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NATIONAL CLIMATIC CENTER ASHEVILLE NC

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WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)

JUN 81

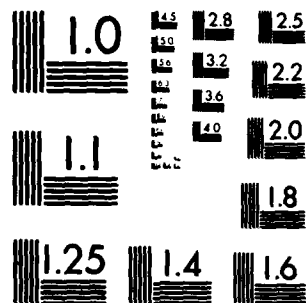
DOT-FA79WAI-057

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UNCLASSIFIED

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A black and white photograph of a 10x10 grid of squares. The top-left corner contains a small, dark, rectangular object, possibly a stamp or a piece of tape, with some illegible text and a small number '3' visible. The rest of the grid is empty.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A₁

AD A108155

Technical report document

1. Report No.	2. Government Ac	3. Recipient's Catalog No.	
4. Title and Subtitle Wind-Ceiling-Visibility Data at Selected Airports - Volume I - New England Region		5. Report Date June 1981	
		6. Performing Organization Code	
7. Author(s)		8. Performing Organization Report No.	
9. Performing Organization Name and Address National Climatic Center Federal Building Asheville, North Carolina 28801		10. Work Unit No. (TRAIS)	
		11. Contract or Grant No. DOT-FA79WAI-057	
12. Sponsoring Agency Name and Address DOT/Federal Aviation Administration Office of Aviation Policy and Plans 800 Independence Avenue, S.W. Washington, D.C. 20591		13. Type of Report and Period Covered Final Report	
		14. Sponsoring Agency Code	
15. Supplementary Notes			
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 Ceiling, visibility, climatology		18. Distribution Statement Document is available to the public through the National Technical Information Service, Springfield, Va. 22151	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 293	22. Price

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Interagency Agreement DOT-FA79WAI-057

WIND-CEILING-VISIBILITY
DATA
AT SELECTED AIRPORTS

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November 1980

DISTRIBUTION STATEMENT A
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CONTENTS

Foreword	i
Legend for Table and Wind Rose	iv
Station List	vii
Region Name	1
Wind Roses and Tables	2

Accession For	
NTIS GR&I	☒
DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution/	
Availability Codes	
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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-FA79WA1-057.

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 nighttime 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. Therefore, no significant information has been lost by basing the climatologies on 8 observations per day.

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

STATION NUMBER: 94702

CLASS 1 / DAY

NO. OBS.: 29909

PERIOD: 1949-1978

D I R	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
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
NNE	.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	.3	.4	.1	.1	.1	.1	.0	.0	.0	.0	2.2	2.6	9.8
SSE	.1	.1	1.7	2.0	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.8	9.8
S	.2	.2	2.9	3.5	1.2	1.5	.5	.6	.3	.4	.0	.0	.0	.0	5.0	5.9	11.4
SSW	.1	.1	2.5	3.0	1.2	1.4	.9	1.1	.6	.7	.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
NNW	.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

(E)

(F)

(G)

(100)

(I)

(H)

(A)

(B)

(C)

(D)

(J)

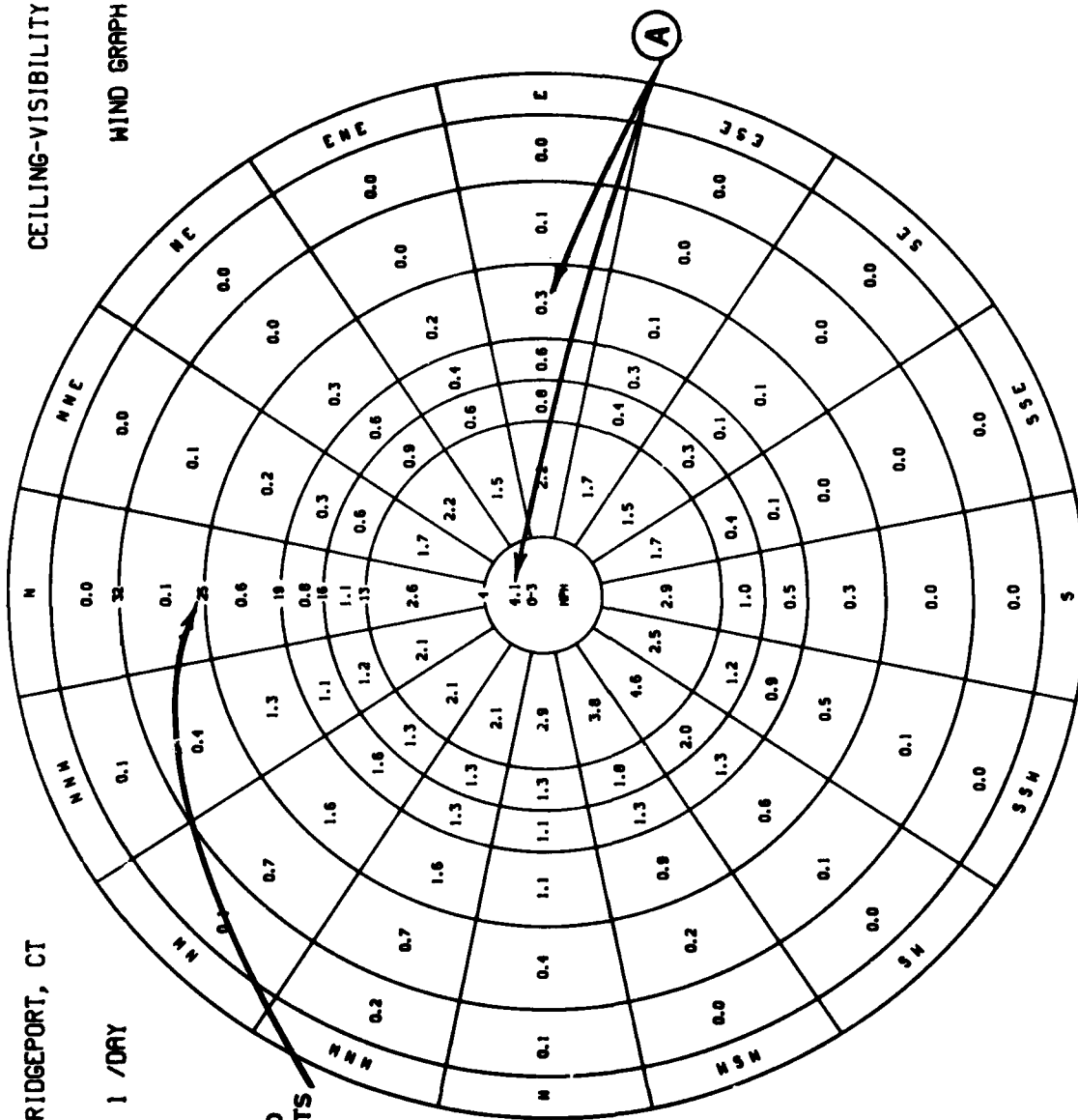
CEILING-VISIBILITY

WIND GRAPH

BUR BRIDGEPORT, CT

CLASS 1 /DAY

WIND SPEED
CLASS LIMITS
IN MPH



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
CT			
Bridgeport	BDR	94702	1949-1952 1961-1978
Hartford	BDL	14740	1949-1978
MA			
Boston	BOS	14739	1948-1978
Worcester	ORH	94746	1949-1958 1960-1978
ME			
Augusta	AUG	14605	1949-1954 1974-1978
Bangor	BGR	14606	1952-1970 1973-1978
Caribou	CAR	14607	1948-1962*
Portland	PWM	14764	1948-1978
NH			
Concord	CON	14745	1948-1978
RI			
Providence	PVD	14765	1948-1978
VT			
Burlington	BTW	14742	1948-1978

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

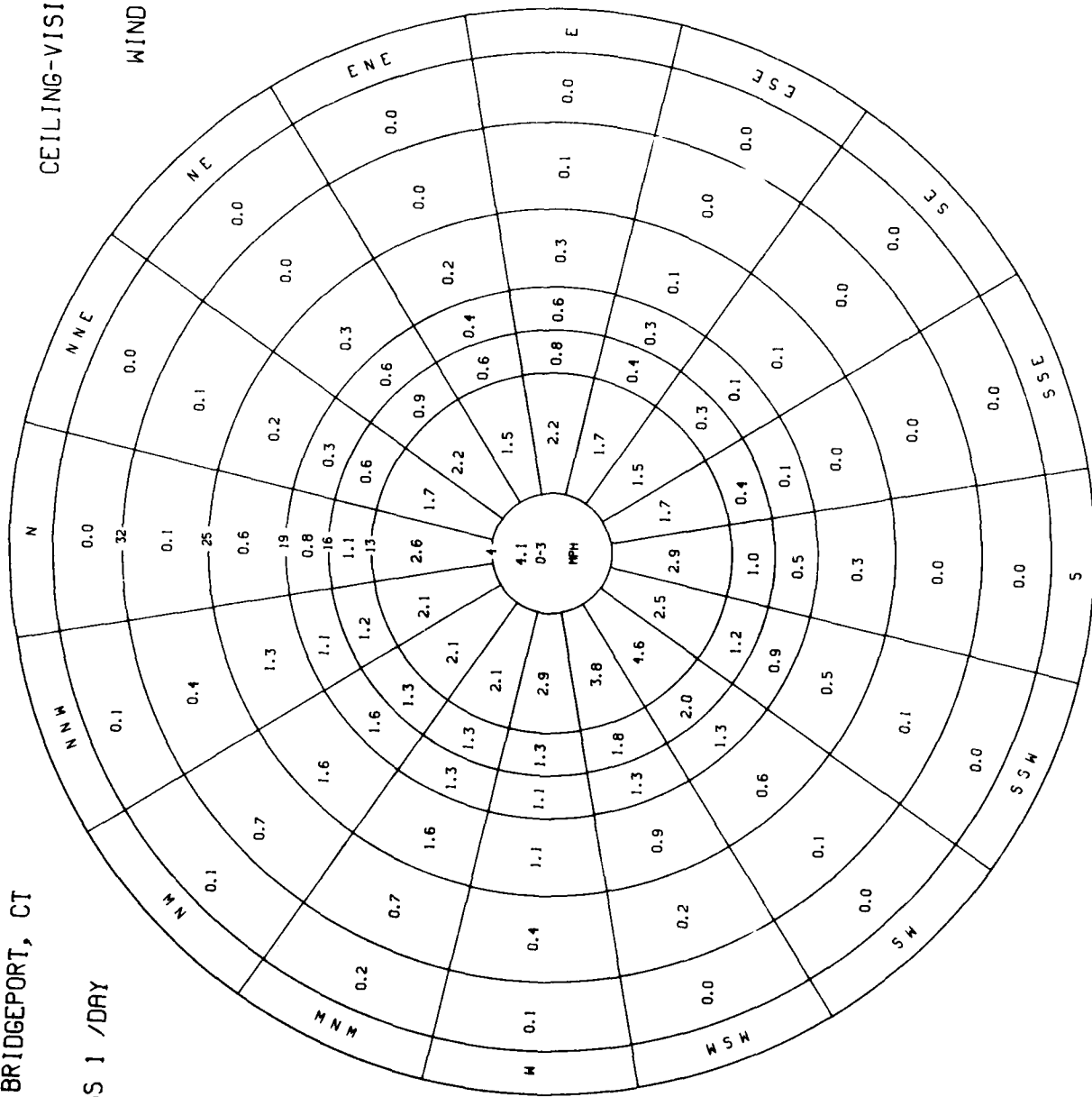
NEW ENGLAND REGION (ANE)

