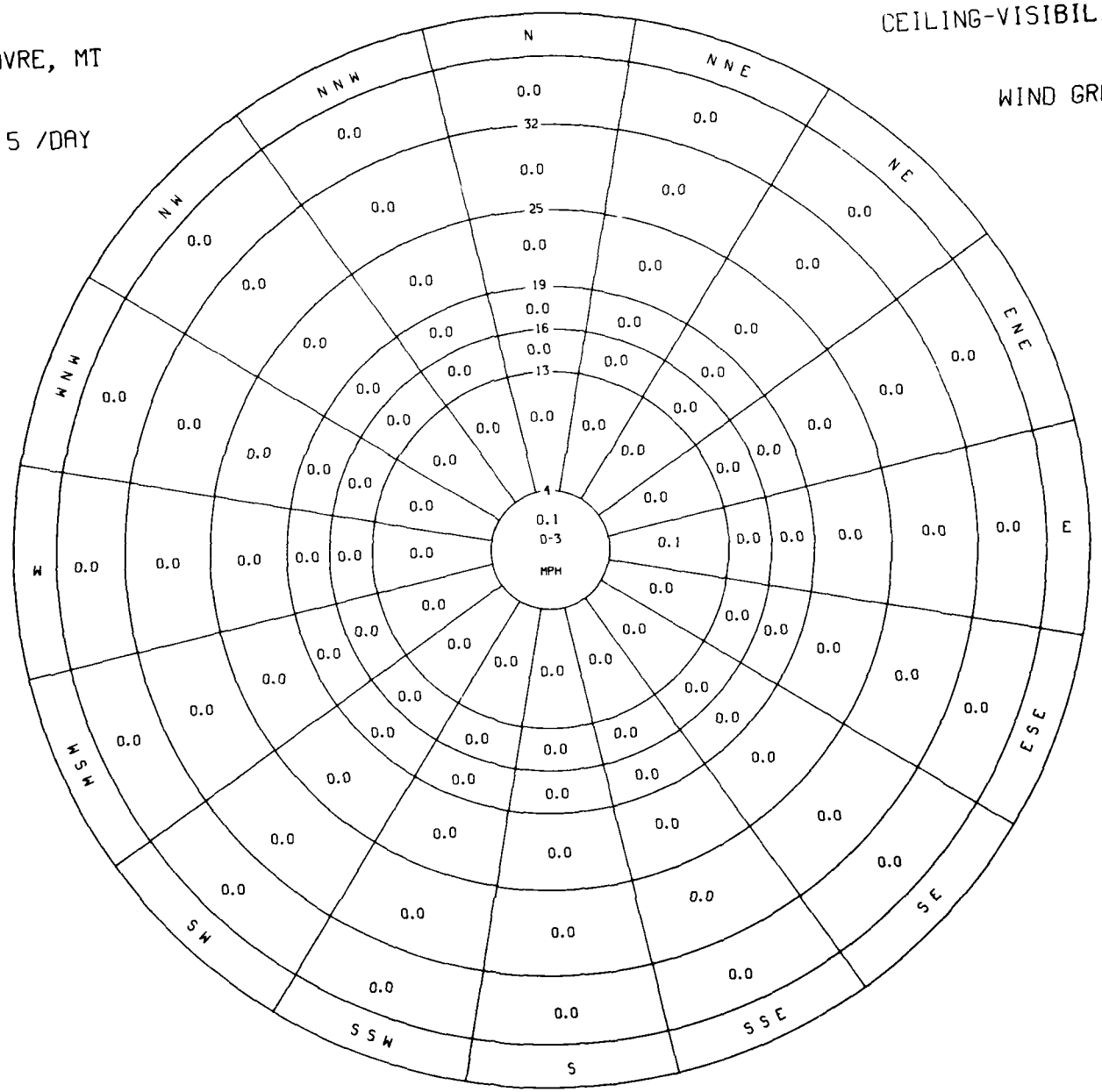
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.9	.0	1.6	.0	.0	.0	1.6	.0	.0	.0	.0	.1	8.2	13.8
NNE	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.0
NE	.0	1.6	.0	4.9	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.2	7.0
ENE	.0	.0	.0	4.9	.0	.0	.0	1.6	.0	3.3	.0	.0	.0	.0	.1	9.8	14.3
E	.0	.0	.0	4.9	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.8	11.2
ESE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.6	.0	4.9	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.2	9.4
WSW	.0	3.3	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.2	5.0
W	.0	4.9	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.8	5.2
WNW	.0	.0	.0	3.3	.0	4.9	.0	.0	.0	1.6	.0	.0	.0	.0	.1	9.8	13.0
NW	.0	1.6	.0	.0	.0	1.6	.0	1.6	.0	3.3	.0	.0	.0	.0	.1	8.2	15.0
NNW	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	18.0
CALM	.1	11.5													.1	11.5	
TOTAL	.2	26.2	.3	42.6	.1	16.4	.0	4.9	.1	9.8	.0	.0	.0	.0	.7	100	9.0

HVR HAVRE, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 5 / DAY

STATION NUMBER: 94012

NO. OBS.: 43

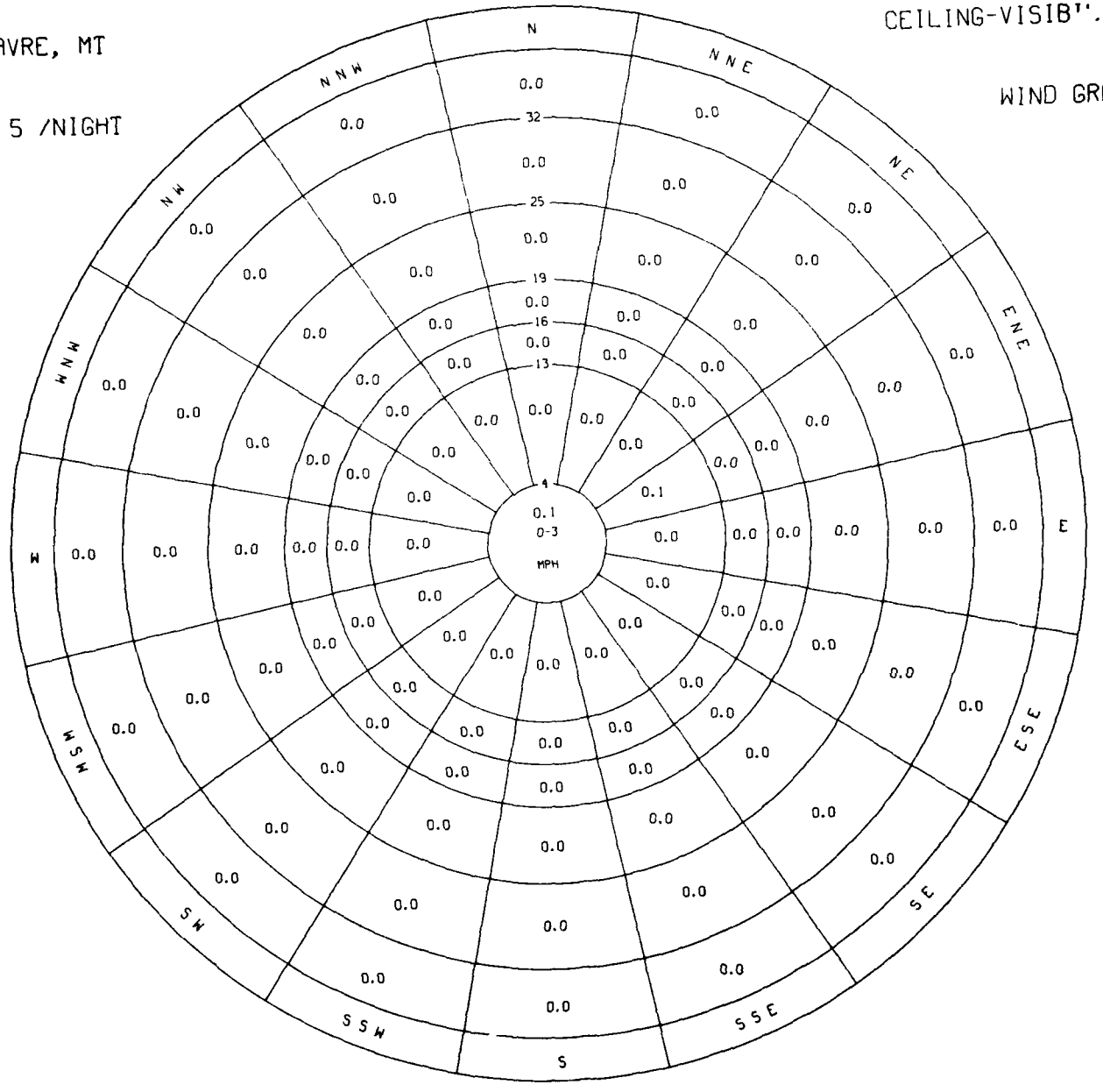
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	2.3	32.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	2.3	25.0
NE	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.0
ENE	.0	.0	.0	4.7	.0	.0	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	9.3	12.5
E	.0	2.3	.1	16.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	20.9	8.6
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.0
SSW	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.0
SW	.0	.0	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	10.0
WSW	.0	.0	.0	9.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	7.5
W	.0	.0	.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.3
WNW	.0	.0	.0	.0	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	4.7	16.0
NW	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	14.5
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	25.6													.1	25.6	
TOTAL	.1	32.6	.2	44.2	.0	11.6	.0	4.7	.0	2.3	.0	2.3	.0	2.3	.4	100	7.6

HVR HAVRE, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 5 / NIGHT

STATION NUMBER: 94012

NO. OBS.: 33

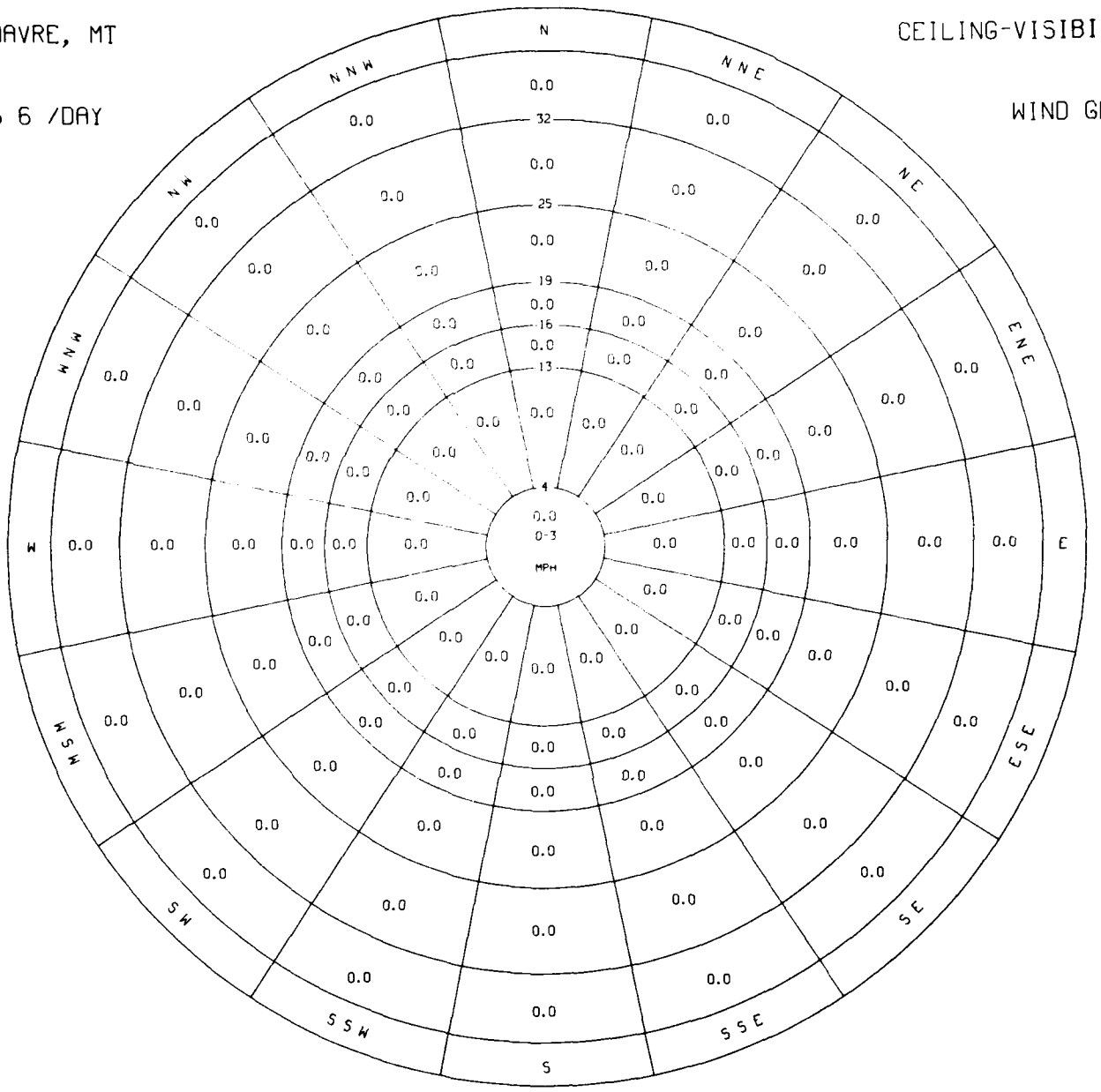
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	3.0	.1	15.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	18.2	7.7
E	.0	.0	.0	9.1	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	15.2	11.8
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	4.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.0
WSW	.0	.0	.0	12.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	5.2
W	.0	6.1	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	4.5
WNW	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.0
NW	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	6.3
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	21.2													.1	21.2	
TOTAL	.1	36.4	.2	57.6	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	100	5.5

HVR HAVRE, MT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 6 / DAY

STATION NUMBER: 94012

NO. OBS.: 14

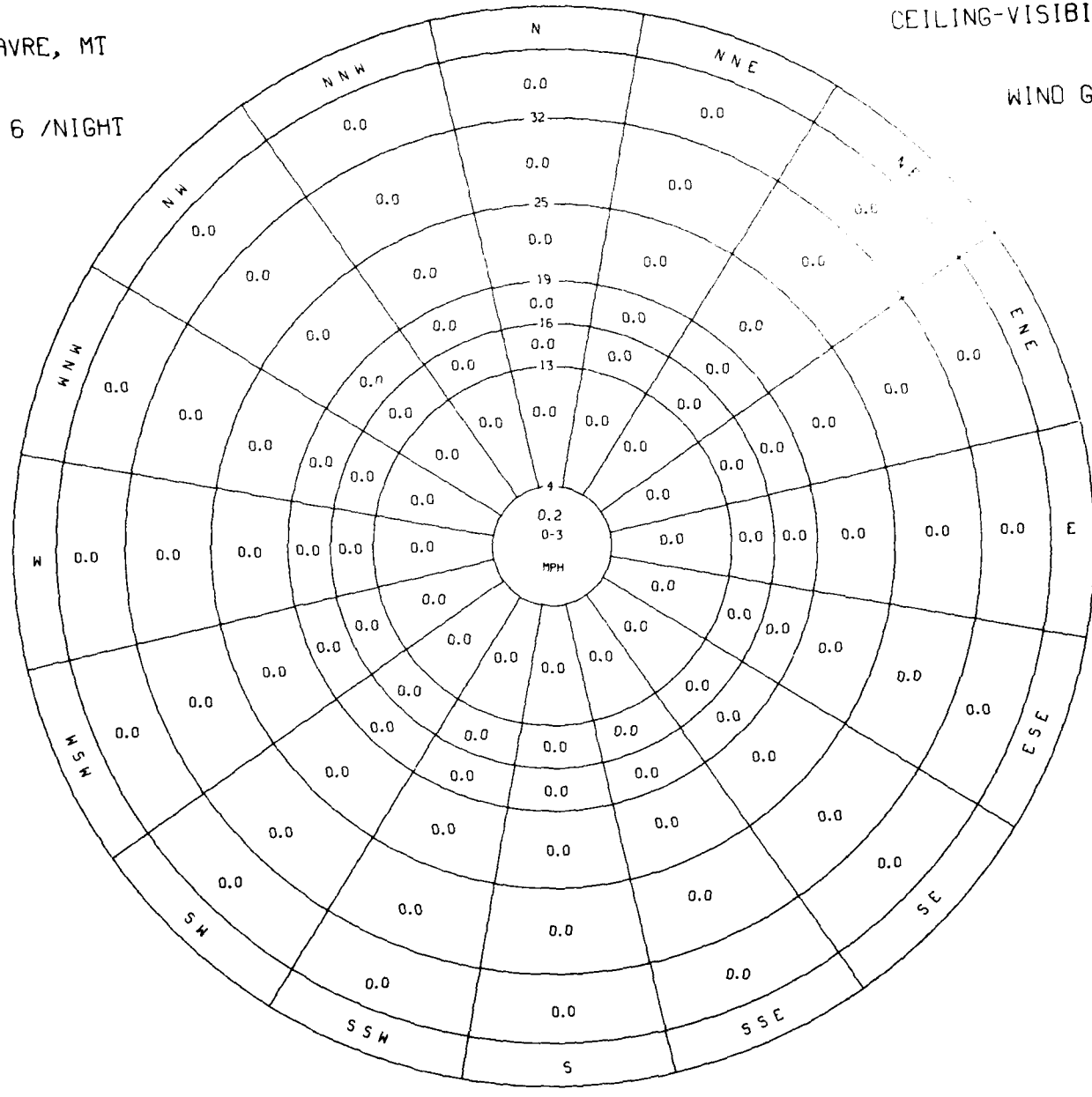
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
ENE	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1			9.0
E	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1			7.0
ESE	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3			5.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
SW	.0	.0	.0	14.3	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.4			9.0
WSW	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1			7.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
WNW	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1			6.0
NW	.0	.0	.0	7.1	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3			13.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0
CALM	.0	21.4													.0	21.4			
TOTAL	.0	21.4	.1	64.3	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	100			6.6

HVR HAVRE, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HVR HAVRE, MT

PERIOD: 1967-1973

CLASS 6 / NIGHT

STATION NUMBER: 94012

NO. OBS.: 30

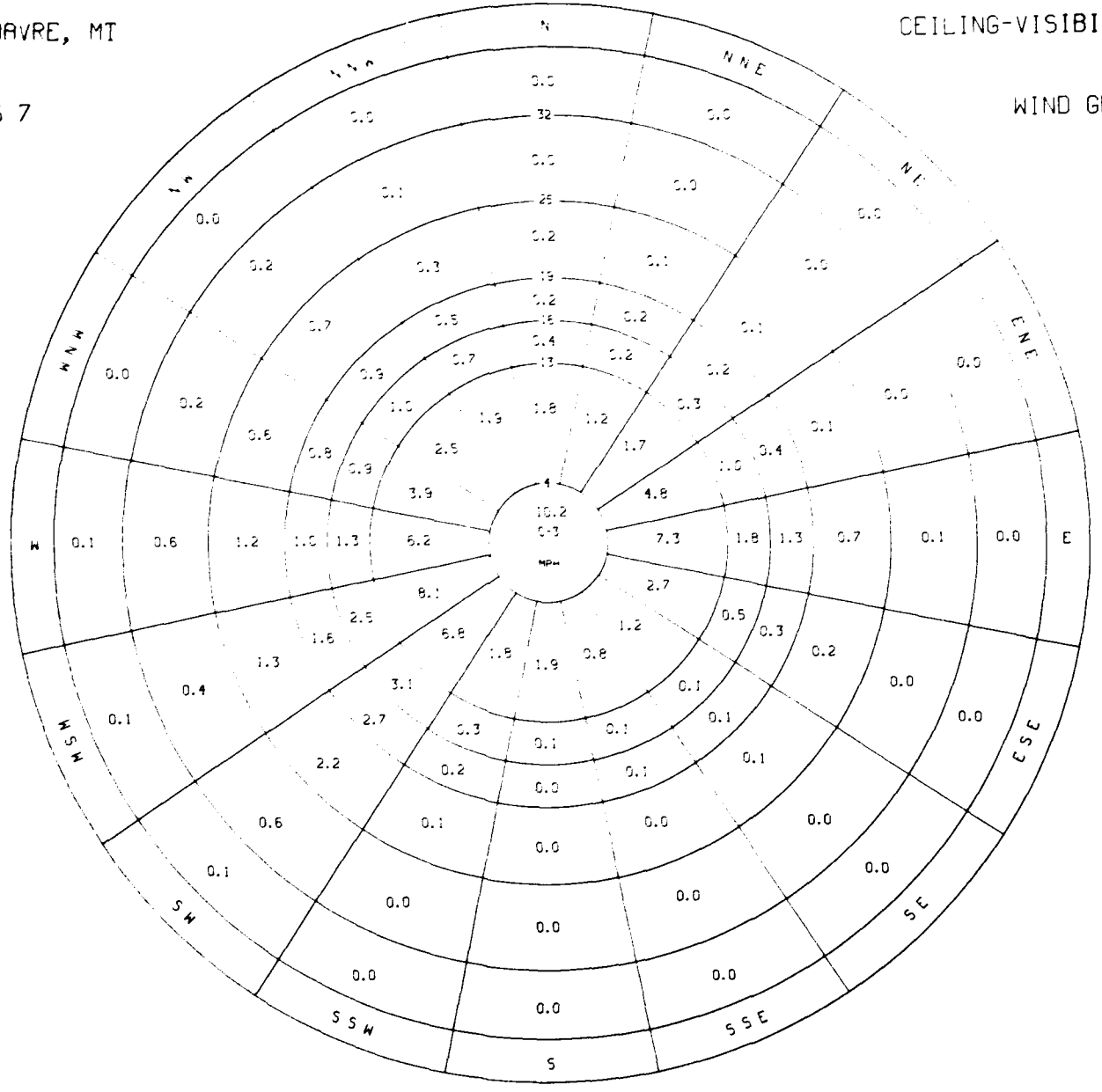
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.0
ENE	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.0
E	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	12.0
ESE	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	3.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	3.3	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	4.5
SSW	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	5.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	3.3	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	4.7
W	.0	6.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	4.0
WNW	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.0
CALM	.1	36.7													.1	36.7	
TOTAL	.2	60.0	.1	40.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	100	3.2

HVR HAVRE, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

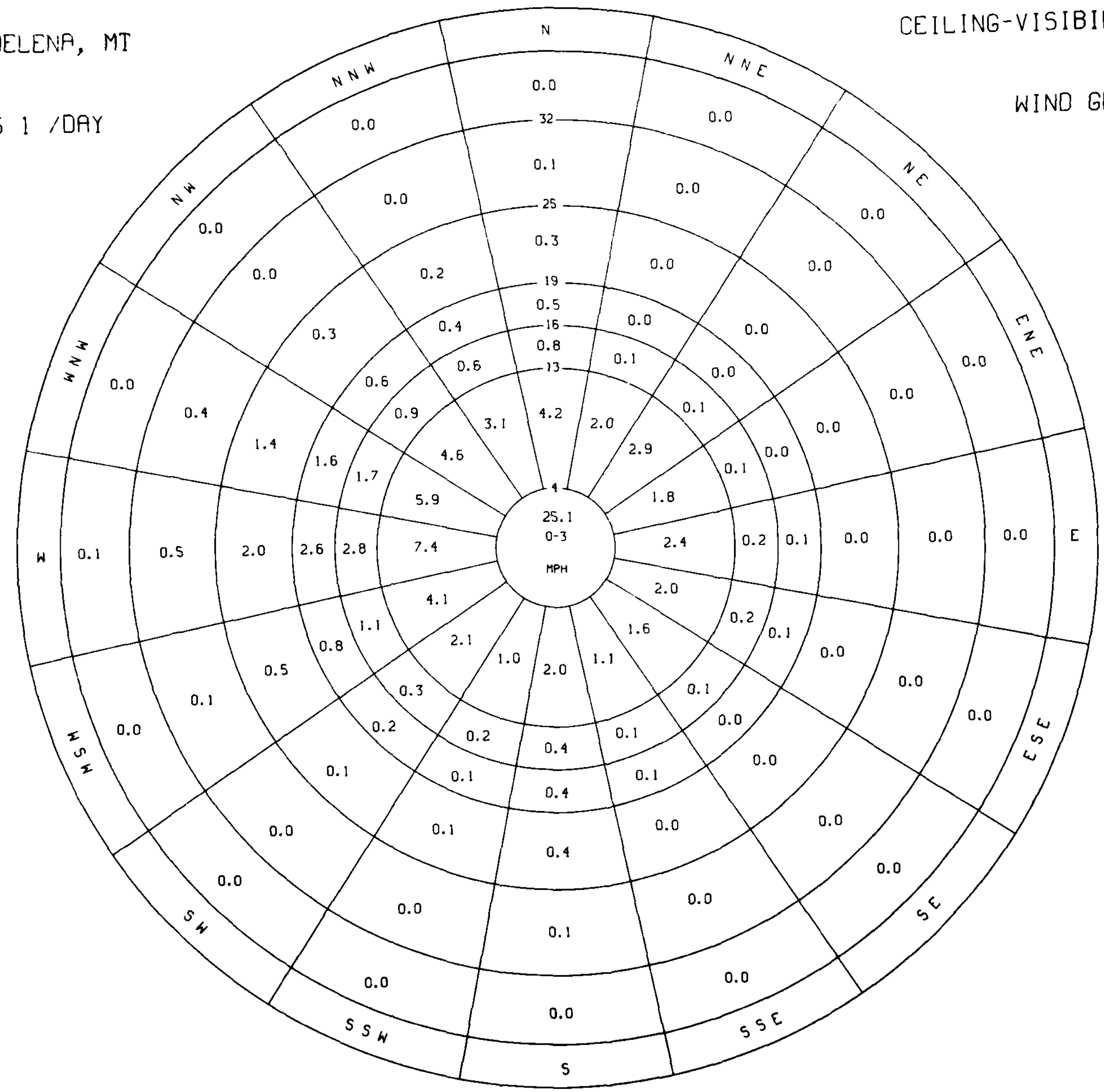


HLN HELENA, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24144

NO. OBS.: 51614

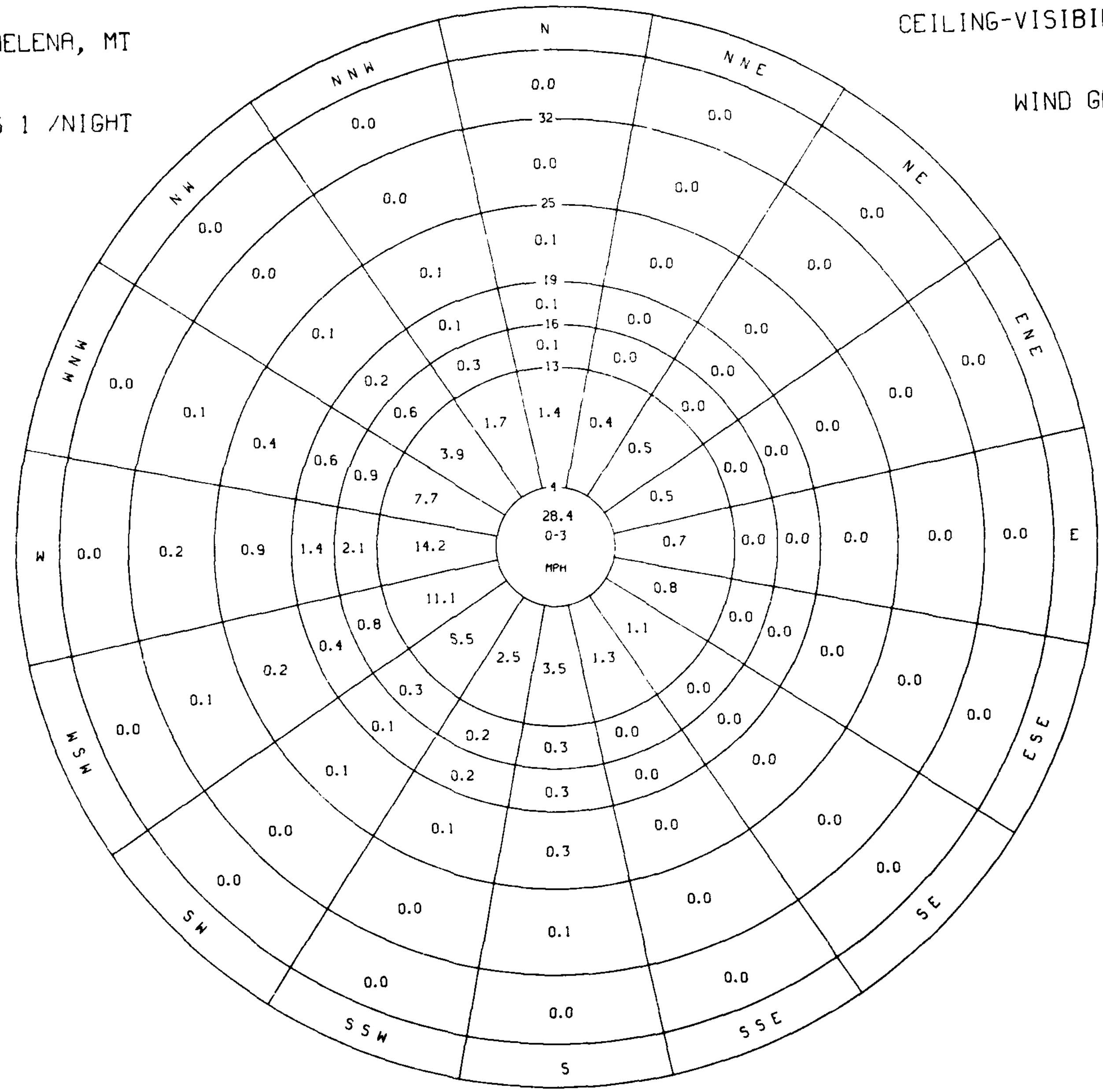
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	2.2	2.2	4.2	4.4	.8	.8	.5	.5	.3	.4	.1	.1	.0	.0	8.1	8.3	8.1
NNE	1.1	1.2	2.0	2.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.4	6.0
NE	1.7	1.8	2.9	3.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.9	5.5
ENE	.9	1.0	1.8	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8	2.9	5.6
E	1.0	1.0	2.4	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.7	3.8	6.7
ESE	.8	.8	2.0	2.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.1	7.1
SE	.8	.8	1.6	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.6	6.2
SSE	.6	.6	1.1	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.9	2.0	6.9
S	1.1	1.1	2.0	2.0	.4	.4	.4	.4	.4	.4	.1	.1	.0	.0	4.3	4.5	9.3
SSW	.6	.6	1.0	1.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.2	8.2
SW	.9	.9	2.1	2.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.6	3.7	7.5
WSW	1.2	1.3	4.1	4.2	1.1	1.1	.8	.8	.5	.5	.1	.1	.0	.0	7.8	8.0	10.0
W	1.4	1.5	7.4	7.5	2.8	2.8	2.6	2.7	2.0	2.1	.5	.5	.1	.1	16.7	17.2	12.3
WNW	1.4	1.5	5.9	6.1	1.7	1.8	1.6	1.6	1.4	1.5	.4	.4	.0	.0	12.6	12.9	11.5
NW	1.8	1.8	4.6	4.7	.9	.9	.6	.6	.3	.3	.0	.1	.0	.0	8.2	8.4	8.6
NNW	1.2	1.2	3.1	3.2	.6	.6	.4	.4	.2	.2	.0	.0	.0	.0	5.7	5.8	8.6
CALM	6.2	6.4													6.2	6.4	
TOTAL	25.1	25.7	48.2	49.4	9.6	9.9	7.5	7.7	5.6	5.8	1.3	1.4	.2	.2	97.5	100	8.6

HLN HELENA, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24144

NO. OBS.: 36620

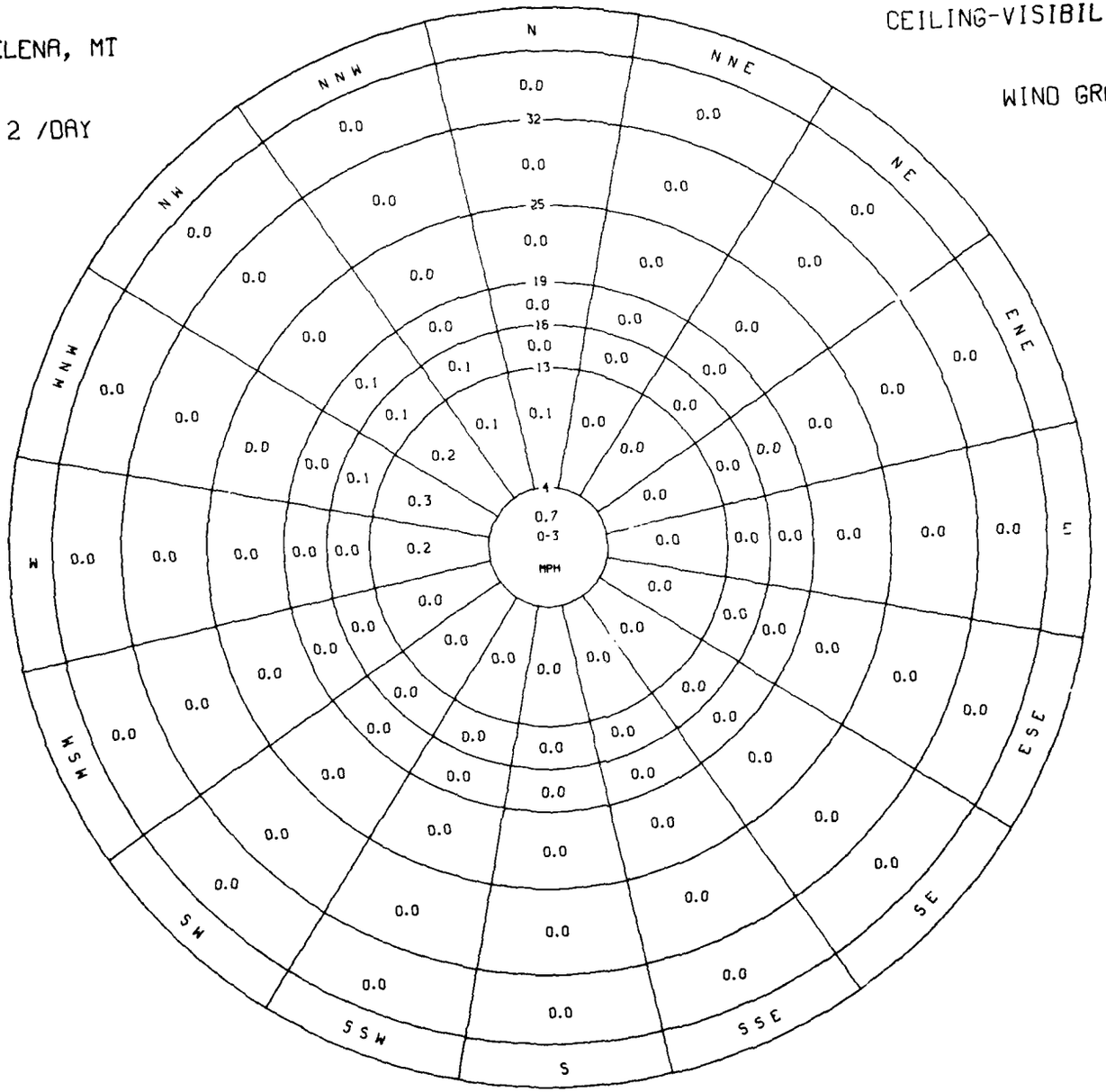
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.0	1.0	1.4	1.4	.1	.2	.1	.2	.1	.1	.0	.0	.0	.0	2.7	2.8	6.8
NNE	.5	.5	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	4.4
NE	.6	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	4.4
ENE	.5	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	4.4
E	.5	.5	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2	5.0
ESE	.6	.6	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	5.0
SE	1.0	1.0	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.2	4.8
SSE	.8	.8	1.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.3	5.5
S	2.2	2.2	3.5	3.6	.3	.3	.3	.3	.3	.3	.1	.2	.0	.0	6.6	6.8	7.2
SSW	1.3	1.3	2.5	2.6	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	4.2	4.3	6.5
SW	2.4	2.5	5.5	5.6	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	8.4	8.6	6.2
WSW	2.8	2.8	11.1	11.4	.8	.9	.4	.5	.2	.2	.1	.1	.0	.0	15.5	15.9	7.5
W	2.8	2.9	14.2	14.6	2.1	2.2	1.4	1.5	.9	.9	.2	.2	.0	.0	21.7	22.4	9.2
WNW	1.7	1.7	7.7	7.9	.9	1.0	.6	.6	.4	.4	.1	.1	.0	.0	11.3	11.7	8.5
NW	1.5	1.5	3.9	4.1	.6	.6	.2	.2	.1	.1	.0	.0	.0	.0	6.3	6.5	7.4
NNW	.7	.7	1.7	1.7	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.9	3.0	7.8
CALM	7.7	7.9													7.7	7.9	
TOTAL	28.4	29.2	56.7	58.3	5.8	6.0	3.5	3.6	2.2	2.3	.6	.6	.1	.1	97.2	100	6.9

HLN HELENA, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 24144

NO. OBS.: 1300

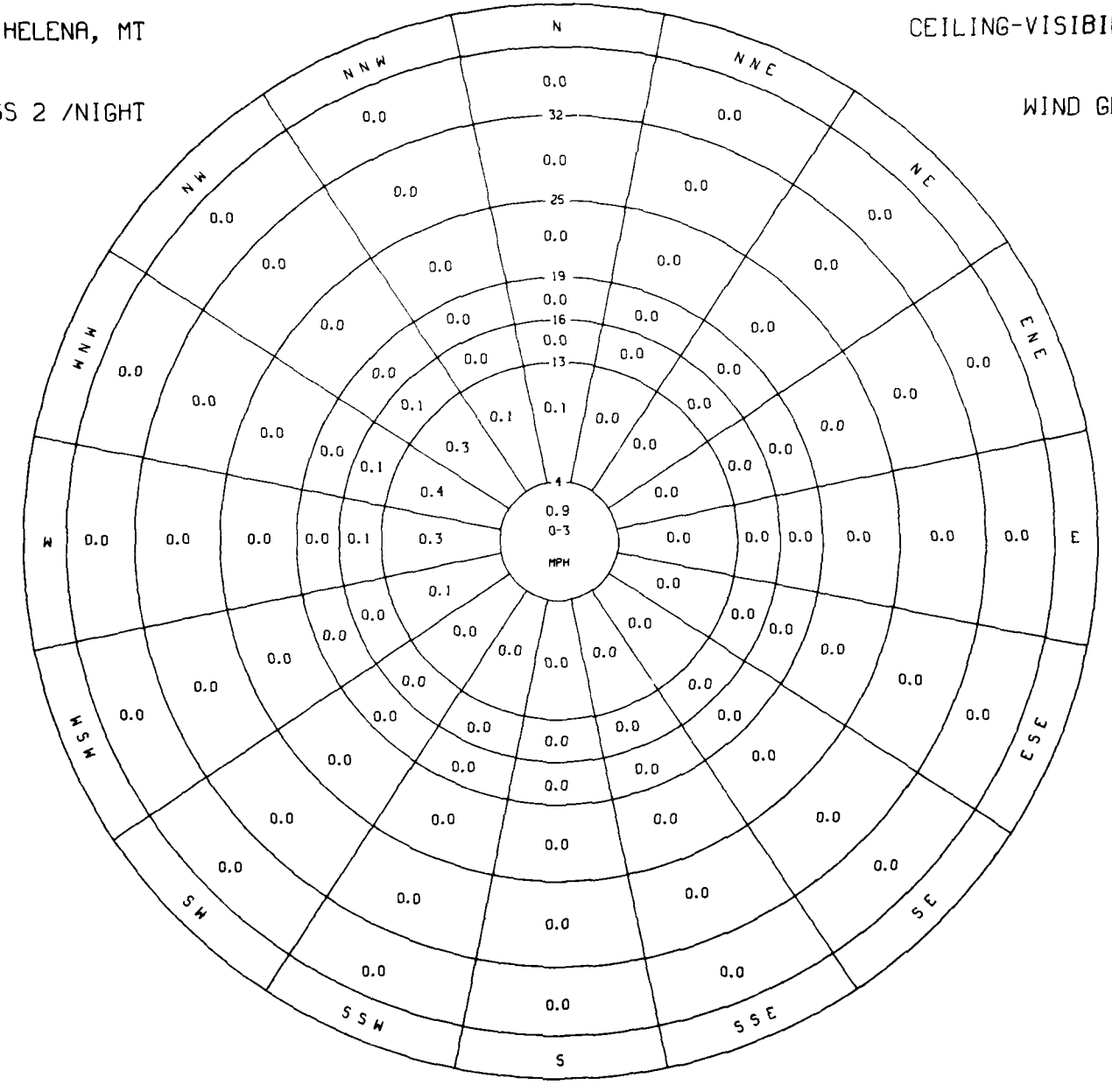
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	2.5	.1	4.3	.0	1.2	.0	1.2	.0	.2	.0	.0	.0	.1	.2	9.5	8.8
NNE	.0	.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.0
NE	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	3.3
ENE	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.3
E	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.0
ESE	.0	.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.0
SE	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.3
SSE	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.5
S	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.4
SSW	.0	.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.2
SW	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.6
WSW	.0	.8	.0	1.5	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.1	2.6	6.5
W	.0	1.0	.2	9.3	.0	.8	.0	.6	.0	.7	.0	.1	.0	.0	.3	12.5	9.2
WNW	.0	1.7	.3	13.3	.1	2.8	.0	1.3	.0	.2	.0	.1	.0	.0	.5	19.4	9.6
NW	.0	1.8	.2	9.6	.1	4.0	.1	2.4	.0	.9	.0	.0	.0	.1	.5	18.8	11.0
NNW	.1	2.4	.1	5.8	.1	2.6	.0	1.7	.0	.7	.0	.3	.0	.1	.3	13.6	10.6
CALM	.3	11.9													.3	11.9	
TOTAL	.7	29.6	1.2	48.0	.3	11.5	.2	7.5	.1	2.7	.0	.5	.0	.2	2.5	100	7.9