BDR BRIDGEPORT, CT

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 94702

NO. OBS.: 29909

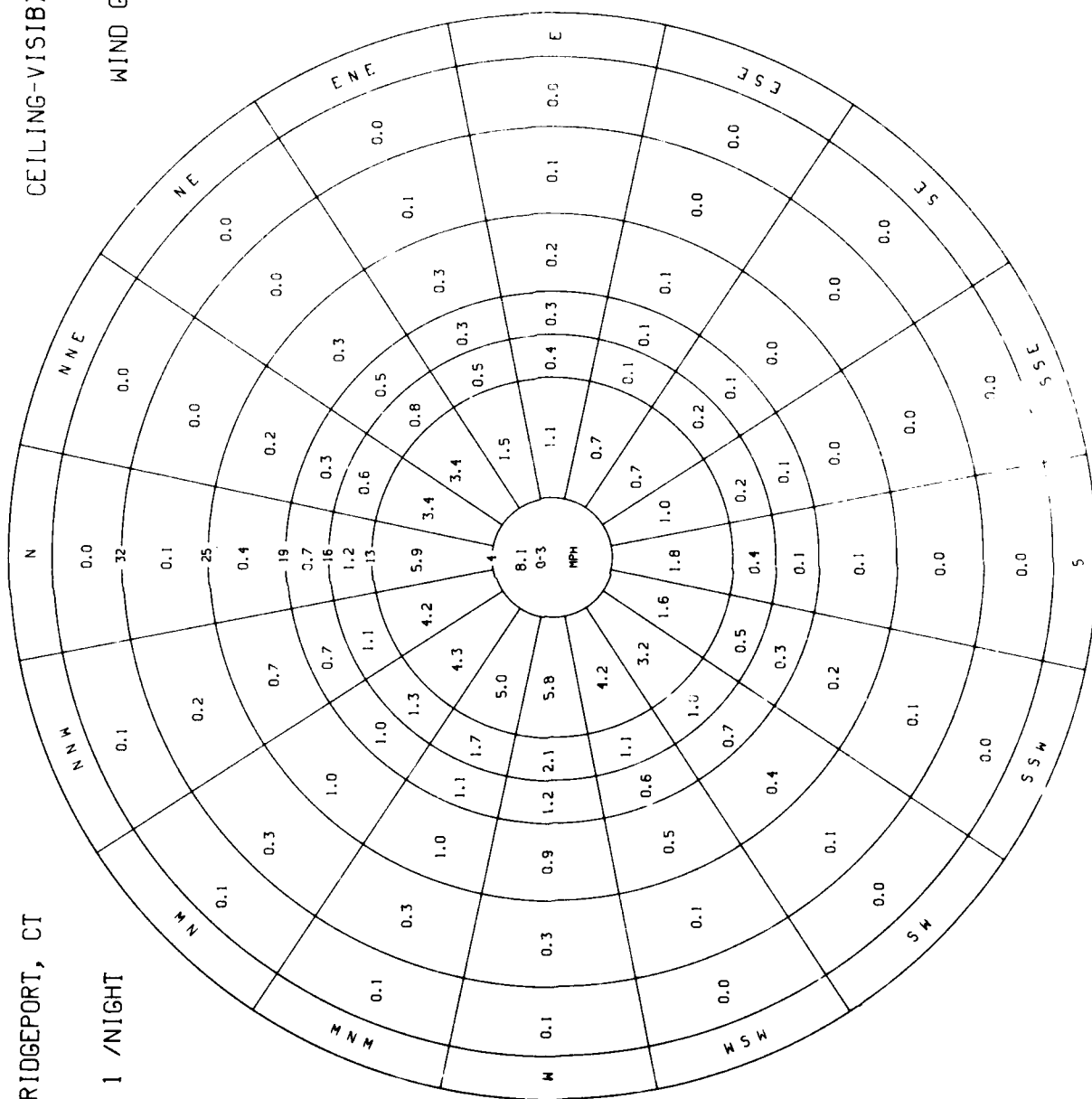
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.3	2.6	3.1	1.1	1.4	.8	.9	.6	.8	.1	.1	.0	.0	5.5 6.6
NNE	.2	.3	1.7	2.1	.6	.7	.3	.4	.2	.3	.1	.1	.0	.0	3.2 3.8
NE	.3	.4	2.2	2.6	.9	1.0	.6	.7	.3	.4	.0	.0	.0	.0	4.3 5.1
ENE	.2	.2	1.5	1.8	.6	.7	.4	.5	.2	.3	.0	.1	.0	.0	3.0 3.5
E	.2	.2	2.2	2.6	.8	1.0	.6	.7	.3	.4	.1	.1	.0	.0	4.2 5.0
ESE	.1	.1	1.7	2.0	.4	.5	.3	.3	.1	.2	.0	.0	.0	.0	2.7 3.2
SE	.2	.2	1.5	1.7	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.2 2.6
SSE	.1	.1	1.7	2.0	.4	.4	.1	.1	.0	.1	.0	.0	.0	.0	2.3 2.8
S	.2	.2	2.9	3.5	1.0	1.2	.5	.6	.3	.4	.0	.0	.0	.0	5.0 5.9
SSW	.1	.1	2.5	3.0	1.2	1.4	.9	1.1	.5	.6	.1	.1	.0	.0	5.3 6.3
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
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
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
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
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
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
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

CEILING-VISIBILITY

WIND GRAPH

BDR BRIDGEPORT, CT

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 94702

NO. OBS.: 24496

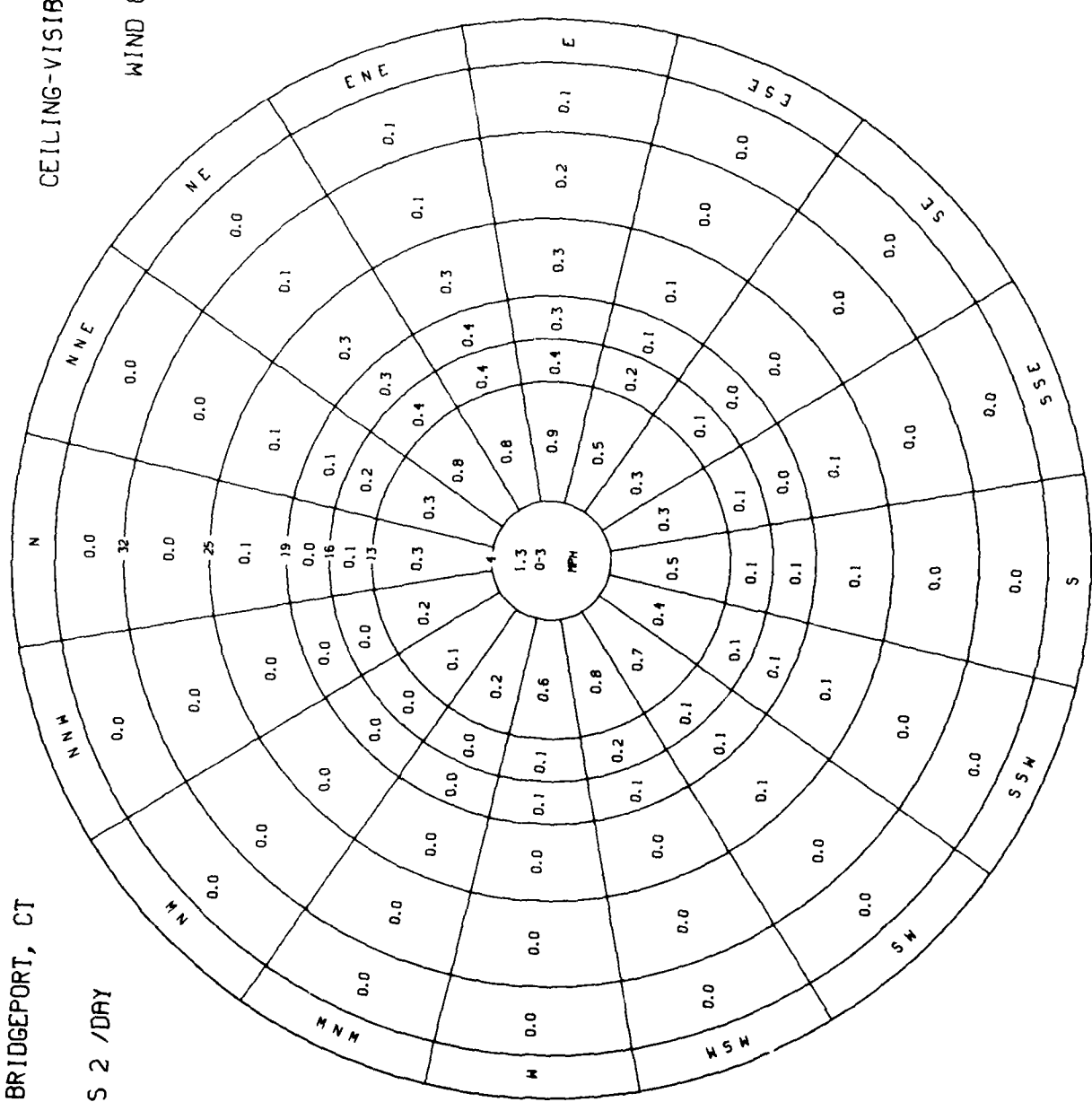
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.7	.8	5.9	6.9	1.2	1.4	.7	.8	.4	.5	.1	.1	.0	.0	9.0	10.5	10.0
NNE	.7	.8	3.4	4.0	.6	.8	.3	.3	.2	.3	.0	.0	.0	.0	5.2	6.2	9.2
NE	.7	.8	3.4	4.0	.8	.9	.5	.5	.3	.3	.0	.0	.0	.0	5.7	6.7	9.5
ENE	.2	.3	1.5	1.8	.5	.5	.3	.4	.3	.3	.1	.1	.0	.0	2.8	3.3	11.6
E	.1	.2	1.1	1.3	.4	.4	.3	.3	.2	.3	.1	.1	.0	.0	2.2	2.6	12.2
ESE	.1	.1	.7	.8	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.1	1.3	10.5
SE	.1	.2	.7	.9	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	1.2	1.4	9.6
SSE	.1	.1	1.0	1.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.4	1.6	9.2
S	.2	.2	1.8	2.1	.4	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.6	3.0	9.6
SSW	.2	.2	1.6	1.9	.5	.6	.3	.3	.2	.3	.1	.1	.0	.0	2.9	3.4	11.2
SW	.3	.3	3.2	3.7	1.0	1.1	.7	.8	.4	.5	.1	.1	.0	.0	5.6	6.6	11.6
WSW	.3	.3	4.2	4.9	1.1	1.3	.6	.7	.5	.6	.1	.2	.0	.1	6.8	8.0	11.5
W	.4	.4	5.8	6.8	2.1	2.4	1.2	1.4	.9	1.1	.3	.3	.1	.1	10.7	12.6	12.4
WNW	.3	.4	5.0	5.8	1.7	2.0	1.1	1.3	1.0	1.2	.3	.4	.1	.1	9.6	11.3	12.6
NW	.6	.7	4.3	5.0	1.3	1.5	1.0	1.1	1.0	1.1	.3	.3	.1	.1	8.5	9.9	12.1
NNW	.5	.6	4.2	5.0	1.1	1.3	.7	.9	.7	.8	.2	.2	.1	.1	7.4	8.7	11.5
CALM	2.5	3.0													2.5	3.0	
TOTAL	8.1	9.5	47.6	55.9	13.1	15.3	8.0	9.4	6.4	7.5	1.7	2.0	.4	.5	85.3	100	10.9

BOR BRIDGEPORT, CT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 80R BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 94702

NO. OBS.: 5578

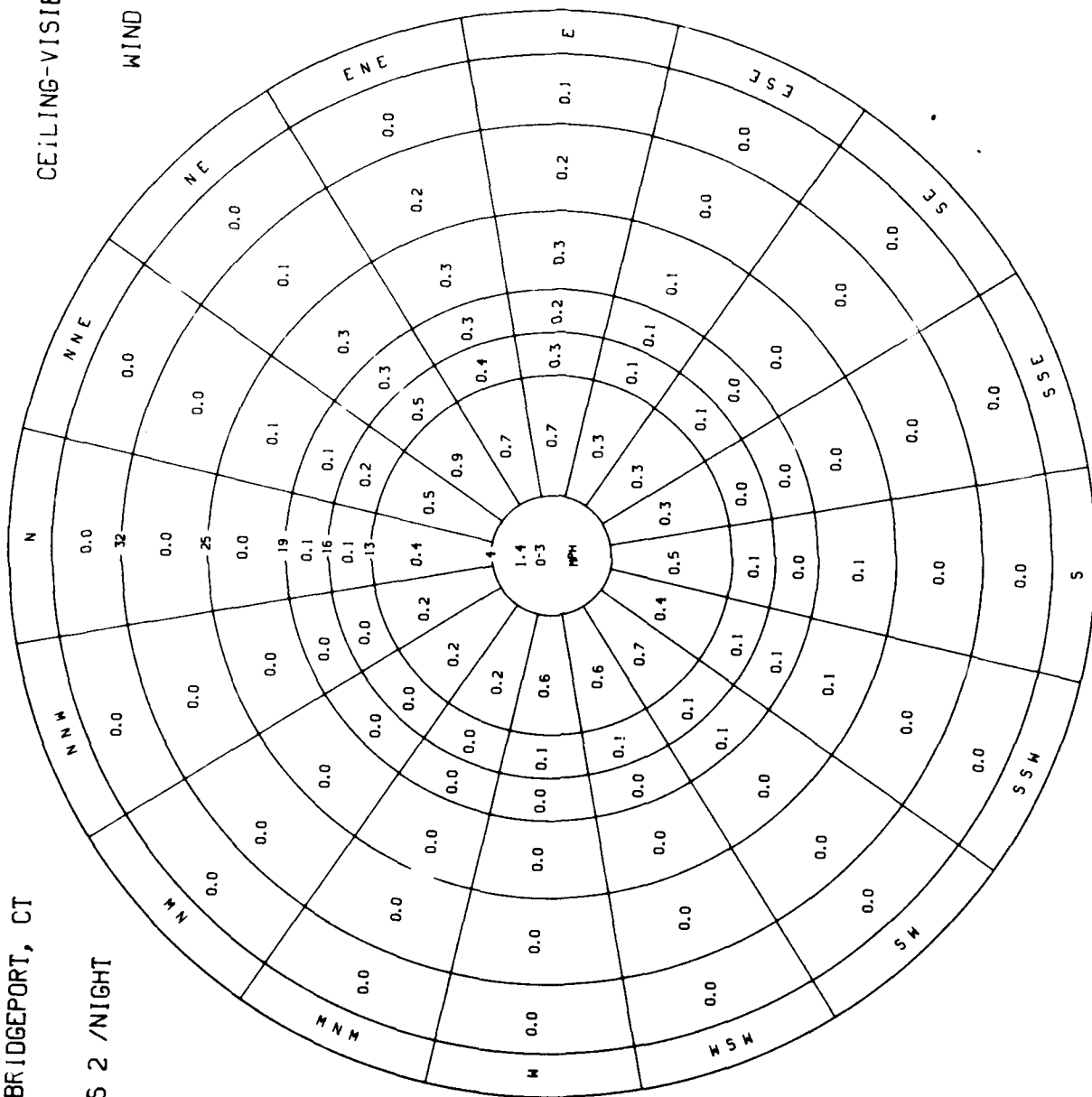
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.1	.4	.3	1.6	.1	.6	.0	.2	.1	.4	.0	.3	.0	.0	.6	3.5	12.1
NNE	.0	.3	.3	1.8	.2	1.2	.1	.6	.1	.5	.0	.0	.0	.1	.7	4.5	13.0
NNE	.1	.6	.8	4.9	.4	2.6	.3	2.0	.3	1.9	.1	.6	.0	.1	2.0	12.7	13.9
ENE	.1	.4	.8	5.2	.4	2.4	.4	2.4	.3	2.1	.1	.9	.1	.4	2.2	13.8	15.1
E	.1	.4	.9	5.9	.4	2.5	.3	1.9	.3	1.9	.2	1.0	.1	.5	2.2	14.2	14.7
ESE	.0	.2	.5	3.0	.2	1.0	.1	.4	.1	.7	.0	.3	.0	.0	.9	5.7	12.4
SE	.1	.3	.3	2.1	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.5	3.3	9.9
SSE	.0	.2	.3	2.0	.1	.4	.0	.2	.1	.4	.0	.1	.0	.0	.5	3.4	11.2
S	.1	.4	.5	3.2	.1	.7	.1	.5	.1	.5	.0	.2	.0	.1	.9	5.7	11.9
SSW	.0	.3	.4	2.5	.1	.7	.1	.6	.1	.4	.0	.2	.0	.0	.7	4.6	11.6
SW	.1	.6	.7	4.5	.1	1.0	.1	.7	.1	.3	.0	.1	.0	.0	1.1	7.2	10.6
WSW	.1	.4	.8	4.9	.2	1.4	.1	.6	.0	.3	.0	.1	.0	.1	1.2	7.8	10.9
W	.0	.3	.6	3.8	.1	.8	.1	.3	.0	.2	.0	.1	.0	.0	.9	5.4	10.0
WNW	.0	.2	.2	1.3	.0	.2	.0	.0	.0	.1	.0	.1	.0	.1	.3	2.0	10.0
NW	.0	.3	.1	.7	.0	.1	.0	.1	.0	.2	.0	.1	.0	.0	.3	1.6	11.5
NNW	.0	.2	.2	1.0	.0	.2	.0	.3	.0	.1	.0	.2	.0	.0	.3	1.9	11.6
CALM	.4	2.6													.4	2.6	
TOTAL	1.3	8.1	7.6	48.6	2.6	16.2	1.8	11.2	1.6	10.1	.7	4.2	.3	1.6	15.7	100	12.3

BOR BRIDGEPORT, CT

CLASS 2 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 94702

NO. OBS.: 4236

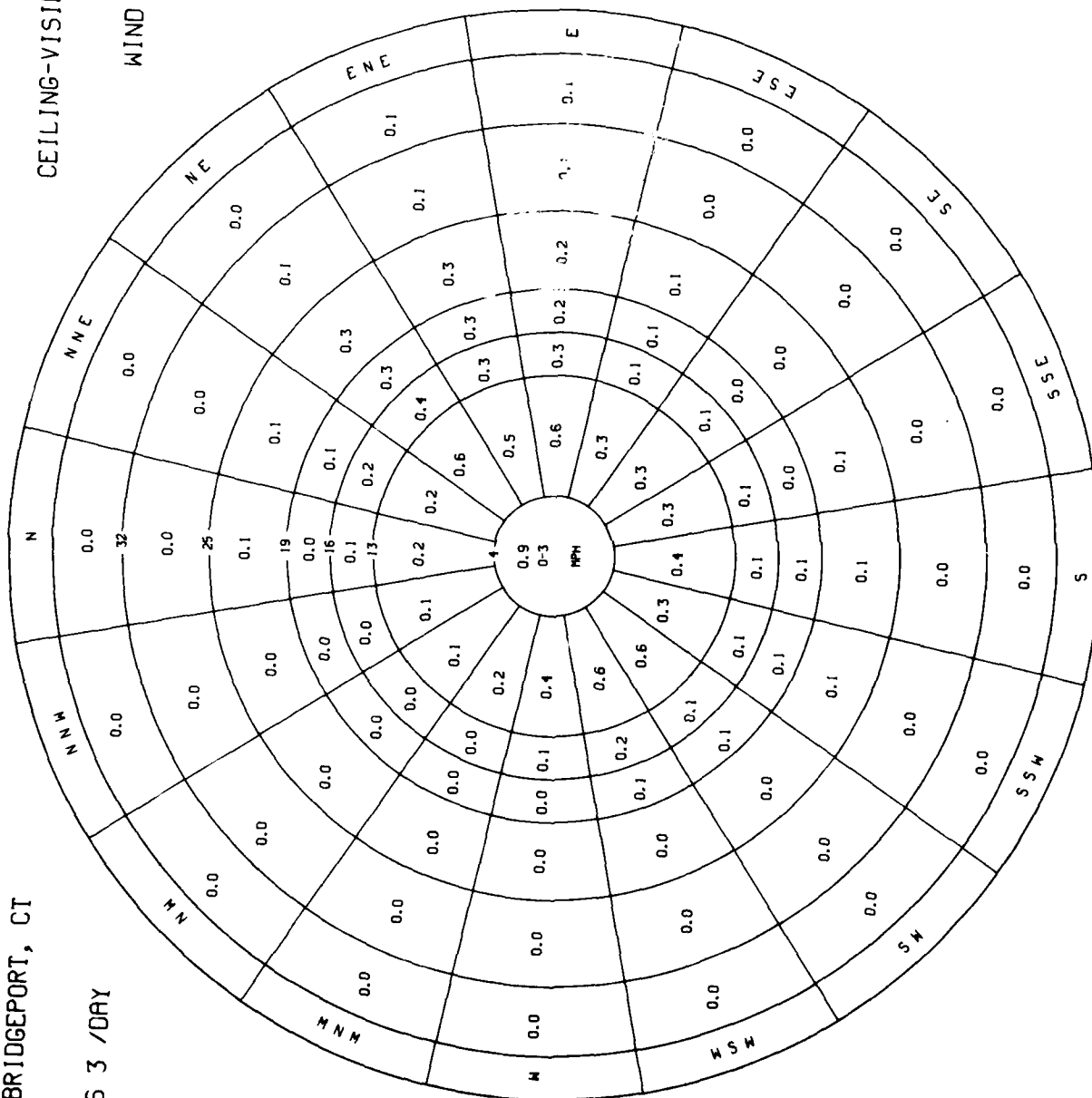
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.4	2.7	.1	.8	.1	.5	.0	.2	.0	.2	.0	.0	.7 4.9
NNE	.1	.4	.5	3.1	.2	1.1	.1	.6	.1	.7	.0	.2	.0	.2	.9 6.4
NE	.1	1.0	.9	6.1	.5	3.2	.3	2.1	.3	2.2	.1	.4	.0	.1	2.3 15.3
ENE	.1	.5	.7	5.0	.4	2.6	.3	1.8	.3	1.9	.2	1.0	.0	.3	1.9 13.1
E	.1	.4	.7	4.6	.3	2.0	.2	1.5	.3	1.8	.2	1.1	.1	.4	1.7 11.8
ESE	.0	.2	.3	2.2	.1	.6	.1	.6	.1	.6	.0	.2	.0	.0	.7 4.6
SE	.0	.2	.3	2.3	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.3
SSE	.0	.3	.3	2.2	.0	.3	.0	.2	.0	.3	.0	.0	.0	.0	.5 3.5
S	.1	.4	.5	3.2	.1	.4	.0	.3	.1	.5	.0	.1	.0	.1	.7 5.0
SSW	.0	.3	.4	2.4	.1	.4	.1	.4	.1	.4	.0	.2	.0	.0	.6 4.1
SW	.1	.5	.7	4.6	.1	1.0	.1	.6	.0	.3	.0	.1	.0	.0	1.0 7.0
WSW	.1	.4	.6	4.3	.1	.7	.0	.3	.0	.2	.0	.1	.0	.0	.9 6.0
W	.1	.4	.6	4.1	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.8 5.6
WNW	.0	.2	.2	1.3	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.3 2.0
NW	.0	.3	.2	1.1	.0	.1	.0	.2	.0	.2	.0	.1	.0	.0	.3 2.0
NNW	.0	.2	.2	1.1	.0	.2	.0	.1	.0	.1	.0	.1	.0	.1	.3 1.9
CALM	.5	3.4													.5 3.4
TOTAL	1.4	9.7	7.4	50.3	2.2	14.7	1.4	9.8	1.5	10.1	.6	4.0	.2	1.4	14.7 100
															11.8

BDR BRIDGEPORT, CT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 94702

NO. OBS.: 4372

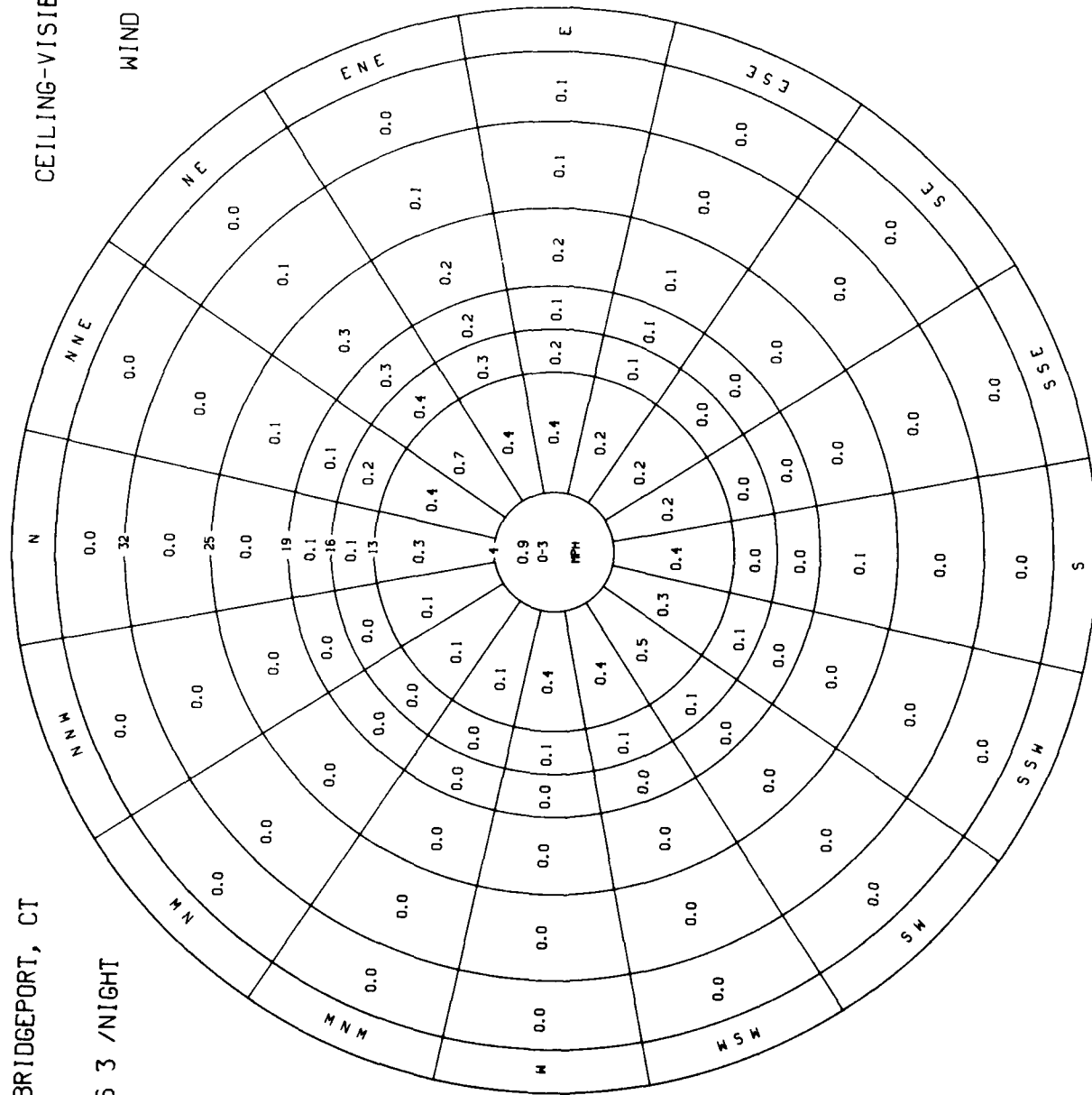
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.5	.2	1.8	.1	.7	.0	.3	.1	.4	.0	.2	.0	.0	.5	3.9	11.5
NNE	.0	.3	.2	1.8	.2	1.4	.1	.8	.1	.6	.0	.0	.0	.0	.6	4.9	13.3
NE	.1	.5	.6	5.0	.4	3.0	.3	2.3	.3	2.2	.1	.5	.0	.1	1.7	13.6	14.1
ENE	.0	.3	.5	4.5	.3	2.2	.3	2.2	.3	2.2	.1	.9	.1	.5	1.6	12.7	15.7
E	.0	.4	.6	4.8	.3	2.3	.2	1.6	.2	1.8	.1	1.1	.1	.6	1.5	12.6	15.4
ESE	.0	.2	.3	2.6	.1	1.1	.1	.4	.1	.8	.0	.3	.0	.0	.7	5.4	13.1
SE	.0	.3	.3	2.1	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.4	3.5	10.3
SSE	.0	.2	.3	2.1	.1	.5	.0	.2	.1	.4	.0	.2	.0	.0	.4	3.6	11.5
S	.0	.3	.4	3.4	.1	.8	.1	.6	.1	.6	.0	.3	.0	.2	.8	6.2	12.5
SSW	.0	.2	.3	2.6	.1	.7	.1	.6	.1	.4	.0	.2	.0	.0	.6	4.8	12.1
SW	.1	.5	.6	4.6	.1	1.0	.1	.8	.0	.4	.0	.1	.0	.0	.9	7.4	10.8
WSW	.0	.2	.6	5.1	.2	1.6	.1	.8	.0	.3	.0	.1	.0	.1	1.0	8.1	11.3
W	.0	.2	.4	3.5	.1	.8	.0	.3	.0	.2	.0	.1	.0	.0	.6	5.1	10.4
WNW	.0	.2	.2	1.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2	2.0	10.0
NW	.0	.3	.1	.8	.0	.1	.0	.2	.0	.2	.0	.2	.0	.0	.2	1.8	11.9
NNW	.0	.2	.1	1.1	.0	.2	.0	.3	.0	.1	.0	.2	.0	.0	.3	2.1	11.8
CALM	.3	2.3													.3	2.3	
TOTAL	.9	7.1	5.8	47.1	2.1	17.2	1.4	11.7	1.3	10.8	.5	4.4	.2	1.6	12.3	100	12.7