HLN HELENA, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24144

NO. OBS.: 1041

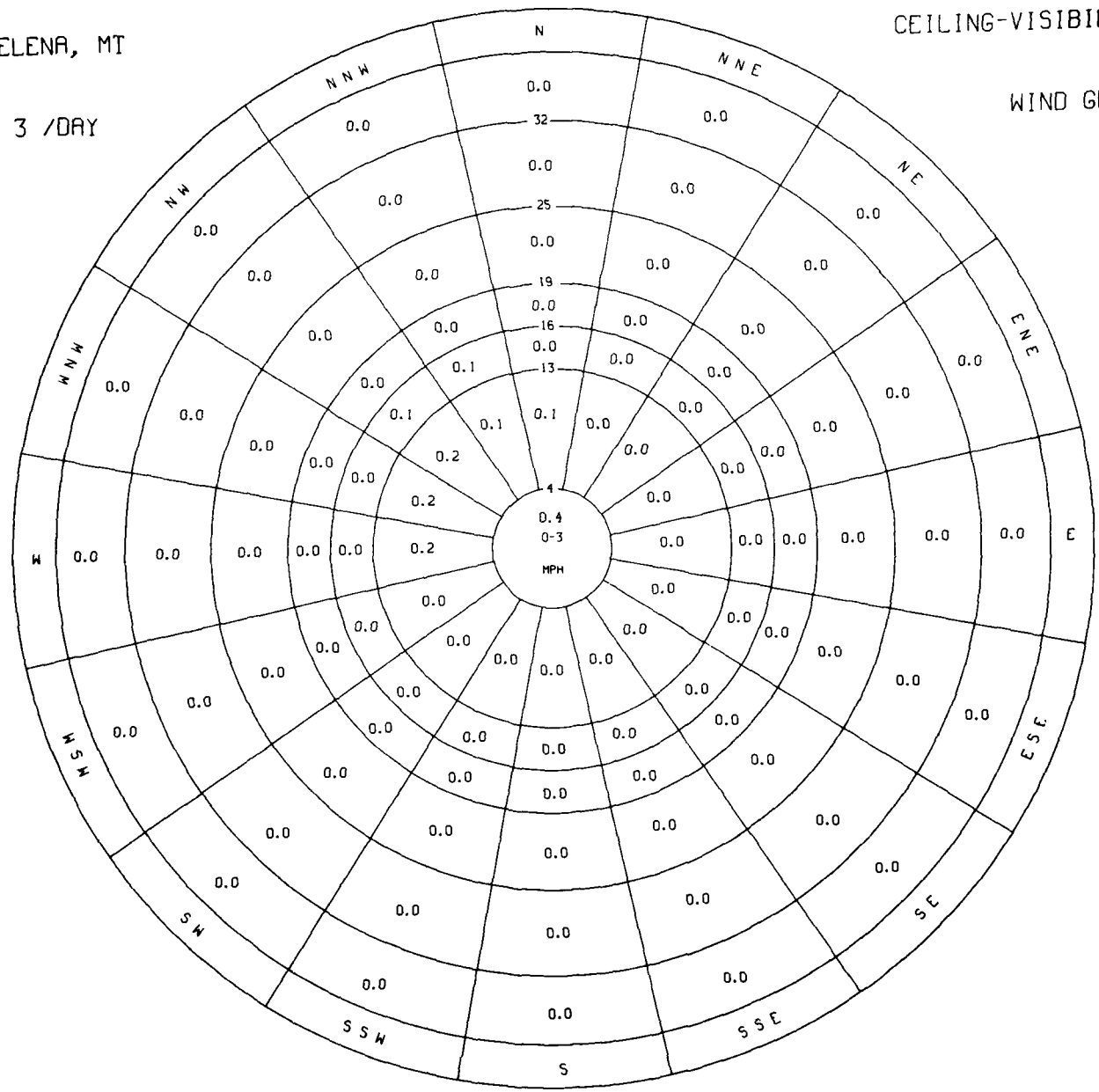
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	2.0	.1	2.7	.0	1.2	.0	1.0	.0	.4	.0	.2	.0	.0	.2	7.5	9.9
NNE	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.8
NE	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.3
ENE	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.3
E	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.2
ESE	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.4
SE	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.2
SSE	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.3
S	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.1
SSW	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0
SW	.0	.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.1
WSW	.1	1.8	.1	3.2	.0	.3	.0	.1	.0	.2	.0	.0	.0	.0	.2	5.6	6.1
W	.0	1.5	.3	11.7	.1	2.2	.0	.2	.0	.1	.0	.3	.0	.0	.4	16.0	8.9
WNW	.1	1.8	.4	13.6	.1	3.5	.0	1.2	.0	.3	.0	.1	.0	.0	.6	20.6	9.8
NW	.1	3.2	.3	10.2	.1	3.2	.0	1.6	.0	1.1	.0	.1	.0	.0	.5	19.3	10.0
NNW	.0	1.5	.1	3.5	.0	1.3	.0	1.2	.0	.3	.0	.1	.0	.0	.2	8.0	10.3
CALM	.4	13.3													.4	13.3	
TOTAL	.9	31.1	1.3	48.7	.3	11.7	.1	5.4	.1	2.3	.0	.8	.0	.0	2.8	100	7.6

HLN HELENA, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24144

NO. OBS.: 936

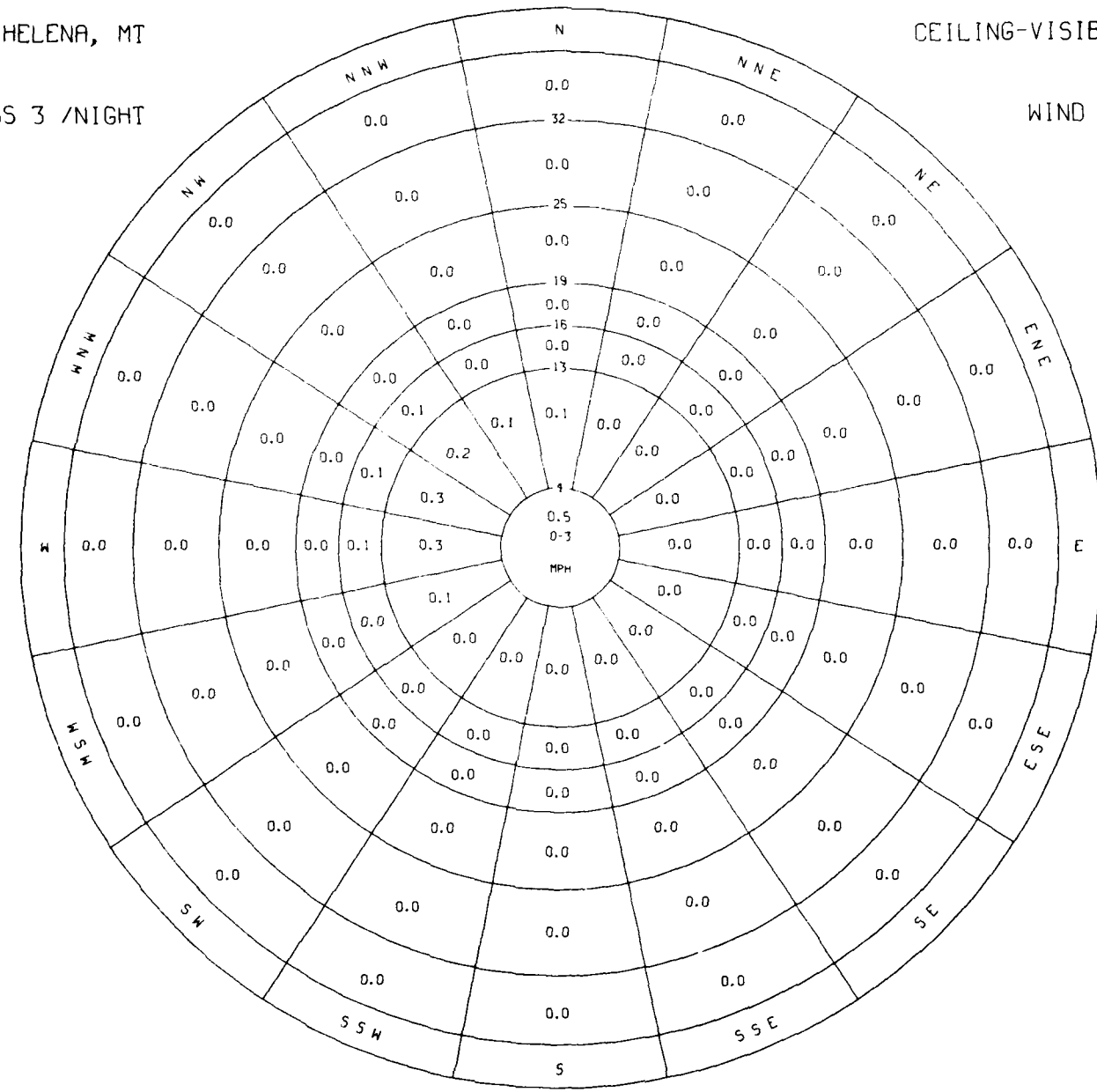
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.2	.1	4.7	.0	1.3	.0	1.6	.0	.1	.0	.0	.0	.0	.2	9.9	9.3
NNE	.0	.6	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.2
NE	.0	1.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.7
ENE	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.2
E	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.2
ESE	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.4
SE	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.4
SSE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.7
S	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.5
SSW	.0	.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.6
SW	.0	.6	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.2
WSW	.0	.5	.0	1.7	.0	.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	2.6	7.7
W	.0	.7	.2	10.0	.0	.7	.0	.7	.0	.7	.0	.0	.0	.0	.2	13.0	9.3
WNW	.0	1.6	.2	13.6	.0	2.8	.0	1.2	.0	.0	.0	.0	.0	.0	.3	19.1	9.4
NW	.0	1.4	.2	10.5	.1	4.2	.0	2.5	.0	.7	.0	.0	.0	.1	.3	19.3	11.2
NNW	.0	2.4	.1	7.2	.1	3.1	.0	1.7	.0	.6	.0	.2	.0	.0	.3	15.2	10.3
CALM	.2	10.0													.2	10.0	
TOTAL	.4	25.2	.9	52.0	.2	12.1	.1	8.0	.0	2.2	.0	.3	.0	.1	1.8	100	8.3

HLN HELENA, MT

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24144

NO. OBS.: 770

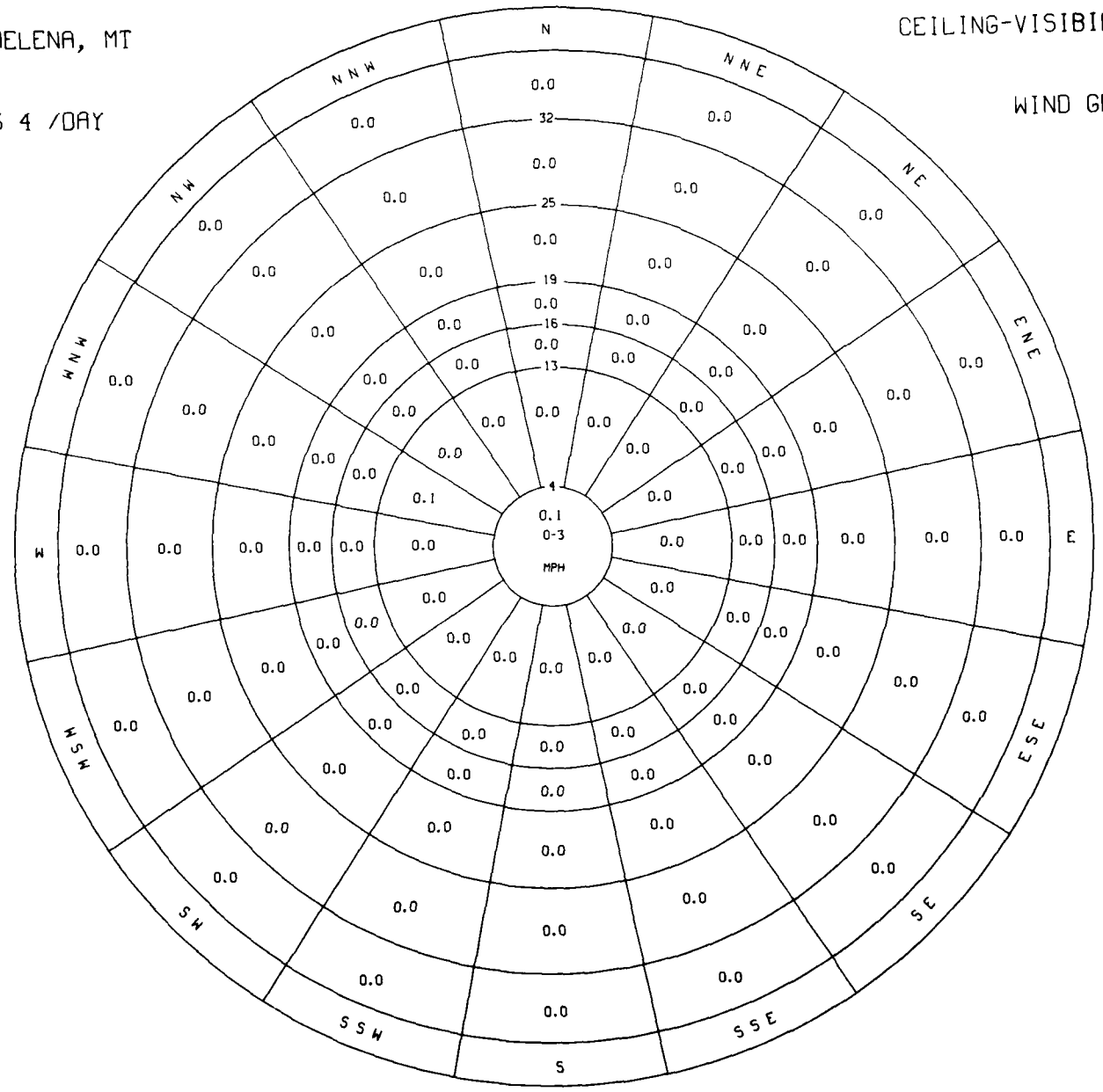
DIP	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.1	.1	3.2	.0	1.7	.0	1.2	.0	.4	.0	.0	.0	.0	.2	8.6	9.8
NNE	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.4
NE	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
ENE	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.6
E	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.6
ESE	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.7
SE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.5
SSE	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.5
S	.0	1.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
SSW	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.7
SW	.0	.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.7
WSW	.0	1.0	.1	3.5	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.1	5.2	6.8
W	.0	.9	.3	13.1	.1	2.5	.0	.3	.0	.1	.0	.1	.0	.0	.3	17.0	9.1
WNW	.0	1.4	.3	16.0	.1	4.0	.0	1.3	.0	.3	.0	.0	.0	.0	.5	23.0	10.0
NW	.1	2.7	.2	11.9	.1	3.5	.0	1.8	.0	1.0	.0	.0	.0	.0	.4	21.0	10.2
NNW	.0	1.4	.1	3.9	.0	1.4	.0	1.6	.0	.3	.0	.1	.0	.0	.2	8.7	10.7
CALM	.2	9.0													.2	9.0	
TOTAL	.5	22.3	1.1	55.5	.3	13.5	.1	6.2	.0	2.2	.0	.3	.0	.0	2.0	100	8.4

HLN HELENA, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24144

NO. OBS.: 214

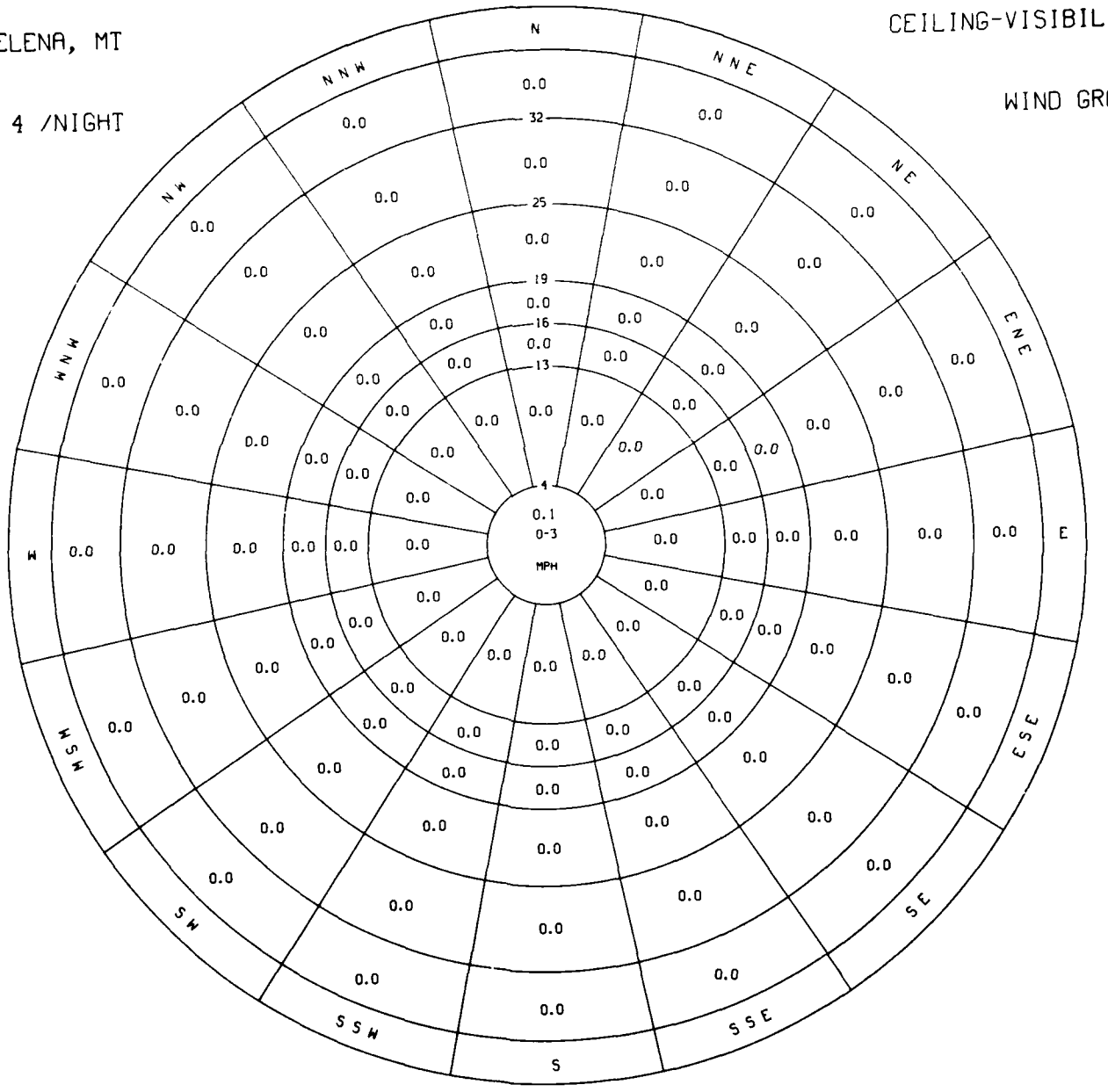
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	4.2	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.5	.0	7.5	9.7
NNE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
NE	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.0
ENE	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.3
E	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.5
ESE	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.3
SE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
WSW	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.2
W	.0	1.4	.0	9.8	.0	1.9	.0	.5	.0	.9	.0	.0	.0	.0	.1	14.5	9.3
WNW	.0	.5	.1	17.8	.0	3.3	.0	1.9	.0	.9	.0	.0	.0	.0	.1	24.3	10.3
NW	.0	3.3	.0	9.8	.0	6.1	.0	2.8	.0	2.3	.0	.0	.0	.0	.1	24.3	11.2
NNW	.0	1.4	.0	2.3	.0	2.3	.0	1.9	.0	.9	.0	.9	.0	.0	.0	9.8	13.3
CALM	.0	9.8													.0	9.8	
TOTAL	.1	25.7	.2	45.3	.1	15.0	.0	7.5	.0	5.1	.0	.9	.0	.5	.4	100	8.9

HLN HELENA, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 24144

NO. OBS.: 104

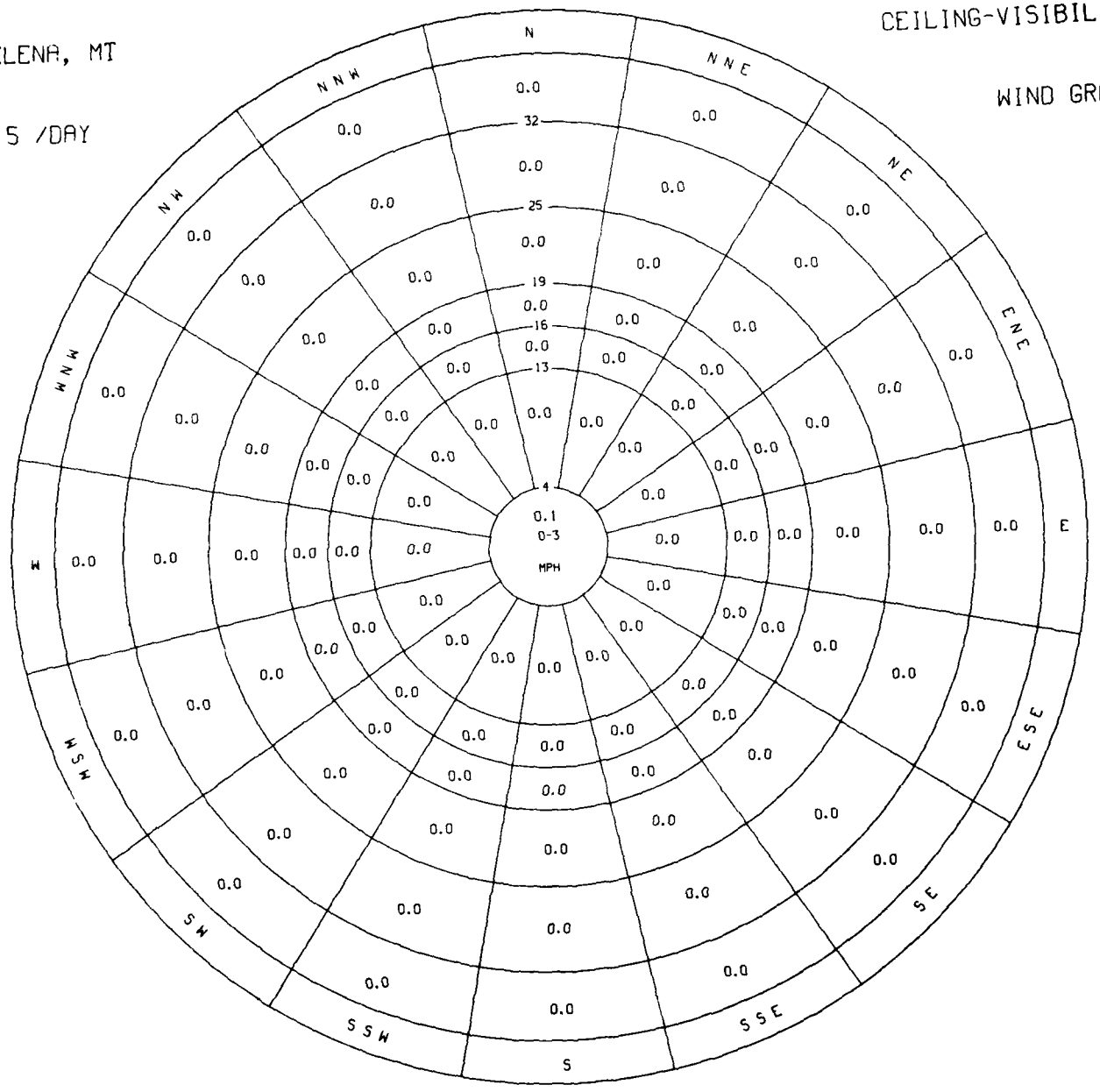
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.0	1.9	.0	.0	.0	1.0	.0	1.0	.0	1.9	.0	.0	.0	6.7	16.1
NNE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.0
NE	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.0
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
E	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0
SSE	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.5
S	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
SSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
SW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.0
WSW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	2.9	9.7
W	.0	2.9	.0	10.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.4	7.4
WNW	.0	1.9	.0	11.5	.0	4.8	.0	1.9	.0	1.0	.0	.0	.0	.0	.1	21.2	10.4
NW	.0	2.9	.0	11.5	.0	4.8	.0	2.9	.0	1.9	.0	.0	.0	.0	.1	24.0	10.8
NNW	.0	1.0	.0	1.9	.0	2.9	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	7.7	11.4
CALM	.0	10.6													.0	10.6	
TOTAL	.1	29.8	.1	42.3	.0	13.5	.0	6.7	.0	5.8	.0	1.9	.0	.0	.3	100	8.6

HLN HELENA, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 24144

NO. OBS.: 62

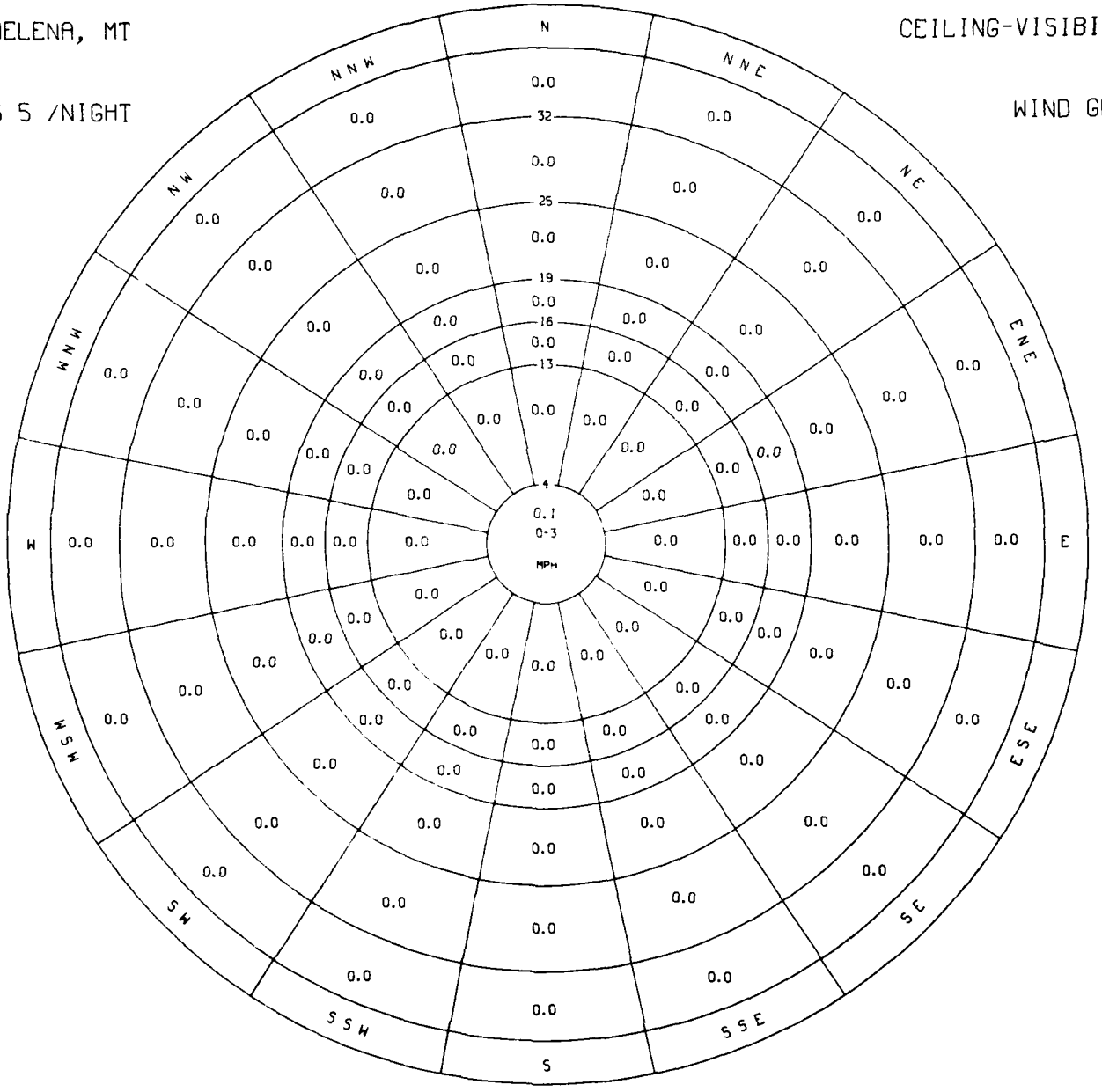
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	4.8	.0	1.6	.0	1.6	.0	.0	.0	1.6	.0	.0	.0	.0	.0	9.7	7.8
NNE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	2.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.0
E	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.0
ESE	.0	1.6	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.3
SE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	2.0
SSE	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.5
S	.0	3.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	3.8
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	4.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	9.7	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	11.3	9.1
WNW	.0	1.6	.0	4.8	.0	1.6	.0	3.2	.0	.0	.0	1.6	.0	.0	.0	12.9	13.2
NW	.0	3.2	.0	8.1	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	14.5	9.2
NNW	.0	.0	.0	3.2	.0	.0	.0	3.2	.0	1.6	.0	.0	.0	.0	.0	8.1	13.6
CALM	.0	19.4													.0	19.4	
TOTAL	.1	43.5	.0	37.1	.0	3.2	.0	9.7	.0	3.2	.0	3.2	.0	.0	.1	100	6.7

HLN HELENA, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24144

NO. OBS.: 46

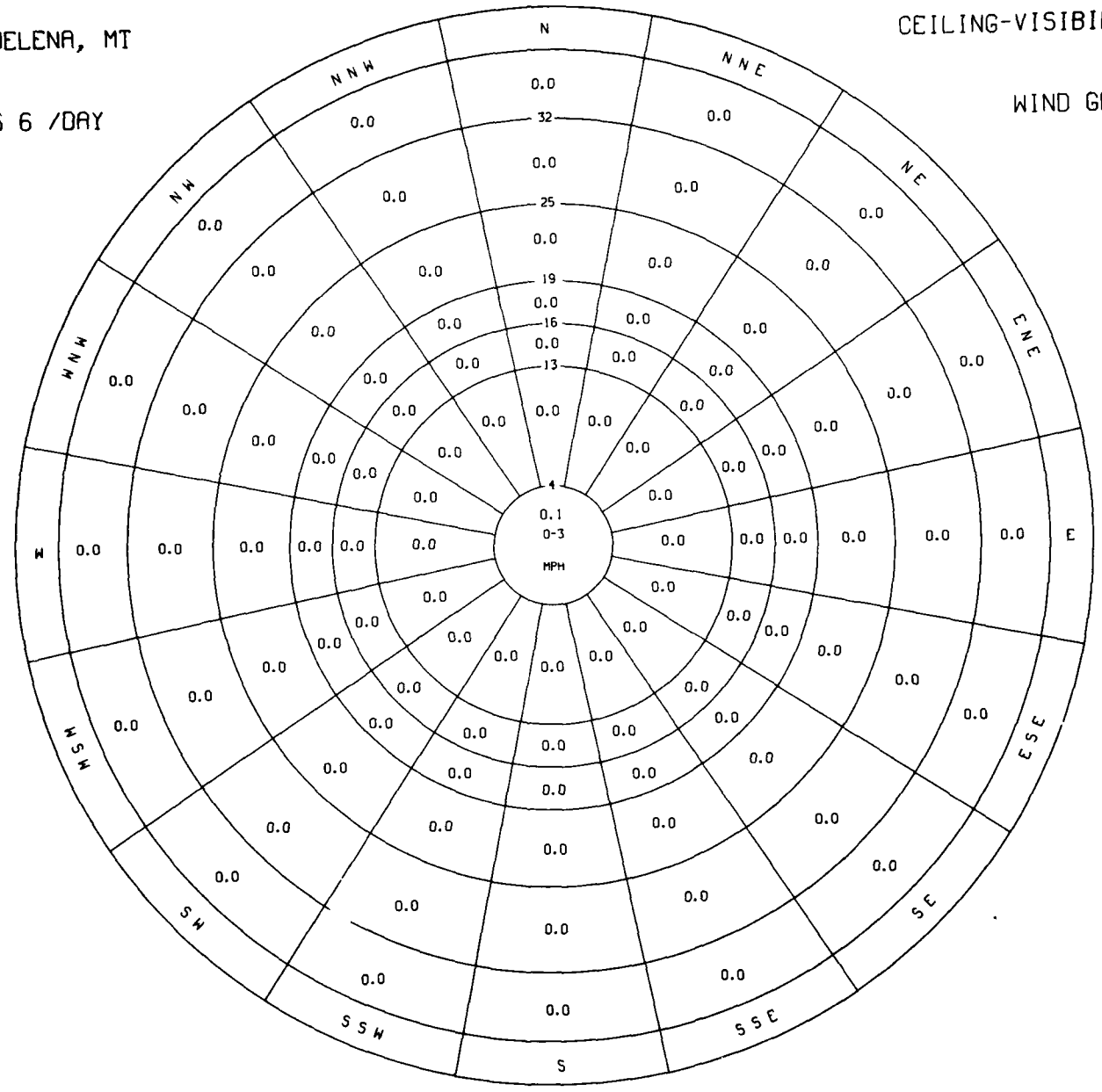
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	4.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	4.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	1.0
SW	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.0
WSW	.0	4.3	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	4.4
W	.0	4.3	.0	8.7	.0	6.5	.0	.0	.0	.0	.0	2.2	.0	.0	.0	21.7	10.2
WNW	.0	2.2	.0	2.2	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	6.5	8.3
NW	.0	2.2	.0	4.3	.0	2.2	.0	.0	.0	2.2	.0	2.2	.0	.0	.0	13.0	13.3
NNW	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	9.5
CALM	.0	23.9													.0	23.9	
TOTAL	.1	47.8	.0	34.8	.0	8.7	.0	2.2	.0	2.2	.0	4.3	.0	.0	.1	100	6.3

HLN HELENA, MT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 24144

NO. OBS.: 88

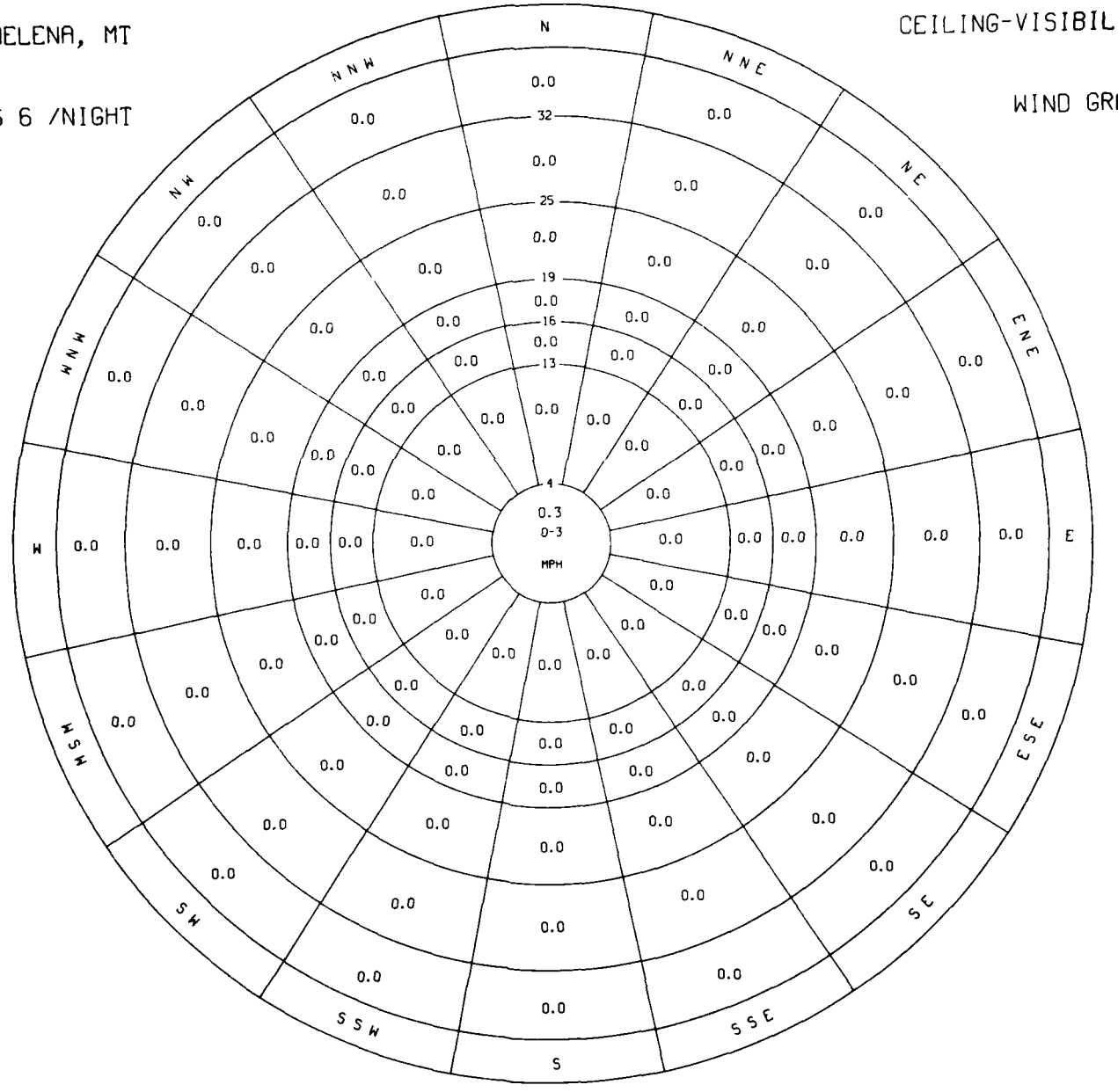
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	6.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	3.0
NNE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.5
NE	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
ENE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.5
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	2.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.7
SSE	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
S	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	2.7
SSW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.0
SW	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.5
WSW	.0	3.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	4.0
W	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.0
WNW	.0	5.7	.0	5.7	.0	2.3	.0	.0	.0	1.1	.0	.0	.0	.0	.0	14.8	7.1
NW	.0	2.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	2.7
NNW	.0	6.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	10.2	6.9
CALM	.1	31.8													.1	31.8	
TOTAL	.1	76.1	.0	19.3	.0	2.3	.0	.0	.0	1.1	.0	.0	.0	1.1	.2	100	3.2

HLN HELENA, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HLN HELENA, MT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24144

NO. OBS.: 121

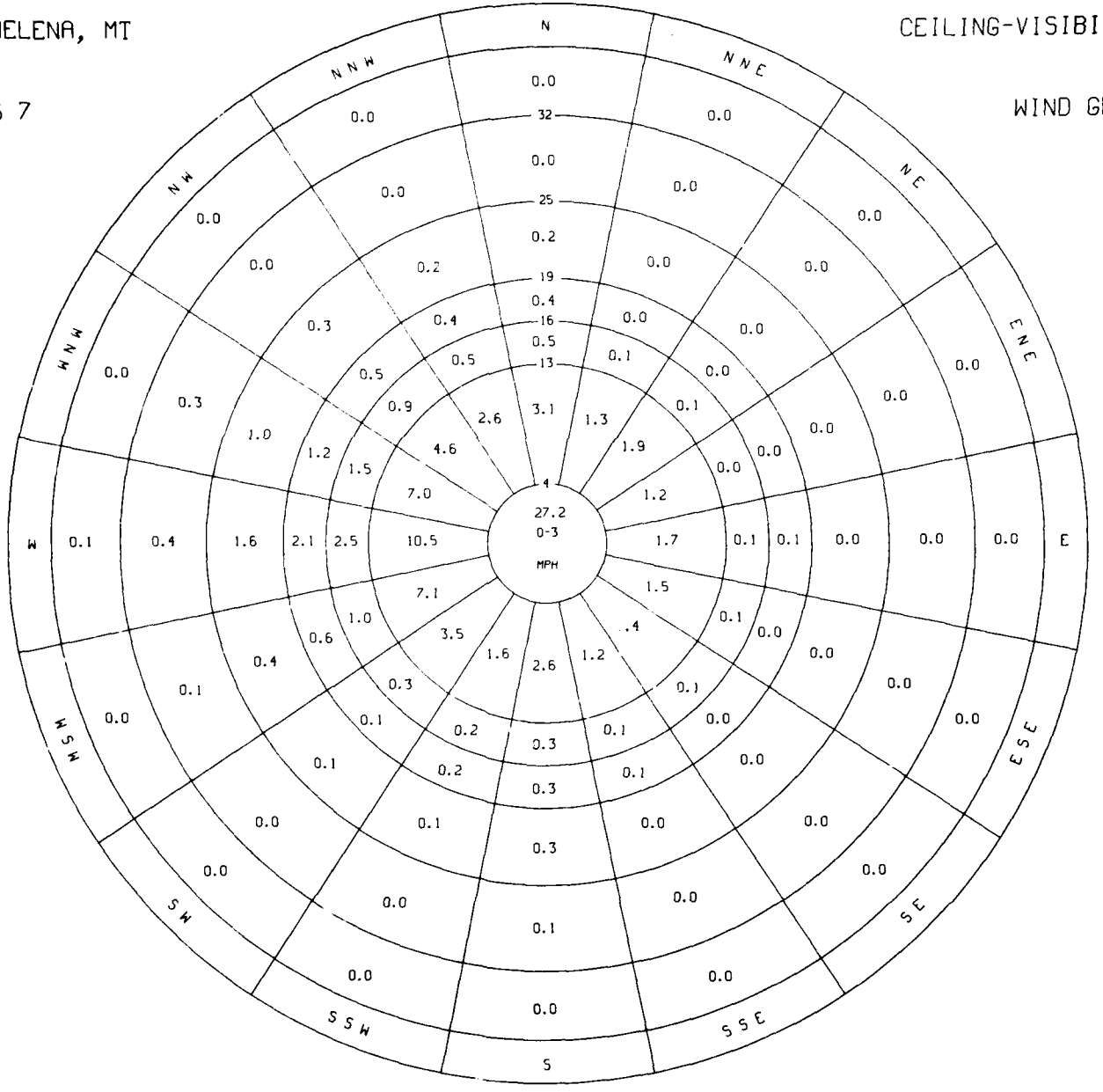
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	3.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	2.8
NNE	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.5
E	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	2.2
ESE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
SE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.5
SSE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0
S	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.5
SSW	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.3
SW	.0	4.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	2.6
WSW	.0	5.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	3.3
W	.0	3.3	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	9.1	6.1
WNW	.0	4.1	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	9.9	6.4
NW	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	2.2
NNW	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	2.3
CALM	.1	38.8													.1	38.8	
TOTAL	.3	81.8	.1	16.5	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.3	100	2.3