BDR BRIDGEPORT, CT

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 94702

NO. OBS.: 3173

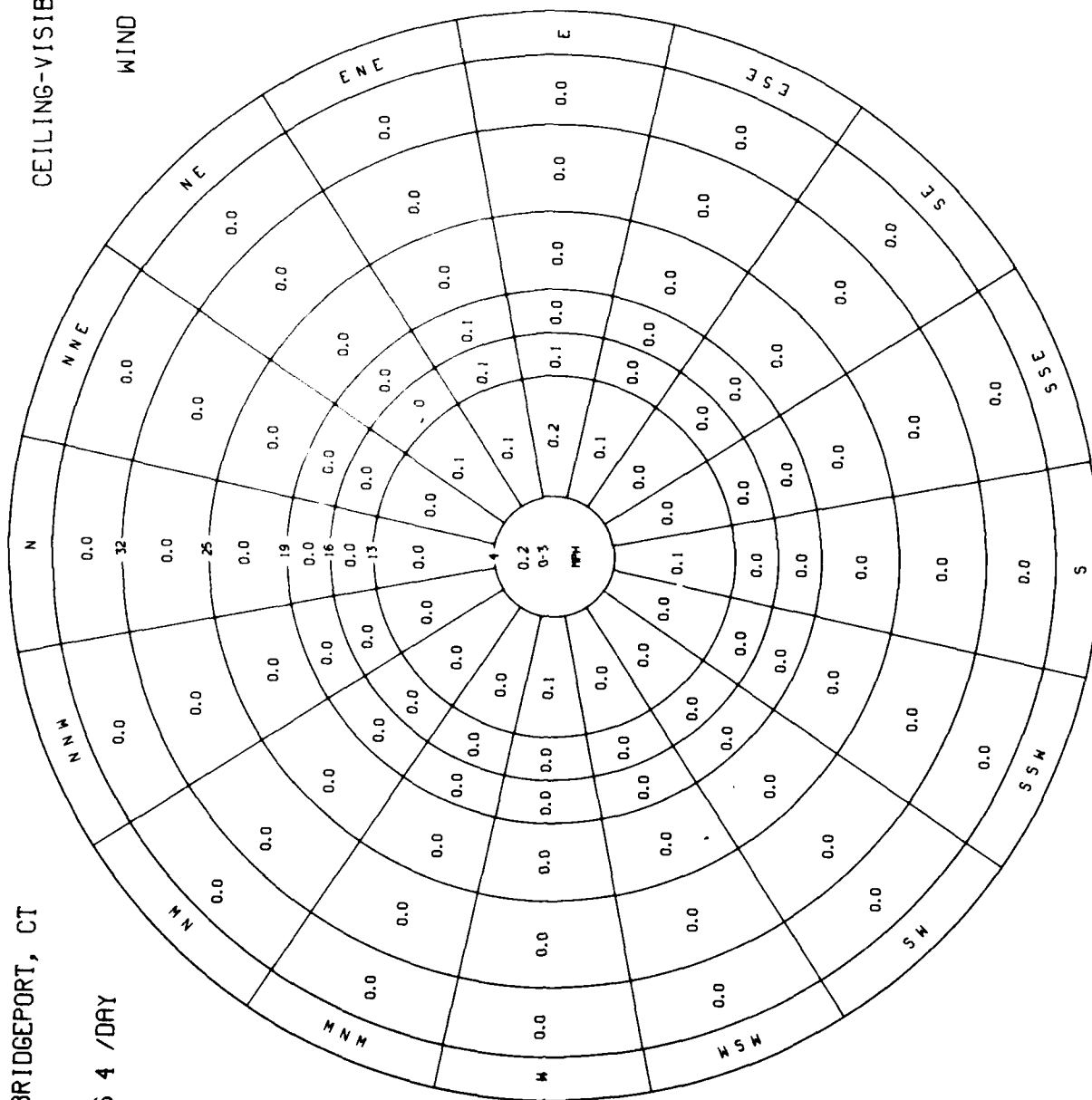
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.0	.3	.3	2.8	.1	1.0	.1	.6	.0	.3	.0	.1	.0	.0	.6	5.2	11.3	
NNE	.0	.4	.4	3.6	.2	1.4	.1	.8	.1	.9	.0	.3	.0	.2	.8	7.6	12.9	
NE	.1	1.0	.7	6.6	.4	3.8	.3	2.6	.3	2.8	.1	.5	.0	.2	1.9	17.5	13.8	
ENE	.0	.4	.4	3.9	.3	2.5	.2	2.0	.2	2.1	.1	1.0	.0	.3	1.4	12.3	15.5	
E	.0	.4	.4	3.4	.2	1.8	.1	1.2	.2	2.0	.1	1.2	.1	.5	1.2	10.5	16.3	
ESE	.0	.1	.2	1.8	.1	.8	.1	.7	.1	.7	.0	.3	.0	.1	.5	4.4	14.3	
SE	.0	.2	.2	2.2	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.4	3.3	10.4	
SSE	.0	.2	.2	2.2	.0	.4	.0	.2	.0	.4	.0	.1	.0	.1	.4	3.6	11.4	
S	.0	.3	.4	3.3	.0	.4	.0	.4	.1	.5	.0	.1	.0	.1	.6	5.2	11.1	
SSW	.0	.3	.3	2.6	.1	.5	.0	.4	.0	.4	.0	.2	.0	.0	.5	4.3	11.8	
SW	.0	.4	.5	4.4	.1	1.0	.0	.4	.0	.3	.0	.1	.0	.0	.7	6.6	10.4	
WSW	.0	.4	.4	3.8	.1	.8	.0	.3	.0	.3	.0	.2	.0	.0	.6	5.7	10.5	
W	.0	.3	.4	3.4	.1	.6	.0	.3	.0	.2	.0	.1	.0	.0	.5	4.8	9.6	
WNW	.0	.2	.1	1.3	.0	.3	.0	.1	.0	.2	.0	.1	.0	.0	.2	2.2	10.5	
NW	.0	.3	.1	1.2	.0	.1	.0	.3	.0	.2	.0	.2	.0	.0	.3	2.3	11.3	
NNW	.0	.3	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.1	.0	.1	.2	1.9	11.2	
CALM	.3	2.7													.3	2.7		
TOTAL	.9	8.3	5.2	47.5	1.8	16.0	1.2	10.7	1.3	11.5	.5	4.4	.2	1.6	11.0	100	12.5	

BDR BRIDGEPORT, CT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 94702

NO. OBS.: 614

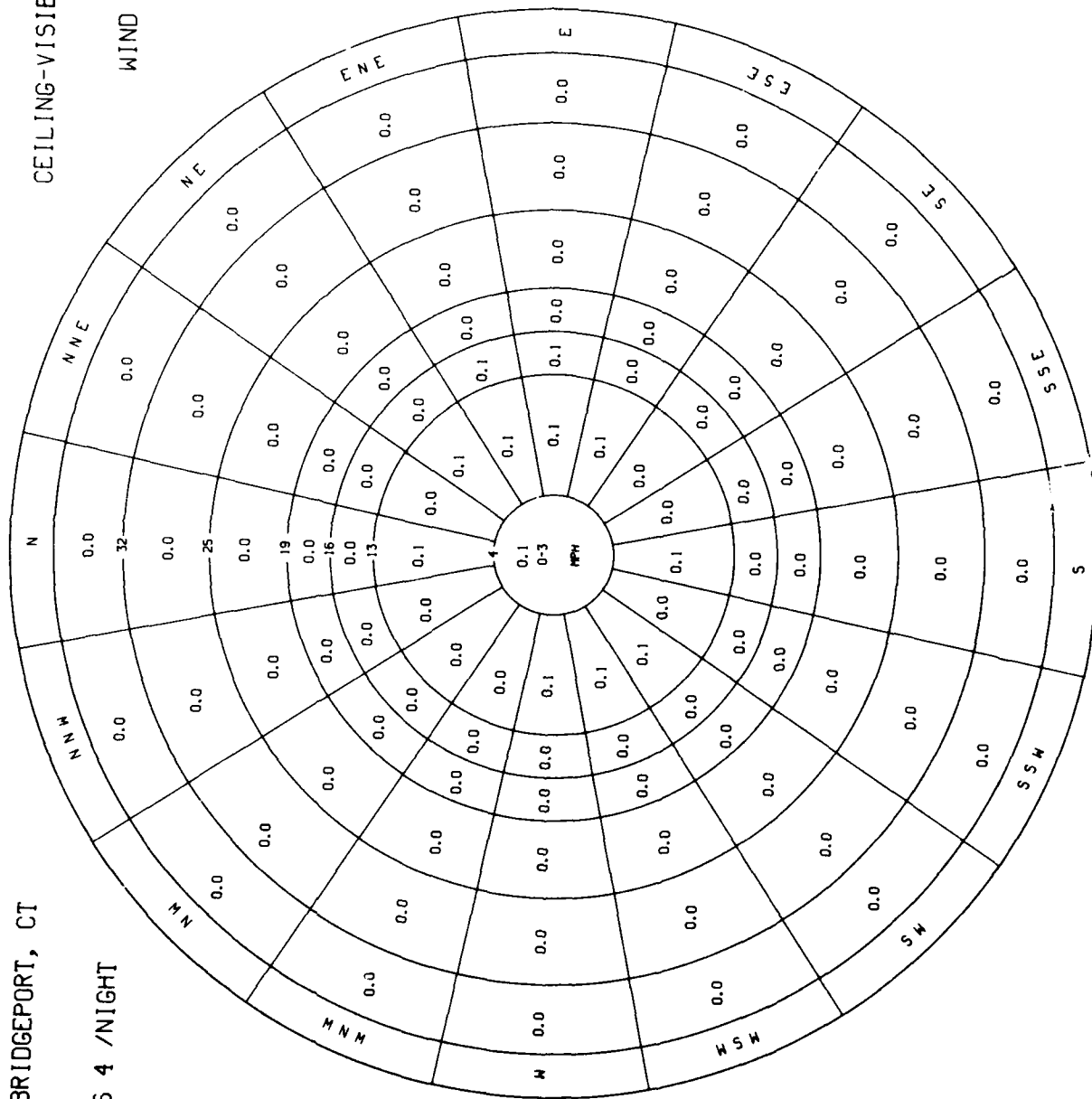
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.0	1.6	.0	.2	.0	.2	.0	.3	.0	.3	.0	.2	.1	2.9	13.4
NNE	.0	.5	.0	2.3	.0	.3	.0	.0	.0	.5	.0	.0	.0	.0	.1	3.6	9.6
NE	.0	1.0	.1	5.0	.0	1.8	.0	1.5	.0	1.6	.0	1.0	.0	.2	.2	12.1	13.5
ENE	.0	1.1	.1	5.9	.1	3.9	.1	3.4	.0	2.1	.0	1.3	.0	.7	.3	18.4	14.9
E	.0	.2	.2	9.8	.1	3.9	.0	2.6	.0	2.8	.0	1.1	.0	.5	.4	20.8	14.4
ESE	.0	.2	.1	4.6	.0	1.0	.0	1.1	.0	.3	.0	.2	.0	.0	.1	7.3	11.3
SE	.0	.3	.0	2.0	.0	.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	2.8	9.6
SSE	.0	.2	.0	1.6	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.0	2.6	10.7
S	.0	.3	.1	2.9	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.1	4.1	9.4
SSW	.0	.7	.0	1.8	.0	.5	.0	.5	.0	.2	.0	.0	.0	.0	.1	3.6	9.4
SW	.0	.7	.0	2.6	.0	.7	.0	.7	.0	.2	.0	.2	.0	.0	.1	4.9	10.4
WSW	.0	.2	.0	2.8	.0	.3	.0	.2	.0	.3	.0	.0	.0	.2	.1	3.9	11.2
W	.0	.0	.1	4.6	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	5.2	9.3
WNW	.0	.5	.0	.8	.0	.2	.0	.0	.0	.2	.0	.2	.0	.0	.0	1.8	10.7
NW	.0	.0	.0	1.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.3	10.0
NNW	.0	.3	.0	1.0	.0	.2	.0	.2	.0	.2	.0	.3	.0	.0	.0	2.1	12.0
CALM	.0	2.6													.0	2.6	
TOTAL	.2	8.8	.9	50.2	.2	14.2	.2	11.4	.2	9.3	.1	4.6	.0	1.6	1.7	100	12.2

BDR BRIDGEPORT, CT

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 94702

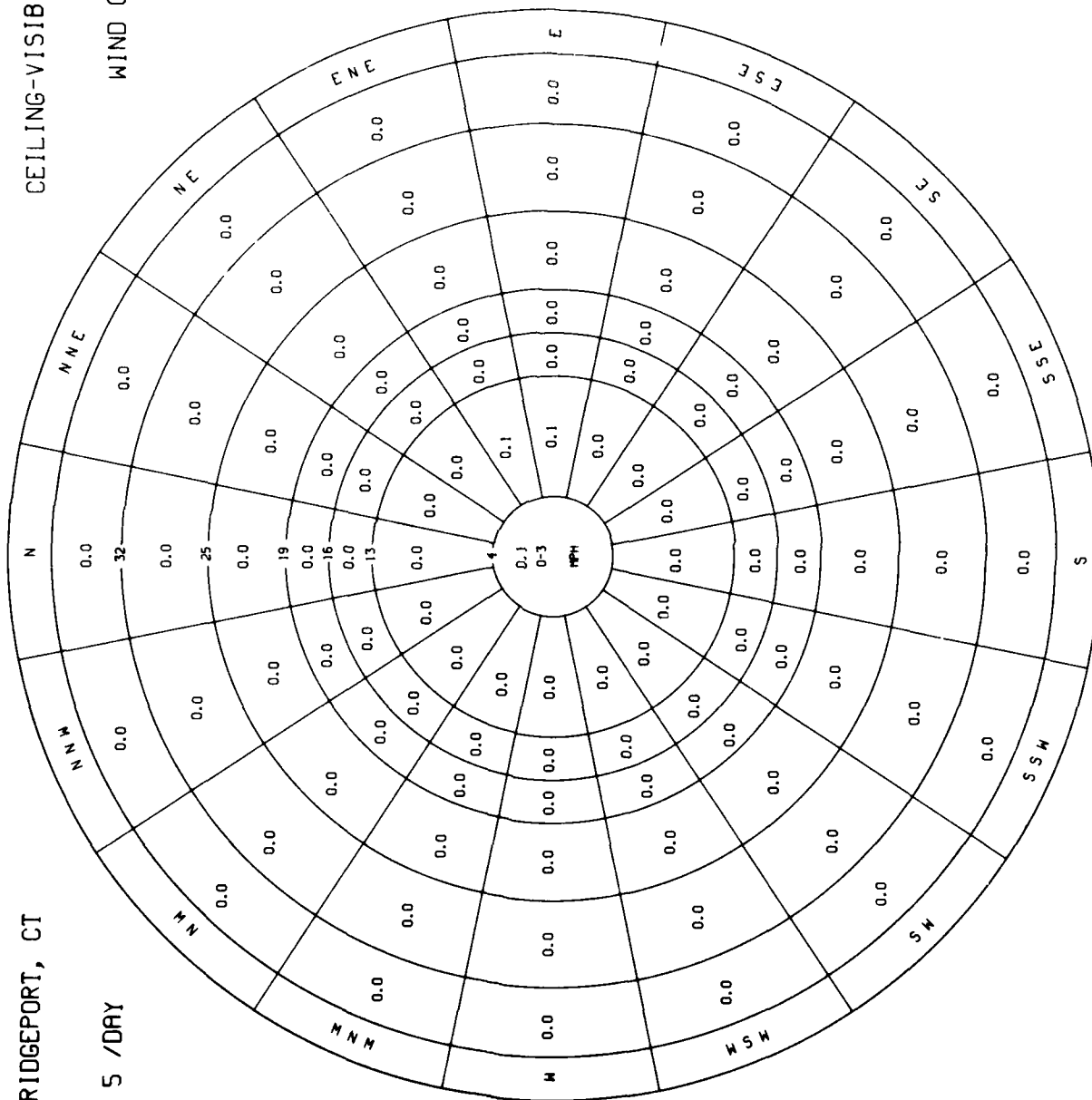
NO. OBS.: 465

D I R	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	
N	.0	.9	.1	3.2	.0	.4	.0	.2	.0	.2	.0	.6	.0	.0	.1 5.6
NNE	.0	.0	.0	2.2	.0	.2	.0	.2	.0	.2	.0	.4	.0	.0	.1 3.4
NE	.0	.2	.1	6.0	.0	1.9	.0	1.5	.0	.6	.0	.0	.0	.0	.2 10.3
ENE	.0	.4	.1	7.5	.1	3.4	.0	2.2	.0	2.4	.0	1.7	.0	.2	.3 17.8
E	.0	.4	.1	6.9	.1	3.7	.0	2.4	.0	1.5	.0	1.5	.0	.2	.3 16.6
ESE	.0	.2	.1	3.9	.0	.4	.0	.6	.0	.6	.0	.0	.0	.0	.1 5.8
SE	.0	.0	.0	3.0	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1 3.7
SSE	.0	.6	.0	1.5	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0 2.8
S	.0	.9	.1	3.4	.0	.4	.0	.0	.0	.0	.0	.2	.0	.0	.1 4.9
SSW	.0	.4	.0	1.3	.0	.6	.0	.2	.0	.4	.0	.0	.0	.0	.0 3.0
SW	.0	.9	.1	4.1	.0	1.1	.0	1.1	.0	.4	.0	.2	.0	.0	.1 7.7
WSW	.0	.2	.1	3.4	.0	.6	.0	.0	.0	.2	.0	.0	.0	.0	.1 4.5
W	.0	.2	.1	4.5	.0	.0	.0	.2	.0	1.1	.0	.0	.0	.0	.1 6.0
WNW	.0	.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
NW	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
NNW	.0	.0	.0	.2	.0	.2	.0	.2	.0	.0	.0	.2	.0	.4	.0 2.4
CALM	.0	2.6													.0 2.6
TOTAL	.1	8.6	.9	54.2	.2	13.5	.2	9.7	.1	8.0	.1	4.9	.0	1.1	1.6 100
															11.6

BOR BRIDGEPORT, CT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 5 / NIGHT

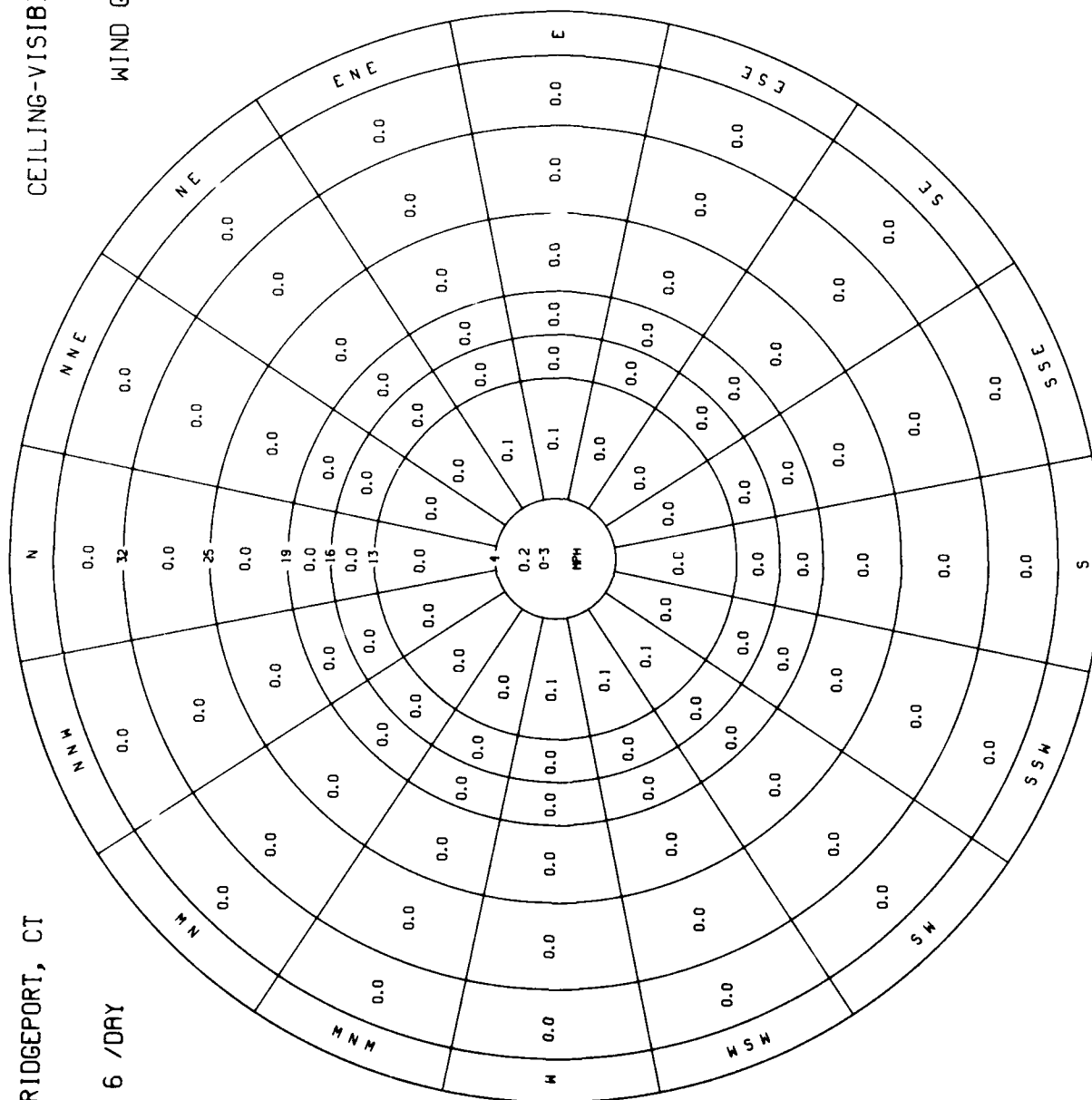
STATION NUMBER: 94702

NO. OBS.: 265

D I R	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	1.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.2
NNE	.0	.4	.0	1.9	.0	.0	.0	.0	.0	.8	.0	.0	.0	.4	.0	.0	3.4	14.2
NE	.0	.4	.0	3.8	.0	1.9	.0	.4	.0	.8	.0	.8	.0	.0	.0	.1	7.9	12.6
ENE	.0	1.1	.1	6.4	.0	3.4	.0	.0	.0	.4	.0	.8	.0	.0	.0	.1	12.1	11.0
E	.0	.0	.1	10.6	.0	2.6	.0	3.0	.0	1.5	.0	.4	.0	.0	.2	18.1	11.9	9.2
ESE	.0	.8	.0	3.8	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.1	5.7	6.0
SE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.9
SSE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	8.3
S	.0	.8	.0	2.6	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	4.9	10.2
SSW	.0	.4	.0	3.0	.0	.4	.0	.4	.0	.8	.0	.0	.0	.0	.0	.1	8.3	10.0
SW	.0	.4	.1	6.0	.0	.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.1	7.9	8.1
WSW	.0	.4	.1	6.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	7.5	8.0
W	.0	1.1	.1	5.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.2
WNW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.0
NW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	10.2
NNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	6.8	9.3
CALM	.1	6.8																
TOTAL	.1	14.7	.6	60.4	.1	10.9	.1	6.0	.1	5.7	.0	1.9	.0	.4	.9	100		