HLN HELENA, MT

CLASS 7

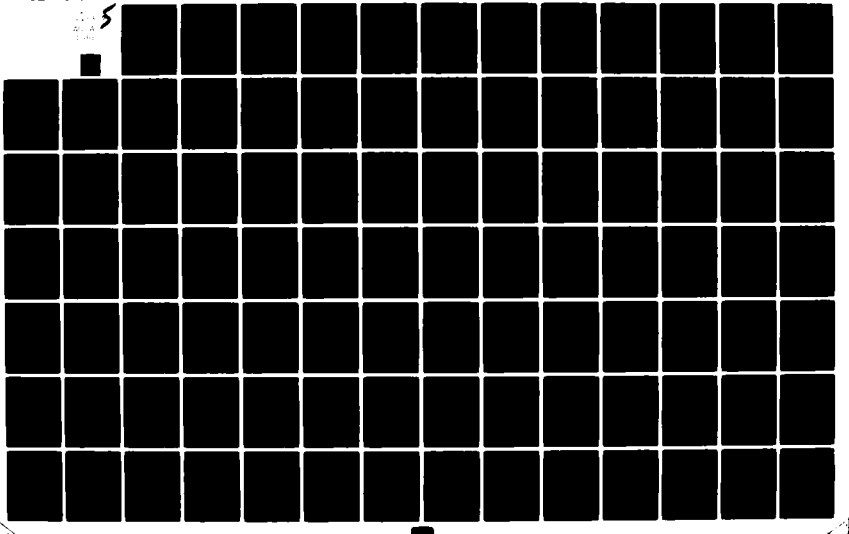
CEILING-VISIBILITY

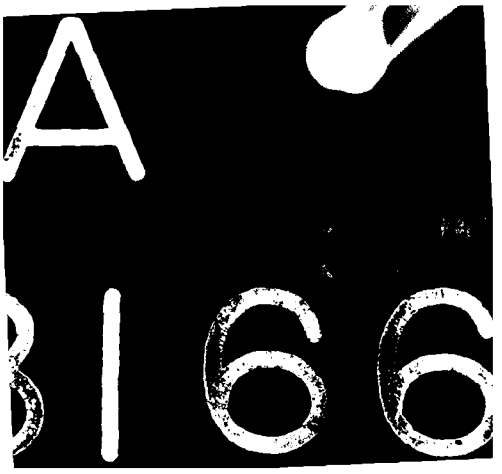
WIND GRAPH



AD-A108 166 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL



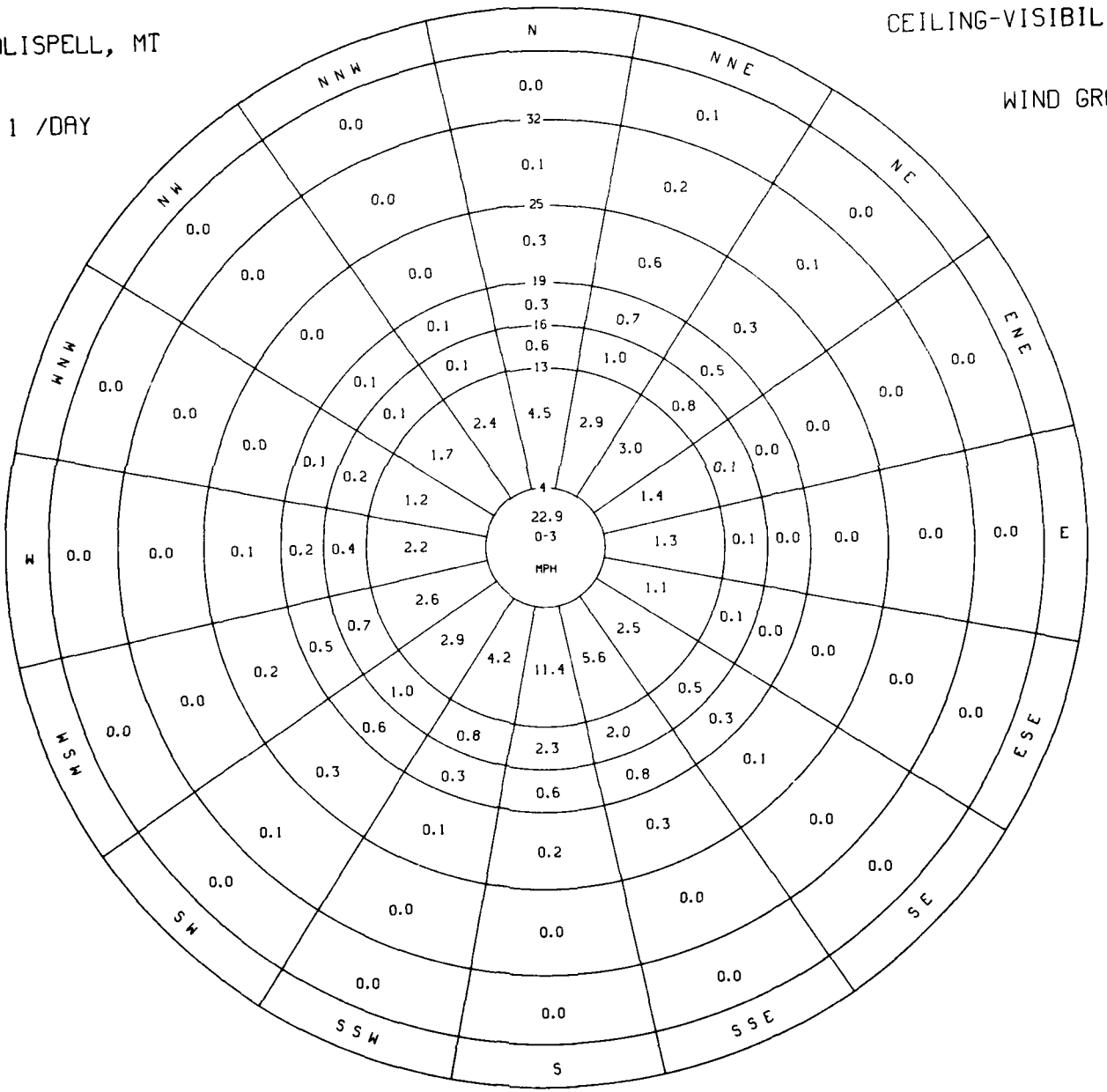

A
166

FCA KALISPELL, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 1 / DAY

STATION NUMBER: 24146

NO. OBS.: 27008

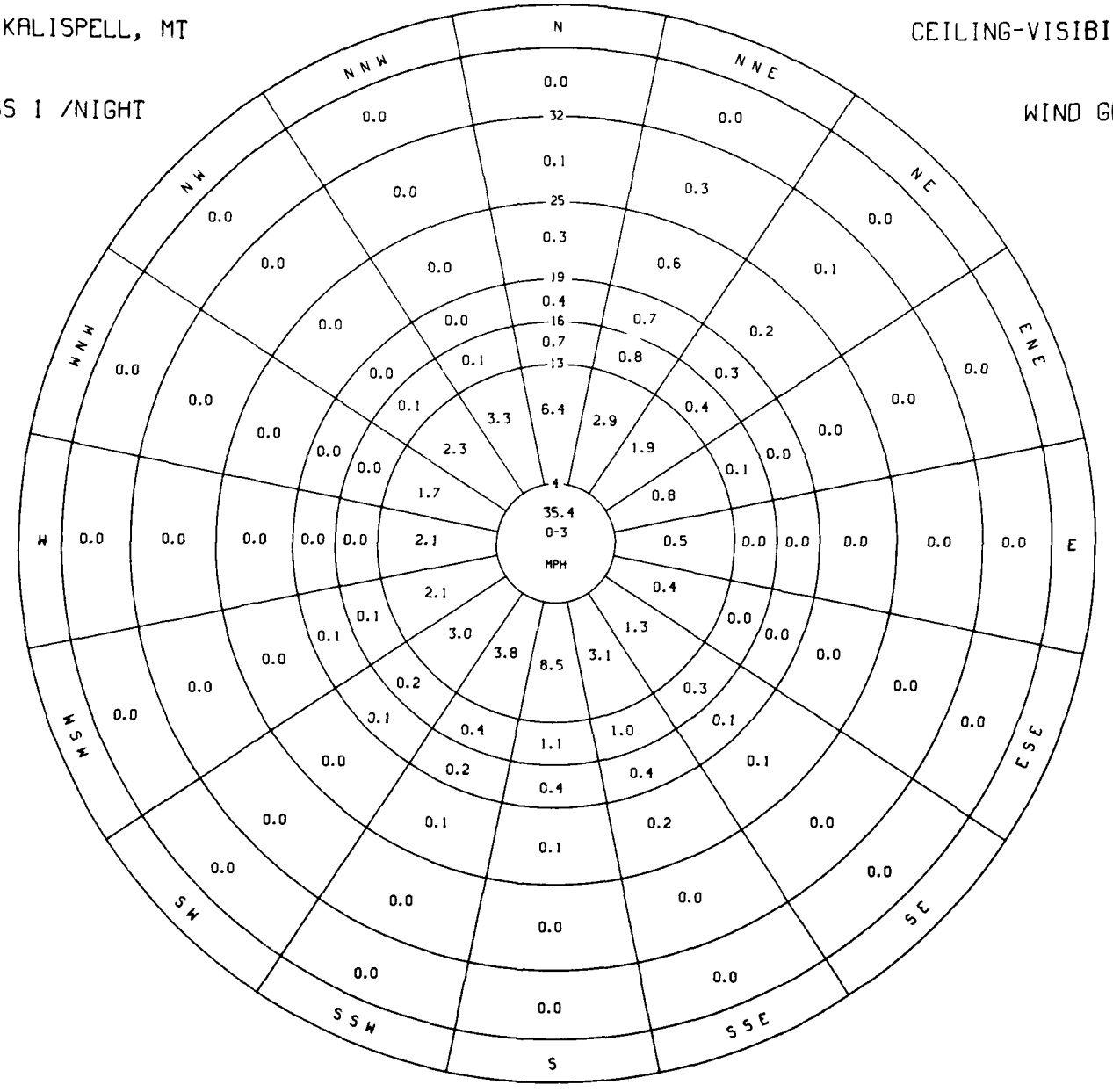
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.0	1.1	4.5	4.9	.6	.6	.3	.3	.3	.3	.1	.1	.0	.0	6.8	7.3	8.5
NNE	.6	.7	2.9	3.1	1.0	1.0	.7	.8	.6	.6	.2	.2	.1	.1	6.0	6.5	11.8
NE	.6	.7	3.0	3.3	.8	.8	.5	.6	.3	.4	.1	.1	.0	.0	5.4	5.8	10.3
ENE	.3	.3	1.4	1.5	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.0	2.1	7.2
E	.5	.5	1.3	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.0	5.9
ESE	.3	.3	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.6	6.8
SE	.4	.4	2.5	2.7	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	3.7	4.0	9.0
SSE	.5	.5	5.6	6.1	2.0	2.1	.8	.9	.3	.3	.0	.0	.0	.0	9.2	9.9	10.6
S	.9	1.0	11.4	12.3	2.3	2.5	.6	.7	.2	.2	.0	.0	.0	.0	15.5	16.7	9.4
SSW	.8	.8	4.2	4.5	.8	.8	.3	.3	.1	.1	.0	.0	.0	.0	6.2	6.7	8.9
SW	.7	.7	2.9	3.1	1.0	1.1	.6	.7	.3	.3	.1	.1	.0	.0	5.6	6.0	10.3
WSW	.6	.6	2.6	2.8	.7	.8	.5	.6	.2	.3	.0	.1	.0	.0	4.7	5.1	10.0
W	.9	1.0	2.2	2.4	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.8	4.1	7.9
WNW	.5	.5	1.2	1.3	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	2.0	2.2	7.3
NW	.7	.7	1.7	1.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.6	2.7	6.7
NNW	.6	.7	2.4	2.5	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.4	6.9
CALM	13.0	14.0													13.0	14.0	
TOTAL	22.9	24.6	51.0	54.8	10.6	11.4	5.3	5.7	2.6	2.8	.6	.6	.1	.1	93.1	100	8.0

FCA KALISPELL, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 1 / NIGHT

STATION NUMBER: 24146

NO. OBS.: 18547

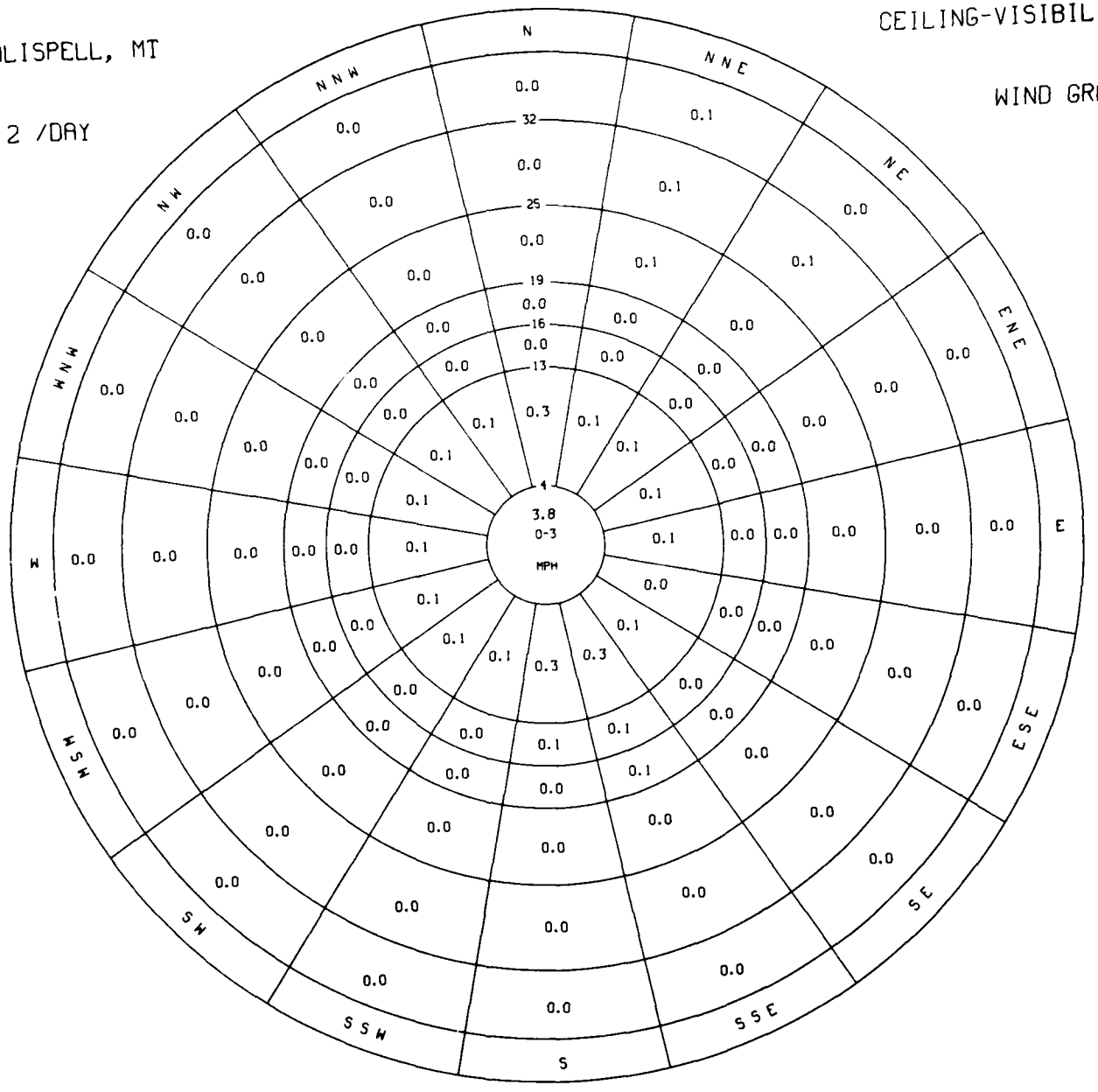
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	2.0	2.2	6.4	7.1	.7	.8	.4	.5	.3	.4	.1	.1	.0	.0	10.0	11.0	7.7
NNE	.8	.9	2.9	3.2	.8	.8	.7	.8	.6	.6	.3	.3	.0	.0	6.0	6.7	11.3
NE	.8	.9	1.9	2.1	.4	.5	.3	.3	.2	.3	.1	.1	.0	.1	3.8	4.2	9.6
ENE	.5	.5	.8	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	6.0
E	.4	.5	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.1	5.0
ESE	.2	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	5.8
SE	.2	.3	1.3	1.4	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.0	2.2	8.9
SSE	.3	.4	3.1	3.5	1.0	1.1	.4	.4	.2	.2	.0	.0	.0	.0	5.0	5.6	10.4
S	.9	1.0	8.5	9.5	1.1	1.3	.4	.5	.1	.1	.0	.0	.0	.0	11.2	12.4	8.8
SSW	.5	.6	3.8	4.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	5.0	5.5	8.2
SW	.8	.9	3.0	3.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.1	4.5	7.3
WSW	.9	1.0	2.1	2.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.5	6.0
W	1.6	1.7	2.1	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.1	4.8
WNW	.9	1.0	1.7	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.0	5.4
NW	1.3	1.5	2.3	2.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.2	5.5
NNW	1.1	1.3	3.3	3.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.1	6.1
CALM	22.2	24.6													22.2	24.6	
TOTAL	35.4	39.3	44.4	49.2	5.3	5.9	2.7	3.0	1.7	1.9	.6	.7	.1	.1	90.2	100	6.0

FCA KALISPELL, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 2 / DAY

STATION NUMBER: 24146

NO. OBS.: 2009

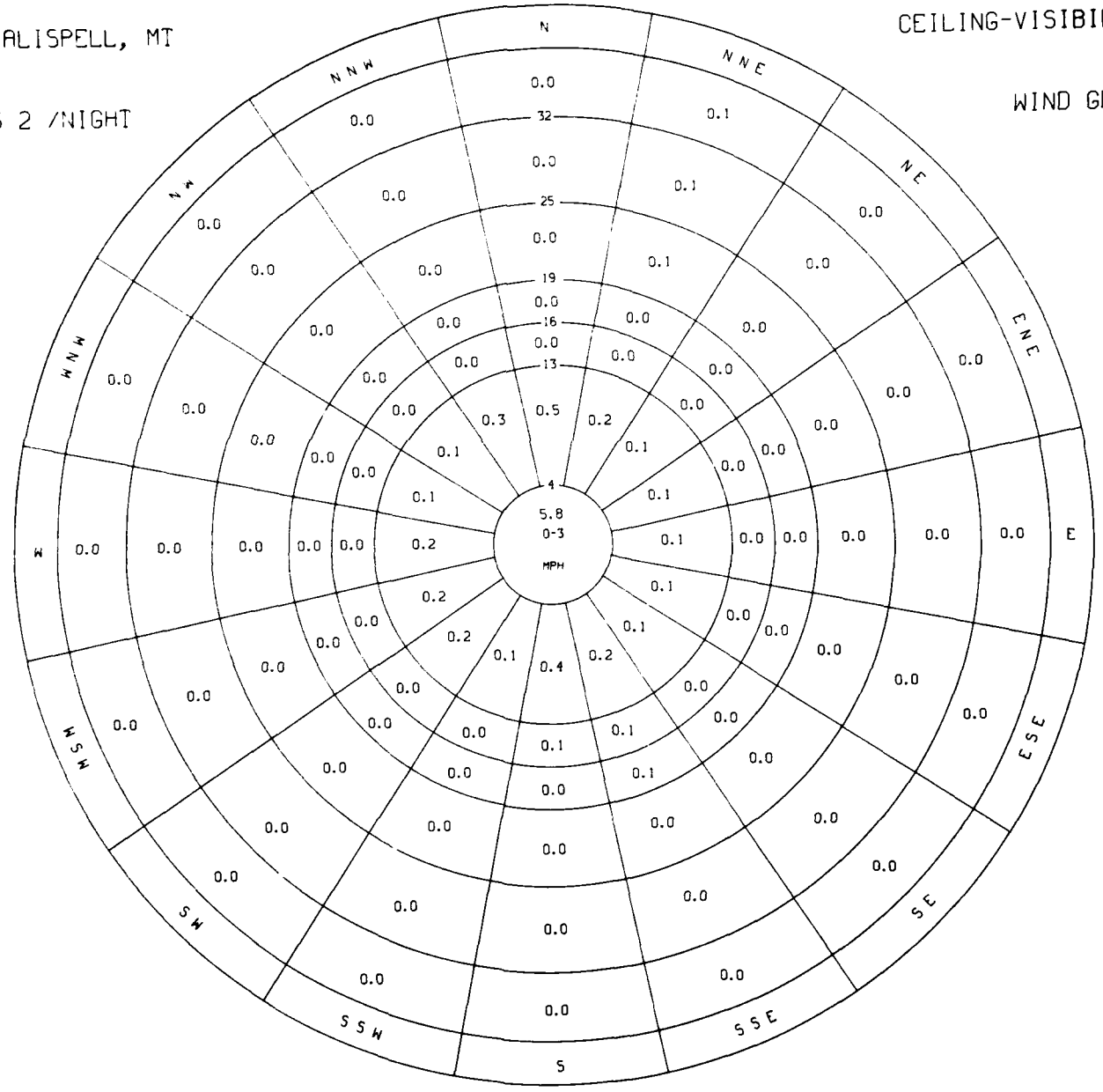
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.9	.3	3.9	.0	.2	.0	.3	.0	.4	.0	.2	.0	.2	.5	7.2	8.4
NNE	.1	1.2	.1	1.9	.0	.2	.0	.5	.1	.9	.1	1.1	.1	1.1	.5	7.0	17.7
NE	.1	1.1	.1	2.1	.0	.3	.0	.1	.0	.3	.1	.7	.0	.2	.4	5.1	12.4
ENE	.0	.6	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	5.5
E	.0	.5	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	5.1
ESE	.0	.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	4.7
SE	.0	.4	.1	1.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.0	9.0
SSE	.0	.6	.3	4.2	.1	1.1	.1	.9	.0	.5	.0	.0	.0	.0	.5	7.5	11.1
S	.1	1.2	.3	4.7	.1	1.1	.0	.5	.0	.2	.0	.0	.0	.0	.5	7.8	9.0
SSW	.1	1.0	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.7	5.6
SW	.1	1.1	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	5.5
WSW	.1	1.0	.1	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.1	5.7
W	.1	1.4	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.5	4.7
WNW	.1	1.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.0	3.9
NW	.0	.7	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	5.4
NNW	.1	1.3	.1	2.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.3	3.7	6.4
CALM	2.7	39.7													2.7	39.7	
TOTAL	3.8	55.5	2.2	31.6	.3	3.7	.2	2.8	.2	2.6	.2	2.2	.1	1.6	6.9	100	5.5

FCA KALISPELL, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 2 / NIGHT

STATION NUMBER: 24146

NO. OBS.: 2024

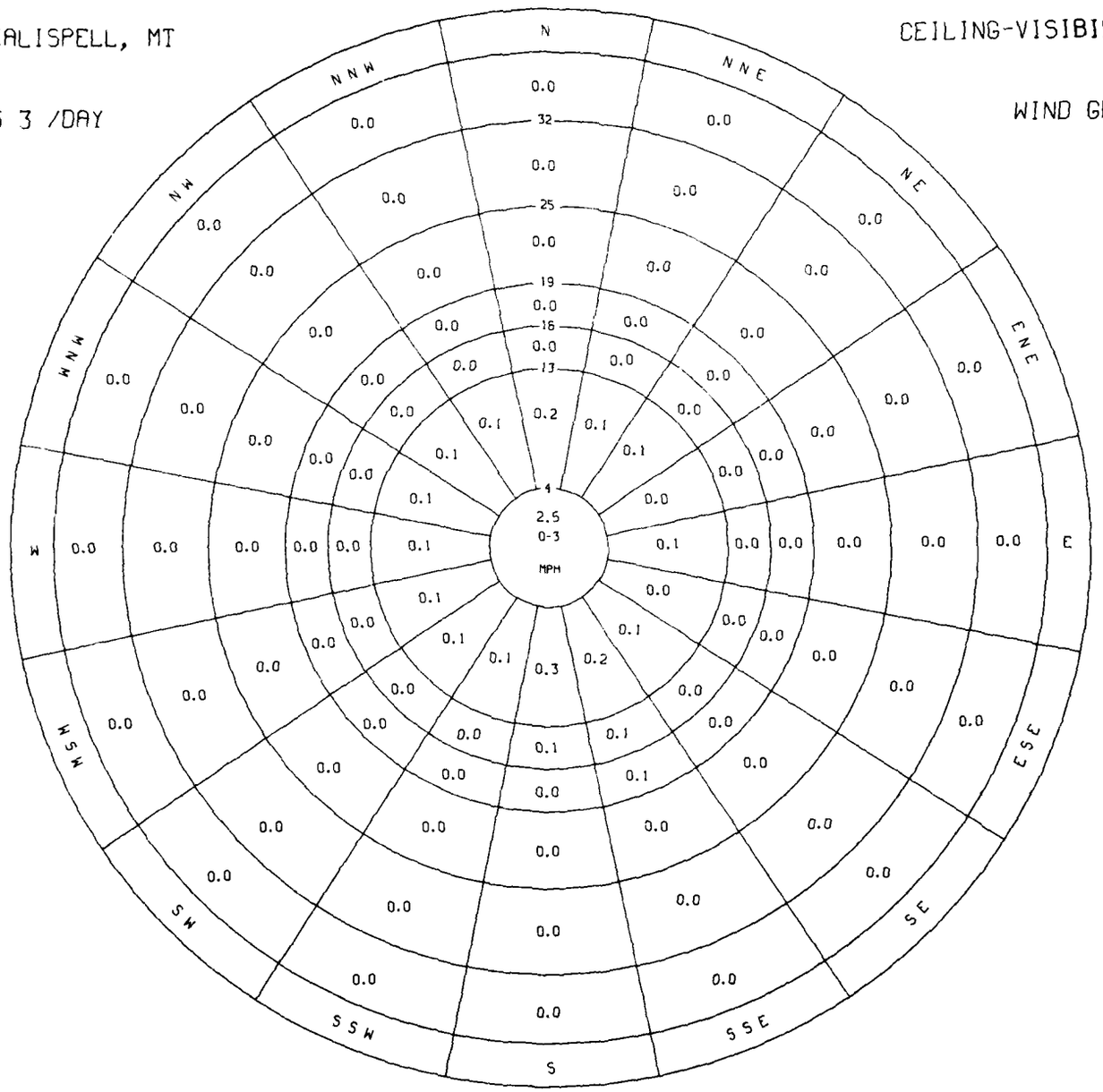
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	2.2	.5	4.9	.0	.2	.0	.2	.0	.4	.0	.4	.0	.1	.8	8.4	8.2
NNE	.1	.9	.2	1.8	.0	.2	.0	.4	.1	1.3	.1	.9	.1	1.5	.7	7.1	20.9
NE	.1	1.4	.1	1.3	.0	.1	.0	.1	.0	.2	.0	.5	.0	.1	.4	3.8	10.1
ENE	.1	.6	.1	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.3	6.7
E	.1	.7	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	4.2
ESE	.0	.3	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.5
SE	.0	.5	.1	1.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.0	7.4
SSE	.0	.5	.2	2.4	.1	1.1	.1	.7	.0	.1	.0	.0	.0	.0	.5	4.9	10.6
S	.1	1.4	.4	4.0	.1	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.7	6.8	8.3
SSW	.1	.9	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	5.7
SW	.2	1.6	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.6	5.6
WSW	.1	1.3	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9	4.8
W	.2	1.9	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.7	4.9
WNW	.1	1.2	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.6	4.6
NW	.1	1.1	.1	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.7	5.6
NNW	.1	1.2	.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.9	5.4
CALM	4.1	41.5													4.1	41.5	
TOTAL	5.8	59.3	2.8	29.0	.3	3.3	.2	2.1	.2	2.5	.2	2.0	.2	1.8	9.8	100	5.1

FCA KALISPELL, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 3 / DAY

STATION NUMBER: 24146

NO. OBS.: 1412

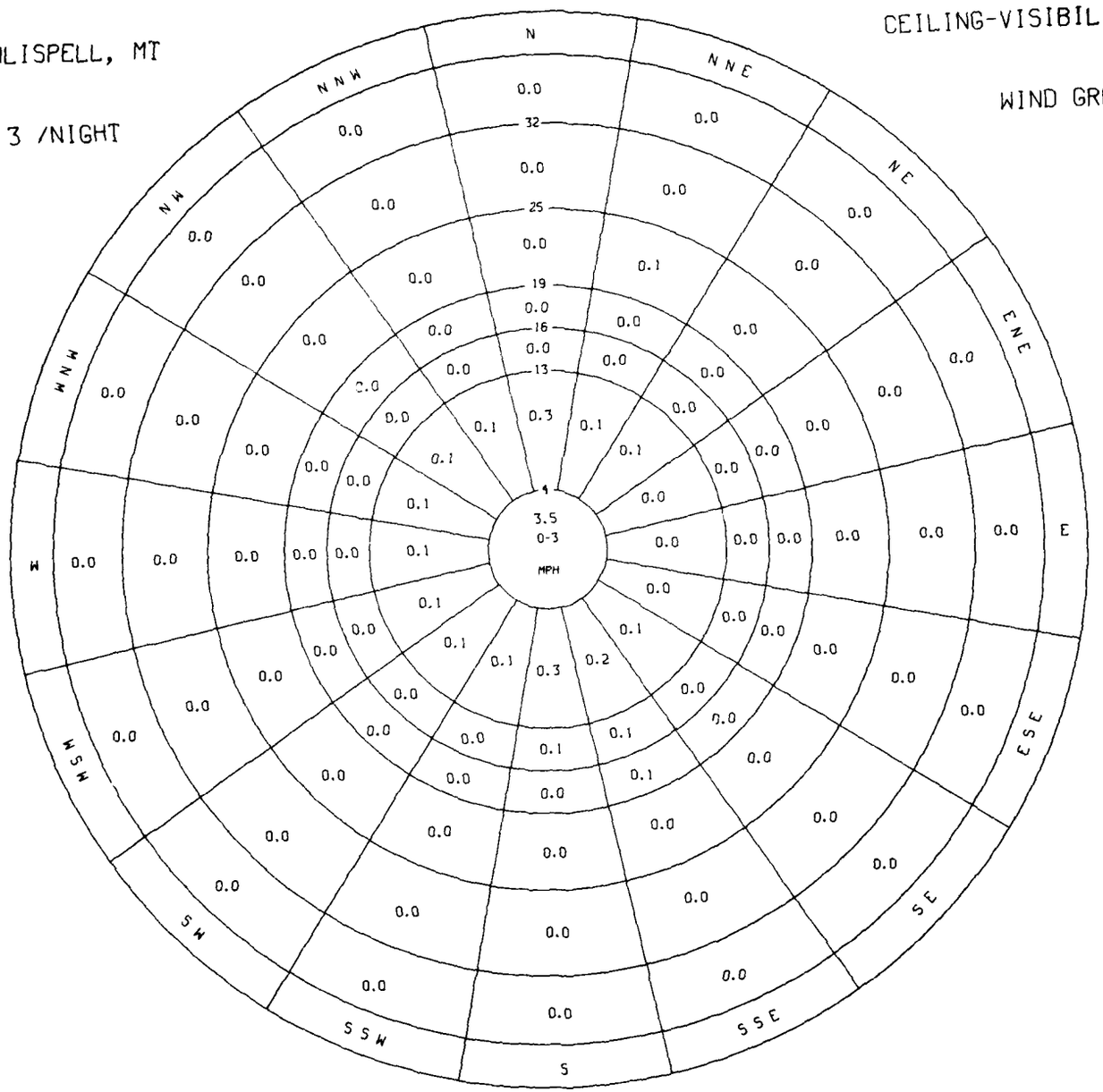
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.9	.2	4.0	.0	.3	.0	.3	.0	.4	.0	.2	.0	.1	.4	7.2	7.8
NNE	.1	1.2	.1	2.3	.0	.3	.0	.5	.0	.7	.0	1.0	.0	.3	.3	6.3	13.7
NE	.0	.9	.1	2.3	.0	.4	.0	.2	.0	.4	.0	.5	.0	.1	.2	4.8	11.2
ENE	.0	.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	1.4	6.1
E	.0	.5	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	5.5
ESE	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	4.8
SE	.0	.3	.1	1.1	.0	.5	.0	.3	.0	.1	.0	.0	.0	.0	.1	2.3	9.7
SSE	.0	.5	.2	5.1	.1	1.4	.1	1.3	.0	.7	.0	.1	.0	.0	.4	9.1	11.4
S	.1	1.3	.3	5.4	.1	1.3	.0	.6	.0	.3	.0	.0	.0	.0	.4	8.9	9.3
SSW	.1	1.1	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	5.7
SW	.1	1.1	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.1	5.5
WSW	.0	.7	.1	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.3	6.1
W	.1	1.3	.1	1.1	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	2.5	4.9
WNW	.0	1.0	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	4.3
NW	.0	.7	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	5.0
NNW	.1	1.2	.1	2.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.8	6.9
CALM	1.8	36.9													1.8	36.9	
TOTAL	2.5	51.7	1.7	35.3	.2	4.7	.2	3.3	.1	2.8	.1	1.9	.0	.4	4.9	100	5.4

FCA KALISPELL, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 3 / NIGHT

STATION NUMBER: 24146

NO. OBS.: 1248

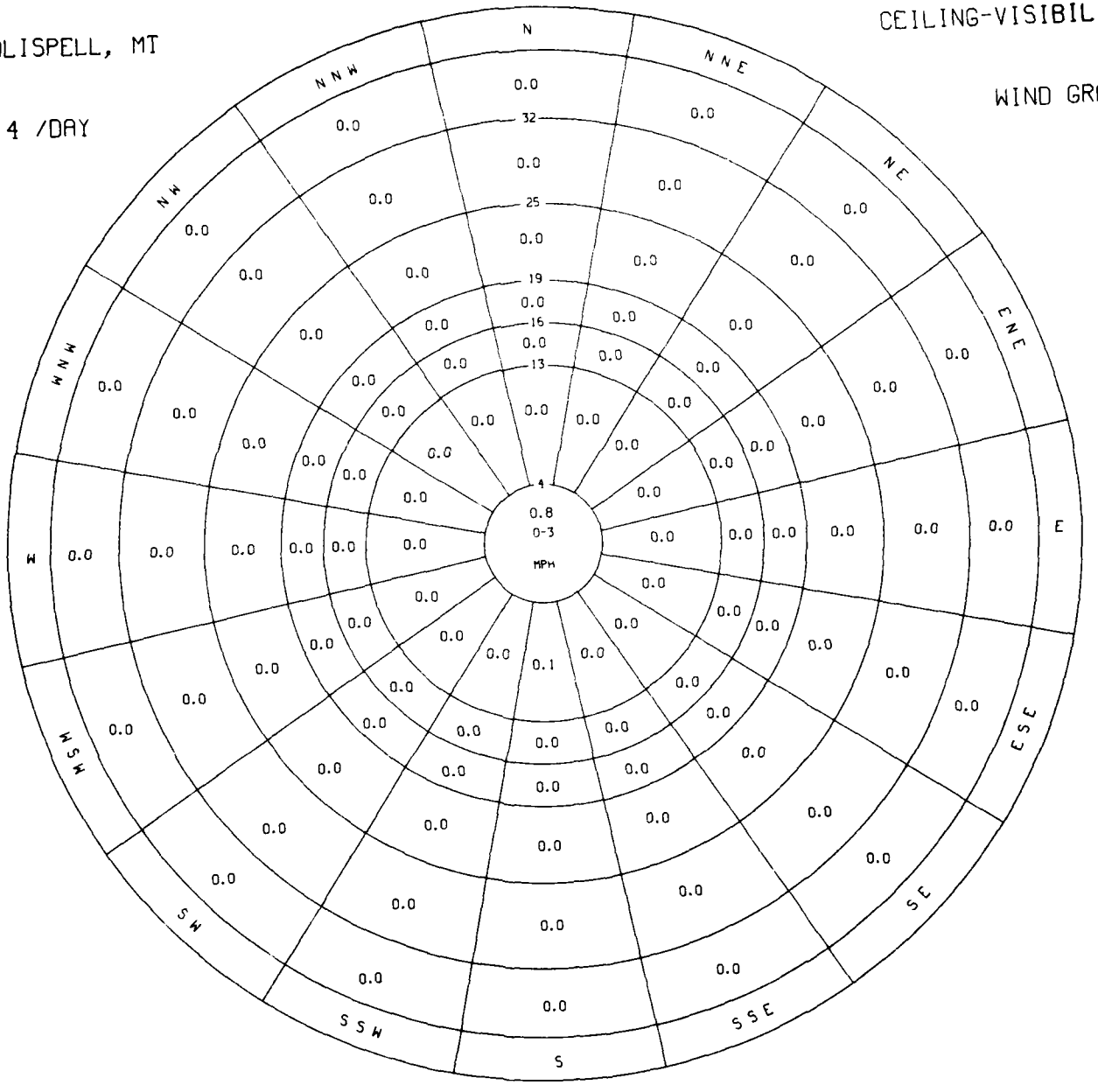
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	2.2	.3	5.4	.0	.3	.0	.2	.0	.3	.0	.4	.0	.1	.5	9.0	7.9
NNE	.1	1.0	.1	1.8	.0	.3	.0	.6	.1	1.6	.0	.6	.0	.5	.4	6.3	16.2
NE	.1	1.2	.1	1.4	.0	.2	.0	.2	.0	.2	.0	.3	.0	.0	.2	3.4	9.0
ENE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	1.4	6.1
E	.0	.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.2
ESE	.0	.2	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.1
SE	.0	.3	.1	1.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.2	8.5
SSE	.0	.4	.2	3.0	.1	1.5	.1	1.0	.0	.2	.0	.1	.0	.0	.4	6.2	11.3
S	.1	1.8	.3	5.4	.1	1.5	.0	.2	.0	.2	.0	.0	.0	.0	.6	9.1	8.5
SSW	.0	.7	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.6	5.8
SW	.1	1.9	.1	1.5	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2	3.8	5.6
WSW	.1	1.4	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.7	4.9
W	.1	2.2	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.5	4.0
WNW	.1	1.3	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0	4.8
NW	.1	1.2	.1	1.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.7	5.1
NNW	.1	1.3	.1	2.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2	3.7	5.7
CALM	2.3	38.7													2.3	38.7	
TOTAL	3.5	56.9	1.9	31.2	.3	4.4	.2	2.6	.2	3.0	.1	1.4	.0	.6	6.1	100	5.0

FCA KALISPELL, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 4 / DAY

STATION NUMBER: 24146

NO. OBS.: 365

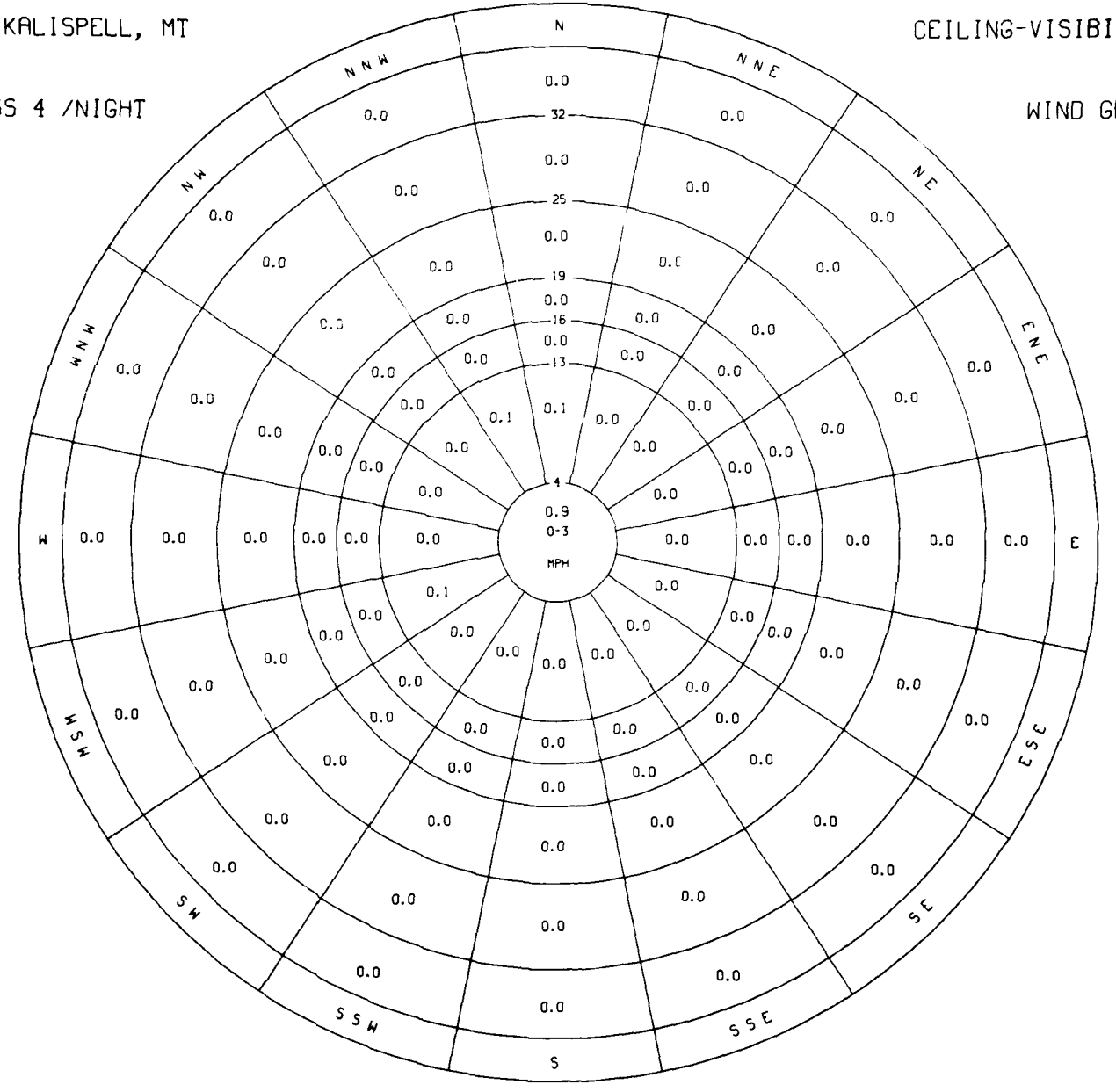
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.4	.0	3.3	.0	.3	.0	.5	.0	.3	.0	.5	.0	.3	.1	6.6	10.2
NNE	.0	1.1	.0	1.1	.0	.0	.0	1.1	.0	1.9	.0	1.9	.0	2.7	.1	9.9	23.0
NE	.0	1.6	.0	2.5	.0	.3	.0	.0	.0	.3	.0	1.1	.0	.3	.1	6.0	11.5
ENE	.0	.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.4
E	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.7
ESE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0
SE	.0	.0	.0	.8	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.1	9.5
SSE	.0	.3	.0	3.0	.0	.5	.0	.3	.0	.3	.0	.0	.0	.0	.1	4.4	11.1
S	.0	1.1	.1	4.1	.0	.8	.0	.5	.0	.3	.0	.0	.0	.0	.1	6.8	9.0
SSW	.0	1.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0
SW	.0	1.1	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.1
WSW	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.5
W	.0	1.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.7
WNW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.7
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.1	10.0
NNW	.0	1.4	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.7
CALM	.6	44.4													.6	44.4	
TOTAL	.8	60.0	.3	24.7	.0	2.5	.0	2.7	.0	3.3	.0	3.6	.0	3.3	1.3	100	5.9

FCA KALISPELL, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 4 / NIGHT

STATION NUMBER: 24146

NO. OBS.: 340

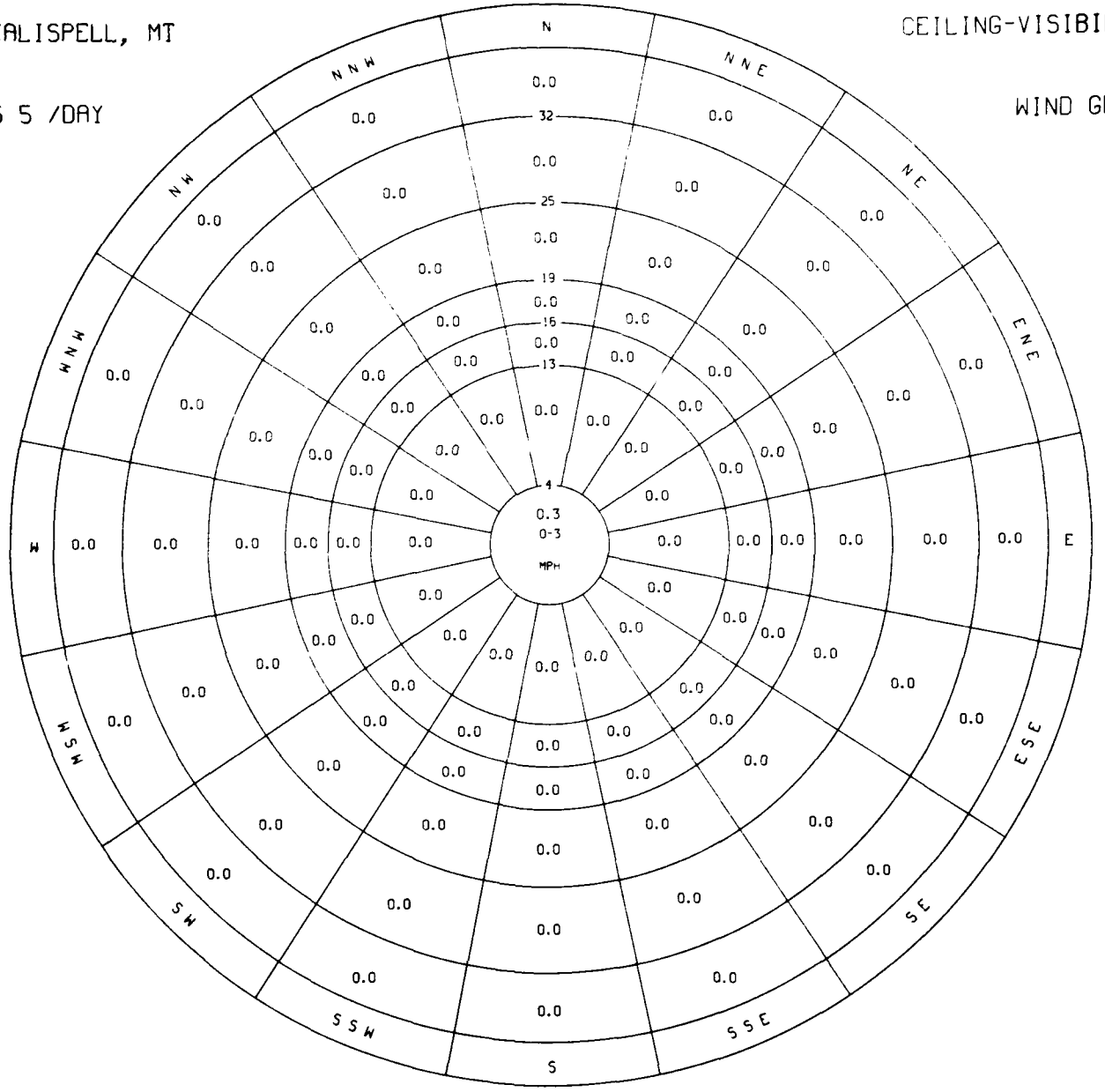
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.1	.1	5.0	.0	.0	.0	.6	.0	1.2	.0	.3	.0	.0	.2	9.1	8.8
NNE	.0	.6	.0	1.8	.0	.0	.0	.6	.0	1.2	.0	2.9	.0	2.1	.2	9.1	24.5
NE	.0	1.2	.0	1.5	.0	.3	.0	.0	.0	.0	.0	.3	.0	.6	.1	3.8	11.8
ENE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	1.5	10.8
E	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.2
ESE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.8
SE	.0	.9	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.8
SSE	.0	.9	.0	2.6	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.1	5.3	8.9
S	.0	.6	.0	1.8	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.5	9.2
SSW	.0	1.8	.0	1.2	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.1	3.5	6.4
SW	.0	.9	.0	2.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1	4.4	6.8
WSW	.0	1.2	.1	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	4.9
W	.0	1.2	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.1	4.7
WNW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.0
NW	.0	.9	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.3	.0	.0	.0	2.9	9.3
NNW	.0	1.5	.1	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	5.3
CALM	.6	37.4													.6	37.4	
TOTAL	.9	53.8	.5	30.3	.1	3.5	.0	2.6	.0	2.9	.1	4.1	.0	2.6	1.7	100	6.2