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 80R BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 94702

NO. OBS.: 341

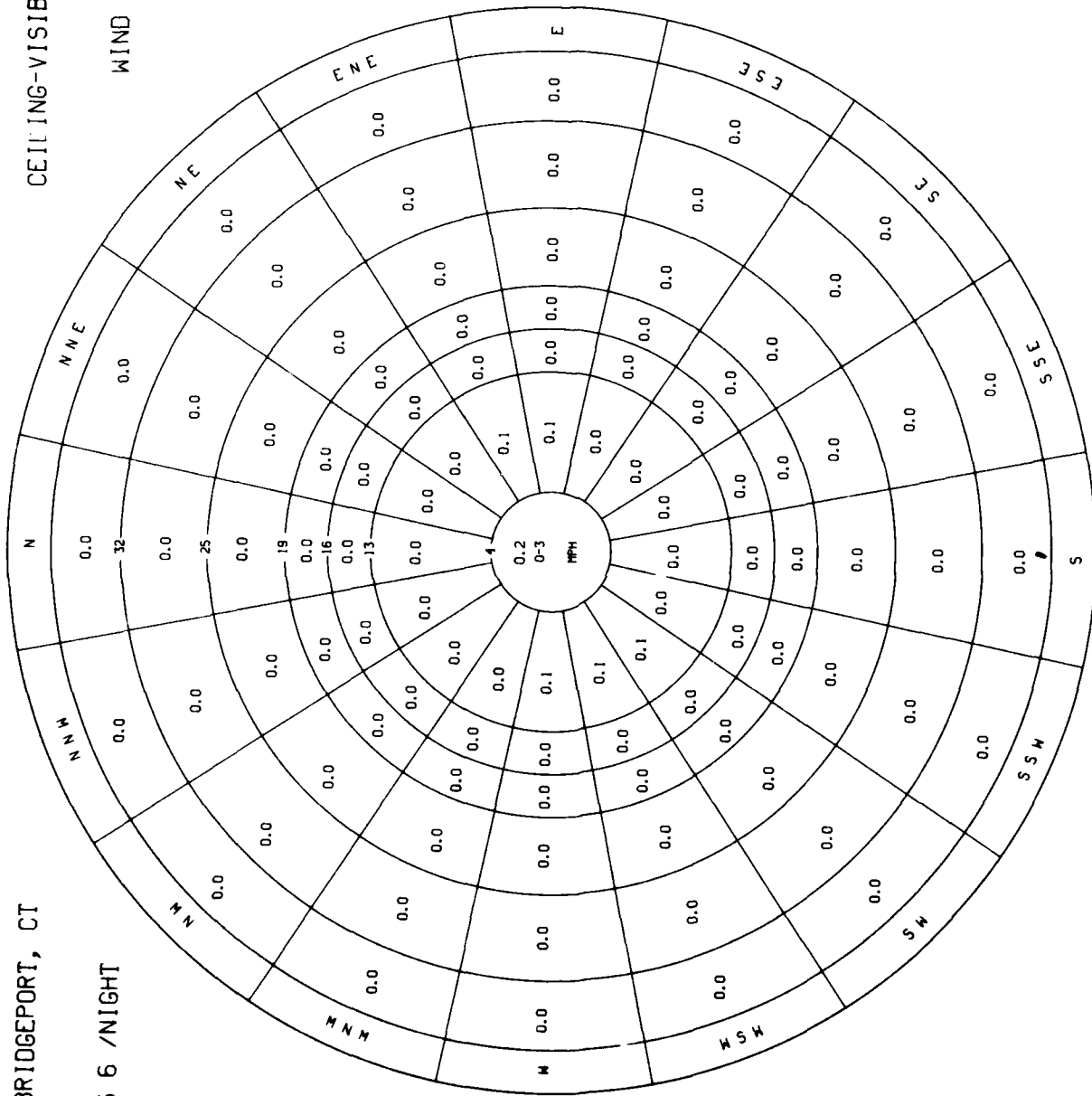
D I R	SPEED GROUPS (MPH)																					AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL							
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D						
N	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.3	.0	1.2	23.0				
NNE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	1.2	10.2				
NE	.0	1.2	.0	4.4	.0	.0	.0	.0	.0	.3	.0	.6	.0	.3	.1	6.7	9.4					
ENE	.0	.6	.1	10.0	.0	2.9	.0	1.2	.0	.9	.0	.6	.0	.0	.0	.2	16.1	11.3				
E	.0	1.8	.1	9.7	.0	3.5	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.2	18.5	10.7				
ESE	.0	.9	.0	4.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	7.4				
SE	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.1				
SSE	.0	.3	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.8				
S	.0	.9	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	7.5				
SSW	.0	.6	.0	3.8	.0	.6	.0	.3	.0	.0	.0	.3	.0	.0	.0	.1	5.6	9.4				
SW	.0	1.2	.1	6.5	.0	1.2	.0	.0	.0	.0	.0	.3	.0	.0	.0	.1	9.1	9.1				
WSW	.0	2.6	.1	5.6	.0	.6	.0	.6	.0	.6	.0	.0	.0	.0	.0	.1	10.0	8.2				
W	.0	.9	.1	5.3	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.1	7.6	8.4				
WNW	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.3				
NW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.5				
NNW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.3				
CALM	.0	5.0													.0	.0	5.0					
TOTAL	.2	17.6	.6	60.1	.1	11.1	.0	4.4	.0	3.8	.0	2.3	.0	.6	.1	10	100	8.9				

BDR BRIDGEPORT, CT

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDR BRIDGEPORT, CT

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 94702

NO. OBS.: 333

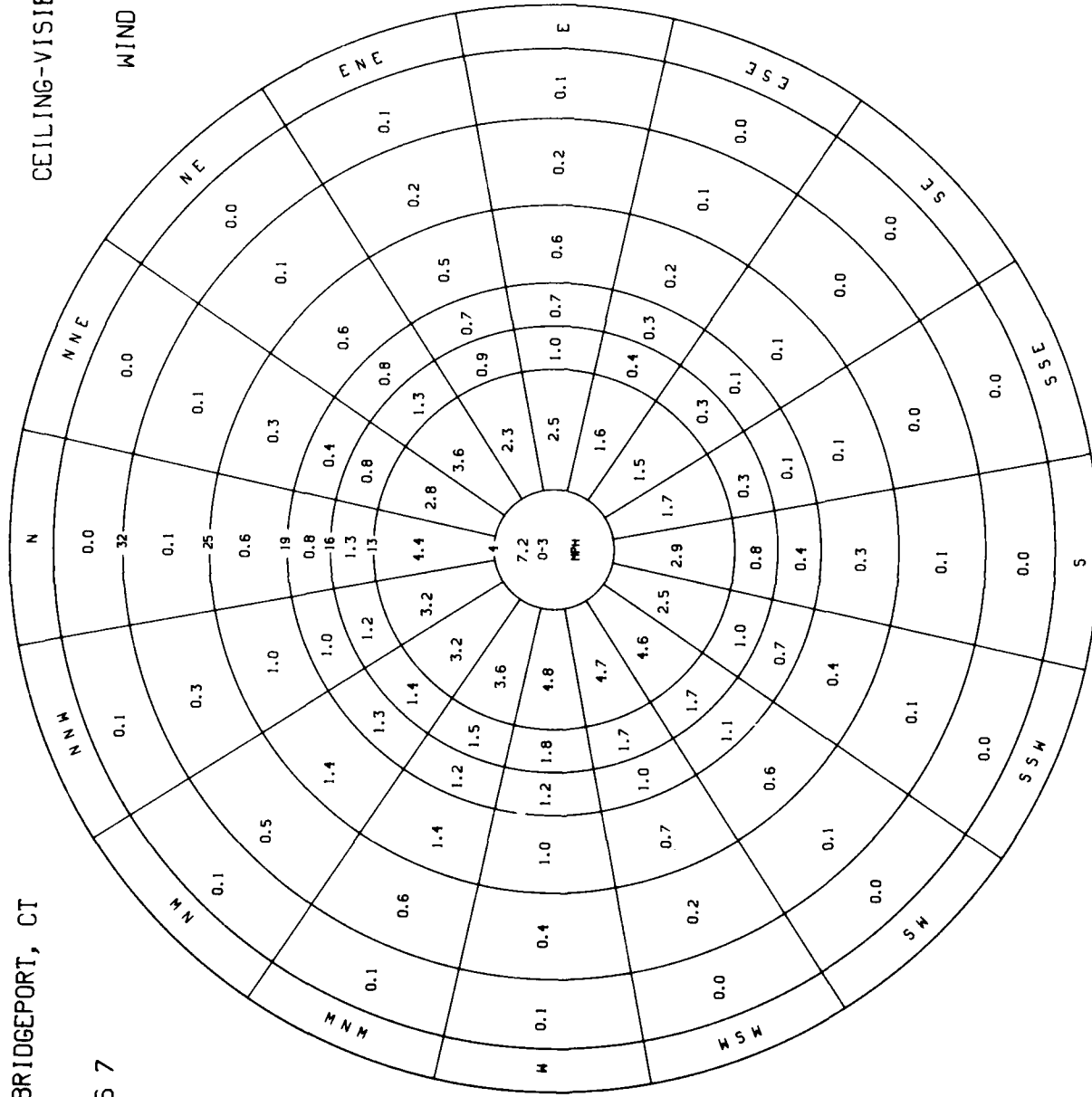
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	
NNE	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
NE	.0	2.1	.0	4.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.2	
ENE	.0	.6	.1	10.2	.0	2.1	.0	1.2	.0	.9	.0	.6	.0	.0	.2	15.6	
E	.0	.6	.1	8.1	.0	1.5	.0	1.5	.0	.3	.0	.0	.0	.0	.1	12.0	
ESE	.0	.9	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	
SE	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
SSE	.0	.9	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	
S	.0	.6	.0	2.7	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.0	4.2	
SSW	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	3.6	
SW	.0	.9	.1	6.3	.0	.6	.0	.9	.0	.3	.0	.0	.0	.0	.1	9.0	
WSW	.0	.3	.1	8.4	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.1	9.9	
W	.0	.9	.1	8.7	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.1	11.1	
WNW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
NW	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	
NNW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	
CALM	.1	8.1												.1	8.1		
TOTAL	.2	20.4	.7	64.0	.1	6.9	.1	5.1	.0	2.7	.0	.6	.0	.3	12	100	
																7.8	