FCA KALISPELL, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 5 / DAY

STATION NUMBER: 24146

NO. OBS.: 123

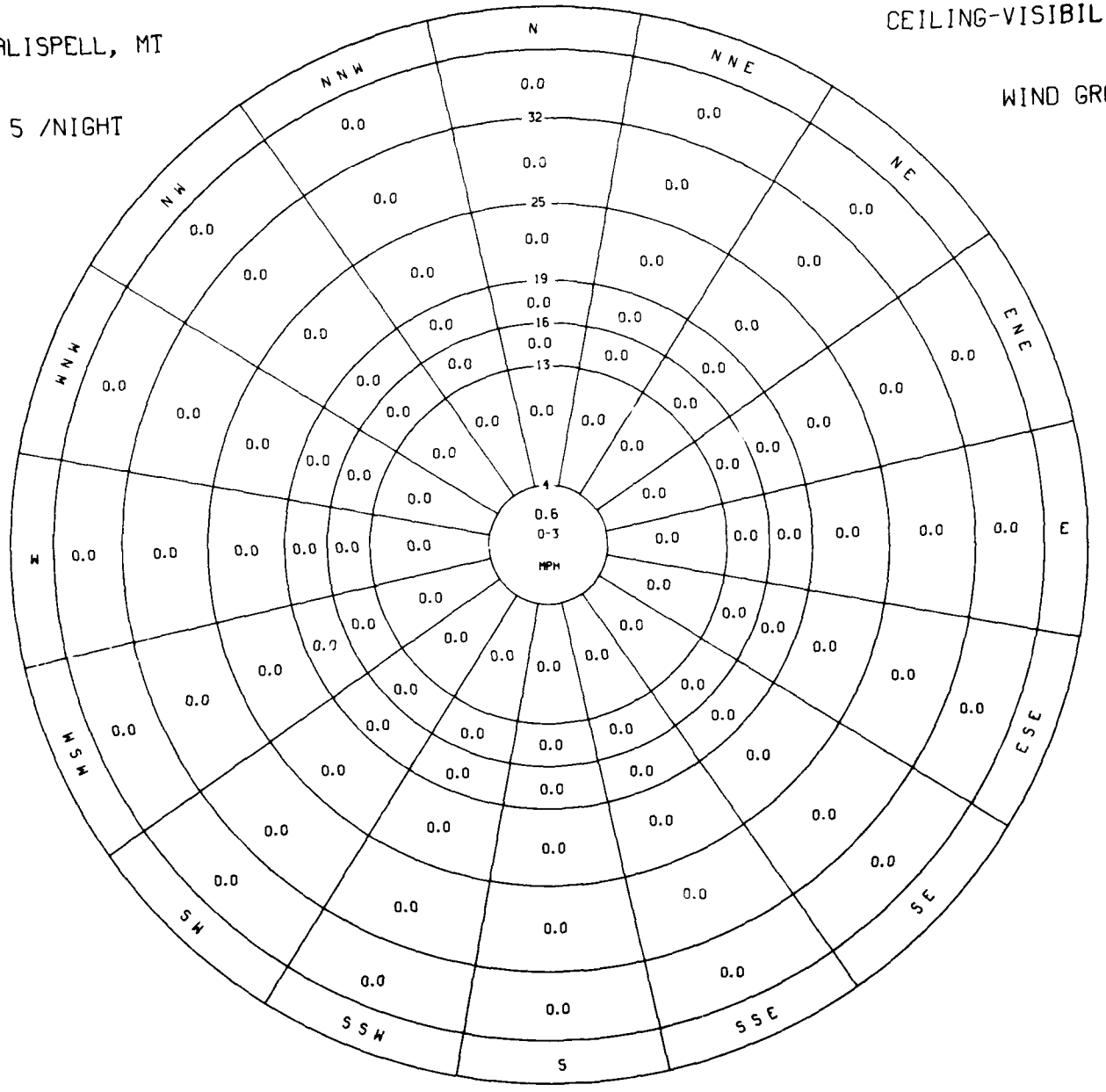
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	4.1	.0	5.7	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	.0	11.4	7.7
NNE	.0	2.4	.0	.8	.0	.0	.0	.0	.0	.8	.0	.8	.0	4.1	.0	8.9	24.9
NE	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	4.9	12.3
ENE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.5
E	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
ESE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
SE	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.0
SSE	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.3
S	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.7
SSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
SW	.0	.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.0
WSW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.5
W	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.7
WNW	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.0
NW	.0	1.6	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.2
NNW	.0	.8	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.6
CALM	.2	42.3													.2	42.3	
TOTAL	.3	66.7	.1	24.4	.0	.0	.0	.0	.0	1.6	.0	2.4	.0	4.9	.4	100	5.2

FCA KALISPELL, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 5 / NIGHT

STATION NUMBER: 24146

NO. OBS.: 190

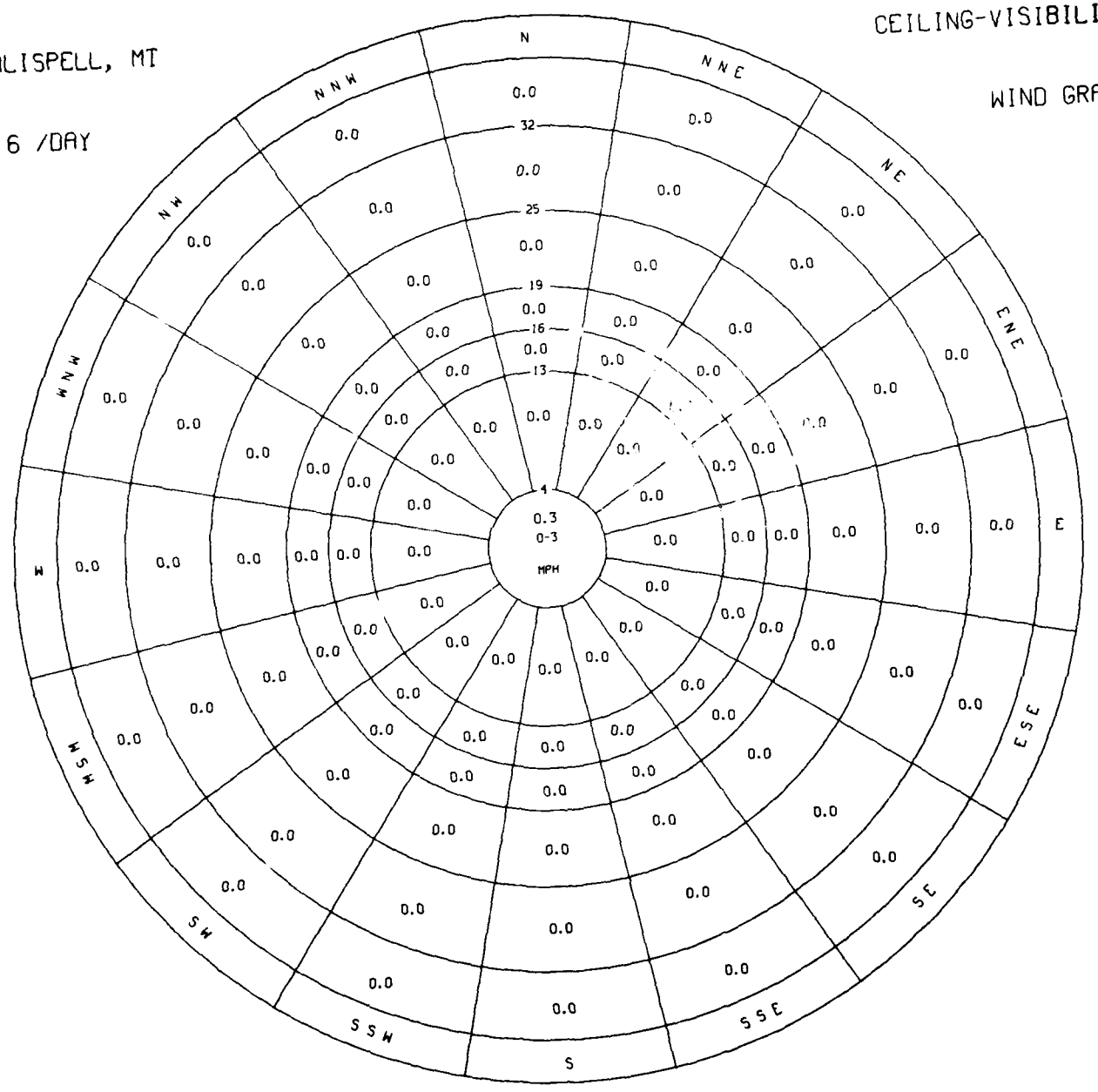
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.6	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.1	6.8	10.5
NNE	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	4.7	.1	11.1	26.4
NE	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.5	.0	2.6	.0	.0	.1	5.8	16.2
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.3
ESE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0
SE	.0	1.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.0
SSE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	9.0
S	.0	1.1	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.6
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.0
WSW	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.0
W	.0	1.6	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	.0	5.3	10.0
WNW	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.6
NW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.3
NNW	.0	.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.0
CALM	.5	48.9													.5	48.9	
TOTAL	.6	63.7	.2	24.2	.0	.0	.0	.0	.0	1.6	.0	4.2	.1	6.3	.9	100	6.1

FCA KALISPELL, MT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 6 / DAY

STATION NUMBER: 24146

NO. OBS.: 109

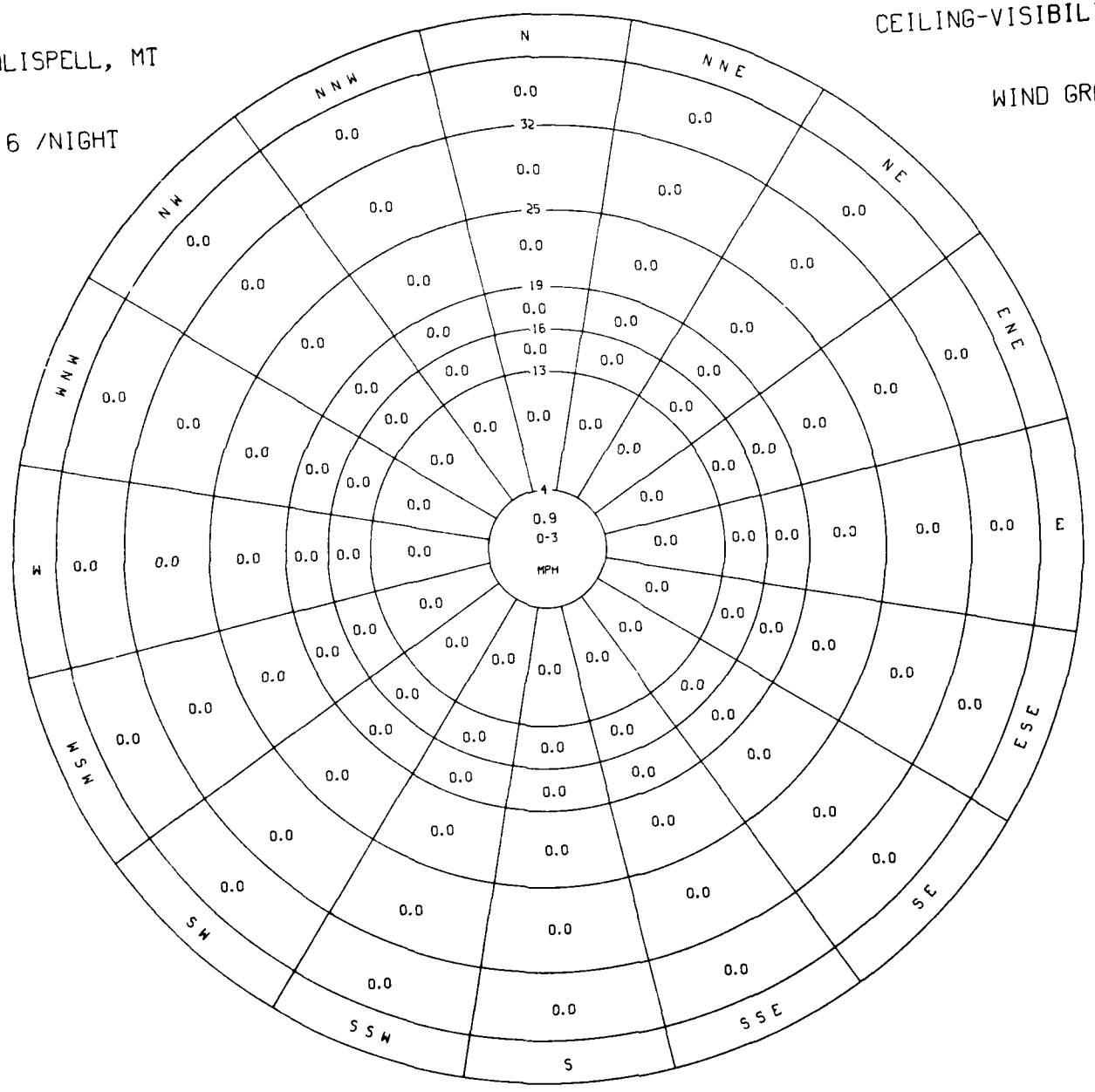
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	4.6	13.6
NNE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0	4.6	34.8
NE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	2.8	.0	5.5	29.3
ENE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
E	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.3
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
SSE	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.3
S	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.0
WSW	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.7
W	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.5
WNW	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	2.7
NW	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.7
NNW	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	3.0
CALM	.2	56.9													.2	56.9	
TOTAL	.3	76.1	.1	14.7	.0	.0	.0	.0	.0	.0	.0	1.8	.0	7.3	.4	100	4.9

FCA KALISPELL, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FCA KALISPELL, MT

PERIOD: 1950-1978

CLASS 6 / NIGHT

STATION NUMBER: 24146

NO. OBS.: 246

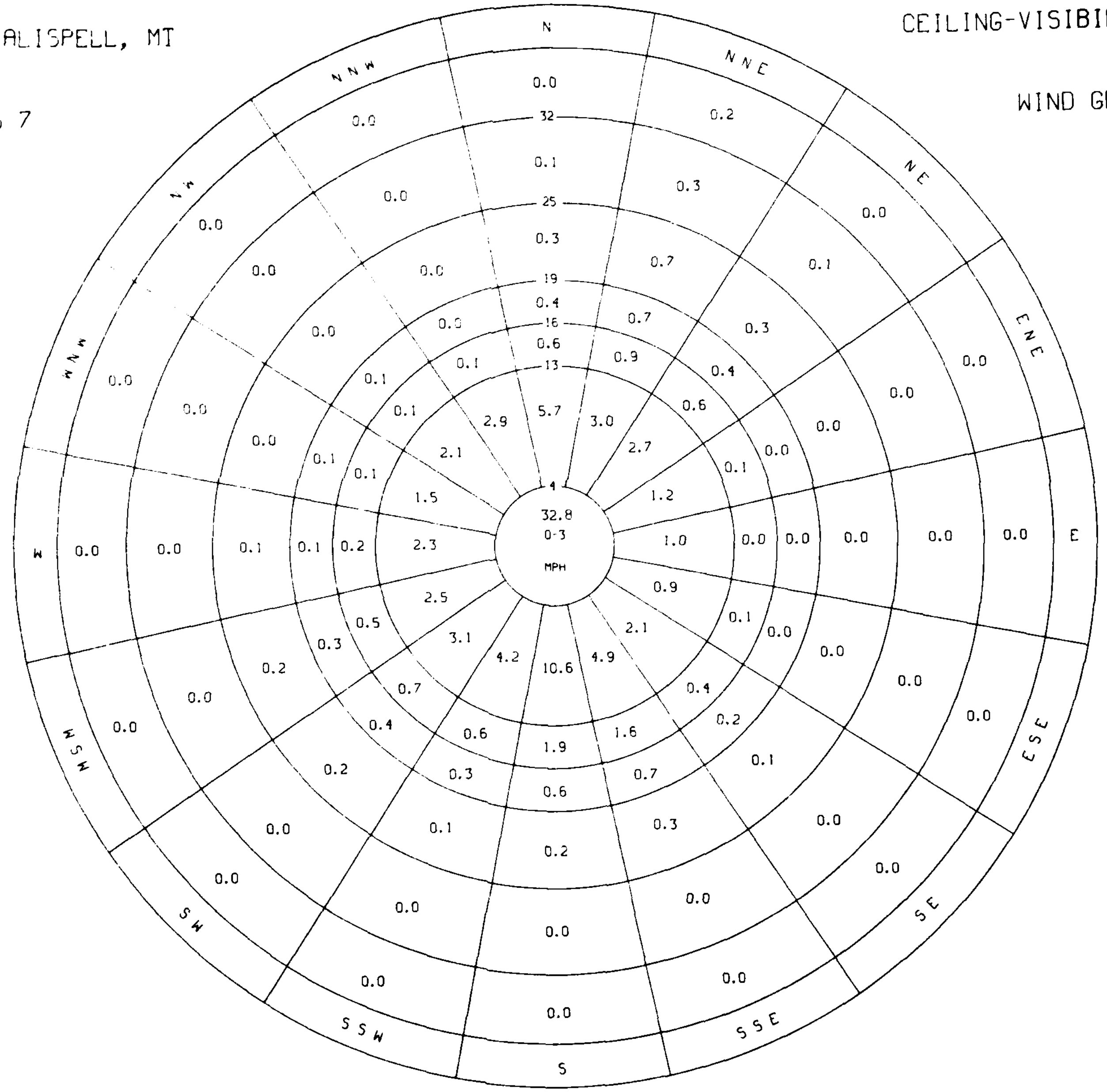
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.1	6.1	7.1
NNE	.0	.4	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.1	5.7	31.2
NE	.0	2.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	4.1	6.2
ENE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.6
E	.0	1.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.4
ESE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.7
SE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.7
SSE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.2
S	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.3
SSW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.7
SW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.0
WSW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.0
W	.0	2.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.9
WNW	.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.2
NW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.7
NNW	.0	1.2	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.6
CALM	.7	55.7													.7	55.7	
TOTAL	.9	76.0	.2	19.5	.0	.0	.0	.0	.0	.0	.0	.8	.0	3.7	1.2	100	3.7

FCA KALISPELL, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

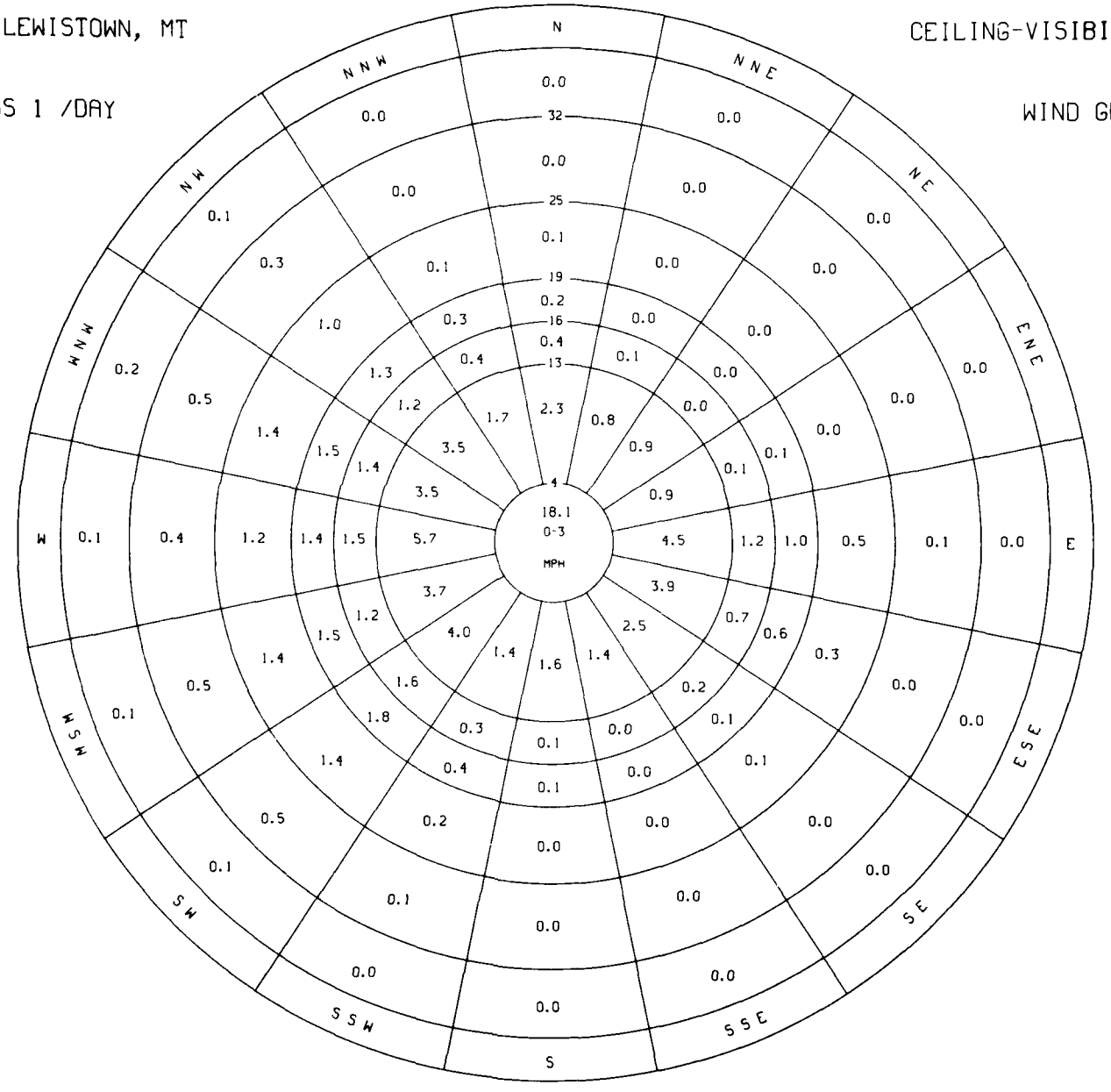


LWT LEWISTOWN, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24036

NO. OBS.: 49365

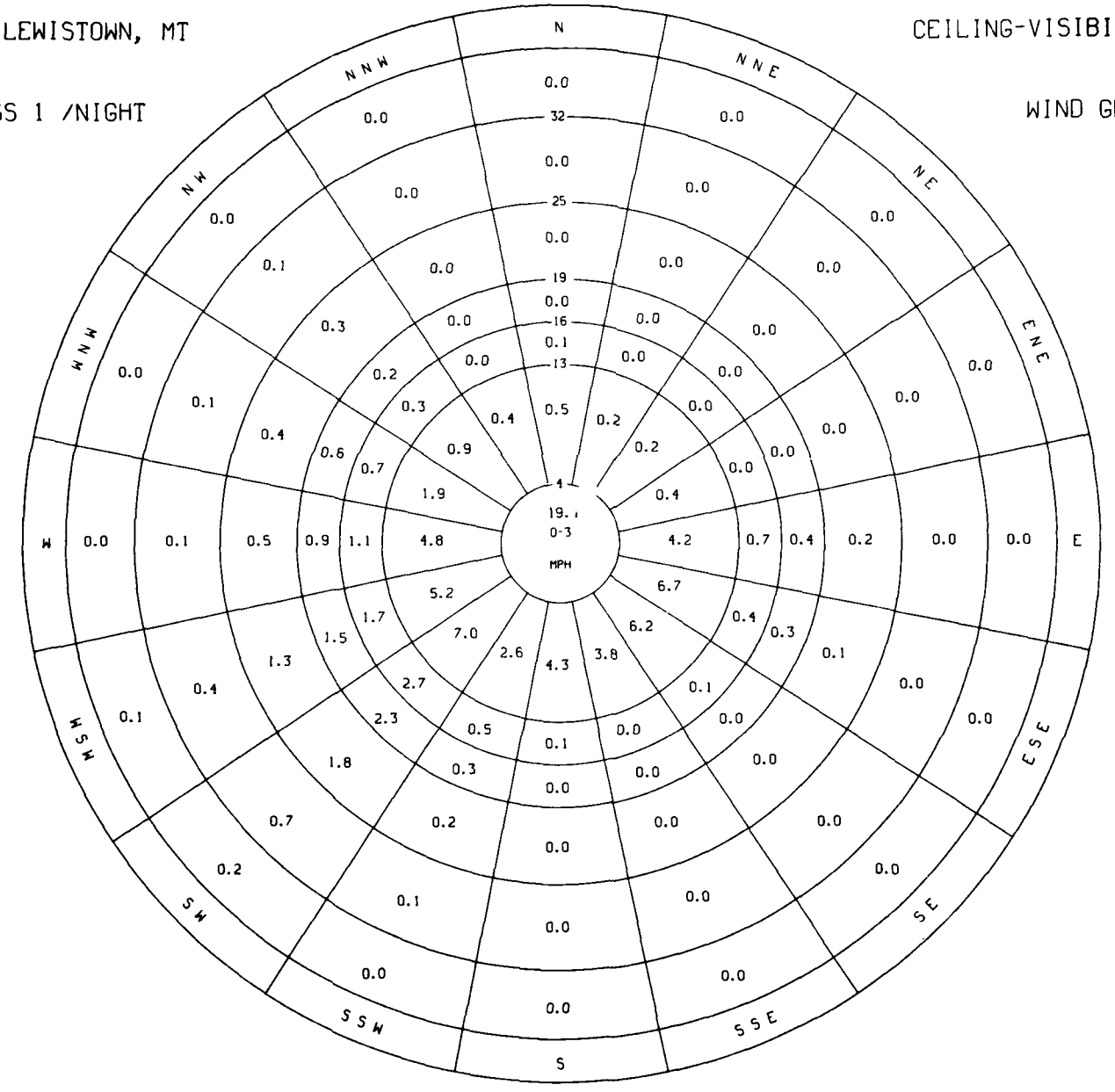
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.7	.7	2.3	2.5	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.6	3.9	8.2
NNE	.3	.3	.8	.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.3	1.4	7.3
NE	.4	.5	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.5	5.9
ENE	.2	.2	.9	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.3	1.4	8.0
E	1.2	1.3	4.5	4.9	1.2	1.3	1.0	1.1	.5	.5	.1	.1	.0	.0	8.4	9.1	10.1
ESE	.8	.9	3.9	4.3	.7	.7	.6	.6	.3	.4	.0	.0	.0	.0	6.3	6.9	9.3
SE	1.6	1.8	2.5	2.8	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	4.5	4.9	5.8
SSE	.5	.6	1.4	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.2	6.1
S	.7	.7	1.6	1.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.5	2.7	6.4
SSW	.3	.4	1.4	1.5	.3	.4	.4	.4	.2	.2	.1	.1	.0	.0	2.7	2.9	11.4
SW	.9	1.0	4.0	4.4	1.6	1.7	1.8	2.0	1.4	1.5	.5	.6	.1	.1	10.4	11.3	13.5
WSW	.4	.4	3.7	4.0	1.2	1.3	1.5	1.6	1.4	1.5	.5	.5	.1	.1	8.7	9.5	13 8
W	.8	.9	5.7	6.2	1.5	1.6	1.4	1.6	1.2	1.3	.4	.4	.1	.2	11.1	12.1	12.3
WNW	.3	.3	3.5	3.8	1.4	1.5	1.5	1.7	1.4	1.5	.5	.6	.2	.2	8.8	9.6	14.4
NW	.7	.8	3.5	3.8	1.2	1.3	1.3	1.5	1.0	1.1	.3	.3	.1	.1	8.1	8.8	12.6
NNW	.3	.3	1.7	1.8	.4	.4	.3	.4	.1	.2	.0	.0	.0	.0	2.8	3.1	10.2
CALM	7.9	8.6													7.9	8.6	
TOTAL	18.1	19.7	42.3	46.1	10.3	11.2	1	1 11.4	7.6	8.3	2.4	2.7	.6	.7	91.8	100	10.2

LWT LEWISTOWN, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24036

NO. OBS.: 33303

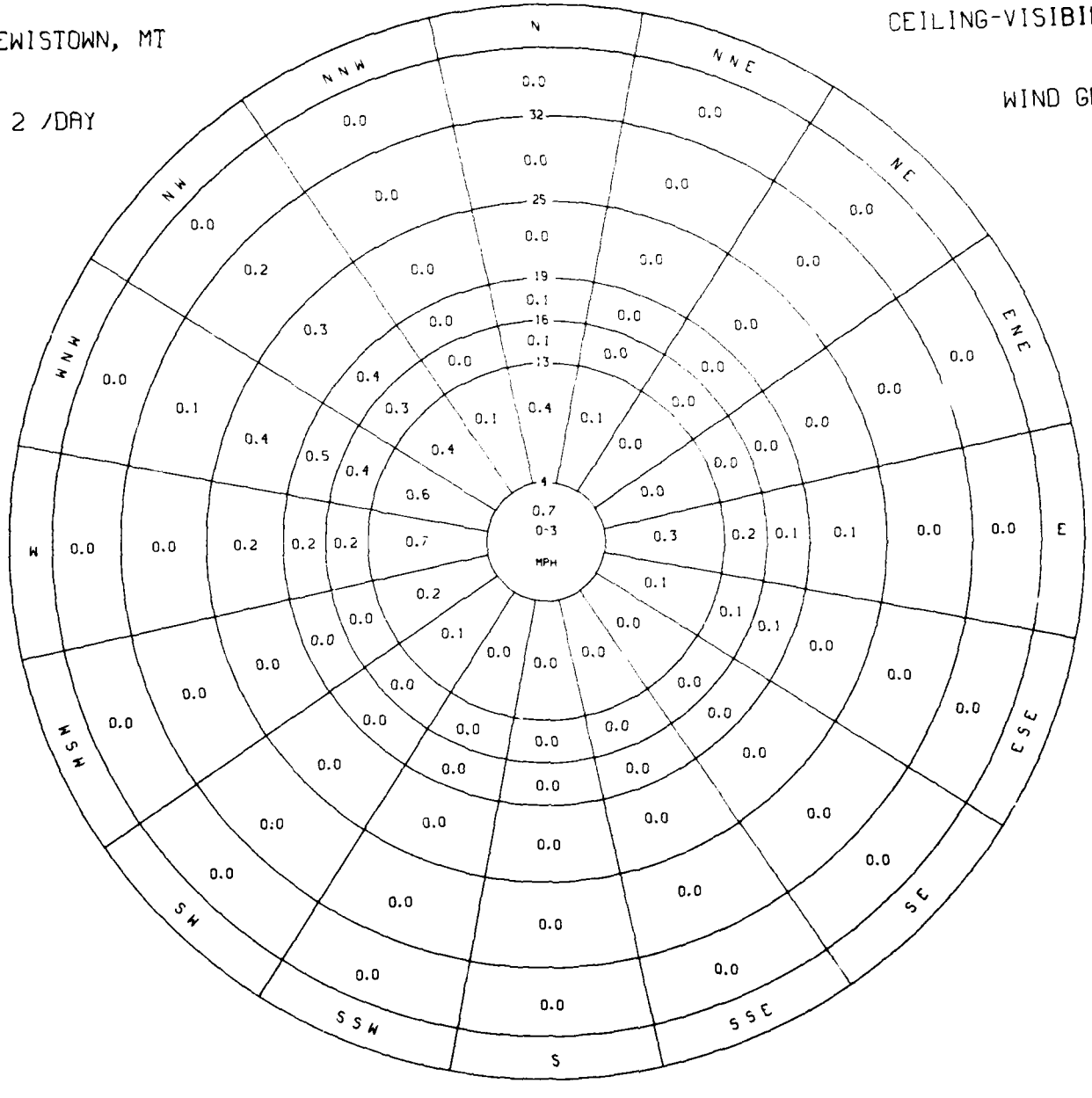
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	.5	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	6.9
NNE	.1	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	6.6
NE	.2	.2	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5	5.1
ENE	.1	.1	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	6.5
E	1.0	1.0	4.2	4.7	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	6.5	7.2	8.8
ESE	1.5	1.7	6.7	7.3	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	9.0	9.9	7.5
SE	3.6	4.0	6.2	6.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	10.0	11.0	5.2
SSE	1.2	1.4	3.8	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.6	5.7
S	1.2	1.3	4.3	4.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.6	6.2	6.1
SSW	.6	.6	2.6	2.9	.5	.5	.3	.4	.2	.2	.1	.1	.0	.0	4.2	4.7	9.8
SW	1.0	1.1	7.0	7.7	2.7	2.9	2.3	2.5	1.8	1.9	.7	.7	.2	.2	15.5	17.1	13.1
WSW	.4	.4	5.2	5.8	1.7	1.9	1.5	1.7	1.3	1.4	.4	.5	.1	.1	10.7	11.8	13.2
W	.5	.6	4.8	5.3	1.1	1.2	.9	.9	.5	.5	.1	.2	.0	.0	7.9	8.7	11.0
WNW	.3	.3	1.9	2.1	.7	.8	.6	.7	.4	.5	.1	.1	.0	.0	4.1	4.5	12.3
NW	.3	.4	.9	1.0	.3	.3	.2	.3	.3	.3	.1	.1	.0	.0	2.2	2.4	11.8
NNW	.1	.1	.4	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.6	.7	8.8
CALM	7.0	7.7													7.0	7.7	
TOTAL	19.4	21.4	49.4	54.4	8.4	9.3	6.8	7.5	4.9	5.3	1.5	1.7	.4	.4	90.8	100	8.9

LWT LEWISTOWN, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 24036

NO. OBS.: 4432

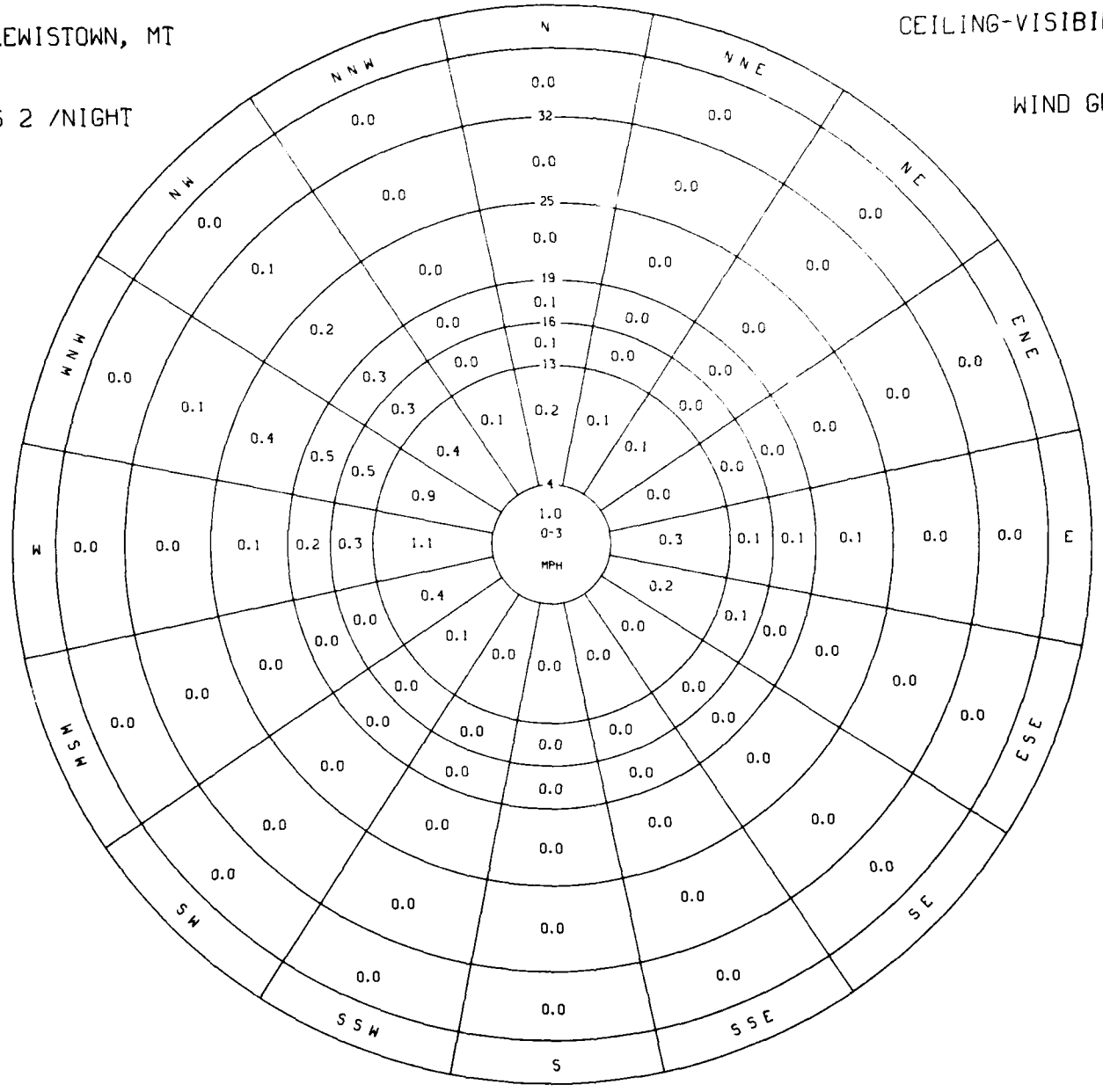
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.4	4.3	.1	1.0	.1	1.0	.0	.5	.0	.0	.0	.0	.6	7.3	11.3
NNE	.0	.1	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.4	10.7
NE	.0	.3	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.7	7.2
ENE	.0	.1	.0	.5	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.1	1.0	10.5
E	.0	.5	.3	3.8	.2	1.9	.1	1.4	.1	1.1	.0	.1	.0	.0	.7	8.8	12.7
ESE	.0	.3	.1	1.8	.1	.8	.1	.8	.0	.3	.0	.0	.0	.0	.3	4.0	12.0
SE	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	6.5
SSE	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.1
S	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.2
SSW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5.6
SW	.0	.2	.1	1.3	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1 6	8.7
WSW	.0	.2	.2	2.4	.0	.4	.0	.2	.0	.3	.0	.0	.0	.0	.3	3.6	10.8
W	.1	.7	.7	8.1	.2	2.7	.2	2.1	.2	1.9	.0	.6	.0	.2	1.3	16.2	12.9
WNW	.0	.5	.6	7.5	.4	5.4	.5	6.	.4	5.2	.1	1.5	.0	.5	2.2	26.7	15.8
NW	.1	.7	.4	5.2	.3	3.3	.4	4.6	.3	4.1	.2	1.9	.0	.5	1.7	20.2	16.2
NNW	.0	.3	.1	1.5	.0	.5	.0	.4	.0	.3	.0	.1	.0	.1	.3	3.1	12.3
CALM	.3	3.8													.3	3.8	
TOTAL	.7	8.5	3.2	38.6	1.3	16.3	1.4	17.0	1.2	14.0	.4	4.4	.1	1.3	8.2	100	13.3

LWT LEWISTOWN, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24036

NO. OBS.: 3378

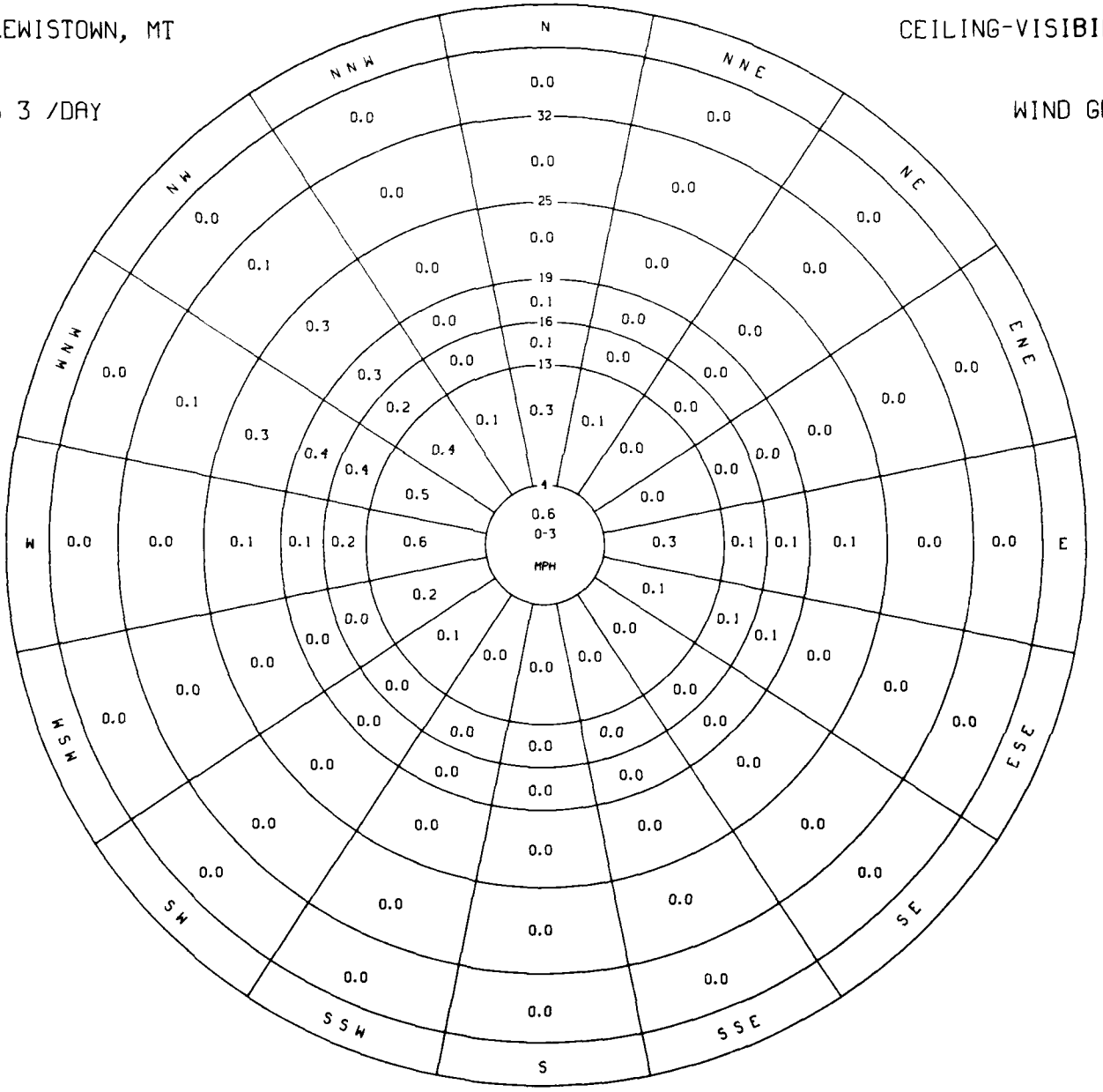
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.2	2.7	.1	.8	.1	.7	.0	.2	.0	.0	.0	.0	.4	4.9	10.3
NNE	.0	.2	.1	.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1	1.4	10.0
NE	.0	.1	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	6.1
ENE	.0	.1	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	.8	10.1
E	.0	.5	.3	3.8	.1	1.5	.1	1.0	.1	.6	.0	.1	.0	.1	.7	7.6	12.1
ESE	.0	.3	.2	2.7	.1	1.1	.0	.1	.0	.4	.0	.0	.0	.0	.4	4.6	10.7
SE	.0	.4	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	6.4
SSE	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.9
S	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	4.4
SSW	.0	.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	7.9
SW	.1	.7	.1	1.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.6	7.8
WSW	.1	.7	.4	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.2	8.0
W	.1	1.1	1.1	12.0	.3	3.1	.2	2.2	.1	1.4	.0	.3	.0	.2	1.9	20.2	11.5
WNW	.0	.5	.9	9.2	.5	5.1	.5	5.9	.4	4.5	.1	1.1	.0	.3	2.4	26.6	14.9
NW	.0	.5	.4	4.5	.3	2.7	.3	3.5	.2	2.4	.1	1.0	.0	.2	1.4	14.9	15.0
NNW	.0	.3	.1	1.5	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.7	11.3
CALM	.5	4.9													.5	4.9	
TOTAL	1.0	11.2	4.2	45.3	1.5	16.0	1.3	14.2	.9	9.9	.2	2.7	.1	.7	9.2	100	11.8