BDR BRIDGEPORT, CT

CLASS 7

CEILING-VISIBILITY

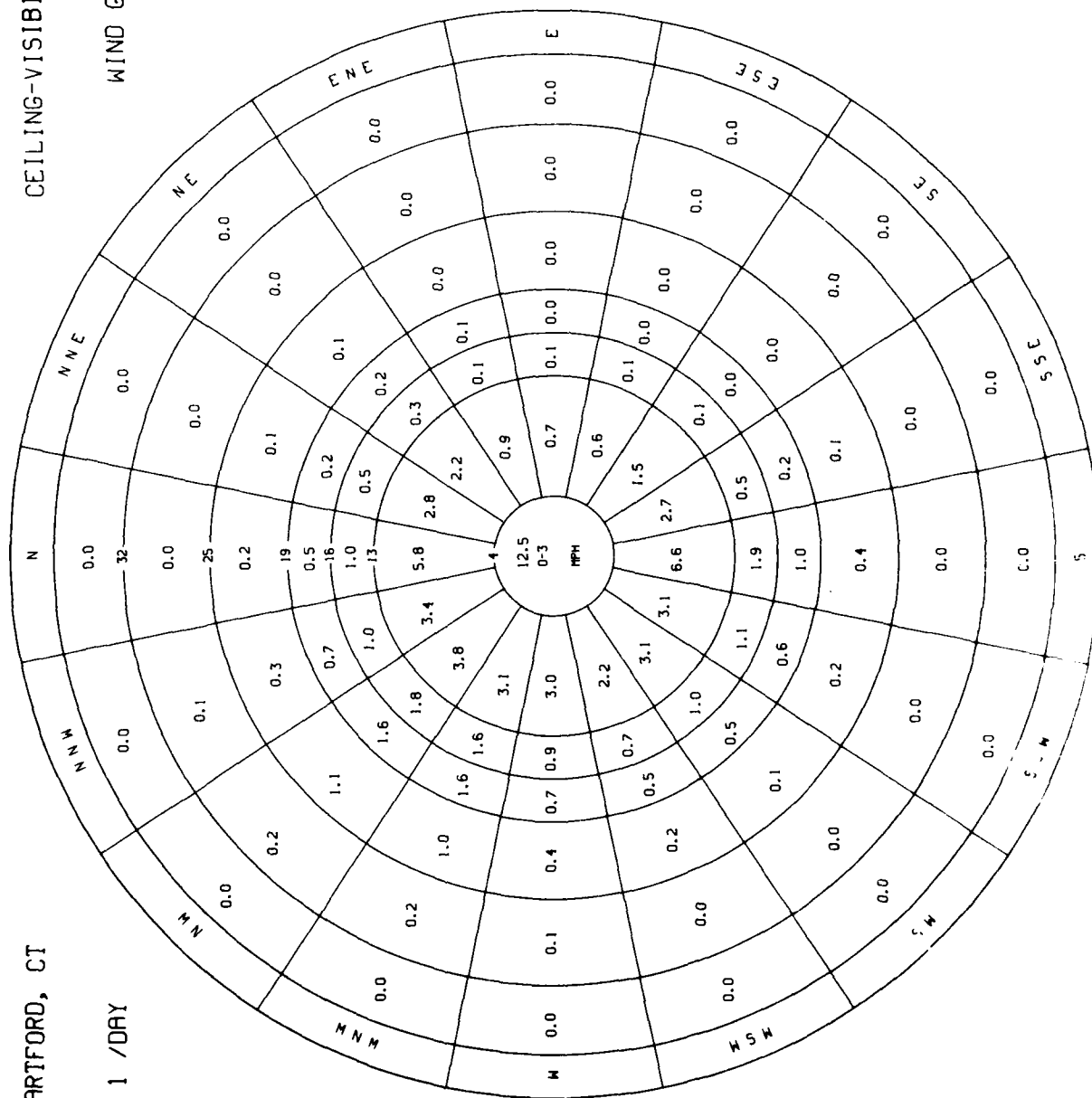
WIND GRAPH



BDL HARTFORD, CT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 14740

NO. OBS.: 42409

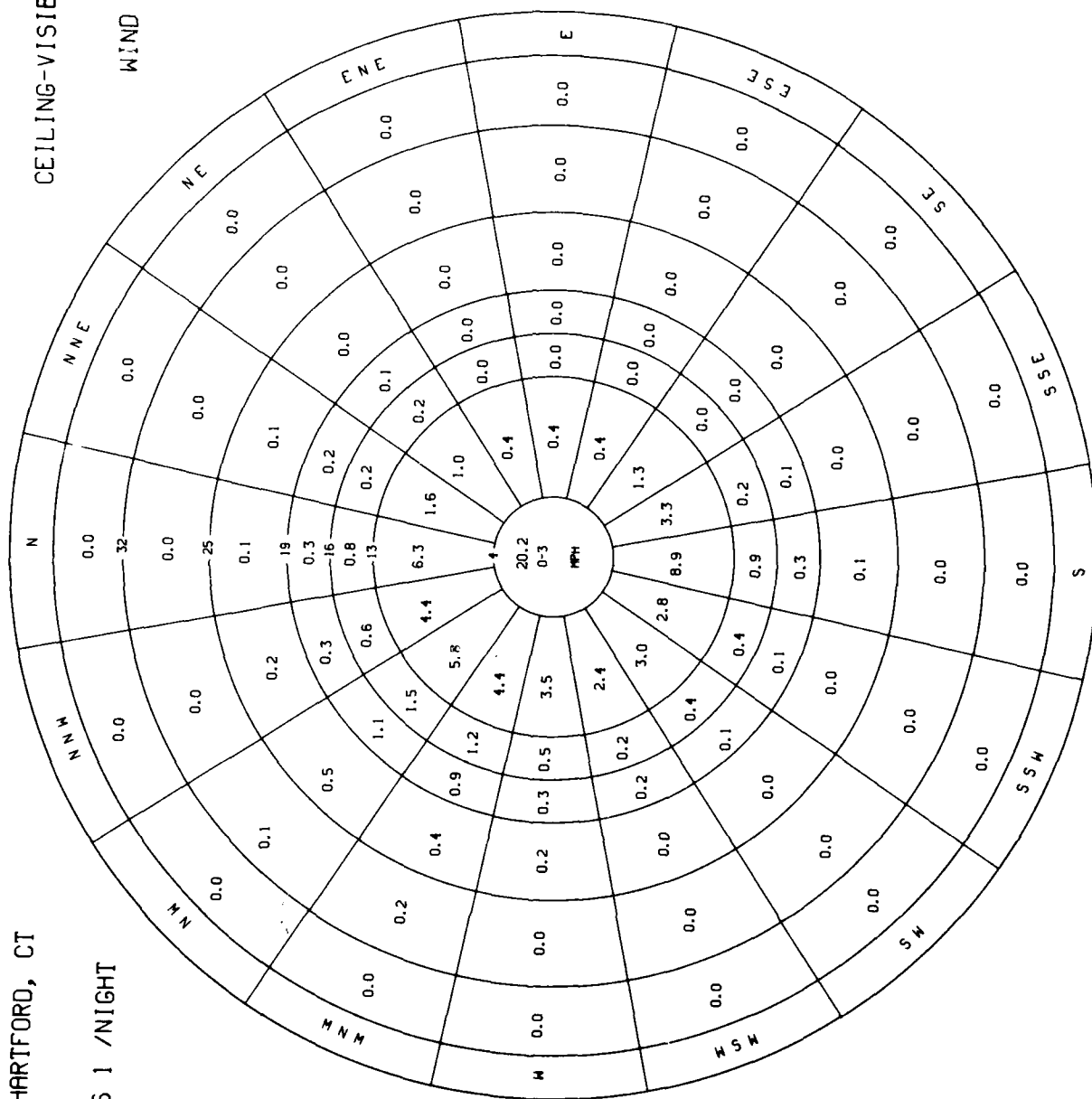
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.3	1.5	5.8	6.9	1.0	1.2	.5	.6	.2	.2	.0	.0	.0	.0	8.9	10.5	8.6
NNE	.7	.9	2.8	3.3	.5	.6	.2	.3	.1	.2	.0	.0	.0	.0	4.4	5.2	8.6
NE	.7	.9	2.2	2.6	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.5	4.2	7.8
ENE	.4	.4	.9	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.4	1.7	7.1
E	.4	.4	.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.4	6.7
ESE	.4	.4	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.3	6.3
SE	.6	.7	1.5	1.7	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.3	2.7	6.7
SSE	.6	.7	2.7	3.2	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.1	4.8	8.6
S	.9	1.0	6.6	7.9	1.9	2.3	1.0	1.2	.4	.5	.0	.0	.0	.0	10.9	12.9	10.2
SSW	.4	.5	3.1	3.7	1.1	1.3	.6	.7	.2	.2	.0	.0	.0	.0	5.5	6.5	10.6
SW	.5	.6	3.1	3.7	1.0	1.2	.5	.6	.1	.2	.0	.0	.0	.0	5.3	6.3	10.0
WSW	.5	.6	2.2	2.6	.7	.9	.5	.5	.2	.2	.0	.0	.0	.0	4.1	4.9	10.3
W	.7	.8	3.0	3.5	.9	1.1	.7	.8	.4	.5	.1	.1	.0	.0	5.7	6.8	10.8
WNW	.6	.7	3.1	3.7	1.6	1.9	1.6	1.9	1.0	1.2	.2	.3	.0	.0	8.1	9.7	13.2
NW	.7	.9	3.8	4.5	1.8	2.2	1.6	1.9	1.1	1.3	.2	.2	.0	.0	9.3	11.0	12.6
NNW	.7	.8	3.4	4.0	1.0	1.2	.7	.8	.3	.4	.1	.1	.0	.0	6.1	7.3	10.3
CALM	2.4	2.9													2.4	2.9	
TOTAL	12.5	14.8	45.6	54.1	12.7	15.0	8.5	10.1	4.2	5.0	.8	.9	.1	.1	84.4	100	9.8

BDL HARTFORD, CT

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: BDL HARTFORD, CT

CLASS 1 / NIGHT

NO. OBS.: 31170

STATION NUMBER: 14740

D I R	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	2.1	2.5	6.3	7.6	.8	.9	.3	.4	.1	.1	.0	.0	.0	.0	.0	9.6	11.5	7.5
NNE	.9	1.0	1.6	1.9	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	2.9	3.5	7.4
NE	.8	1.0	1.0	1.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.1	2.5	6.6
ENE	.3	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	5.5
E	.3	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	5.6
ESE	.3	.4	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0	5.5
SE	.8	1.0	1.3	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.5	5.2
SSE	.9	1.1	3.3	4.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	4.5	5.4	6.8
S	1.4	1.7	8.9	10.7	.9	1.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	11.6	13.9	8.0
SSW	.6	.7	2.8	3.4	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	4.0	4.8	8.3
SW	.7	.9	3.0	3.6	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	4.3	5.1	7.8
WSW	.9	1.1	2.4	2.9	.2	.3	.2	.2	.0	.1	.0	.0	.0	.0	.0	3.8	4.5	7.0
W	1.5	1.8	3.5	4.2	.5	.6	.3	.3	.2	.2	.0	.1	.0	.0	.0	6.0	7.2	7.7
WNW	1.4	1.7	4.4	5.3	1.2	1.4	.9	1.1	.4	.5	.2	.2	.0	.0	.0	8.6	10.3	9.9
NW	1.4	1.7	5.8	6.9	1.5	1.8	1.1	1.4	.5	.6	.1	.1	.0	.0	.0	10.4	12.5	10.0
NNW	1.2	1.5	4.4	5.2	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	.0	6.7	8.1	8.2
CALM	4.6	5.5														4.6	5.5	
TOTAL	20.2	24.2	49.9	59.8	7.1	8.6	4.0	4.8	1.7	2.1	.4	.5	.0	.0	.0	83.4	100	7.6