LWT LEWISTOWN, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24036

NO. OBS.: 3581

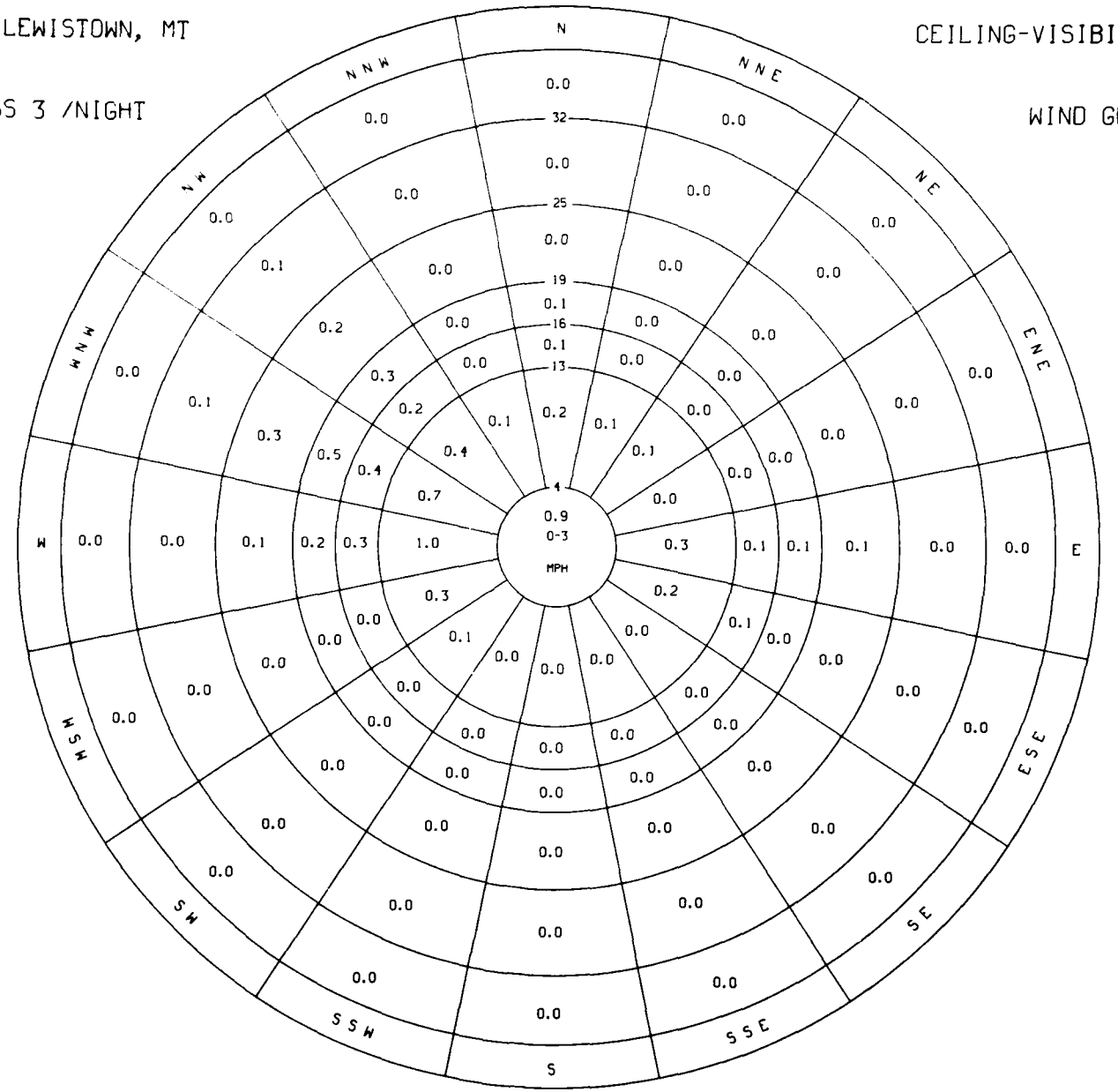
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.3	4.6	.1	1.1	.1	.9	.0	.3	.0	.0	.0	.0	.5	7.4	10.7
NNE	.0	.1	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.5	10.5
NE	.0	.4	.0	.3	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.8	7.1
ENE	.0	.1	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.0	10.5
E	.0	.6	3	4.1	.1	2.2	.1	1.5	.1	1.2	.0	.1	.0	.0	.6	9.7	12.8
ESE	.0	.3	.1	2.0	.1	.9	.1	.9	.0	.4	.0	.0	.0	.0	.3	4.6	12.1
SE	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	6.7
SSE	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.3
S	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.2
SSW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.4
SW	.0	.2	.1	1.4	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.8	8.2
WSW	.0	.2	.2	2.6	.0	.4	.0	.2	.0	.3	.0	.0	.0	.0	.3	3.8	10.3
W	.0	.6	.6	8.7	.2	2.6	.1	2.0	.1	1.8	.0	.5	.0	.1	1.1	16.3	12.6
WNW	.0	.5	.5	7.8	.4	5.6	.4	5.8	.3	4.0	.1	.8	.0	.2	1.6	24.7	14.8
NW	.0	.5	.4	5.6	.2	3.7	.3	4.5	.3	3.8	.1	1.2	.0	.1	1.3	19.4	15.3
NNW	.0	.3	.1	1.6	.0	.5	.0	.4	.0	.3	.0	.1	.0	.0	.2	3.2	11.5
CALM	.3	4.1													.3	4.1	
TOTAL	.6	9.0	2.8	41.3	1.2	17.4	1.1	16.7	.8	12.3	.2	2.8	.0	.5	6.7	100	12.6

LWT LEWISTOWN, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24036

NO. OBS.: 2930

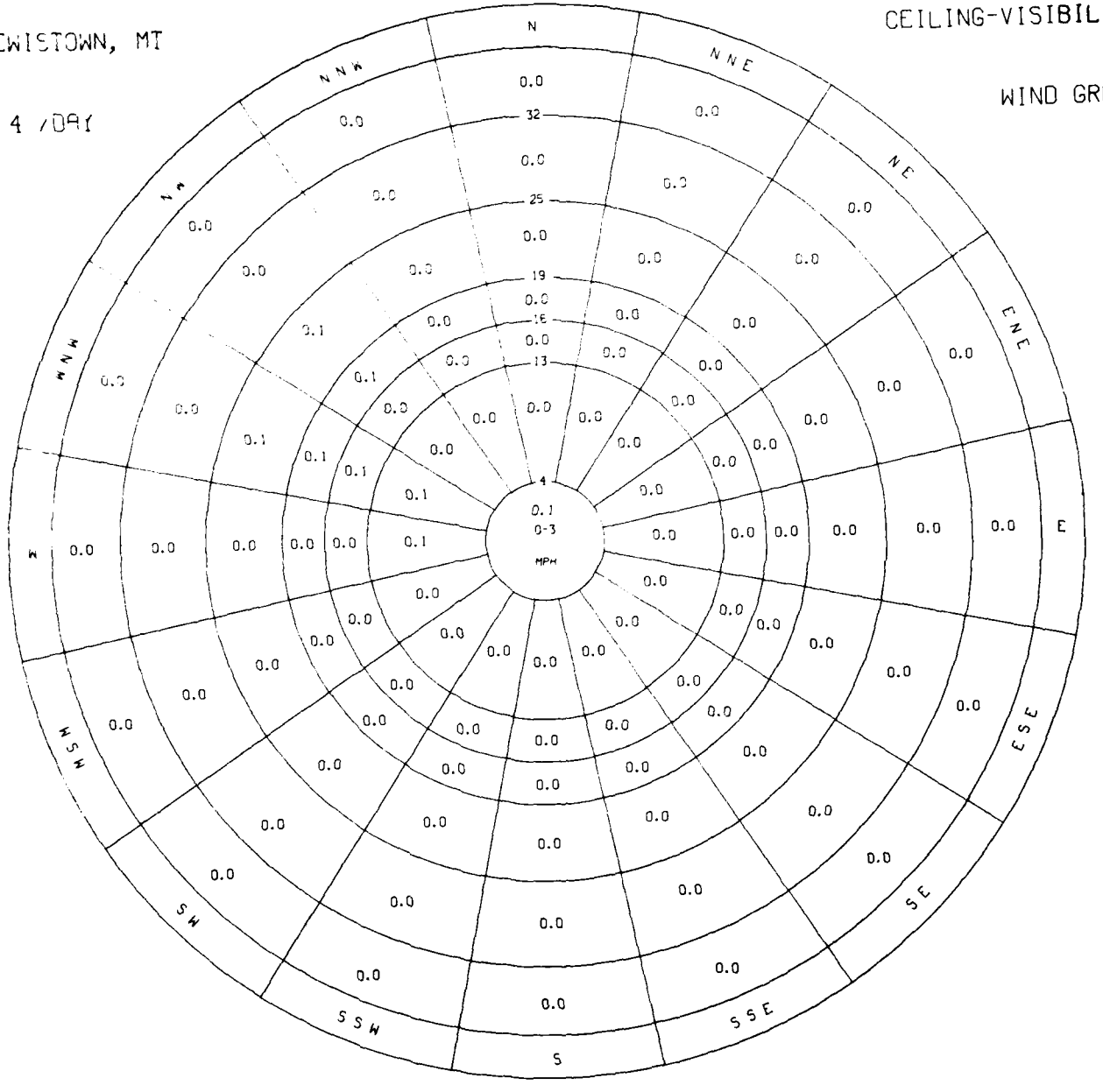
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.2	2.7	.1	.8	.1	.7	.0	.2	.0	.0	.0	.0	.4	4.9	10.1
NNE	.0	.3	.1	.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	1.5	9.6
NE	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.9
ENE	.0	.1	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	9.9
E	.0	.4	.3	4.0	.1	1.8	.1	1.2	.1	.7	.0	.2	.0	.1	.7	8.4	12.4
ESE	.0	.3	.2	2.7	.1	1.2	.0	.1	.0	.4	.0	.0	.0	.0	.4	4.8	10.8
SE	.0	.4	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.2	6.4
SSE	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	9.1
S	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.7
SSW	.0	.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	8.1
SW	.1	.7	.1	1.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.7	7.4
WSW	.1	.8	.3	4.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.5	8.0
W	.1	1.1	1.0	12.4	.3	3.2	.2	2.2	.1	1.4	.0	.3	.0	.1	1.6	20.6	11.3
WNW	.0	.5	.7	9.0	.4	4.9	.5	5.7	.3	3.7	.1	.7	.0	.1	2.0	24.6	14.3
NW	.0	.5	.4	4.7	.2	2.7	.3	3.5	.2	2.2	.1	.7	.0	.0	1.2	14.4	14.4
NNW	.0	.3	.1	1.7	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.2	2.9	11.0
CALM	.4	5.1													.4	5.1	
TOTAL	.9	11.7	3.7	46.6	1.3	16.3	1.1	14.2	.7	8.9	.2	2.0	.0	.3	8.0	100	11.5

LWT LEWISTOWN, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24036

NO. OBS.: 660

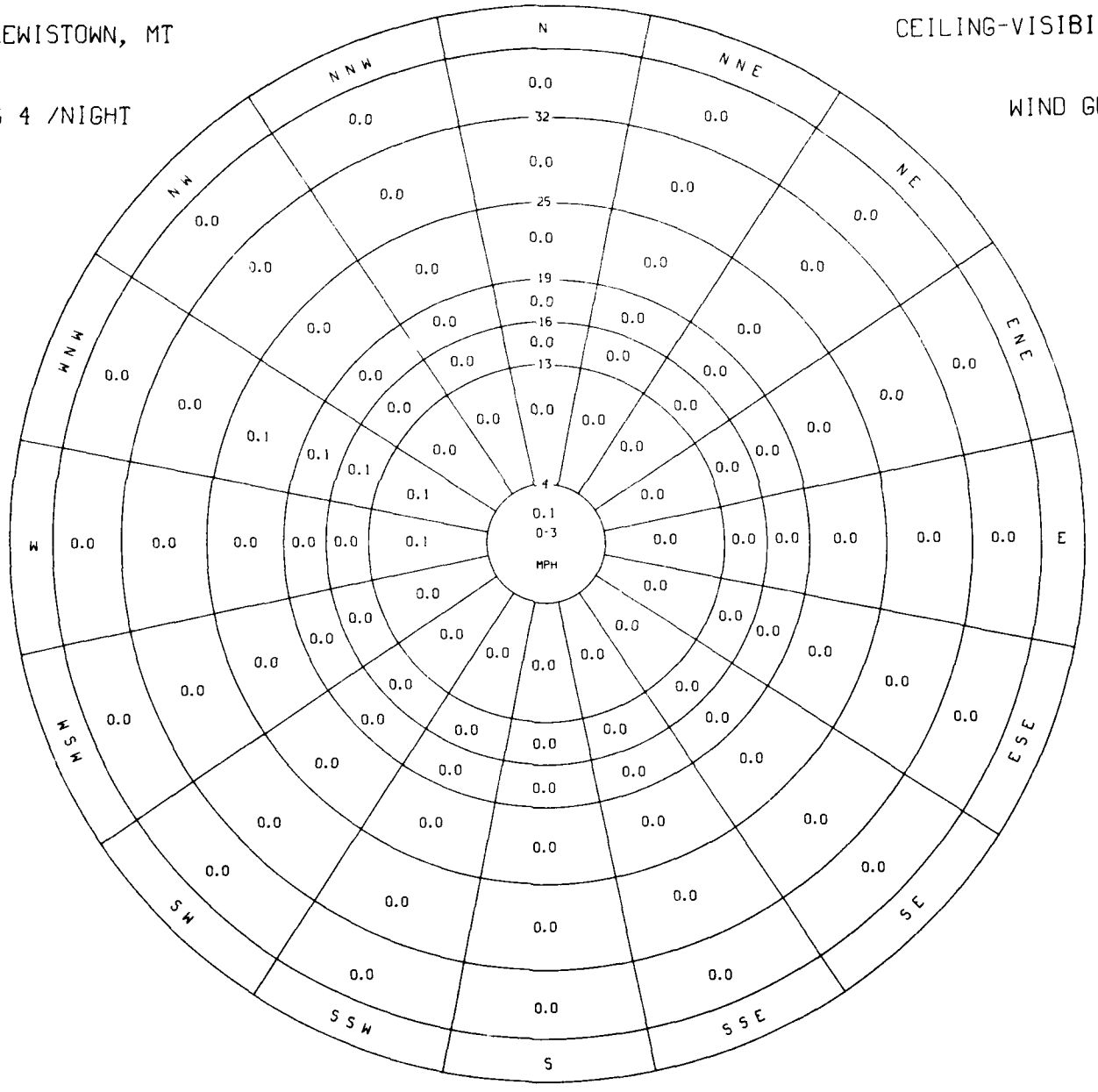
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.7	.0	.6	.0	1.8	.0	.9	.0	.0	.0	.0	.1	6.1	13.7
NNE	.0	.2	.0	.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.2	11.5
NE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.0
ENE	.0	.0	.0	.8	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.1	10.6
E	.0	.3	.0	3.2	.0	.3	.0	.8	.0	.9	.0	.2	.0	.0	.1	5.6	12.1
ESE	.0	.3	.0	.8	.0	.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.5	9.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.2
SW	.0	.0	.0	.8	.0	.0	.0	.2	.0	.3	.0	.0	.0	.0	.0	1.2	11.6
WSW	.0	.3	.0	1.5	.0	.5	.0	.0	.0	.6	.0	.0	.0	.0	.0	2.9	11.9
W	.0	.6	.1	5.3	.0	3.0	.0	2.9	.0	2.1	.0	.9	.0	.2	.2	15.0	14.4
WNW	.0	.3	.1	6.4	.1	5.3	.1	9.4	.1	9.8	.0	3.5	.0	.9	.4	35.6	17.9
NW	.0	1.4	.0	3.8	.0	2.0	.1	5.8	.1	5.3	.0	3.8	.0	1.4	.3	23.3	18.3
NNW	.0	.2	.0	1.5	.0	.3	.0	.5	.0	.3	.0	.2	.0	.5	.0	3.3	16.1
CALM	.0	2.4													.0	2.4	
TOTAL	.1	6.4	.3	27.6	.2	12.6	.3	21.7	.3	20.5	.1	8.5	.0	2.9	1.2	100	15.7

LWT LEWISTOWN, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 24036

NO. OBS.: 336

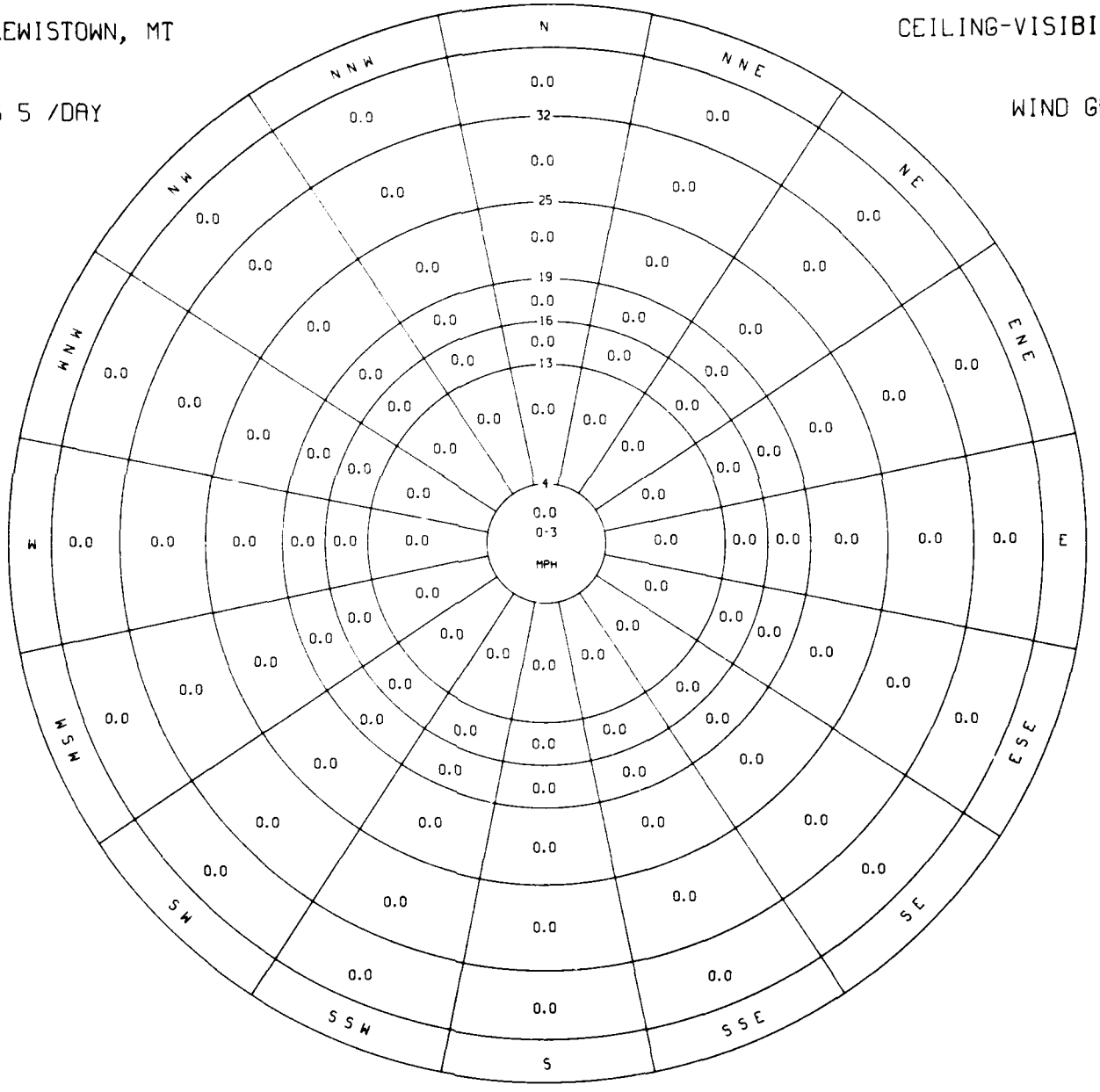
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.1	.0	1.5	.0	.6	.0	.3	.0	.0	.0	.0	.0	4.5	12.6
NNE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.9	14.3
NE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	9.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.8
ESE	.0	.6	.0	2.1	.0	.0	.0	.3	.0	.6	.0	.0	.0	.0	.0	3.6	10.7
SE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	9.0
SSE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.0
S	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0
SSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.0
SW	.0	.3	.0	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.0	2.4	12.0
WSW	.0	.3	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.0
W	.0	.9	.1	7.4	.0	2.7	.0	3.0	.0	1.2	.0	.3	.0	.3	.1	15.8	12.5
WNW	.0	.3	.1	10.1	.1	6.3	.1	7.7	.1	12.5	.0	3.9	.0	.6	.4	41.4	17.1
NW	.0	.3	.0	3.9	.0	2.7	.0	4.8	.0	4.2	.0	3.0	.0	.0	.2	18.8	17.2
NNW	.0	.3	.0	.6	.0	.0	.0	.3	.0	.6	.0	.3	.0	.0	.0	2.1	15.9
CALM	.0	3.6													.0	3.6	
TOTAL	.1	7.1	.3	34.5	.1	13.4	.2	16.7	.2	19.6	.1	7.4	.0	1.2	.9	100	14.5

LWT LEWISTOWN, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] LEWISTOWN, MT

PERIOD: 1948-1978

CLASS B / CAT

STATION NUMBER: 24036

NO. OBS.: 137

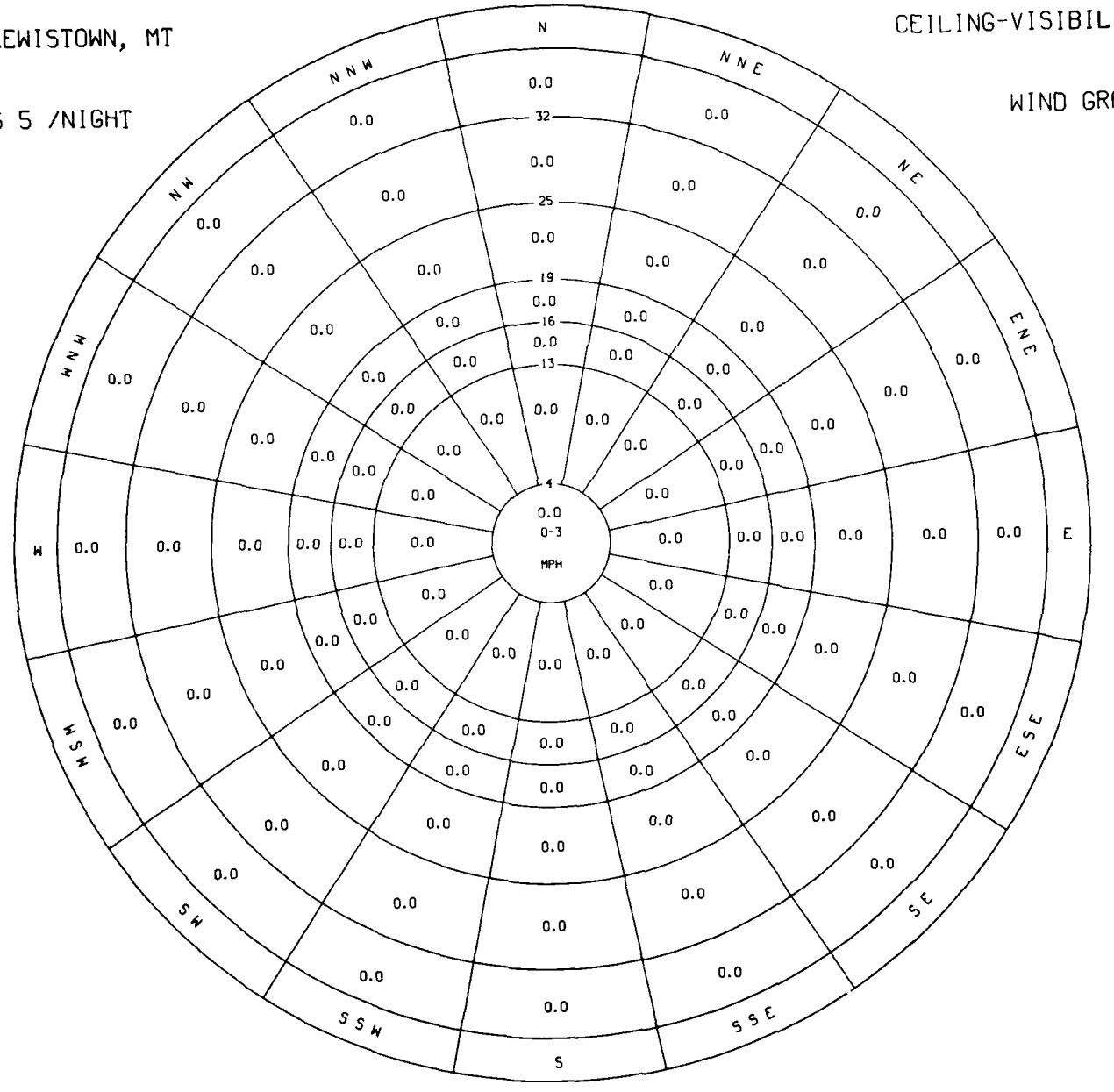
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.9	.0	.0	.0	1.6	.0	1.5	.0	.7	.0	.0	.0	6.6	15.1
NNE	.0	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.5	13.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.7	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	2.2	11.3
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	21.0
SE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	12.0
WSW	.0	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.5	13.5
W	.0	1.5	.0	7.3	.0	2.2	.0	1.5	.0	2.9	.0	1.5	.0	1.5	.0	18.2	14.4
WNW	.0	.0	.0	4.4	.0	2.9	.0	2.9	.0	15.3	.0	8.0	.0	3.6	.1	37.2	22.2
NW	.0	.7	.0	3.6	.0	.7	.0	1.5	.0	5.1	.0	8.8	.0	5.1	.1	25.5	23.4
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	30.0
CALM	.0	3.6													.0	3.6	
TOTAL	.0	7.3	.1	21.2	.0	6.6	.0	9.5	.1	25.5	.1	19.7	.0	10.2	.3	100	19.1

LWT LEWISTOWN, MT

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24036

NO. OBS.: 74

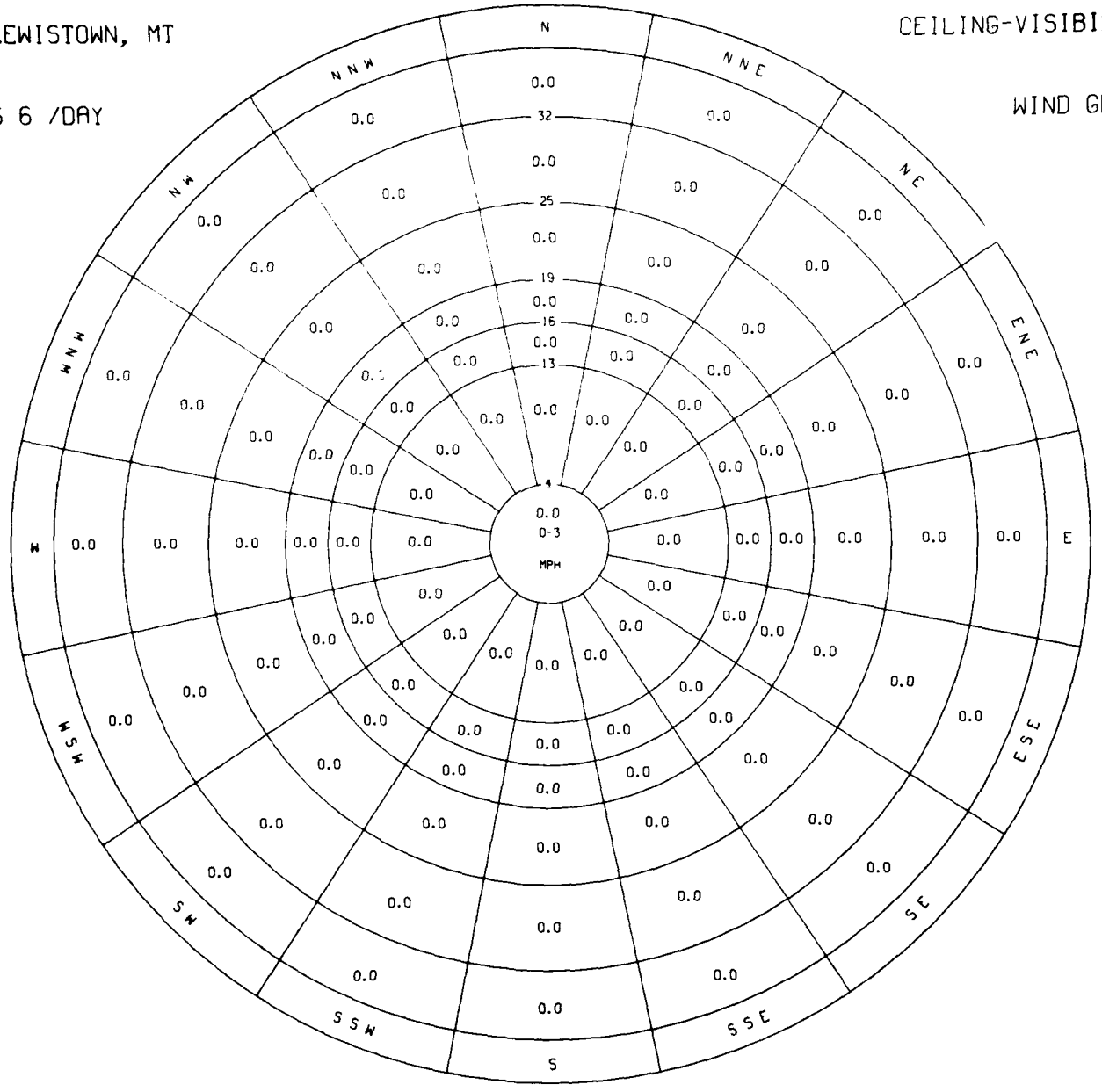
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.4	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	4.1	12.7
NNE	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	13.0
NE	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.0
ENE	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	1.4	16.0
E	.0	4.1	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	4.6
ESE	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	5.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	12.0
W	.0	1.4	.0	13.5	.0	4.1	.0	2.7	.0	1.4	.0	1.4	.0	.0	.0	24.3	11.7
WNW	.0	.0	.0	13.5	.0	5.4	.0	2.7	.0	4.1	.0	4.1	.0	4.1	.1	33.8	17.8
NW	.0	.0	.0	4.1	.0	2.7	.0	.0	.0	4.1	.0	2.7	.0	2.7	.0	16.2	20.4
NNW	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.0
CALM	.0	5.4													.0	5.4	
TOTAL	.0	12.2	.1	39.2	.0	16.2	.0	8.1	.0	9.5	.0	8.1	.0	6.8	.2	100	13.9

LWT LEWISTOWN, MT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 24036

NO. OBS.: 54

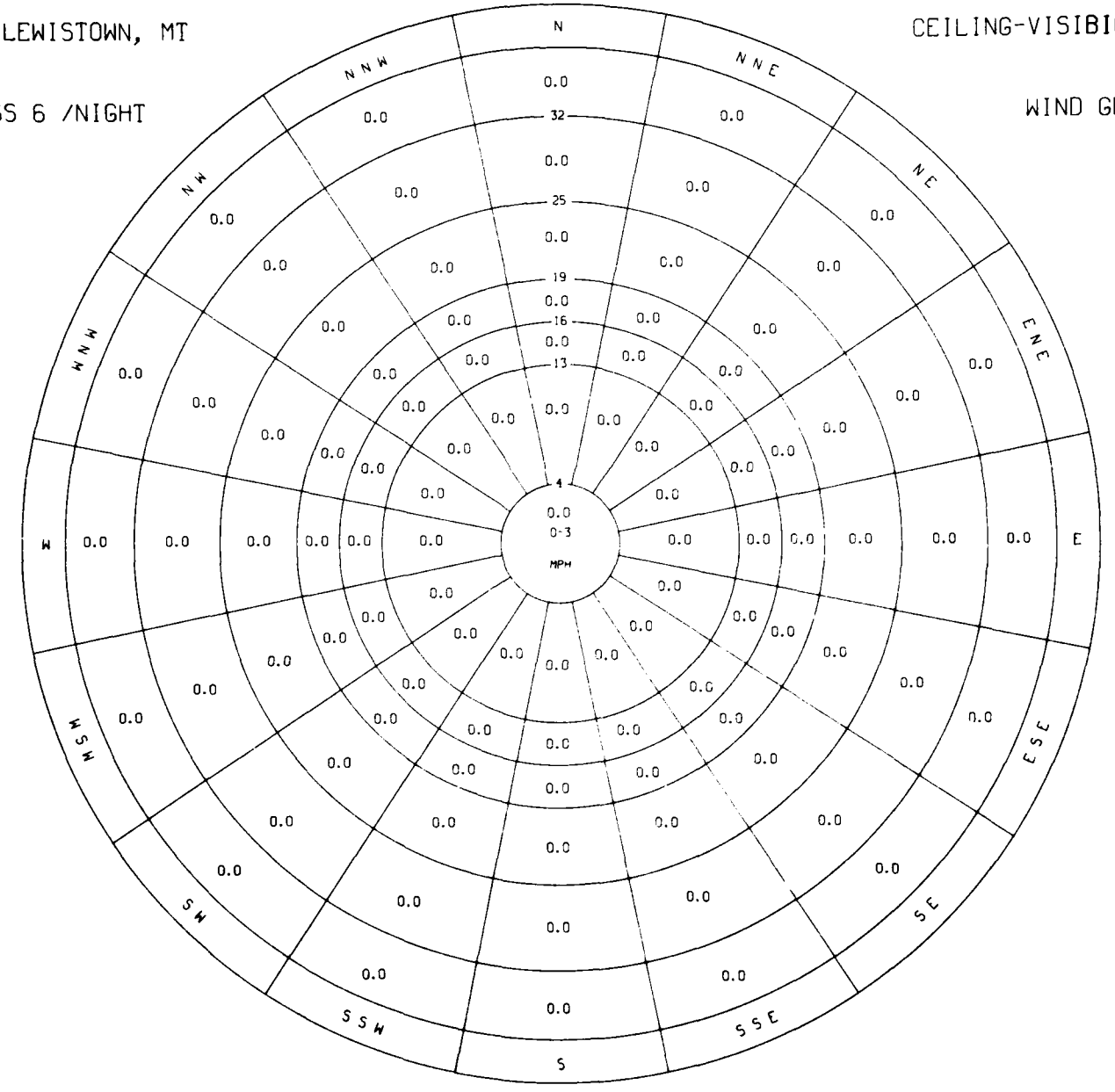
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	7.4	.0	.0	.0	.0	.0	3.7	.0	1.9	.0	.0	.0	13.0	15.6
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.0
SSE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	1.9	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	1.9	.0	7.4	20.7
W	.0	.0	.0	9.3	.0	7.4	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	20.4	13.3
WNW	.0	.0	.0	5.6	.0	1.9	.0	.0	.0	5.6	.0	5.6	.0	3.7	.0	22.2	21.5
NW	.0	1.9	.0	1.9	.0	3.7	.0	.0	.0	5.6	.0	7.4	.0	5.6	.0	25.9	23.2
NNW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	8.0
CALM	.0	3.7													.0	3.7	
TOTAL	.0	5.6	.0	33.3	.0	14.8	.0	1.9	.0	16.7	.0	16.7	.0	11.1	.1	100	17.5

LWT LEWISTOWN, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LWT LEWISTOWN, MT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24036

NO. OBS.: 38

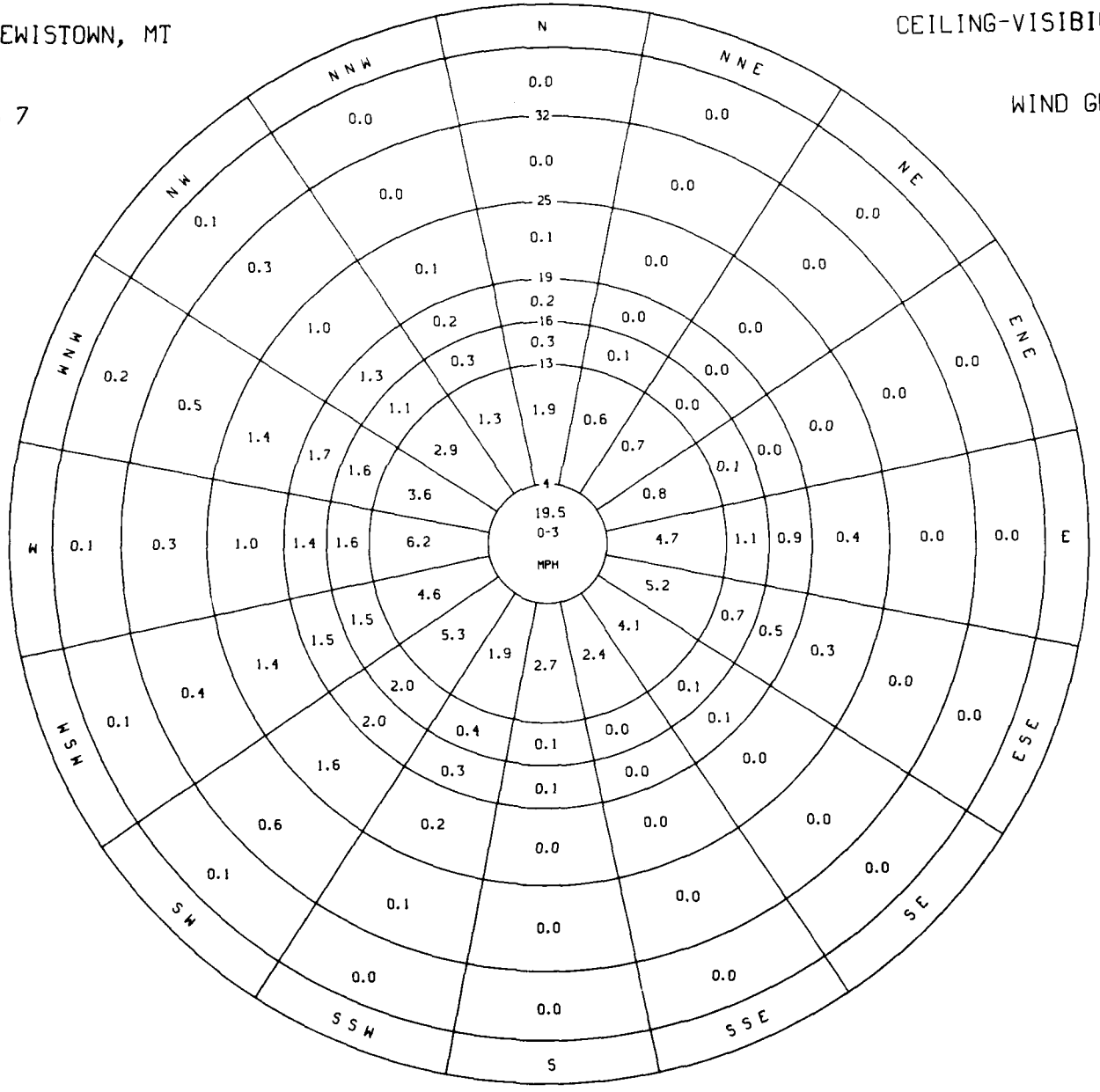
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	7.3
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	5.0
ESE	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.5
SE	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.0
SSW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.0
SW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	15.8	.0	.0	.0	.0	.0	2.6	.0	.0	.0	5.3	.0	23.7	16.9
WNW	.0	.0	.0	13.2	.0	7.9	.0	5.3	.0	.0	.0	.0	.0	5.3	.0	31.6	16.2
NW	.0	2.6	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	7.9	.0	13.2	24.2
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	2.6													.0	2.6	
TOTAL	.0	7.9	.1	55.3	.0	10.5	.0	5.3	.0	2.6	.0	.0	.0	18.4	.1	100	14.0

LWT LEWISTOWN, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

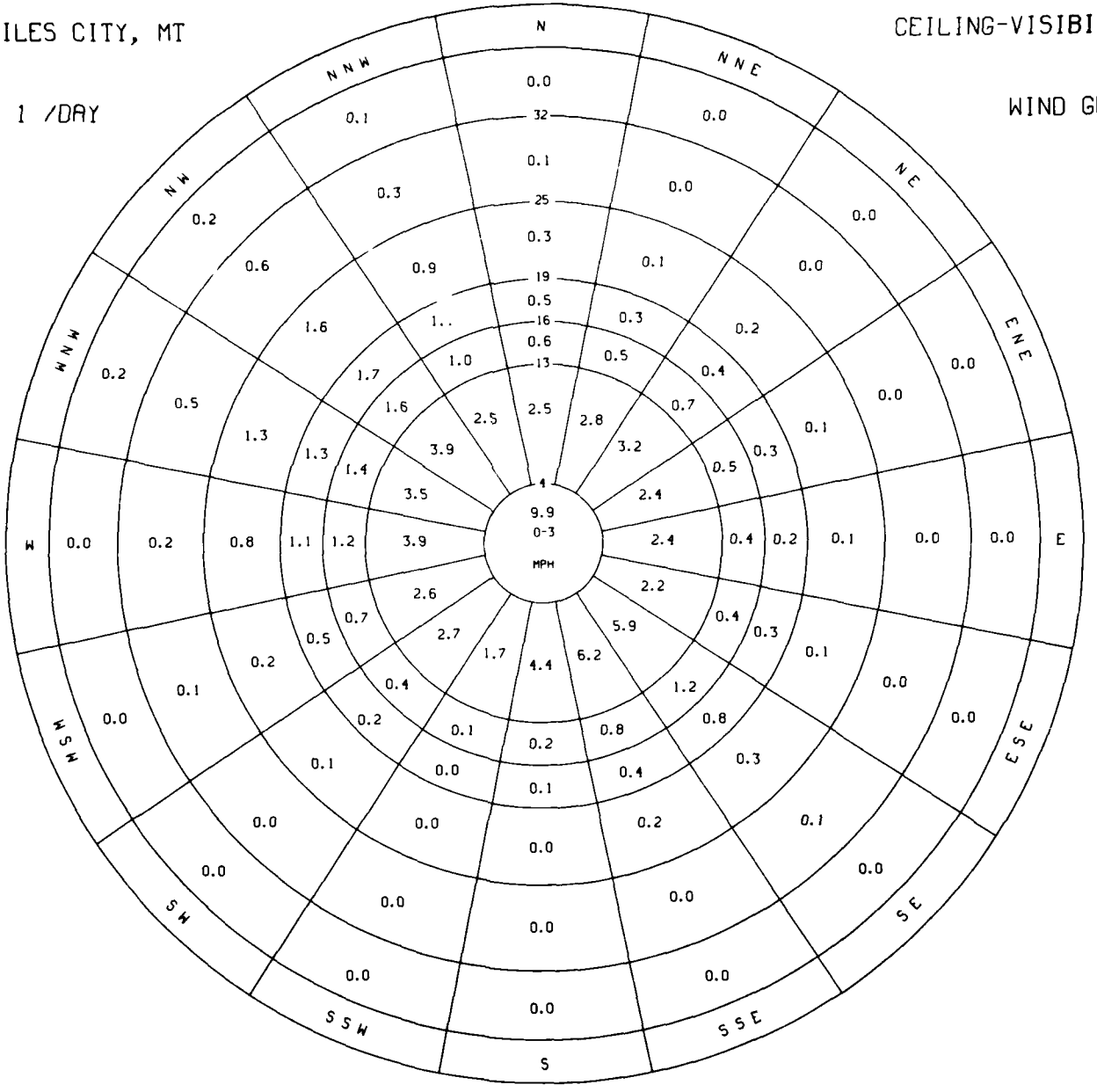


MLS MILES CITY, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILM

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24037

NO. OBS.: 48051

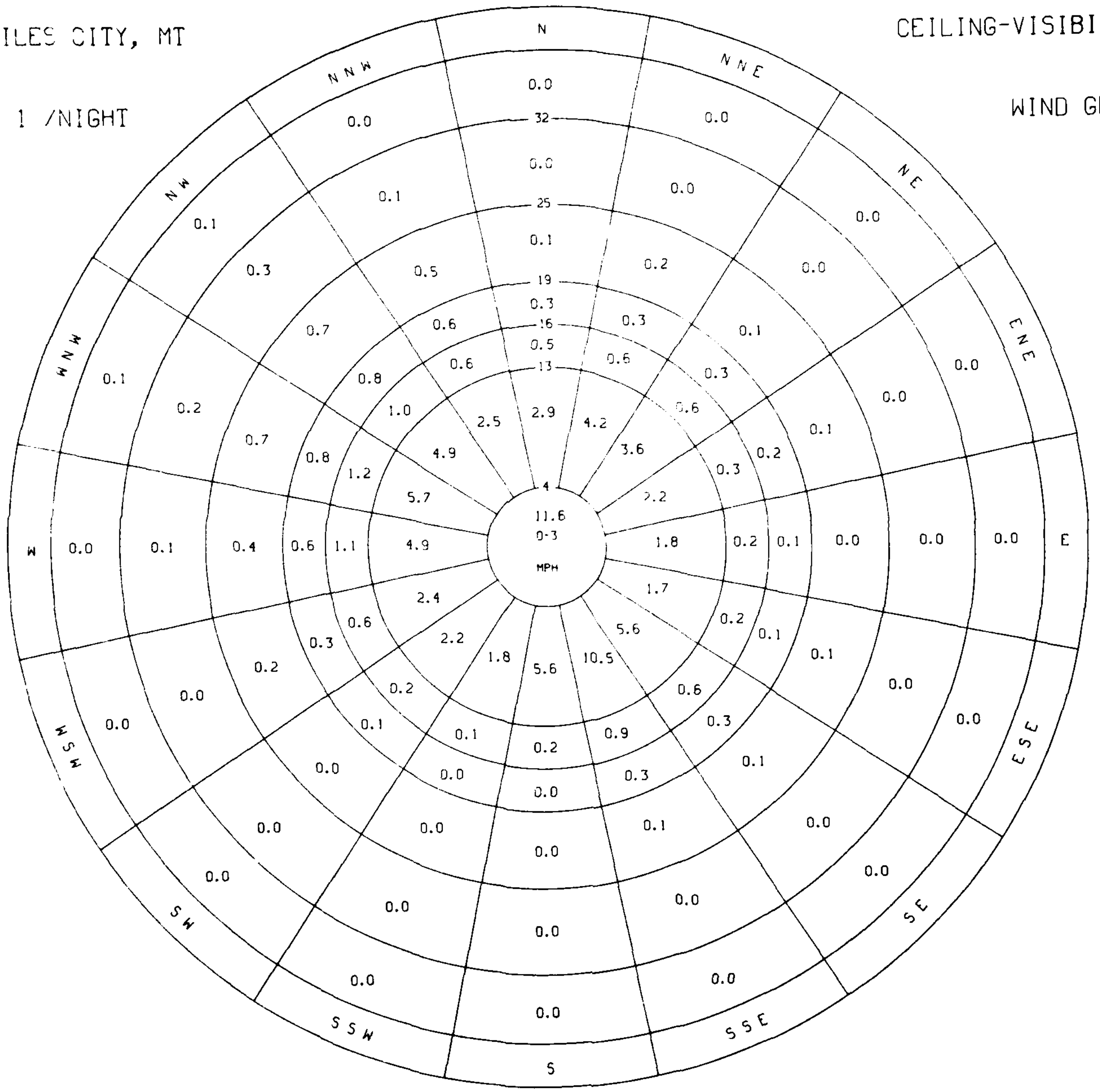
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	2.5	2.7	.6	.6	.5	.5	.3	.3	.1	.1	.0	.0	4.1	4.5	11.3
NNE	.2	.2	2.8	3.1	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	4.0	4.4	10.1
NE	.3	.3	3.2	3.5	.7	.7	.4	.4	.2	.2	.0	.0	.0	.0	4.7	5.1	10.2
ENE	.2	.2	2.4	2.6	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	3.5	3.7	10.1
E	.2	.3	2.4	2.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.3	3.5	9.2
ESE	.2	.2	2.2	2.4	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	3.2	3.5	9.8
SE	.5	.6	5.9	6.4	1.2	1.3	.8	.8	.3	.3	.1	.1	.0	.0	8.8	9.5	10.1
SSE	.4	.5	6.2	6.6	.8	.9	.4	.4	.2	.2	.0	.0	.0	.0	8.0	8.6	9.3
S	.6	.7	4.4	4.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.4	5.8	7.5
SSW	.3	.3	1.7	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.3	7.6
SW	.3	.4	2.7	3.0	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.8	4.1	9.0
WSW	.1	.2	2.6	2.8	.7	.8	.5	.6	.2	.3	.1	.1	.0	.0	4.3	4.7	11.5
W	.2	.3	3.9	4.2	1.2	1.3	1.1	1.2	.8	.8	.2	.2	.0	.0	7.5	8.1	12.8
WNW	.2	.2	3.5	3.8	1.4	1.5	1.3	1.4	1.3	1.4	.5	.6	.2	.2	8.4	9.1	14.6
NW	.2	.3	3.9	4.2	1.6	1.7	1.7	1.8	1.6	1.7	.6	.6	.2	.2	9.8	10.6	14.8
NNW	.2	.2	2.5	2.7	1.0	1.1	1.1	1.2	.9	1.0	.3	.3	.1	.1	6.2	6.7	14.1
CALM	5.3	5.8													5.3	5.8	
TOTAL	5.9	10.7	53.0	57.3	11.7	12.7	9.1	9.8	6.4	6.9	1.9	2.0	.5	.6	92.6	100	10.6

MLS MILES CITY, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24037

NO. OBS.: 35750

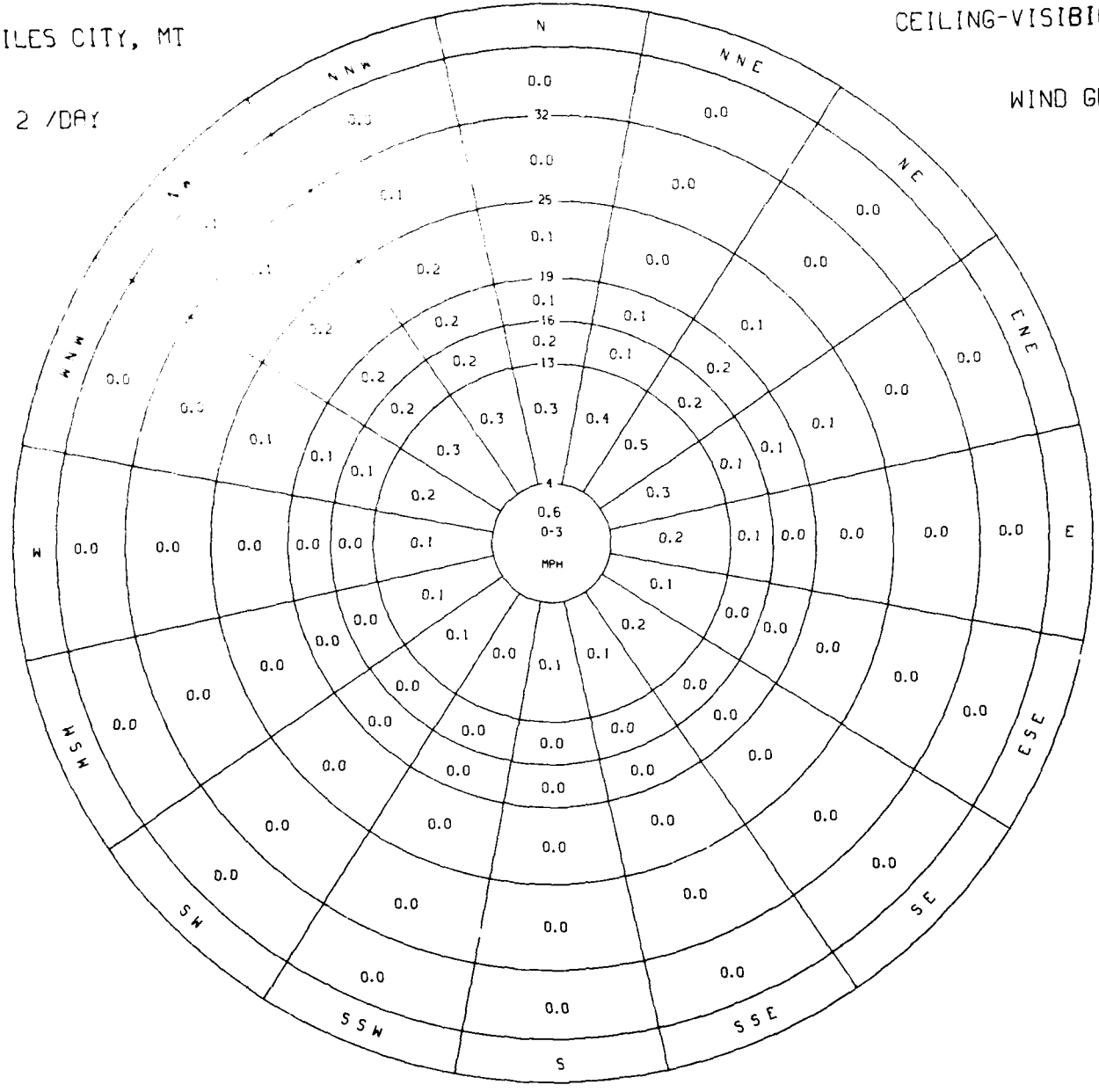
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.3	.3	2.9	3.2	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	4.1	4.4	9.6
NNE	.3	.4	4.2	4.5	.6	.7	.3	.3	.2	.2	.0	.0	.0	.0	5.6	6.0	9.5
NE	.3	.3	3.6	3.9	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	5.0	5.4	9.8
ENE	.3	.3	2.2	2.4	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.1	3.4	9.6
E	.2	.3	1.8	2.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.4	2.5	8.3
ESE	.2	.2	1.7	1.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.4	2.5	9.0
SE	.6	.7	5.6	6.1	.6	.6	.3	.4	.1	.1	.0	.0	.0	.0	7.3	7.9	8.8
SSE	.8	.8	10.5	11.3	.9	.9	.3	.3	.1	.1	.0	.0	.0	.0	12.4	13.4	8.5
S	.8	.9	5.6	6.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	6.7	7.2	7.3
SSW	.3	.3	1.8	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.3	7.0
SW	.3	.3	2.2	2.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.0	8.2
WSW	.2	.2	2.4	2.6	.6	.6	.3	.3	.2	.2	.0	.0	.0	.0	3.7	4.0	10.6
W	.4	.4	4.9	5.3	1.1	1.2	.6	.7	.4	.4	.1	.1	.0	.0	7.5	8.1	10.9
WNW	.4	.4	5.7	6.2	1.2	1.3	.8	.8	.7	.7	.2	.2	.1	.1	9.1	9.8	11.5
NW	.4	.4	4.9	5.3	1.0	1.1	.8	.9	.7	.8	.3	.3	.1	.1	8.1	8.8	11.9
NNW	.3	.3	2.5	2.7	.6	.6	.6	.6	.5	.5	.1	.2	.0	.0	4.6	5.0	12.0
CALM	5.7	6.1													5.7	6.1	
TOTAL	11.6	12.5	62.6	67.6	8.8	9.5	5.2	5.6	3.2	3.5	.9	1.0	.3	.3	92.5	100	9.2

MLS MILES CITY, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 24037

NO. OBS.: 3860

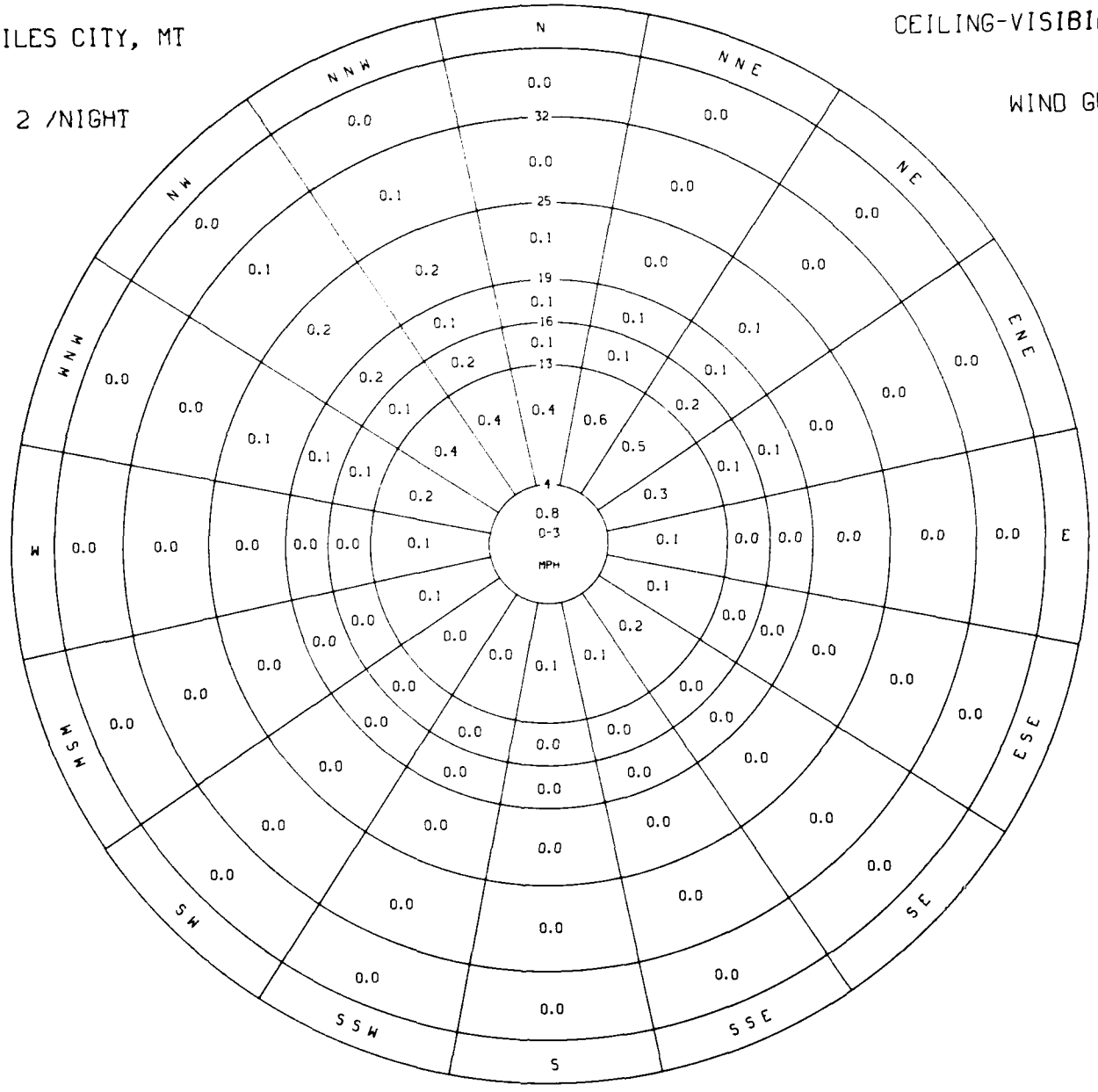
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.3	4.6	.2	2.0	.1	1.7	.1	1.4	.0	.5	.0	.1	.8	10.4	14.1
NNE	.0	.2	.4	5.8	.1	2.0	.1	1.2	.0	.6	.0	.1	.0	.0	.7	9.9	11.8
NE	.0	.3	.5	6.4	.2	2.5	.2	2.0	.1	1.2	.0	.1	.0	.1	.9	12.6	12.6
ENE	.0	.2	.3	4.1	.1	1.6	.1	1.1	.1	.9	.0	.1	.0	.0	.6	7.9	12.2
E	.0	.3	.2	2.6	.1	.8	.0	.4	.0	.3	.0	.0	.0	.0	.3	4.3	11.0
ESE	.0	.2	.1	1.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	1.9	10.0
SE	.0	.4	.2	2.2	.0	.5	.0	.4	.0	.1	.0	.0	.0	.0	.3	3.6	9.9
SSE	.0	.1	.1	1.3	.0	.?	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.7	8.7
S	.0	.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.2
SSW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.8
SW	.0	.1	.1	.8	.0	.1	.0	.0	.0	.1	.0	.1	.0	.1	.1	1.2	11.0
WSW	.0	.0	.1	.8	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	1.5	12.7
W	.0	.2	.1	1.8	.0	.5	.0	.4	.0	.6	.0	.2	.0	.2	.3	3.9	14.3
WNW	.0	.2	.2	2.3	.1	.9	.1	.7	.1	1.3	.0	.6	.0	.3	.5	6.3	16.2
NW	.0	.2	.3	4.2	.2	2.3	.2	3.0	.2	2.7	.1	1.6	.1	.7	1.1	14.7	17.1
NNW	.0	.2	.3	4.1	.2	2.6	.2	3.1	.2	2.9	.1	.9	.0	.3	1.0	14.0	16.1
CALM	.3	4.4													.3	4.4	
TOTAL	.6	7.4	3.2	43.4	1.2	16.6	1.1	14.5	.9	12.2	.3	4.1	.1	1.7	7.4	100	13.1

MLS MILES CITY, MT

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24037

NO. OBS.: 2887

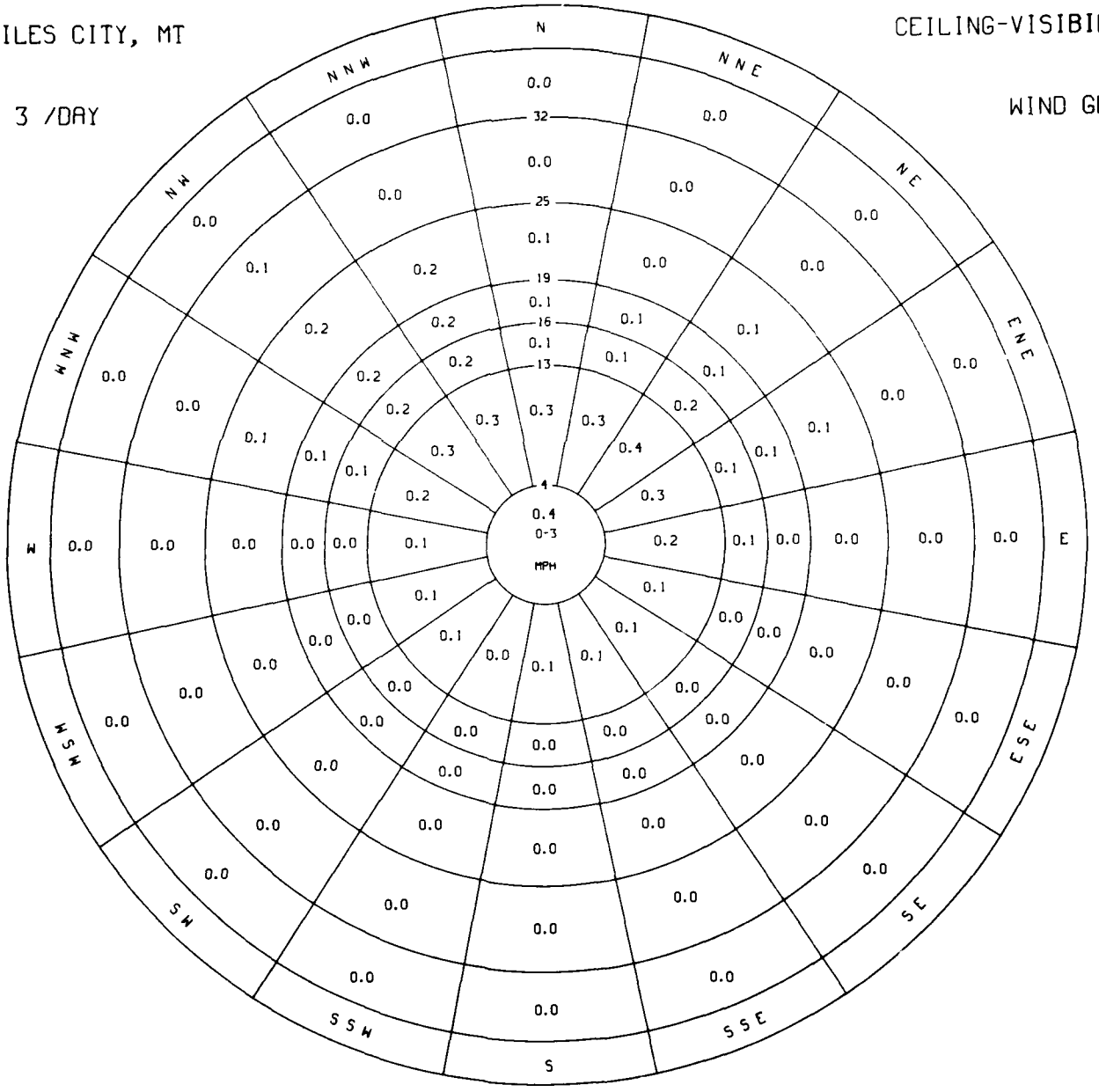
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.4	5.7	.1	1.7	.1	1.6	.1	1.0	.0	.2	.0	.0	.8	10.4	12.4
NNE	.1	.8	.6	7.9	.1	1.8	.1	1.4	.0	.6	.0	.1	.0	.0	.9	12.6	10.8
NE	.0	.5	.5	7.1	.2	2.5	.1	1.6	.1	.9	.0	.2	.0	.0	.9	12.7	11.8
ENE	.0	.2	.3	3.7	.1	.9	.1	.9	.0	.6	.0	.1	.0	.0	.5	6.3	12.1
E	.0	.2	.1	1.7	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.6	10.2
ESE	.0	.1	.1	1.3	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.9	9.9
SE	.0	.3	.2	2.6	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	3.5	8.8
SSE	.0	.2	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0	8.1
S	.0	.2	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	6.5
SSW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.1
SW	.0	.2	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	8.9
WSW	.0	.1	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.2	9.6
W	.0	.2	.1	1.9	.0	.4	.0	.2	.0	.3	.0	.1	.0	.0	.2	3.2	10.7
WNW	.0	.5	.2	2.6	.1	1.0	.1	1.0	.1	.9	.0	.6	.0	.2	.5	6.8	14.5
NW	.0	.3	.4	5.0	.1	1.7	.2	2.9	.2	2.2	.1	1.0	.0	.6	1.0	13.7	15.7
NNW	.0	.2	.4	5.1	.2	2.2	.1	1.9	.2	3.1	.1	.8	.0	.3	1.0	13.6	15.3
CALM	.5	6.4													.5	6.4	
TOTAL	.8	10.8	3.7	49.5	1.0	13.6	.9	12.0	.7	9.9	.2	3.0	.1	1.1	7.5	100	11.7

MLS MILES CITY, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 24037

NO. OBS.: 3225

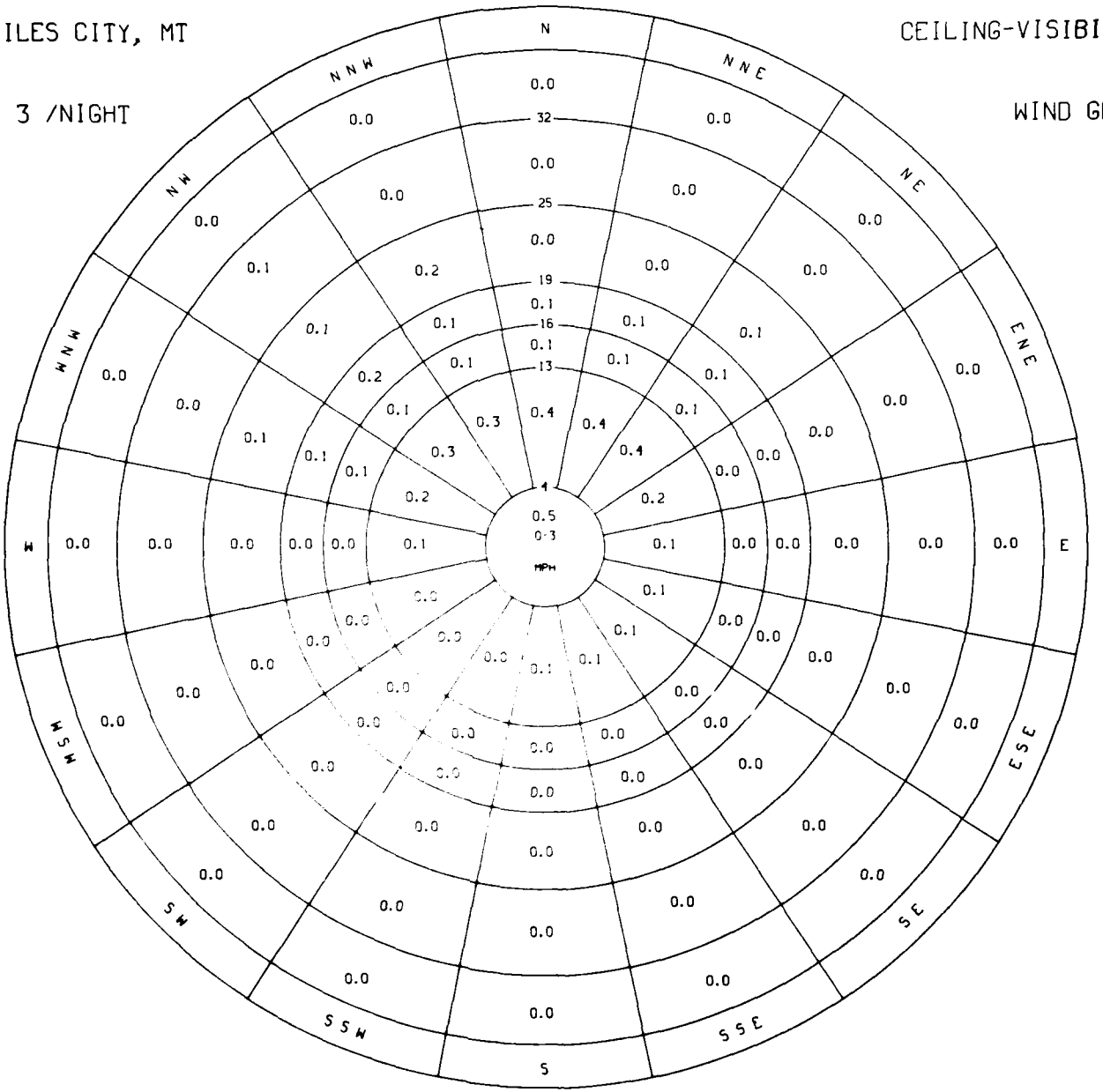
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.3	4.9	.1	2.1	.1	1.5	.1	1.4	.0	.4	.0	.1	.7	10.5	13.8
NNE	.0	.2	.3	5.6	.1	2.1	.1	1.3	.0	.5	.0	.1	.0	.0	.6	9.8	11.8
NE	.0	.3	.4	6.7	.2	2.5	.1	1.9	.1	1.0	.0	.1	.0	.1	.8	12.4	12.4
ENE	.0	.1	.3	4.3	.1	1.6	.1	1.1	.1	.8	.0	.0	.0	.0	.5	8.0	12.3
E	.0	.3	.2	2.9	.1	.9	.0	.3	.0	.2	.0	.0	.0	.0	.3	4.7	10.9
ESE	.0	.1	.1	1.2	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.0	10.8
SE	.0	.4	.1	2.2	.0	.6	.0	.5	.0	.1	.0	.0	.0	.0	.2	3.7	10.1
SSE	.0	.1	.1	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	9.3
S	.0	.1	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.3
SSW	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.8
SW	.0	.1	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	9.4
WSW	.0	.0	.1	.8	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	1.6	13.3
W	.0	.2	.1	2.0	.0	.5	.0	.5	.0	.6	.0	.2	.0	.2	.2	4.0	13.8
WNW	.0	.2	.2	2.5	.1	.9	.1	.8	.1	1.3	.0	.6	.0	.3	.4	6.7	16.2
NW	.0	.2	.3	4.6	.2	2.4	.2	3.3	.2	2.4	.1	1.4	.0	.5	.9	14.9	16.5
NNW	.0	.2	.3	4.6	.2	2.9	.2	2.9	.2	2.8	.0	.7	.0	.2	.9	14.3	15.5
CALM	.2	3.7													.2	3.7	
TOTAL	.4	6.0	2.8	45.1	1.1	17.6	.9	14.7	.7	11.5	.2	3.6	.1	1.5	6.2	100	13.1

MLS MILES CITY, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24037

NO. OBS.: 2258

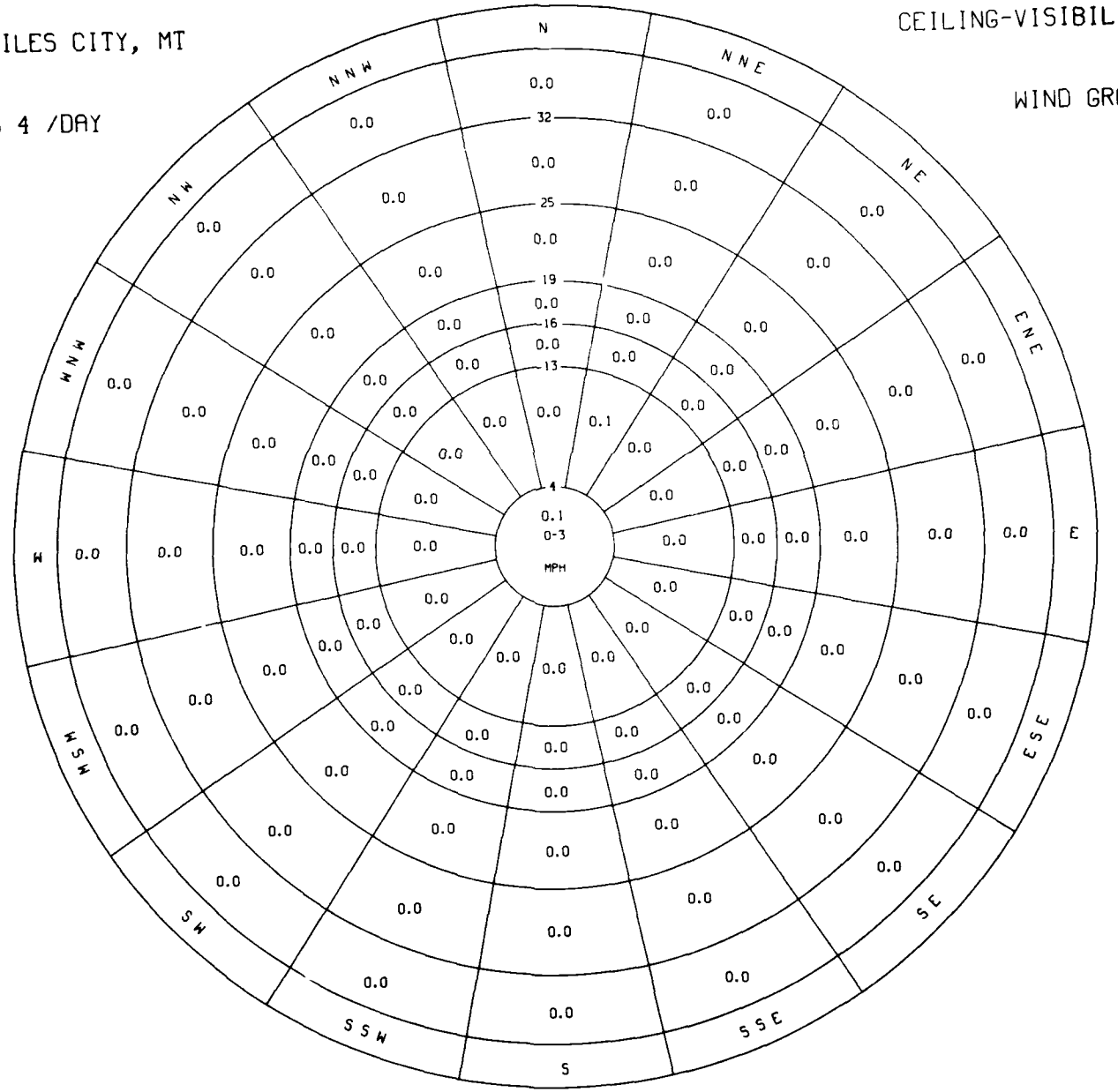
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.4	6.2	.1	1.9	.1	1.6	.0	.6	.0	.2	.0	.0	.6	10.8	11.9
NNE	.0	.5	.4	7.6	.1	1.8	.1	1.5	.0	.6	.0	.0	.0	.0	.7	12.0	11.1
NE	.0	.4	.4	7.0	.1	2.4	.1	1.6	.1	.9	.0	.1	.0	.0	.7	12.4	12.0
ENE	.0	.1	.2	3.7	.0	.8	.0	.8	.0	.6	.0	.1	.0	.0	.4	6.0	12.0
E	.0	.2	.1	1.9	.0	.5	.0	.1	.0	.2	.0	.0	.0	.0	.2	2.9	10.4
ESE	.0	.2	.1	1.6	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.1	2.3	10.1
SE	.0	.3	.1	2.5	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.2	3.5	9.3
SSE	.0	.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	7.6
S	.0	.1	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	6.6
SSW	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	6.6
SW	.0	.2	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	9.2
WSW	.0	.1	.0	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.2	10.2
W	.0	.2	.1	1.9	.0	.5	.0	.3	.0	.3	.0	.1	.0	.0	.2	3.4	11.4
WNW	.0	.3	.2	2.8	.1	1.1	.1	1.2	.1	1.1	.0	.5	.0	.3	.4	7.3	15.0
NW	.0	.3	.3	5.6	.1	2.2	.2	3.3	.1	2.1	.1	1.1	.0	.4	.9	15.0	15.2
NNW	.0	.2	.3	5.8	.1	2.5	.1	2.2	.2	3.0	.0	.8	.0	.2	.9	14.8	14.9
CALM	.3	4.7													.3	4.7	
TOTAL	.5	8.2	2.9	50.4	.9	14.8	.8	12.9	.6	9.7	.2	3.0	.1	1.0	5.8	100	12.0

MLS MILES CITY, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24037

NO. OBS.: 398

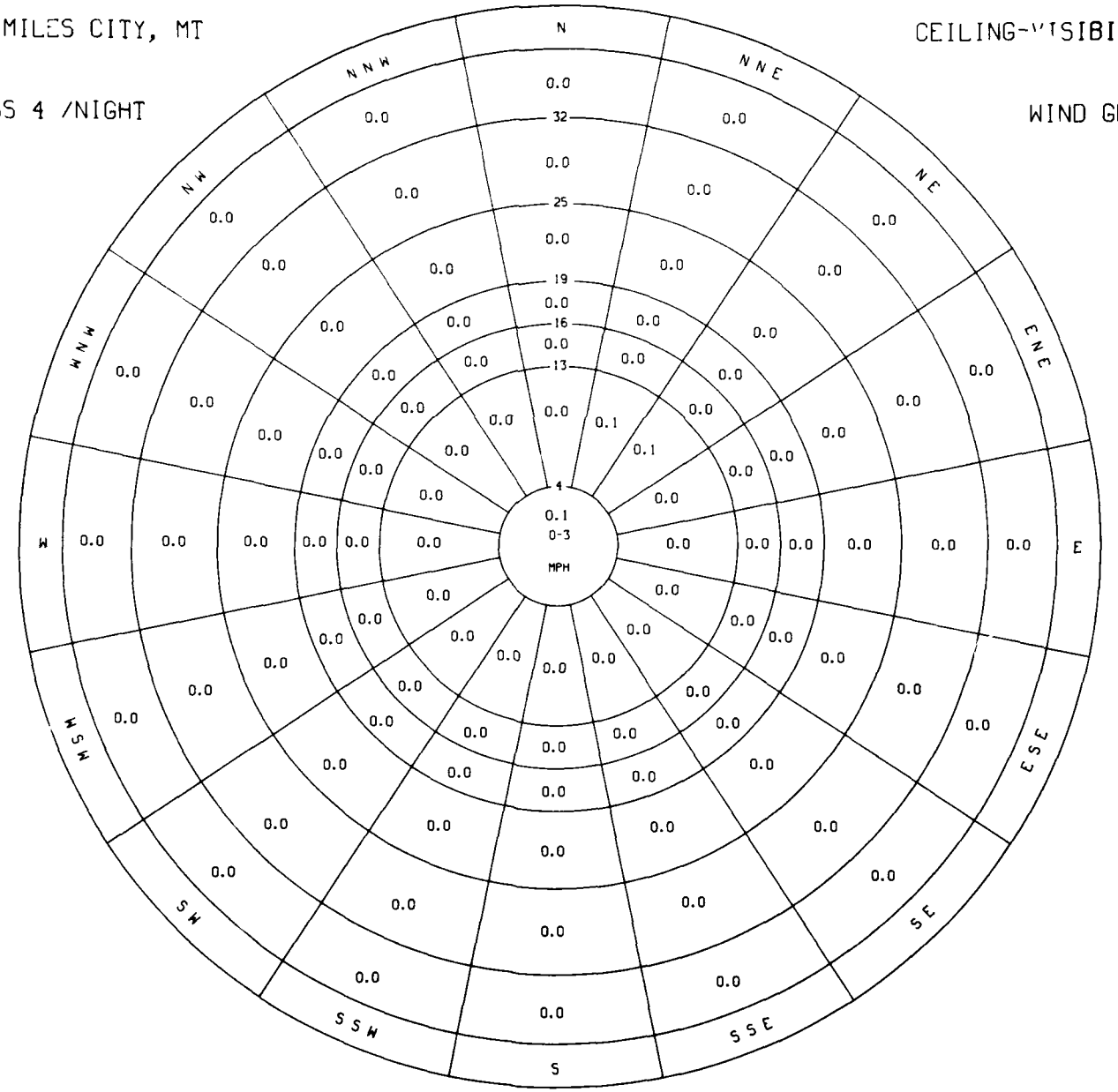
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	3.8	.0	1.8	.0	3.8	.0	1.0	.0	.8	.0	.0	.1	11.1	15.3
NNE	.0	.5	.1	9.0	.0	1.0	.0	1.3	.0	.8	.0	.3	.0	.0	.1	12.8	11.6
NE	.0	.3	.0	5.3	.0	3.0	.0	3.8	.0	2.8	.0	.0	.0	.0	.1	15.1	14.2
ENE	.0	.5	.0	4.5	.0	1.5	.0	.5	.0	1.3	.0	.3	.0	.0	.1	8.5	12.1
E	.0	.0	.0	1.0	.0	.3	.0	.3	.0	.8	.0	.0	.0	.0	.0	2.3	13.8
ESE	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
SE	.0	.8	.0	1.8	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.3	9.1
SSE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.3	9.0
S	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.0
SSW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0
SW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.3	.0	.3	.0	.3	.0	1.8	14.9
WSW	.0	.0	.0	.8	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.3	10.6
W	.0	.8	.0	.5	.0	1.0	.0	.5	.0	.8	.0	.0	.0	.0	.0	3.5	12.8
WNW	.0	.0	.0	1.3	.0	1.0	.0	.3	.0	1.3	.0	.0	.0	.3	.0	4.0	16.6
NW	.0	.5	.0	2.5	.0	2.5	.0	1.5	.0	4.8	.0	2.5	.0	1.0	.1	15.3	19.3
NNW	.0	.0	.0	1.5	.0	1.5	.0	4.5	.0	3.3	.0	1.3	.0	.3	.1	12.3	18.7
CALM	.0	3.5													.0	3.5	
TOTAL	.1	7.8	.3	36.9	.1	14.1	.1	17.1	.1	17.1	.0	5.3	.0	1.8	.8	100	14.1

MLS MILES CITY, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 24037

NO. OBS.: 363

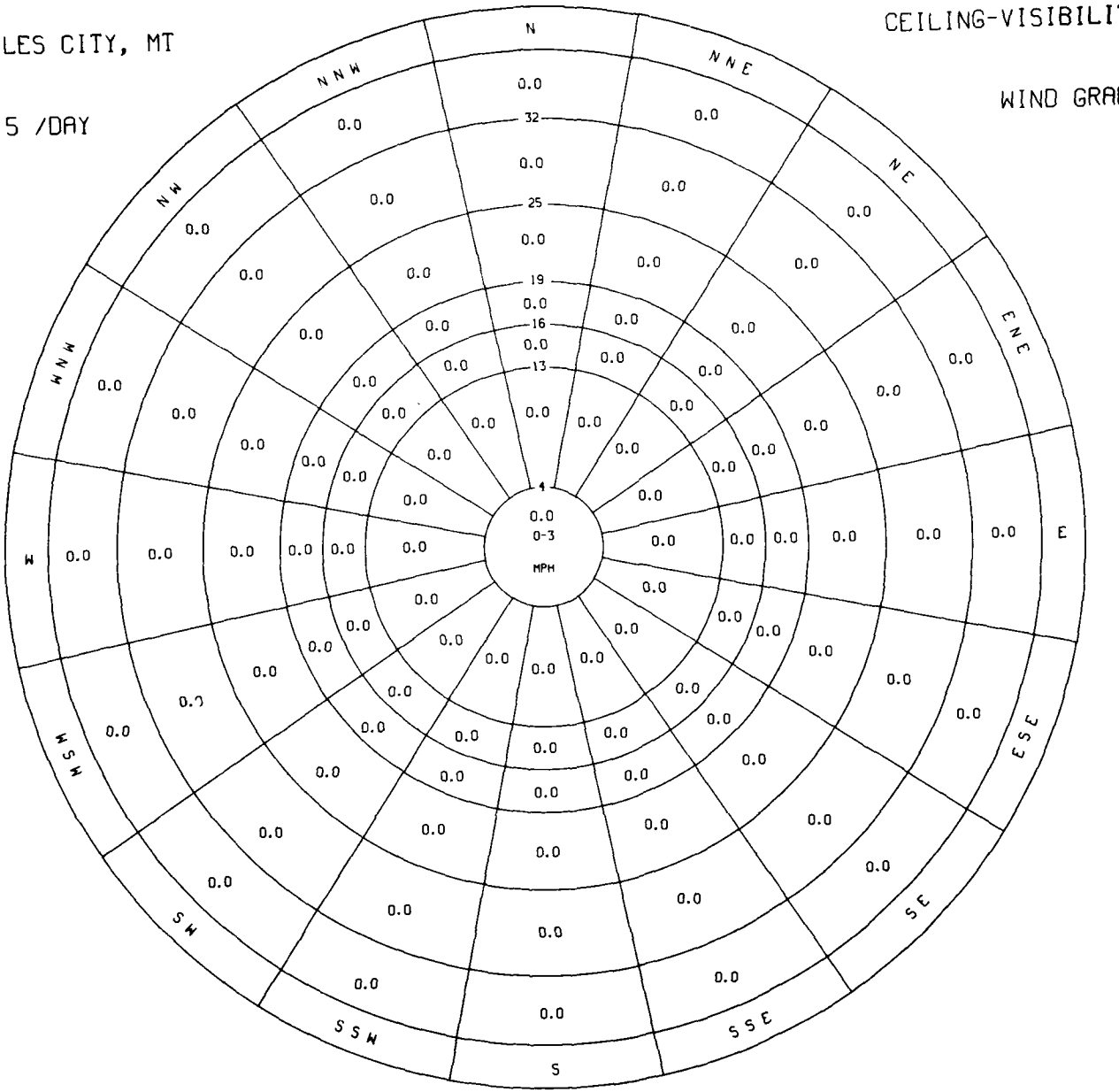
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	5.2	.0	1.1	.0	2.5	.0	3.0	.0	.3	.0	.0	.1	12.1	14.8
NNE	.0	1.7	.1	9.1	.0	2.2	.0	1.7	.0	.8	.0	.3	.0	.0	.1	15.7	10.5
NE	.0	.6	.1	8.3	.0	3.9	.0	2.2	.0	1.7	.0	.6	.0	.0	.2	17.1	12.8
ENE	.0	.0	.0	4.7	.0	2.5	.0	2.2	.0	1.1	.0	.0	.0	.0	.1	10.5	13.7
E	.0	.0	.0	.8	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.1	10.0
ESE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	12.0
SE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	9.0
SSE	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.6
S	.0	.0	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	9.0
SSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.3
SW	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	8.0
WSW	.0	.0	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	9.4
W	.0	.8	.0	1.4	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.5	6.9
WNW	.0	.6	.0	1.1	.0	.6	.0	.8	.0	.6	.0	.8	.0	.0	.0	4.4	15.0
NW	.0	.0	.0	2.8	.0	.0	.0	2.2	.0	3.0	.0	.6	.0	1.7	.1	10.2	19.9
NNW	.0	.3	.0	2.5	.0	1.4	.0	.8	.0	5.0	.0	.8	.0	.8	.1	11.6	18.6
CALM	.1	5.8													.1	5.8	
TOTAL	.1	10.2	.4	43.5	.1	12.4	.1	12.7	.1	15.4	.0	3.3	.0	2.5	.9	100	13.0

MLS MILES CITY, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 24037

NO. OBS.: 121

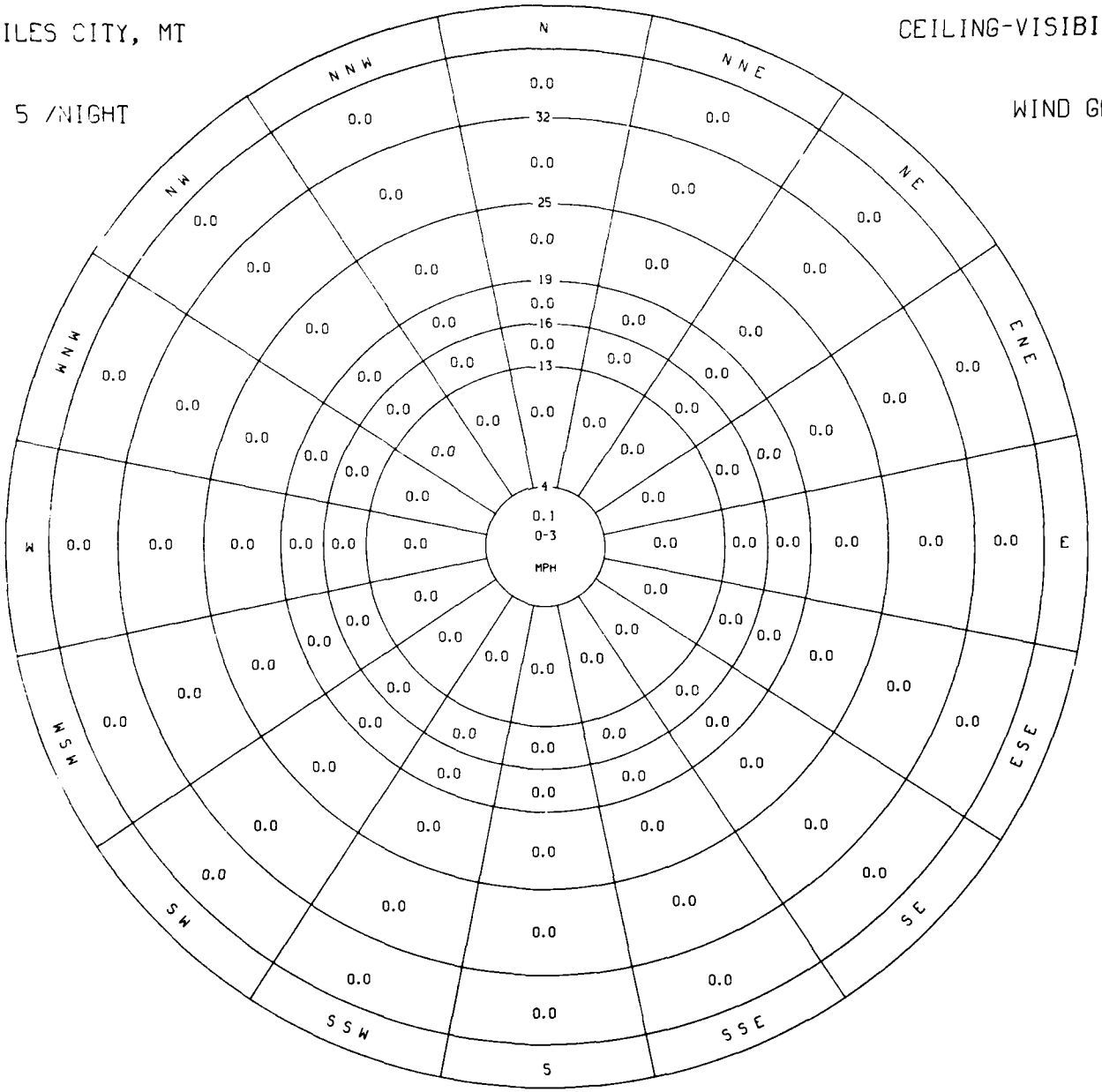
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.0	1.7	.0	1.7	.0	.8	.0	3.3	.0	.8	.0	.8	.0	9.9	17.3
NNE	.0	.8	.0	4.1	.0	3.3	.0	.0	.0	1.7	.0	.0	.0	.0	.0	9.9	12.1
NE	.0	.0	.0	3.3	.0	3.3	.0	.8	.0	2.5	.0	.0	.0	.0	.0	9.9	14.3
ENE	.0	.8	.0	1.7	.0	1.7	.0	2.5	.0	1.7	.0	.0	.0	.0	.0	8.3	14.2
E	.0	.0	.0	.8	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	3.3	15.5
ESE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0
SE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	9.0
SSE	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.7
S	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.5
SSW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
W	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	2.5	21.3
WNW	.0	.8	.0	2.5	.0	.8	.0	.0	.0	.8	.0	1.7	.0	.0	.0	6.6	14.8
NW	.0	.0	.0	.8	.0	.8	.0	2.5	.0	4.1	.0	4.1	.0	.8	.0	13.2	22.5
NNW	.0	.8	.0	3.3	.0	.8	.0	3.3	.0	7.4	.0	2.5	.0	1.7	.0	19.8	19.4
CALM	.0	6.6													.0	6.6	
TOTAL	.0	12.4	.1	28.1	.0	12.4	.0	12.4	.1	21.5	.0	9.1	.0	4.1	.2	100	14.9

MLS MILES CITY, MT

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24037

NO. OBS.: 100

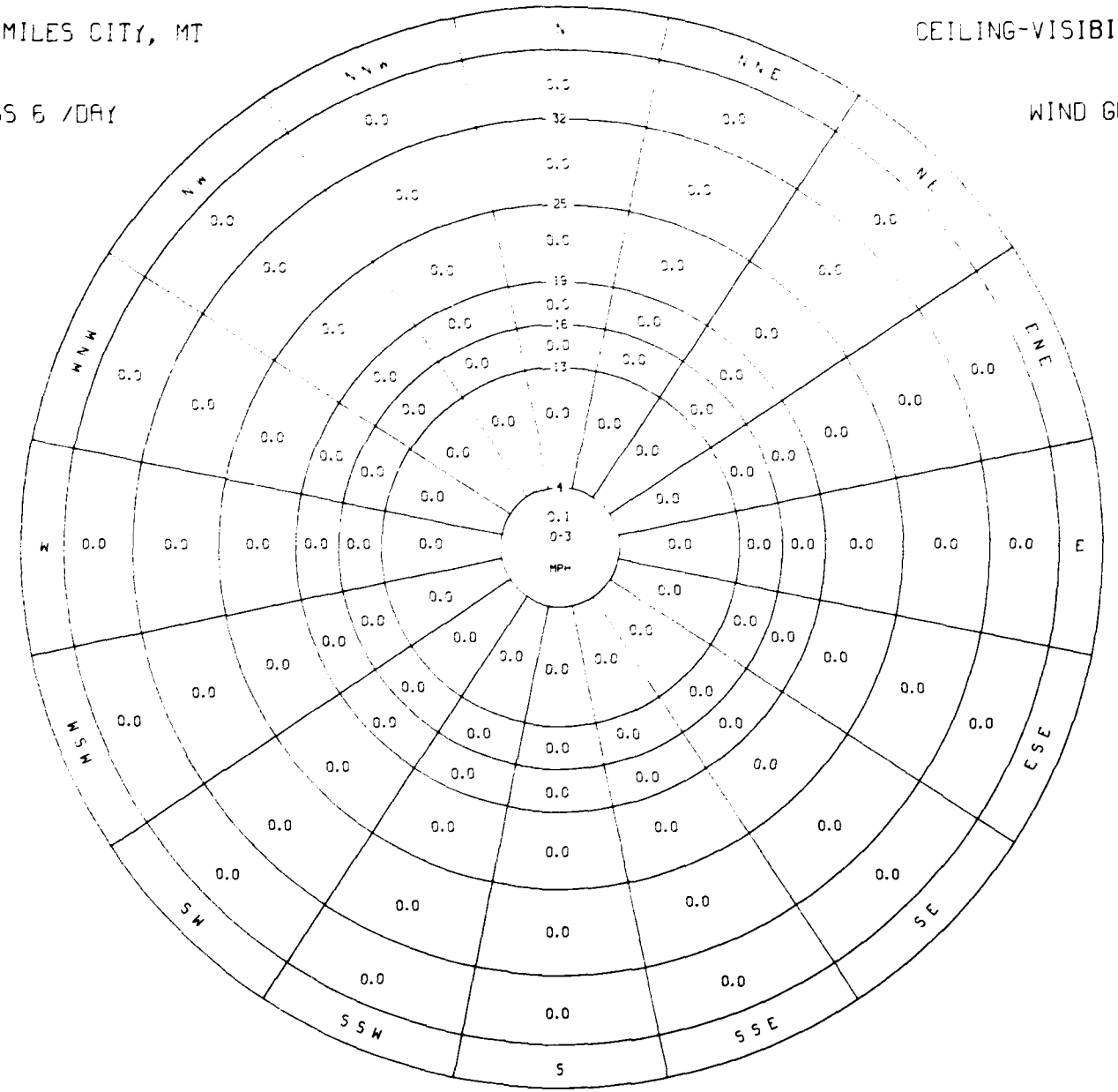
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	3.0	.0	.0	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	7.0	14.9
NNE	.0	.0	.0	9.0	.0	2.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	13.0	11.6
NE	.0	.0	.0	6.0	.0	3.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	10.0	11.7
ENE	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	7.2
E	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	9.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.7
SSE	.0	.0	.0	3.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	9.0
S	.0	1.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.5
SSW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.5
SW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	12.0
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.0
W	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.5
WNW	.0	1.0	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	9.6
NW	.0	.0	.0	5.0	.0	1.0	.0	1.0	.0	2.0	.0	1.0	.0	1.0	.0	11.0	16.7
NNW	.0	.0	.0	1.0	.0	1.0	.0	1.0	.0	2.0	.0	2.0	.0	1.0	.0	8.0	21.8
CALM	.1	23.0													.1	23.0	
TOTAL	.1	25.0	.1	46.0	.0	11.0	.0	6.0	.0	7.0	.0	3.0	.0	2.0	.3	100	9.5

MLS MILES CITY, MT

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 24037

NO. OBS.: 116

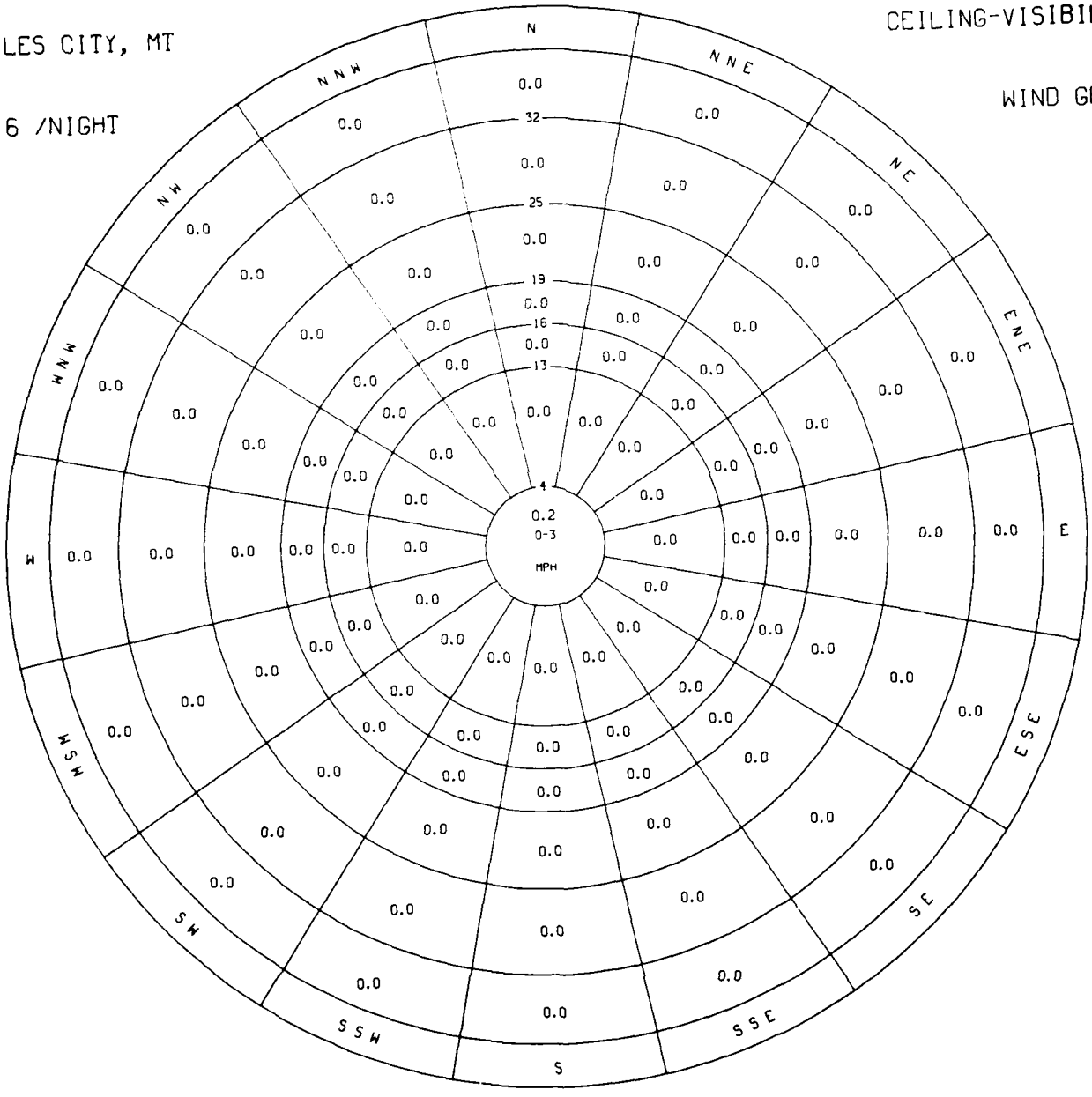
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	3.4	.0	.0	.0	.0	.0	1.7	.0	1.7	.0	.0	.0	7.8	14.1
NNE	.0	.0	.0	3.4	.0	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	5.2	12.5
NE	.0	1.7	.0	6.9	.0	1.7	.0	1.7	.0	.9	.0	.0	.0	.0	.0	12.9	10.1
ENE	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.0
E	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.0
ESE	.0	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.0
SE	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	7.0
SSE	.0	1.7	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	5.6
S	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.0
SSW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0
SW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	2.6	21.0
WSW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.0
W	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.9	.0	3.4	29.0
WNW	.0	.9	.0	.0	.0	.0	.0	.0	.0	.9	.0	1.7	.0	.0	.0	3.4	19.7
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.9	.0	3.4	.0	7.8	24.1
NNW	.0	.0	.0	.9	.0	.9	.0	.9	.0	.9	.0	1.7	.0	.9	.0	6.0	20.3
CALM	.1	26.7													.1	26.7	
TOTAL	.1	39.7	.1	32.8	.0	3.4	.0	2.6	.0	6.0	.0	10.3	.0	5.2	.2	100	9.6

MLS MILES CITY, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MLS MILES CITY, MT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24037

NO. OBS.: 166

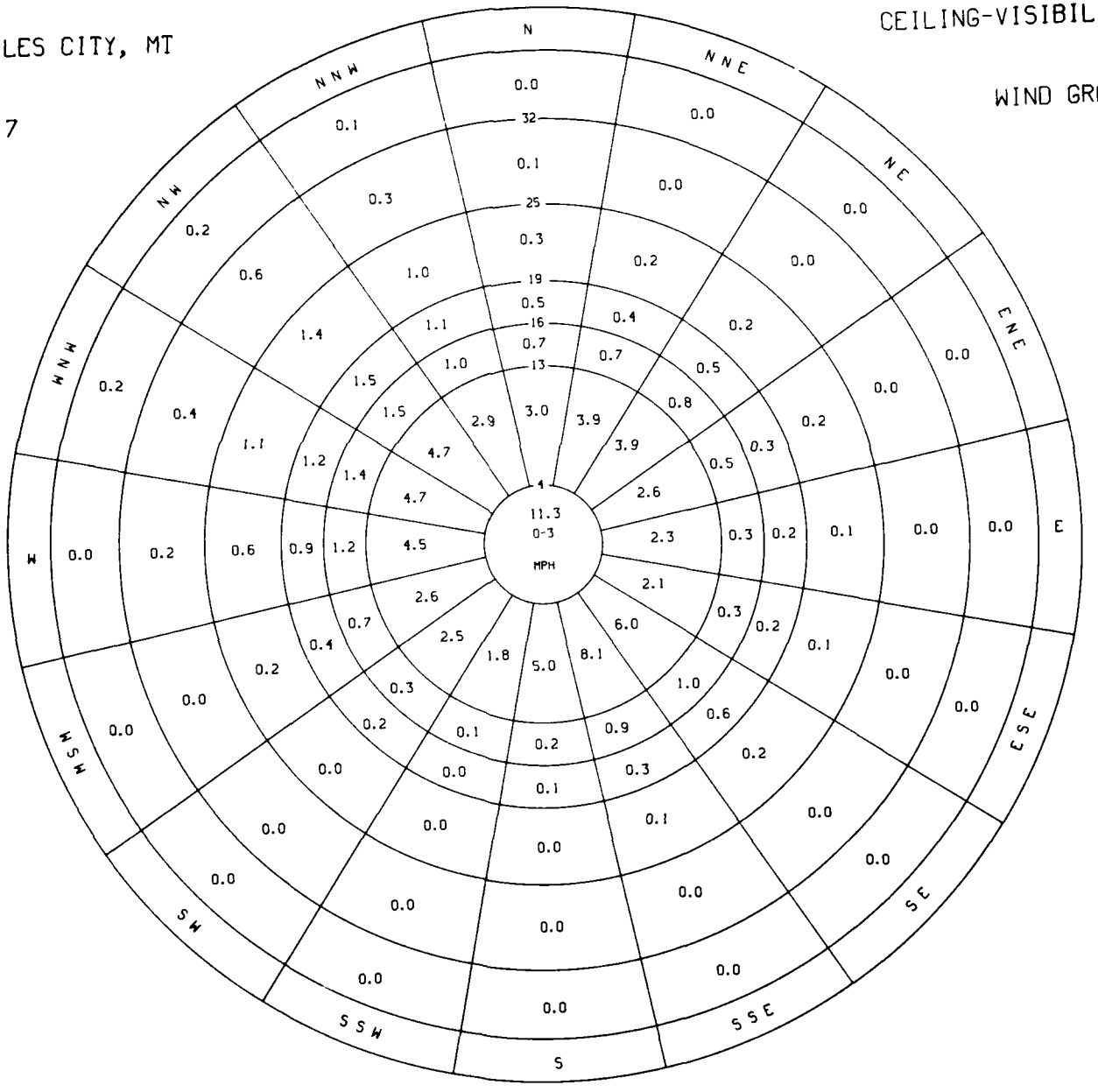
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.4	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	3.6	10.5
NNE	.0	3.6	.0	8.4	.0	.6	.0	.6	.0	.0	.0	.6	.0	.0	.1	13.9	8.1
NE	.0	1.8	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	7.2
ENE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.5
E	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.7
ESE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.5
SE	.0	1.8	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	5.4
SSE	.0	1.2	.0	8.4	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	11.4	8.3
S	.0	1.2	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	5.7
SSW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.5
SW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.0
WSW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.7
W	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	3.6	8.5
WNW	.0	2.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	6.0	7.7
NW	.0	.6	.0	2.4	.0	.0	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	5.4	14.6
NNW	.0	.6	.0	2.4	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	4.2	9.4
CALM	.1	21.7													.1	21.7	
TOTAL	.2	39.2	.2	51.2	.0	2.4	.0	1.2	.0	3.6	.0	2.4	.0	.0	.4	100	6.2

MLS MILES CITY, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

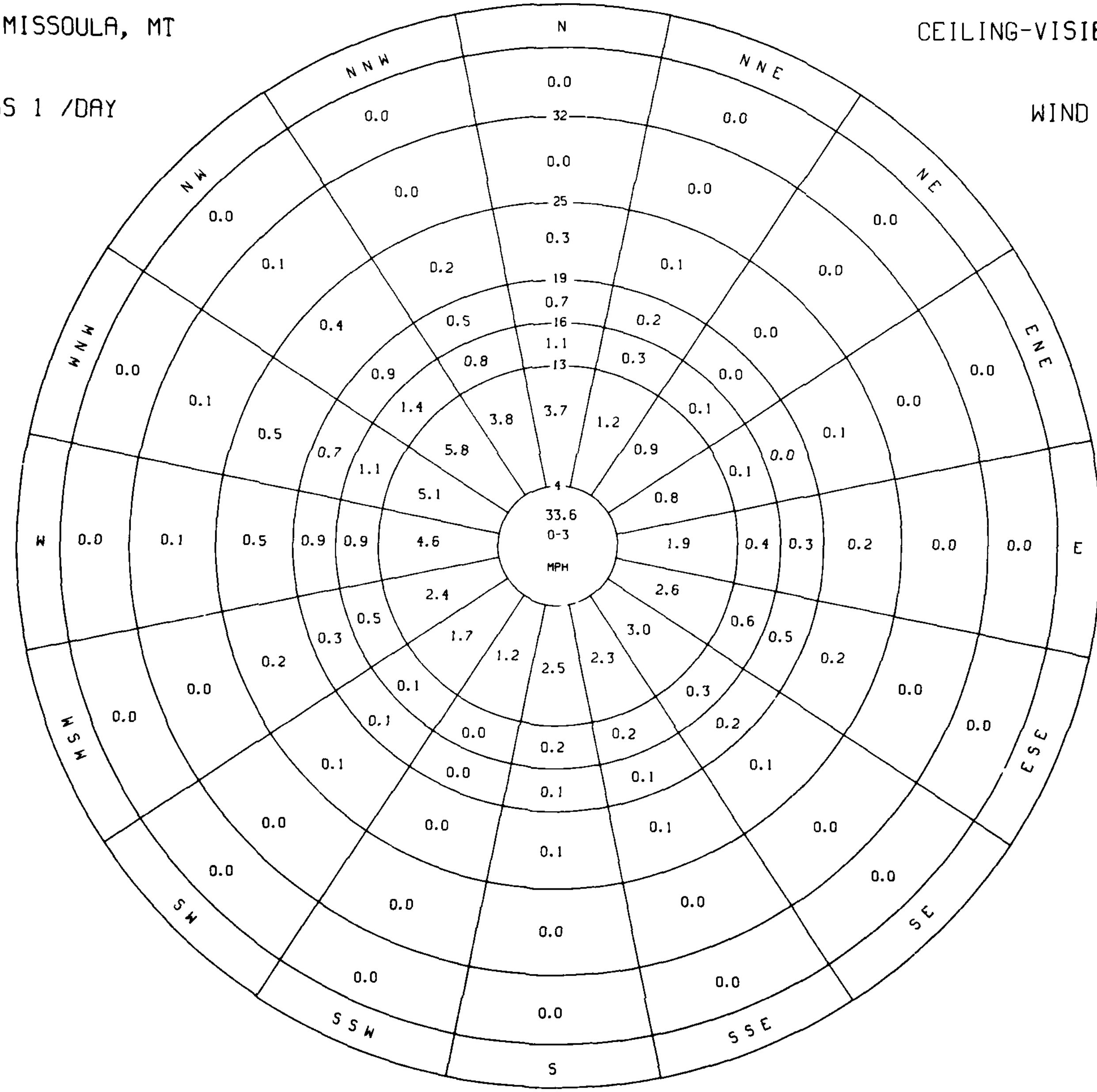


MSO MISSOULA, MT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 24153

NO. OBS.: 48892

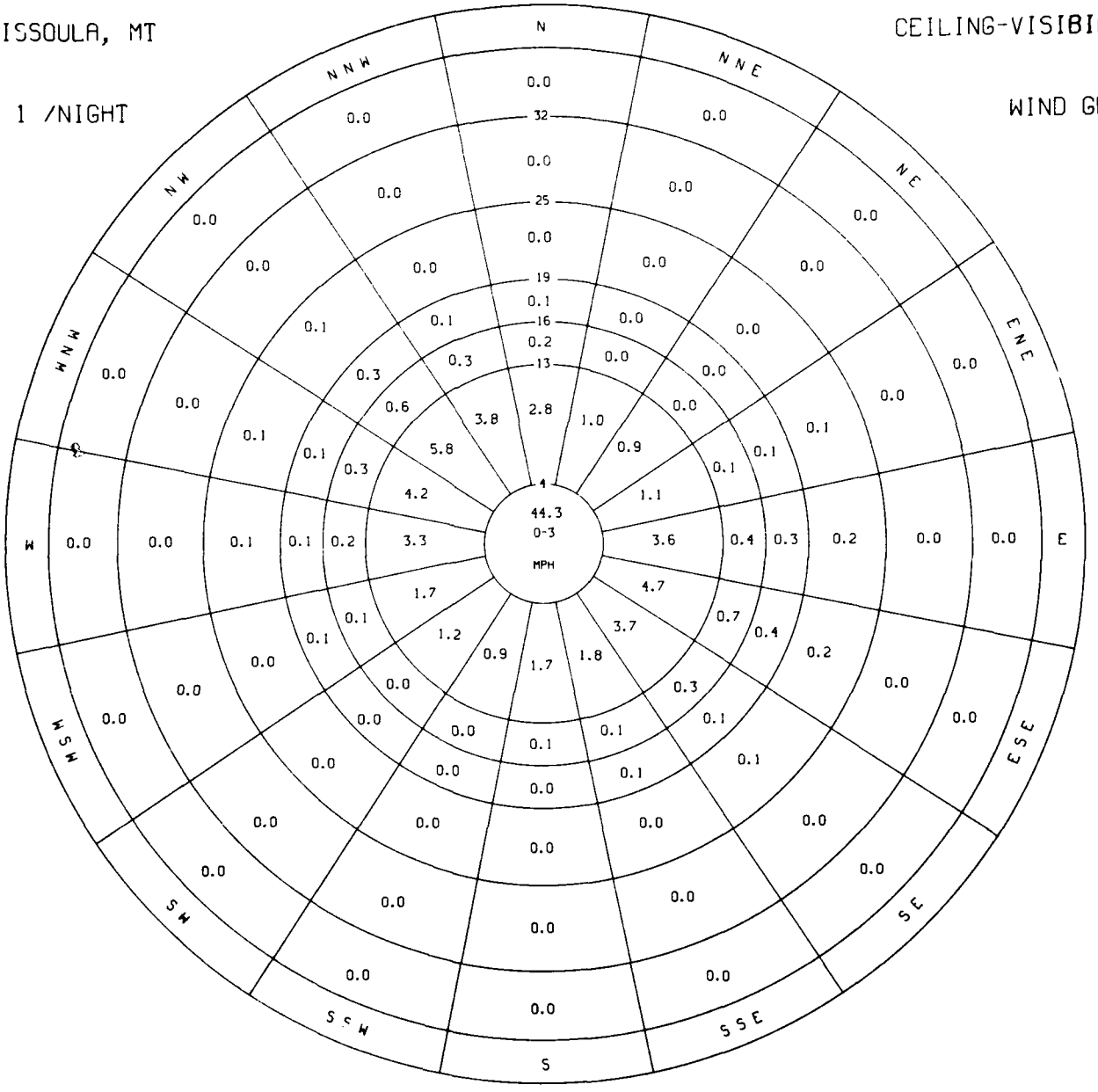
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.3	1.4	3.7	3.9	1.1	1.2	.7	.7	.3	.3	.0	.0	.0	.0	7.0	7.5	9.5
NNE	.6	.6	1.2	1.3	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.6	8.9
NE	1.1	1.2	.9	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.3	5.1
ENE	.7	.8	.8	.9	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0	1.7	1.9	6.3
E	1.3	1.4	1.9	2.1	.4	.4	.3	.3	.2	.2	.0	.0	.0	.0	4.1	4.4	7.8
ESE	1.1	1.2	2.6	2.8	.6	.6	.5	.5	.2	.2	.0	.0	.0	.0	5.1	5.4	8.7
SE	2.1	2.2	3.0	3.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	5.7	6.0	6.3
SSE	1.3	1.4	2.3	2.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.9	4.2	6.1
S	2.3	2.4	2.5	2.7	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	5.1	5.5	5.4
SSW	1.2	1.2	1.2	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.6	5.1
SW	1.9	2.0	1.7	1.8	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.9	4.2	5.6
WSW	1.7	1.8	2.4	2.6	.5	.5	.3	.3	.2	.2	.0	.0	.0	.0	5.1	5.4	7.6
W	2.5	2.7	4.6	4.9	.9	1.0	.9	.9	.5	.5	.1	.1	.0	.0	9.5	10.1	8.5
WNW	2.0	2.1	5.1	5.4	1.1	1.1	.7	.8	.5	.5	.1	.1	.0	.0	9.4	10.0	8.9
NW	1.9	2.0	5.8	6.1	1.4	1.5	.9	.9	.4	.4	.1	.1	.0	.0	10.4	11.1	9.1
NNW	.9	1.0	3.8	4.0	.8	.9	.5	.5	.2	.2	.0	.0	.0	.0	6.2	6.6	9.2
CALM	9.8	10.4													9.8	10.4	
TOTAL	33.6	35.7	43.7	46.4	8.1	8.6	5.4	5.8	2.9	3.1	.4	.5	.1	.1	94.1	100	7.0

MSO MISSOULA, MT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 24153

NO. OBS.: 36018

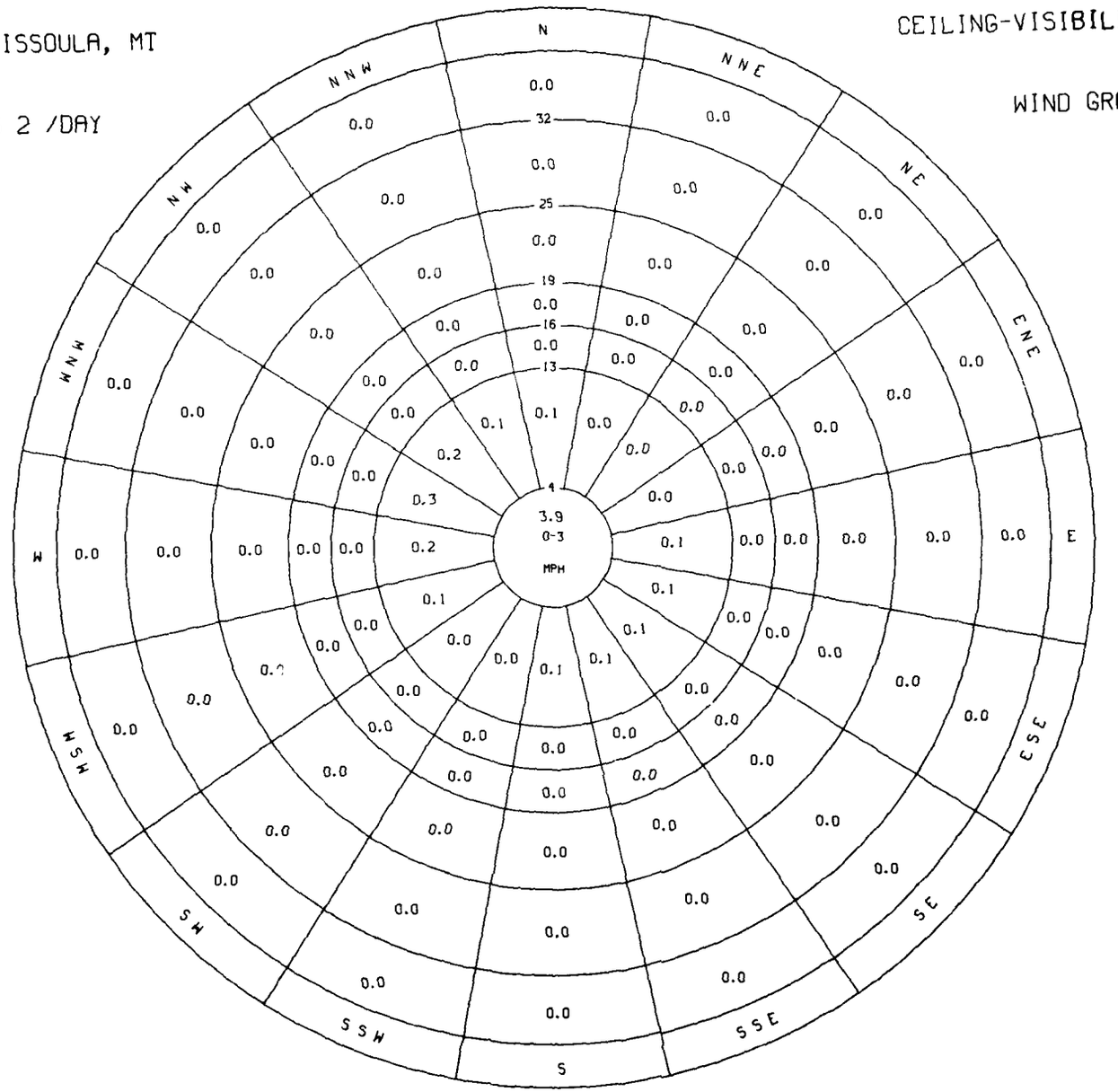
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	2.2	2.3	2.8	3.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.2	5.6	5.5
NNE	1.2	1.2	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.5	5.0
NE	1.9	2.0	.9	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.1	3.9
ENE	1.3	1.4	1.1	1.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	2.7	2.8	5.4
E	2.6	2.7	3.6	3.9	.4	.5	.3	.4	.2	.2	.0	.0	.0	.0	7.1	7.6	6.7
ESE	1.9	2.1	4.7	5.1	.7	.7	.4	.4	.2	.2	.0	.0	.0	.0	7.9	8.5	7.5
SE	2.8	3.0	3.7	4.0	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	6.9	7.4	5.8
SSE	1.3	1.3	1.8	1.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.3	3.5	5.8
S	1.6	1.7	1.7	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.8	5.1
SSW	.9	1.0	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.0	4.8
SW	1.3	1.3	1.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.7	4.8
WSW	1.2	1.3	1.7	1.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.3	5.8
W	2.1	2.3	3.3	3.6	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	5.9	6.4	6.1
WNW	2.1	2.2	4.2	4.5	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	6.8	7.3	6.5
NW	2.5	2.7	5.8	6.2	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	9.3	10.0	7.0
NNW	1.4	1.5	3.8	4.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	5.7	6.1	6.9
CALM	16.2	17.4													16.2	17.4	
TOTAL	44.3	47.5	42.4	45.5	3.6	3.8	1.9	2.0	.9	.9	.2	.2	.0	.0	93.3	100	5.1

MSO MISSOULA, MT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 24153

NO. OBS.: 3051

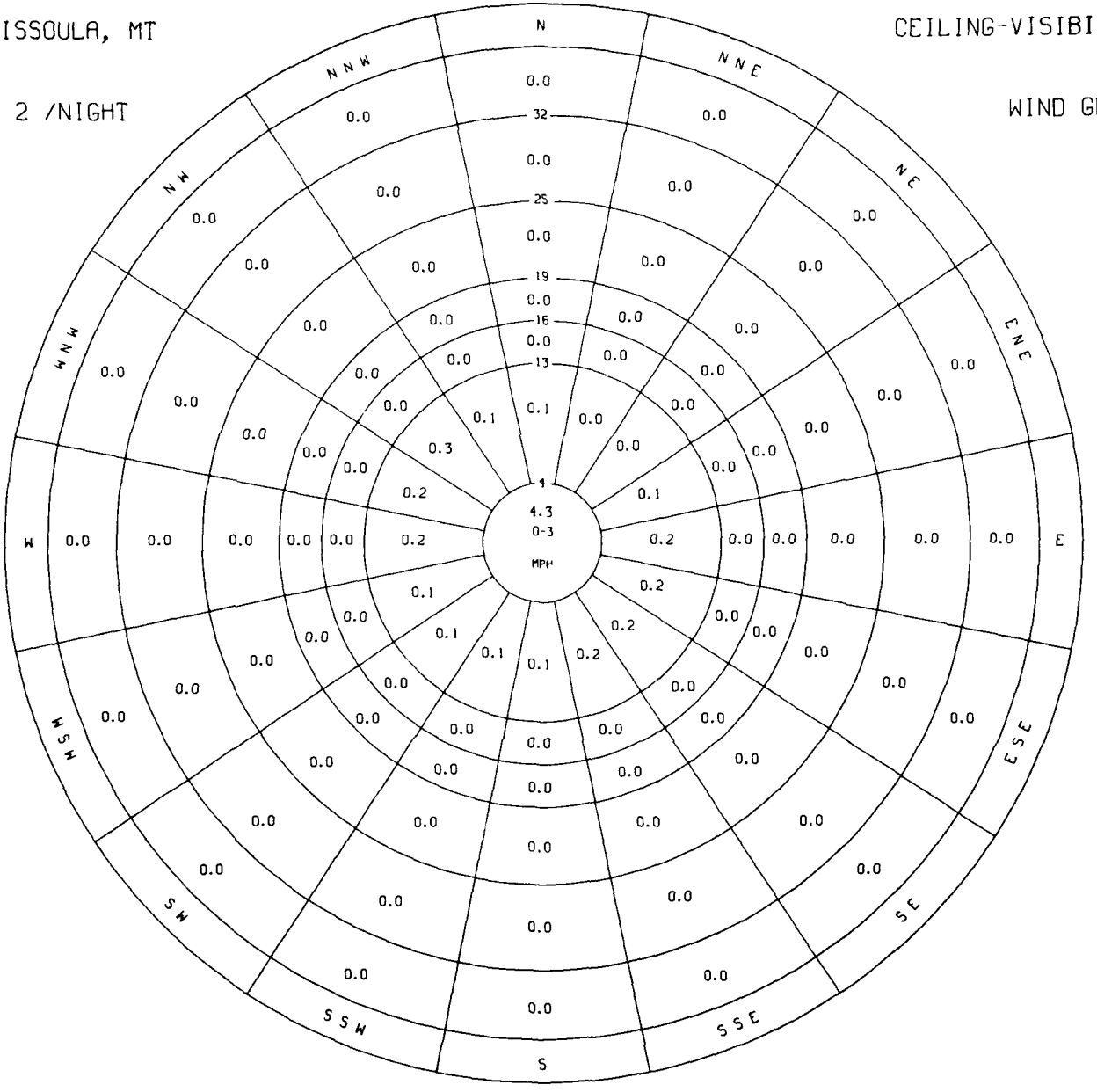
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.6	1	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.5	6.1
NNE	.0	.6	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	6.3
NE	.1	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	3.7
ENE	.1	1.2	.0	.5	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.9	4.6
E	.1	2.4	.1	1.9	.0	.2	.0	.2	.0	.3	.0	.1	.0	.0	.3	5.0	6.4
ESE	.1	2.3	.1	2.1	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.3	5.2	6.6
SE	.2	2.8	.1	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.1	4.4
SSE	.1	1.7	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.6	4.8
S	.2	3.5	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.1	3.5
SSW	.1	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	3.7
SW	.1	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.7	3.2
WSW	.2	2.6	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.2	3.9
W	.3	5.2	.2	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	8.7	3.9
WNW	.2	4.0	.3	4.7	.0	.0	.0	.1	.0	.2	.0	.1	.0	.0	.5	9.0	5.2
NW	.2	3.2	.2	3.9	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.4	7.6	5.9
NNW	.1	2.0	.1	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.8	5.5
CALM	1.7	29.3													1.7	29.3	
TOTAL	3.9	67.1	1.7	28.8	.1	1.8	.1	1.0	.1	1.0	.0	.3	.0	.0	5.9	100	3.5

MSO MISSOULA, MT

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 24153

NO. OBS.: 2601

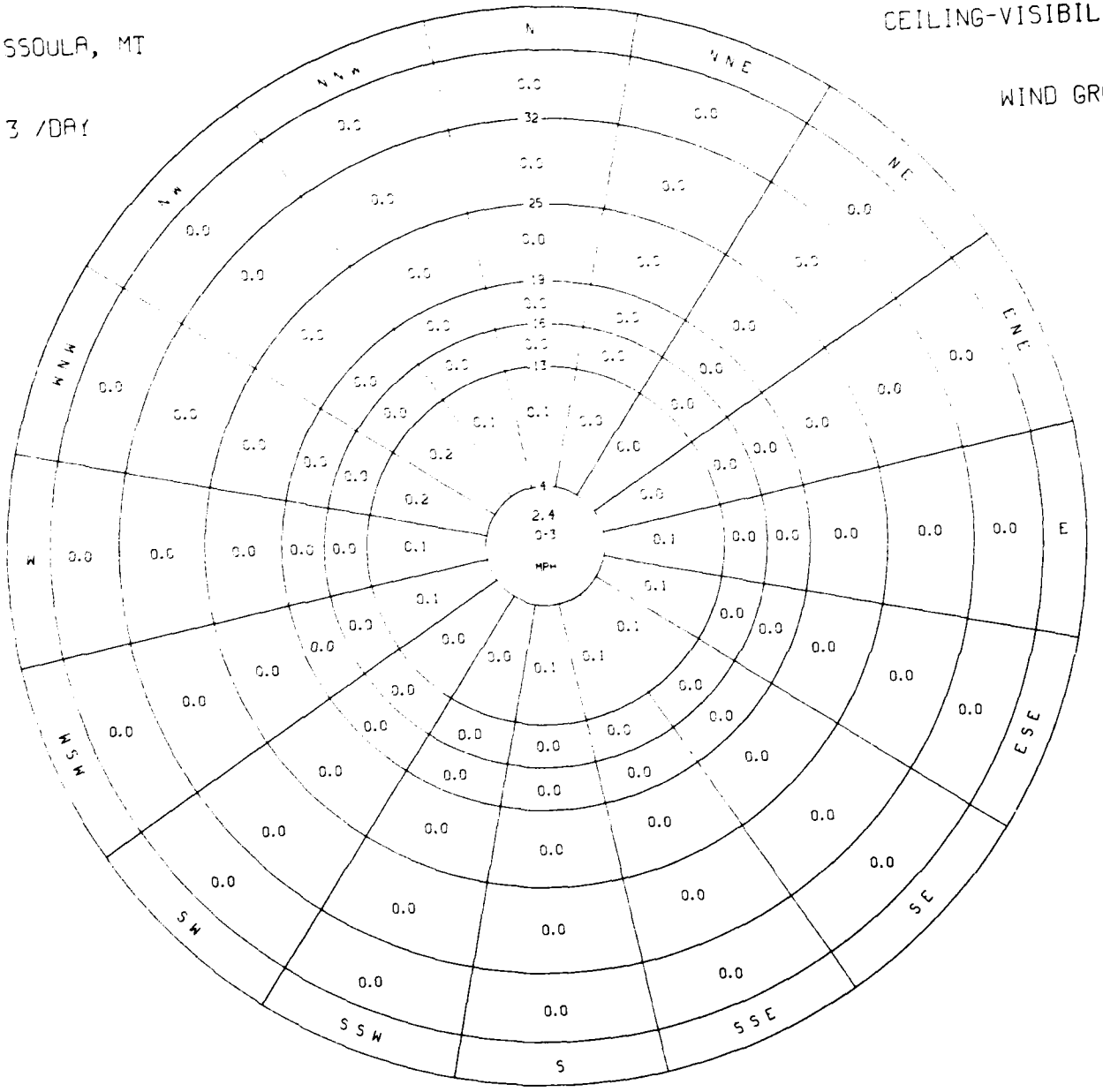
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	2.1	.1	1.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.3	3.8	5.6
NNE	.0	.7	.0	.5	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	1.5	6.5
NE	.2	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.5	2.8
ENE	.1	1.4	.1	1.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	2.5	4.6
E	.2	3.0	.2	2.6	.0	.3	.0	.3	.0	.3	.0	.1	.0	.0	.4	6.6	6.5
ESE	.2	2.7	.2	3.3	.0	.2	.0	.2	.0	.2	.0	.2	.0	.0	.5	6.7	6.4
SE	.2	3.2	.2	2.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.4	6.2	5.0
SSE	.1	2.0	.2	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.4	4.7
S	.1	2.0	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	4.0	4.4
SSW	.1	1.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.0	3.9
SW	.1	1.8	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.9	3.8
WSW	.1	1.8	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	4.1
W	.2	3.0	.2	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.8	4.4
WNW	.2	3.2	.2	3.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5	7.2	5.1
NW	.2	3.1	.3	4.1	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.5	8.0	6.3
NNW	.1	1.6	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.6	5.2
CALM	2.0	29.1													2.0	29.1	
TOTAL	4.3	64.2	2.	31.3	.1	1.8	.1	1.1	.1	1.1	.0	.5	.0	.0	6.7	100	3.7

MSO MISSOULA, MT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 3 / SAO

STATION NUMBER: 24153

NO. OBS.: 1990

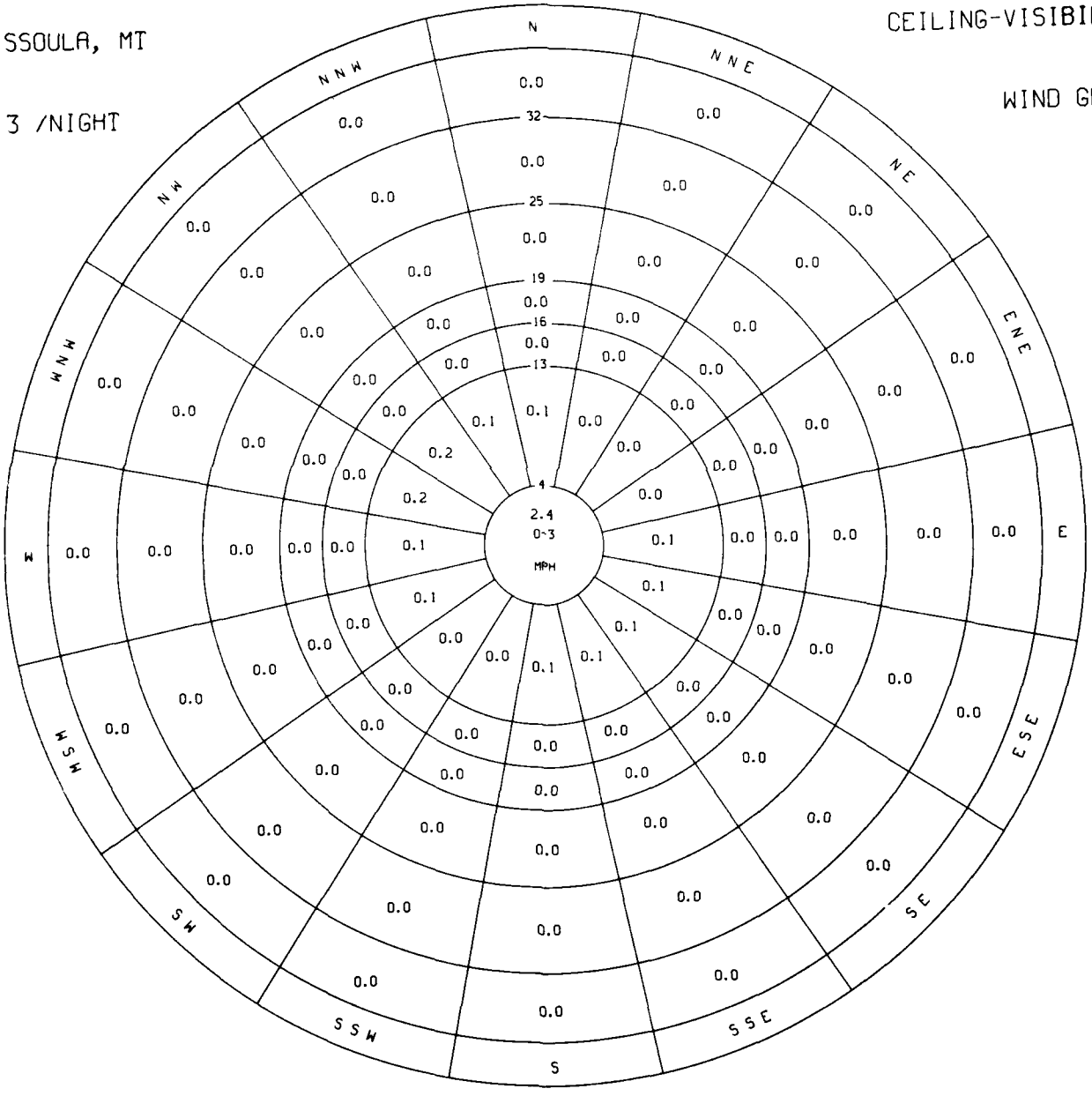
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.6	.1	1.6	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1	3.6	5.9
NNE	.0	.7	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	6.1
NE	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.6
ENE	.0	1.1	.0	.5	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.7	5.2
E	.1	2.2	.1	2.4	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.2	5.2	6.3
ESE	.1	2.2	.1	2.6	.0	.5	.0	.3	.0	.4	.0	.0	.0	.0	.2	5.9	7.1
SE	.1	2.3	.1	2.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	5.0	4.9
SSE	.1	1.8	.1	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	4.9
S	.1	3.7	.1	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.7	3.7
SSW	.1	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	3.8
SW	.1	2.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	3.4
WSW	.1	2.7	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.4	3.9
W	.2	4.9	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	8.8	4.2
WNW	.2	4.3	.2	5.2	.0	.1	.0	.2	.0	.2	.0	.0	.0	.0	.4	9.9	5.2
NW	.1	3.0	.2	4.7	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.3	8.4	6.3
NNW	.1	2.1	.1	1.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	4.1	5.4
CALM	1.0	25.1													1.0	25.1	
TOTAL	2.4	62.2	1.3	33.4	.1	2.3	.0	1.0	.0	1.0	.0	.1	.0	.1	3.8	100	3.8

MSO MISSOULA, MT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 24153

NO. OBS.: 1562

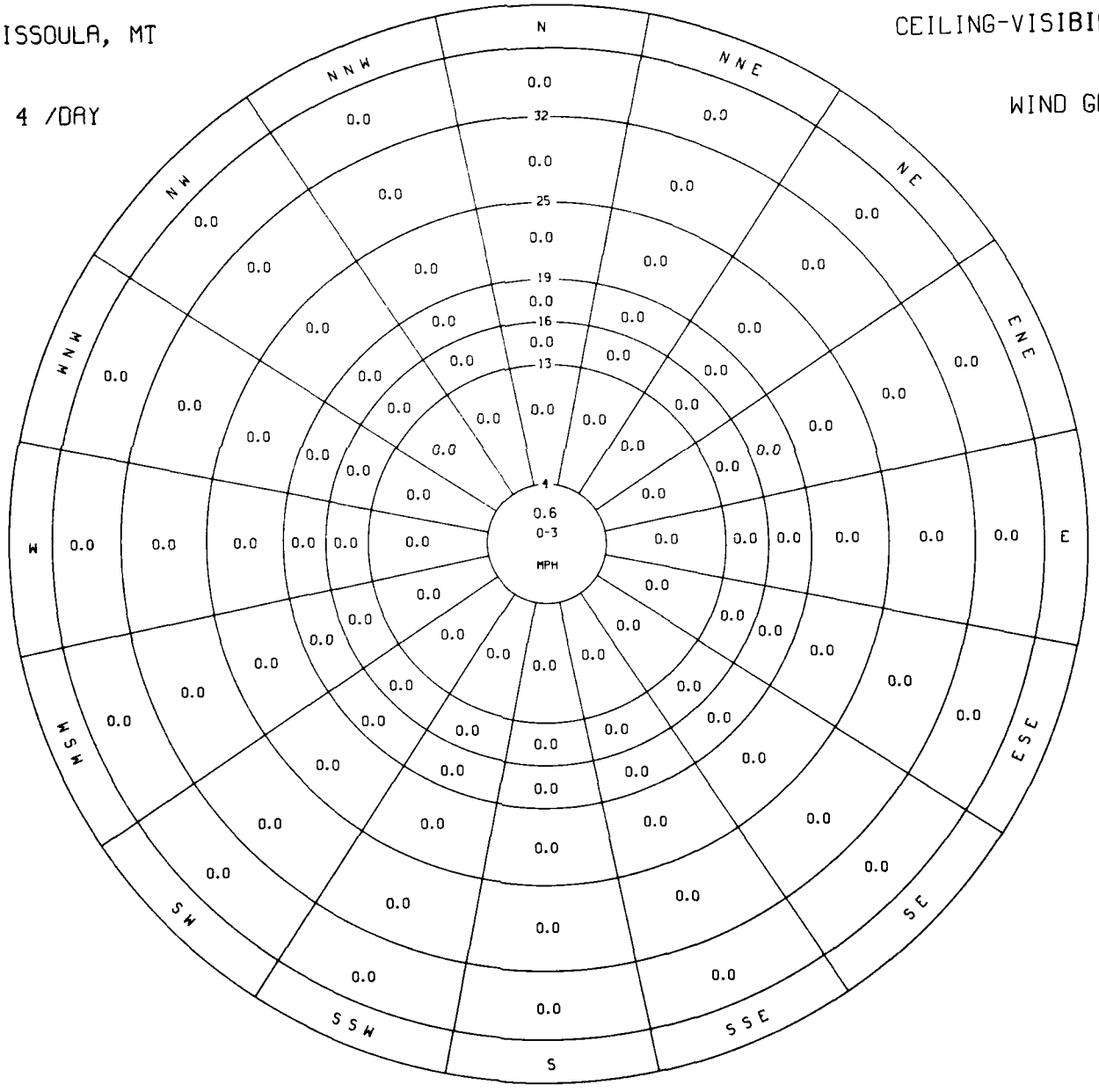
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.8	.1	1.7	.0	.2	.0	.1	.0	.2	.0	.1	.0	.0	.2	4.0	6.7
NNE	.0	.6	.0	.6	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1	1.5	7.6
NE	.1	2.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	2.8
ENE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.4	5.1
E	.1	2.2	.1	3.1	.0	.5	.0	.3	.0	.3	.0	.1	.0	.0	.3	6.4	7.3
ESE	.1	2.4	.1	3.5	.0	.2	.0	.2	.0	.2	.0	.2	.0	.0	.3	6.7	6.8
SE	.1	3.2	.1	2.8	.0	.1	.0	.2	.0	.0	.0	.1	.0	.0	.3	6.3	5.2
SSE	.1	1.8	.1	2.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.9	5.1
S	.1	2.4	.1	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.7	4.6
SSW	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	3.9
SW	.1	1.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	3.8
WSW	.1	1.8	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	4.2
W	.1	2.9	.1	2.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	5.9	4.4
WNW	.1	3.2	.2	4.2	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.3	7.9	5.5
NW	.1	3.3	.2	4.4	.0	.3	.0	.1	.0	.4	.0	.1	.0	.0	.3	8.6	6.3
NNW	.1	1.5	.1	2.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	4.4	6.0
CALM	1.1	26.2													1.1	26.2	
TOTAL	2.4	59.2	1.4	35.8	.1	1.9	.0	1.2	.1	1.4	.0	.6	.0	.0	4.0	100	4.1

MSO MISSOULA, MT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 24153

NO. OBS.: 430

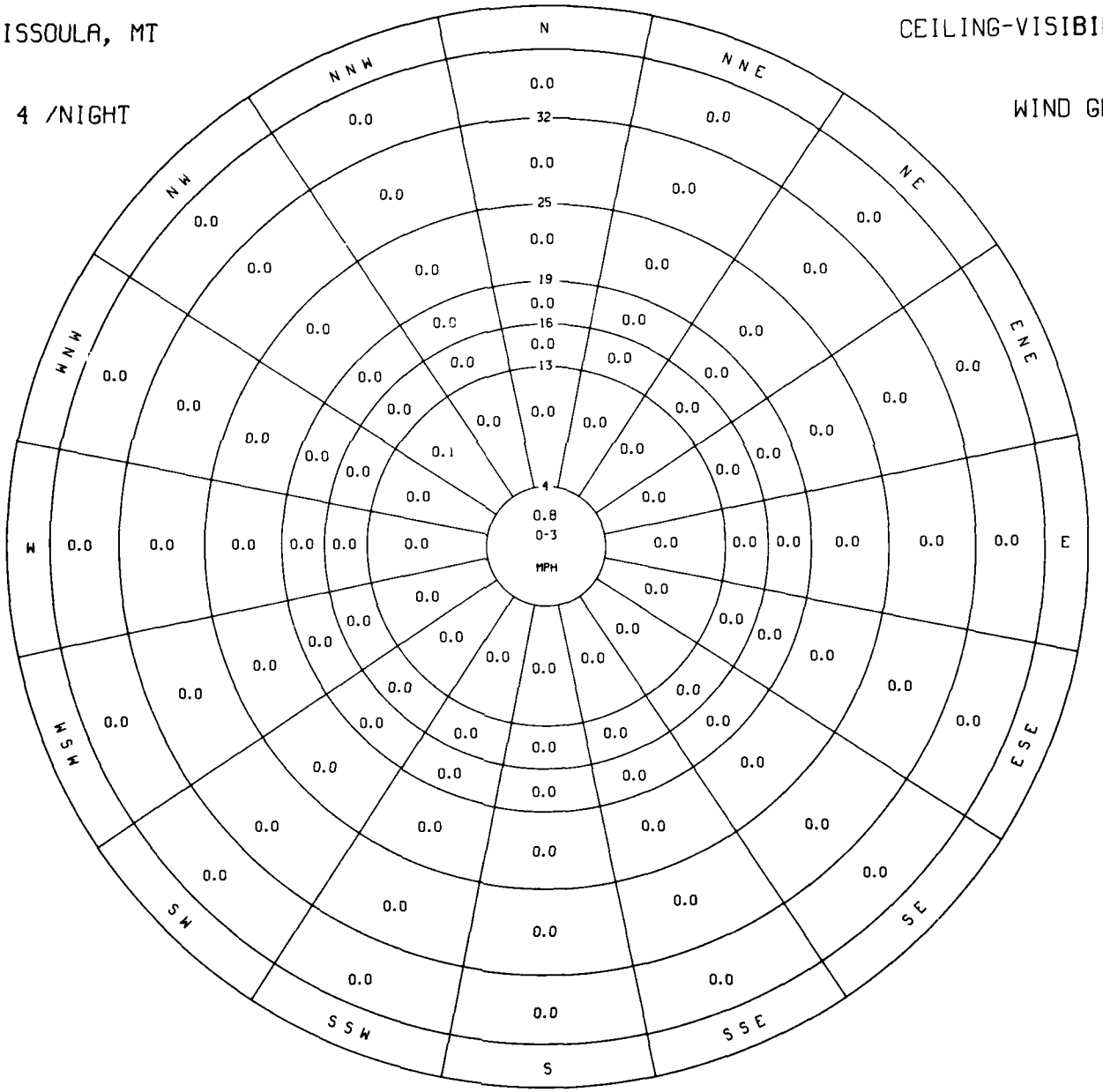
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.0	1.6	.0	.2	.0	.0	.0	.7	.0	.2	.0	.0	.0	3.3	10.9
NNE	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.8
NE	.0	1.6	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.2
ENE	.0	1.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.7
E	.0	1.9	.0	.9	.0	.0	.0	.2	.0	.9	.0	.5	.0	.0	.0	4.4	10.5
ESE	.0	1.9	.0	.5	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.5	7.2
SE	.0	3.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	3.7
SSE	.0	1.9	.0	2.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	4.9	5.8
S	.0	2.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	3.3
SSW	.0	1.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
SW	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	2.9
WSW	.0	2.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.0
W	.1	6.3	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.3	3.5
WNW	.0	2.3	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1	6.0	6.0
NW	.0	3.0	.0	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.5	5.6
NNW	.0	1.4	.0	1.9	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	4.0	7.5
CALM	.3	34.0													.3	34.0	
TOTAL	.6	68.1	.2	26.3	.0	1.4	.0	1.6	.0	1.6	.0	.9	.0	.0	.8	100	3.6

MSO MISSOULA, MT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 24153

NO. OBS.: 457

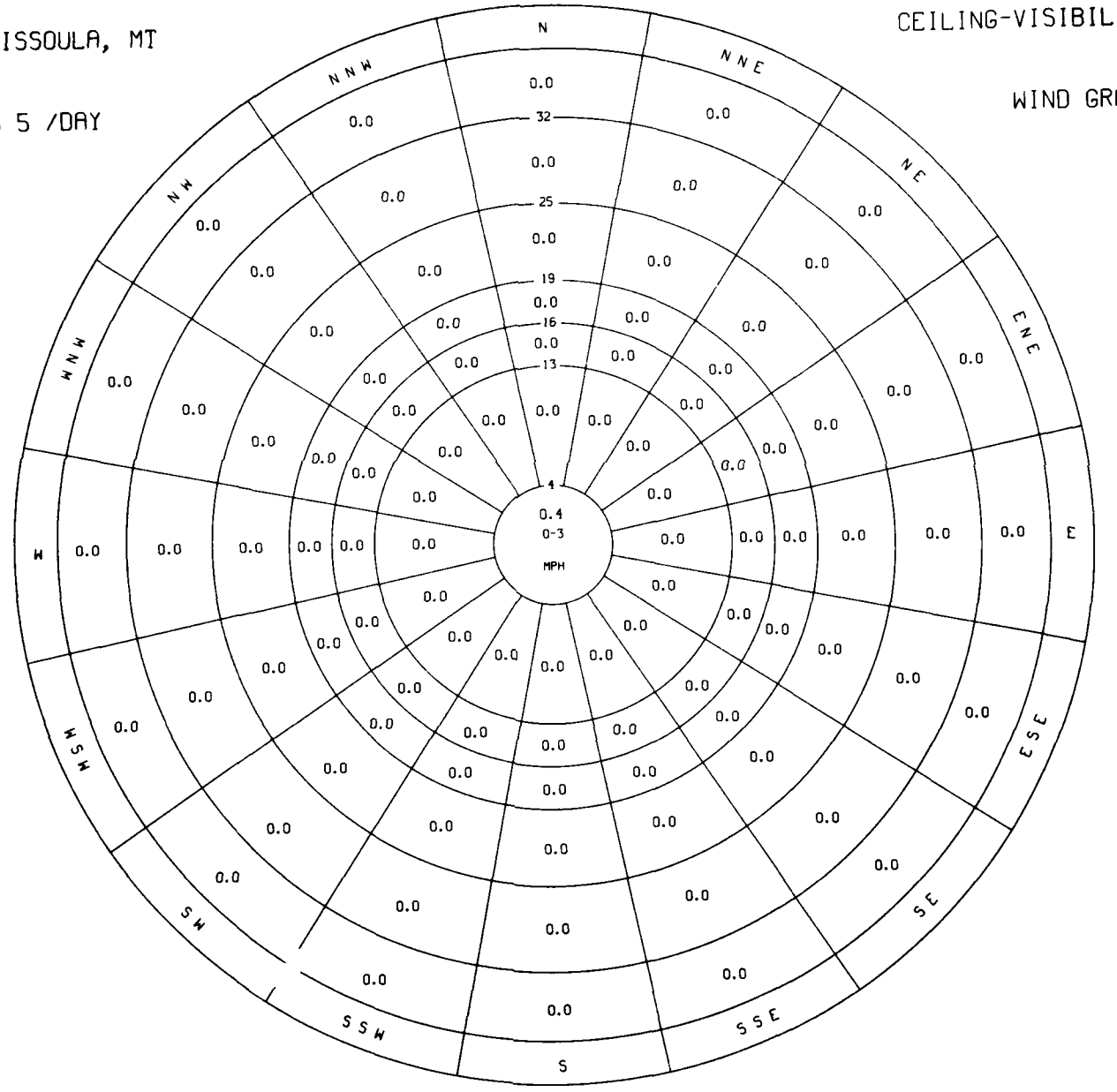
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.2	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.8
NNE	.0	.9	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.5	6.3
NE	.0	2.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	2.9
ENE	.0	2.0	.0	1.1	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	3.3	4.6
E	.0	3.5	.0	2.6	.0	.2	.0	.7	.0	.2	.0	.2	.0	.0	.1	7.4	6.9
ESE	.0	3.5	.0	3.7	.0	.4	.0	.2	.0	.4	.0	.0	.0	.0	.1	8.3	6.2
SE	.0	1.8	.0	2.4	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.1	5.0	6.4
SSE	.0	2.6	.0	1.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	4.2
S	.0	1.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.3
SSW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.3
SW	.0	1.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.9
WSW	.0	1.8	.0	.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.8	4.5
W	.0	2.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1	4.4	4.9
WNW	.0	3.7	.0	3.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	4.9
NW	.0	2.2	.1	5.7	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.1	8.8	6.6
NNW	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.3
CALM	.3	28.4													.3	28.4	
TOTAL	.8	63.7	.4	29.8	.0	3.3	.0	1.8	.0	1.1	.0	.4	.0	.0	1.2	100	3.8

MSO MISSOULA, MT

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 24153

NO. OBS.: 262

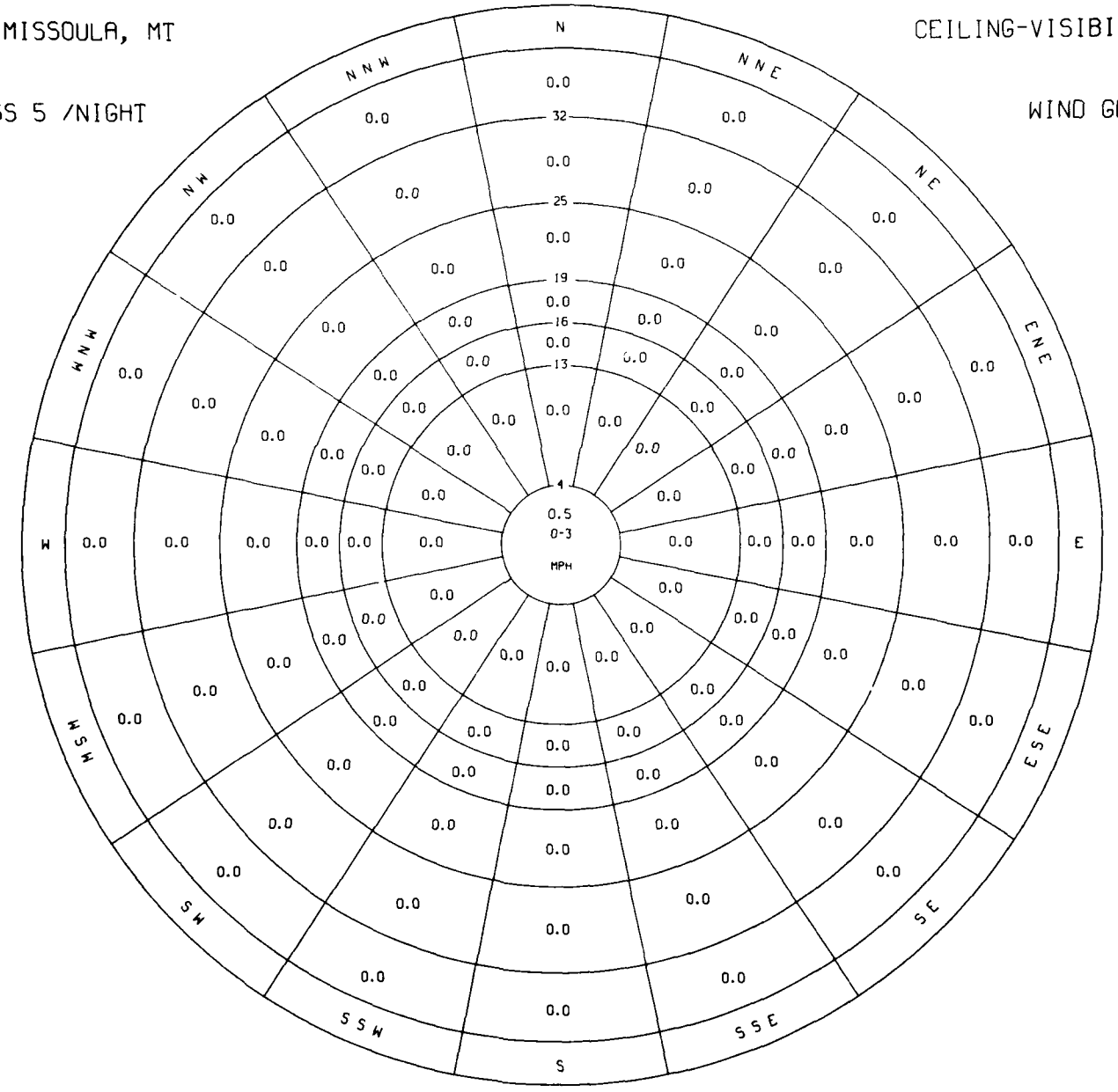
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.1
NNE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.5
NE	.0	1.1	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.9	5.8
ENE	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.7
E	.0	2.3	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.2	5.9
ESE	.0	3.1	.0	1.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.3	5.4
SE	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	3.2
SSE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.8
S	.0	3.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	2.9
SSW	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	2.7
SW	.0	1.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
WSW	.0	3.4	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	4.1
W	.0	5.7	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	3.4
WNW	.0	4.6	.0	6.1	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.1	11.5	5.8
NW	.0	3.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	5.3	5.1
NNW	.0	1.1	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.2
CALM	.2	35.1													.2	35.1	
TOTAL	.4	75.6	.1	21.4	.0	.8	.0	1.1	.0	.4	.0	.8	.0	.0	.5	100	2.9

MSO MISSOULA, MT

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 24153

NO. OBS.: 256

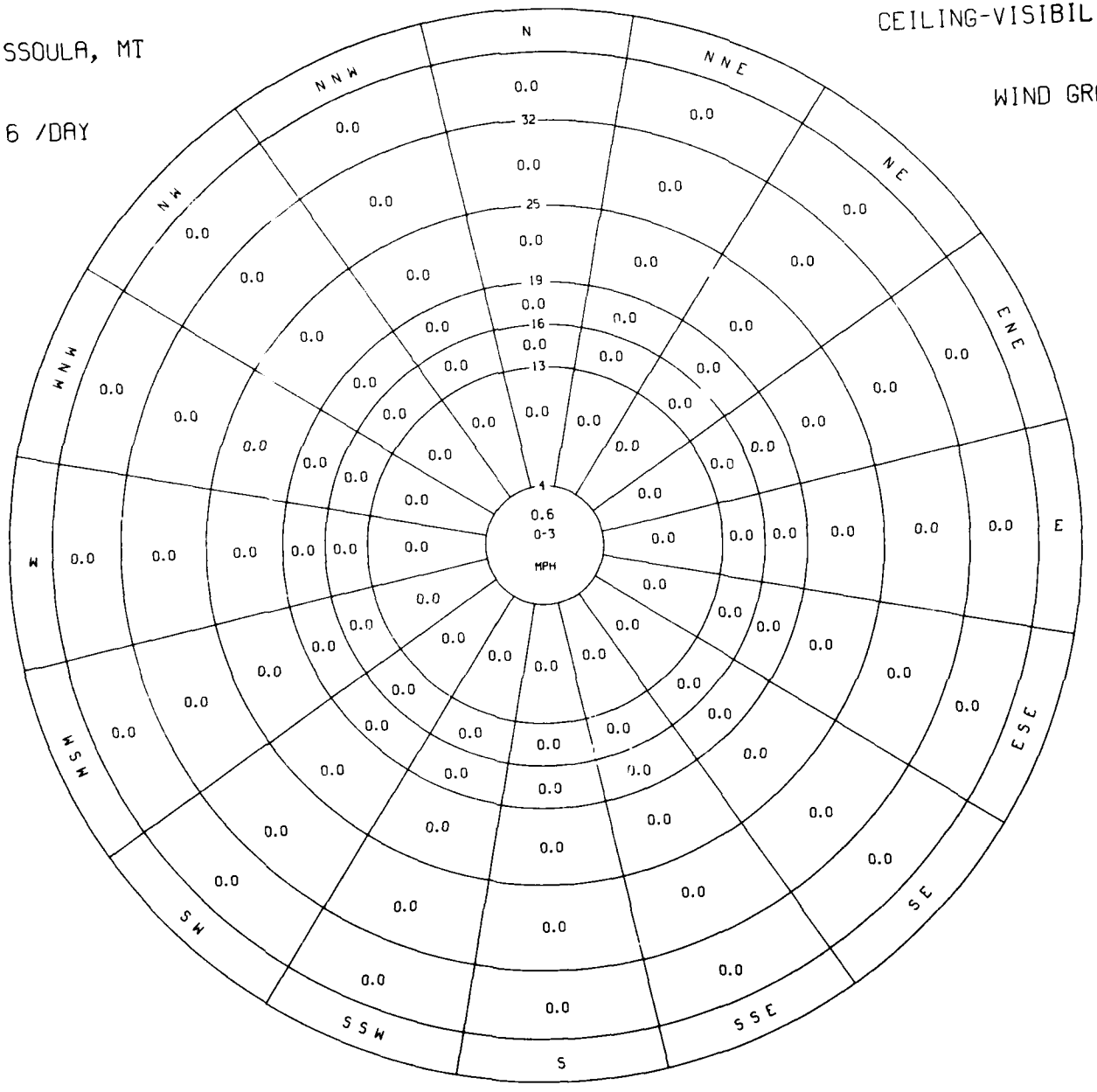
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.2
NNE	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.2
NE	.0	2.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.7
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	3.9	.0	.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.1	3.8
ESE	.0	2.0	.0	1.6	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	4.3	7.7
SE	.0	4.7	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	3.4
SSE	.0	2.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
S	.0	2.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.8
SSW	.0	2.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.0
SW	.0	2.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	3.6
WSW	.0	2.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	3.4
W	.0	5.5	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.4	3.9
WNW	.0	3.1	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	4.1
NW	.0	2.0	.0	1.6	.0	.4	.0	.4	.0	.0	.0	.8	.0	.0	.0	5.1	9.5
NNW	.0	2.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.3
CALM	.2	35.9													.2	35.9	
TOTAL	.5	76.6	.1	20.7	.0	.4	.0	.8	.0	.4	.0	1.2	.0	.0	.7	100	2.8

MSO MISSOULA, MT

CLASS 6 /DAY

CEILING-VISIBILITY

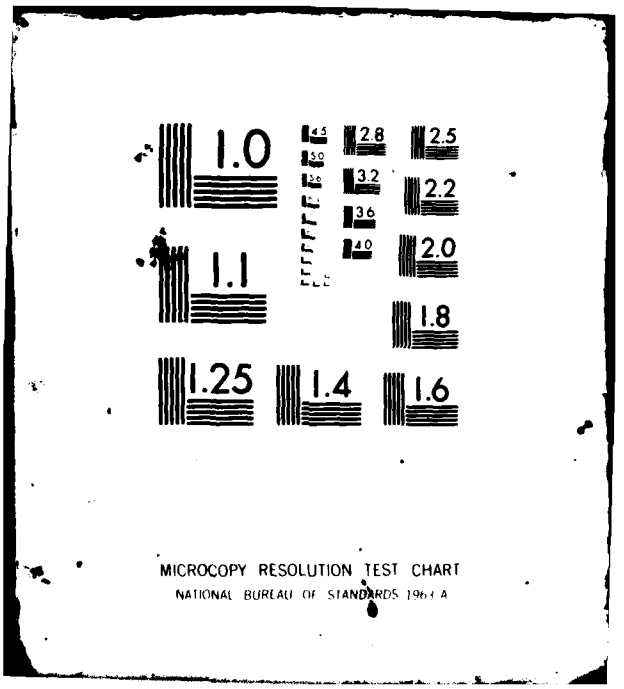
WIND GRAPH



AD-A108 166 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057
UNCLASSIFIED NL



END
DATE FILMED
1 82
DTIC


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

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 24153

NO. OBS.: 369

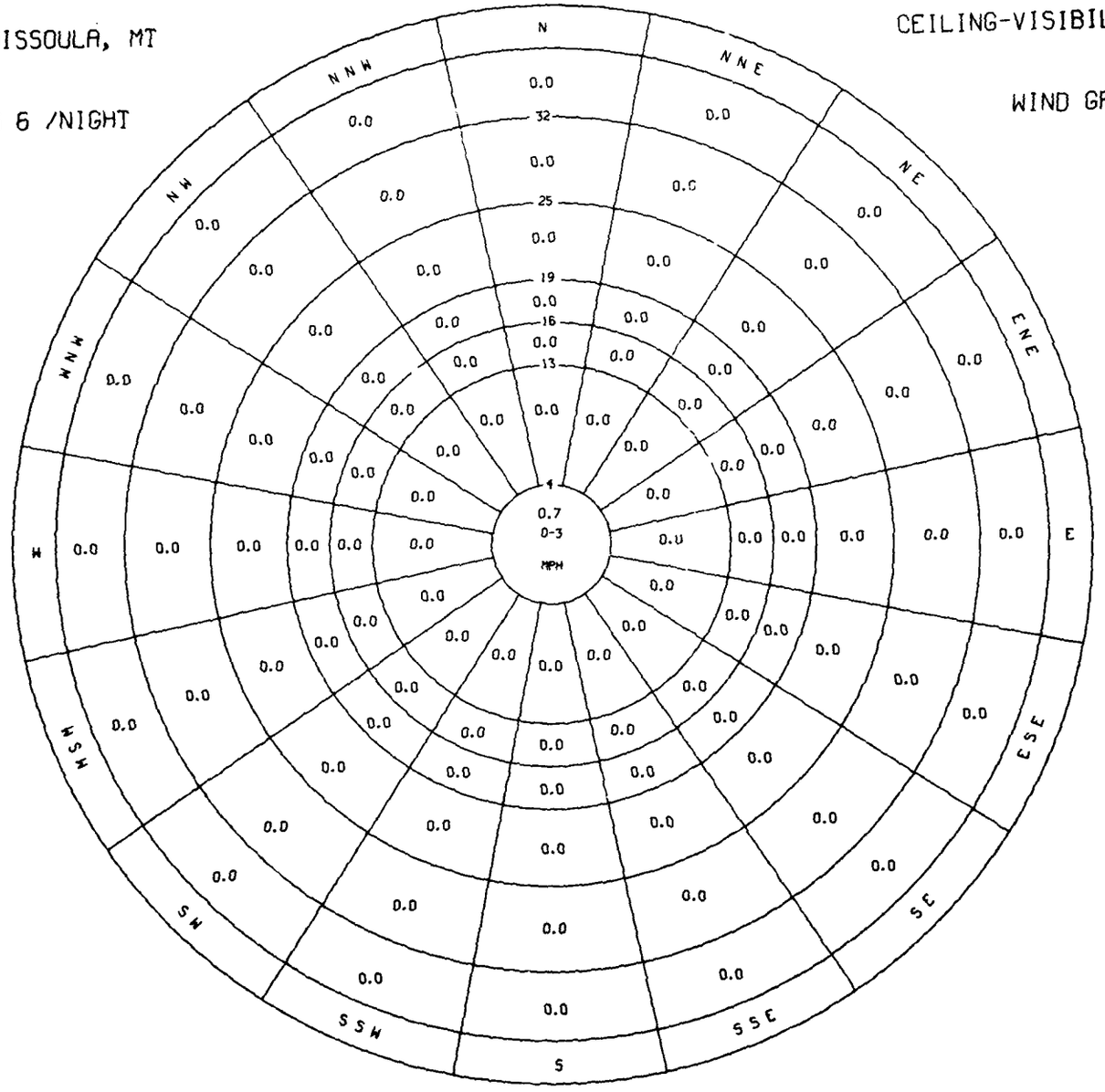
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	2.8
NNE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.8	10.0
NE	.0	2.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	2.3
ENE	.0	1.6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.9	4.7
E	.0	3.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	3.0
ESE	.0	2.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.2
SE	.0	5.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	3.2
SSE	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.6
S	.0	3.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	2.7
SSW	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.4
SW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.2
WSW	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.2
W	.0	5.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3	3.4
WNW	.0	4.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	3.5
NW	.0	4.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	6.5	4.6
NNW	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	2.7
CALM	.3	42.3													.3	42.3	
TOTAL	.6	86.4	.1	12.7	.0	.0	.0	.3	.0	.3	.0	.3	.0	.0	.7	100	2.0

MSO MISSOULA, MT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSO MISSOULA, MT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 24153

NO. OBS.: 326

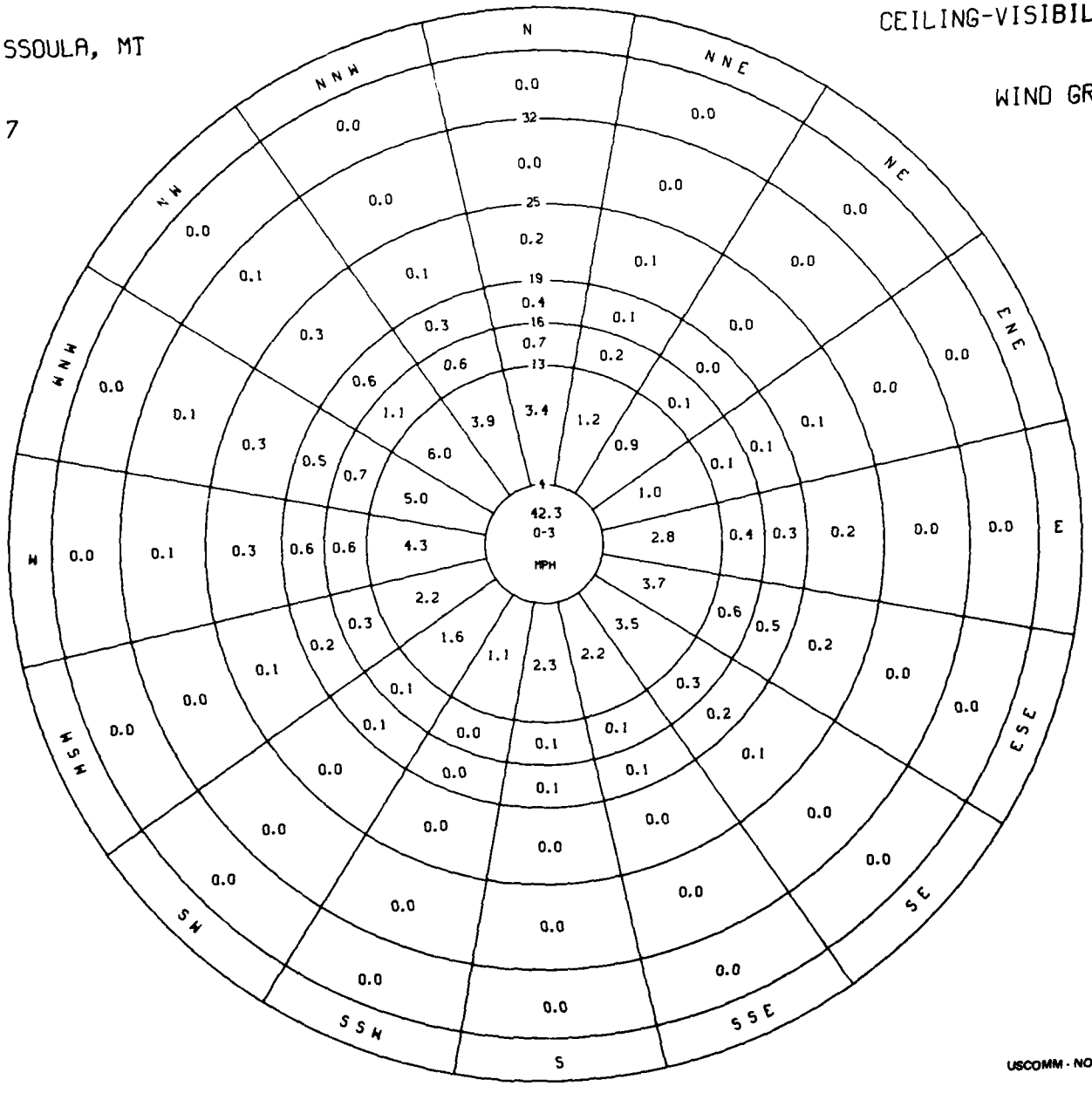
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	3.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	2.6
NNE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.0
NE	.0	2.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	2.6
ENE	.0	2.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	3.2
E	.0	5.2	.0	1.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.1	7.4	4.1
ESE	.0	3.4	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	3.7
SE	.0	4.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	4.0
SSE	.0	2.1	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.0
S	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.2
SSW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0
SW	.0	2.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.6
WSW	.0	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.2
W	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	3.7
WNW	.0	2.5	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	4.1
NW	.0	4.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	3.5
NNW	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.7
CALM	.3	38.7													.3	38.7	
TOTAL	.7	79.1	.2	20.6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.8	100	2.2

MSO MISSOULA, MT

CLASS 7

CEILING-VISIBILITY

WIND GRAPH



USCOMM - NOAA - ASHEVILLE, N.C. - 4/81 /200


DAT
ILM