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 2 / DAY

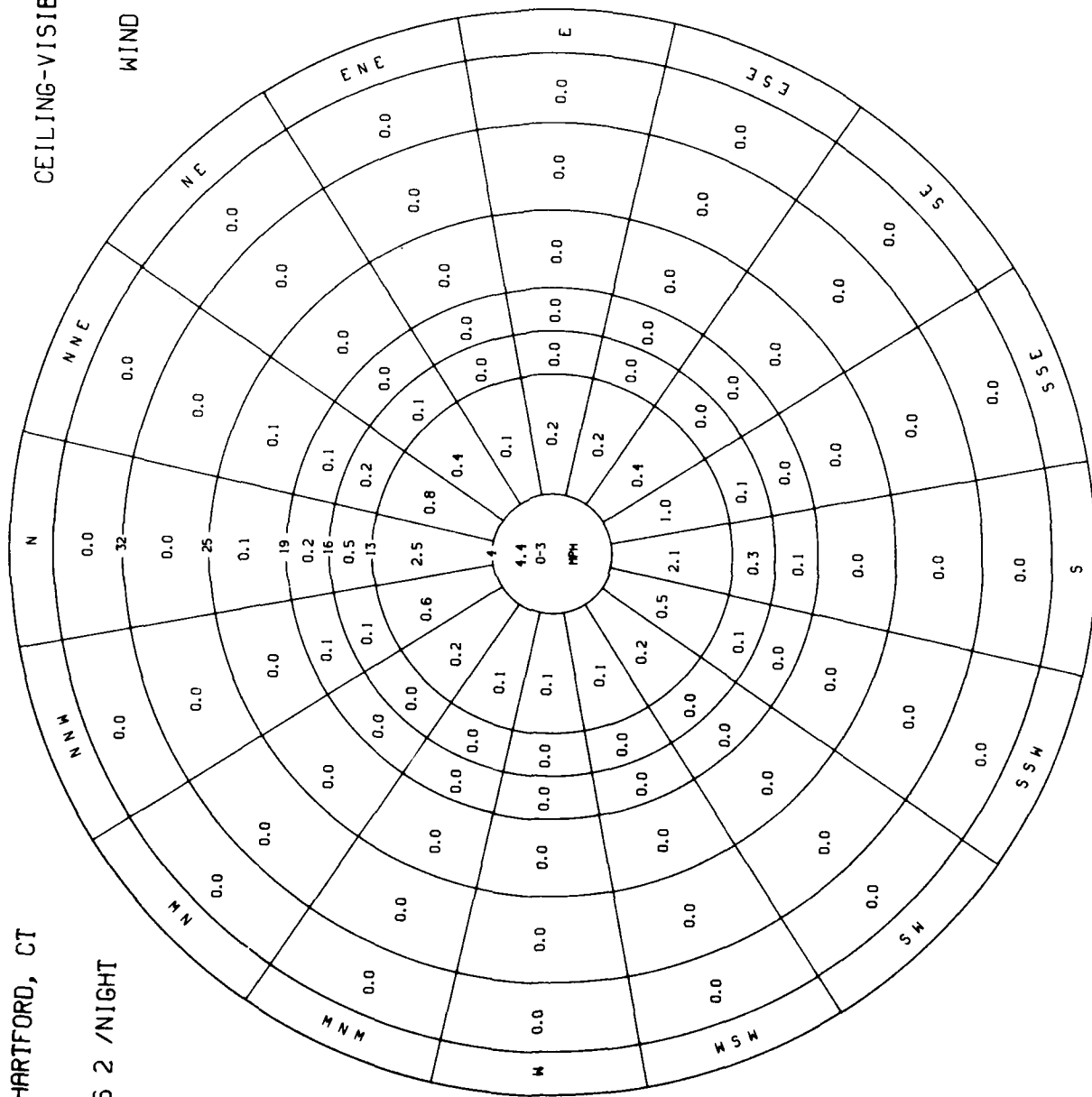
STATION NUMBER: 14740

NO. OBS.: 7867

D I R	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	2.5	2.2	14.1	.4	2.8	.2	1.4	.1	.6	.0	.2	.0	.0	.3	4	21.6	9.3	
NNE	.3	1.6	.8	5.3	.2	1.1	.1	.6	.1	.4	.0	.1	.0	.0	.0	1	4	9.2	9.1
NE	.2	1.5	.5	3.0	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.9	5.5	7.9	
ENE	.1	.6	.2	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	2.1	7.5	
E	.1	.7	.2	1.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	1.9	6.8	
ESE	.1	.8	.2	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	2.2	6.3	
SE	.2	1.3	.4	2.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.7	4.3	6.6	
SSE	.2	1.4	.9	5.5	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.2	7.9	7.8	
S	.2	1.6	2.1	13.5	.4	2.3	.1	.8	.1	.3	.0	.1	.0	.0	.0	2.9	18.6	9.1	
SSW	.1	.7	.5	3.4	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	5.2	9.1	
SW	.1	.9	.3	2.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	3.3	7.1	
WSW	.1	.6	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.4	6.1	
W	.1	.7	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	5.2	
WNW	.1	.6	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	2.1	5.9	
NW	.2	1.0	.2	1.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	2.7	6.5	
NNW	.2	1.3	.6	3.9	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	1.0	6.4	8.2	
CALM	.8	5.2													.8	5.2			
TOTAL	3.6	22.7	9.4	60.0	1.5	9.9	.7	4.5	.4	2.3	.1	.5	.0	.1	15.6	100		7.9	

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14740

NO. OBS.: 6208

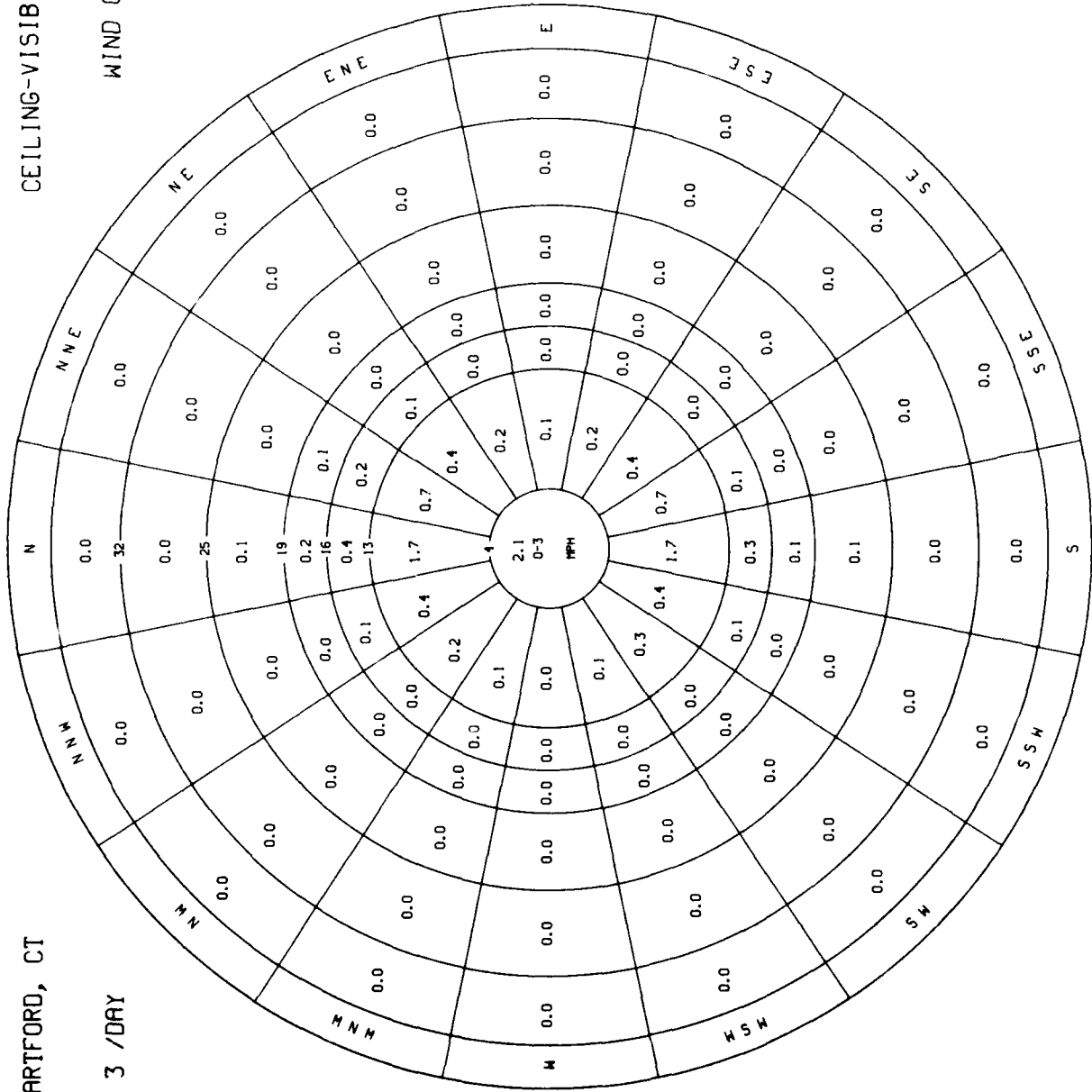
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																	TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.5	3.2	2.5	15.2	.5	3.0	.2	1.2	.1	.6	.0	.1	.0	.0	3.9	23.3	8.9
NNE	.2	1.4	.8	4.6	.2	1.1	.1	.6	.1	.5	.0	.2	.0	.0	1.4	8.5	9.7
NE	.2	1.2	.4	2.7	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.8	5.0	8.8
ENE	.1	.5	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.6	7.2
E	.1	.7	.2	.9	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.8	6.6
ESE	.1	.6	.2	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.7	6.0
SE	.2	1.4	.4	2.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.2	5.9
SSE	.3	1.7	1.0	5.8	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	1.4	8.5	7.4
S	.4	2.4	2.1	12.7	.3	1.7	.1	.7	.0	.3	.0	.0	.0	.0	3.0	17.8	8.4
SSW	.1	.7	.5	3.0	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.8	4.6	9.1
SW	.1	.6	.2	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.4	7.3
WSW	.1	.6	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	5.1
W	.1	.8	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	4.9
WNW	.2	1.0	.1	.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.9	5.8
NW	.2	1.2	.2	1.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.1	6.5
NNW	.2	1.4	.6	3.9	.1	.6	.1	.4	.0	.2	.0	.0	.0	.0	1.1	6.4	8.2
CALM	1.1	6.7													1.1	6.7	
TOTAL	4.4	26.2	9.6	57.8	1.4	8.7	.7	4.3	.4	2.3	.1	.5	.0	.1	16.6	100	7.6

BOL HARTFORD, CT

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 3 / DAY

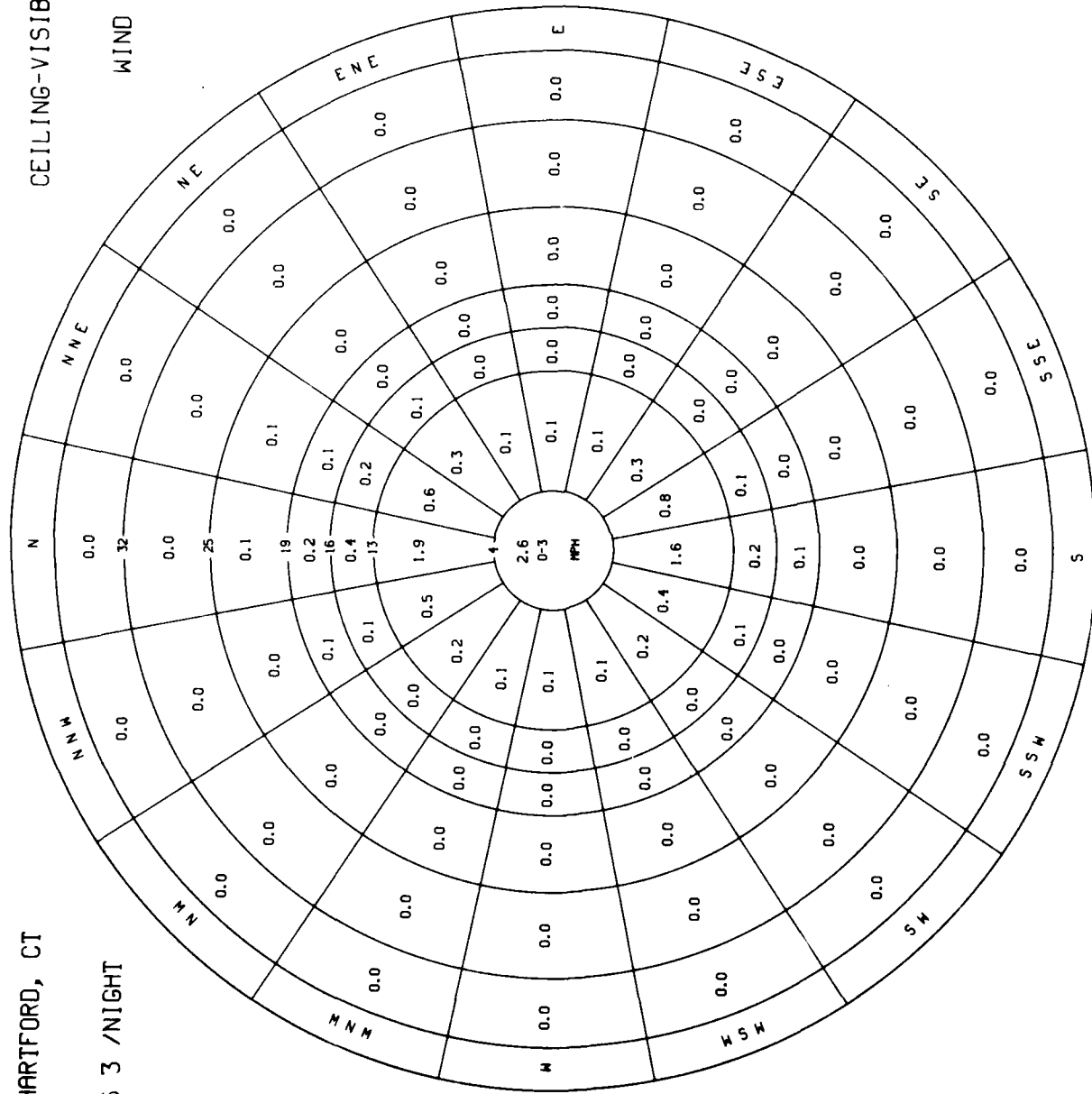
STATION NUMBER: 14740

NO. OBS.: 5969

D I R	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	2.2	1.7	14.2	.4	3.3	.2	1.5	.1	.4	.0	.1	.0	.0	2.6	21.8	9.5
NNE	.2	1.3	.7	5.6	.2	1.3	.1	.7	.0	.4	.0	.0	.0	.0	1.1	9.3	9.5
NE	.1	1.1	.4	3.1	.1	.7	.0	.3	.0	.2	.0	.0	.0	.1	.6	5.4	8.5
ENE	.1	.5	.2	1.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.2	8.0
E	.1	.6	.1	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.1	7.4
ESE	.1	.7	.2	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.4	6.9
SE	.2	1.3	.4	3.0	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.6	4.8	6.9
SSE	.1	1.1	.7	5.8	.1	.8	.0	.4	.0	.2	.0	.0	.0	.0	1.0	8.2	8.3
S	.2	1.3	1.7	14.0	.3	2.7	.1	1.0	.1	.4	.0	.1	.0	.0	2.3	19.6	9.5
SSW	.1	.5	.4	3.8	.1	.8	.0	.2	.0	.2	.0	.0	.0	.0	.7	5.6	9.6
SW	.1	.7	.3	2.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.4	7.7
WSW	.1	.5	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.4	7.0
W	.1	.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	5.5
WNW	.1	.5	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	6.5
NW	.1	.8	.2	1.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.4	7.1
NNW	.1	.9	.4	3.8	.1	.8	.0	.4	.0	.1	.0	.0	.0	.0	.7	6.0	8.7
CALM	.4	3.3													.4	3.3	
TOTAL	2.1	17.8	7.4	62.5	1.4	11.6	.6	5.2	.3	2.4	.0	.4	.0	.1	11.9	100	8.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 14740

NO. OBS.: 4548

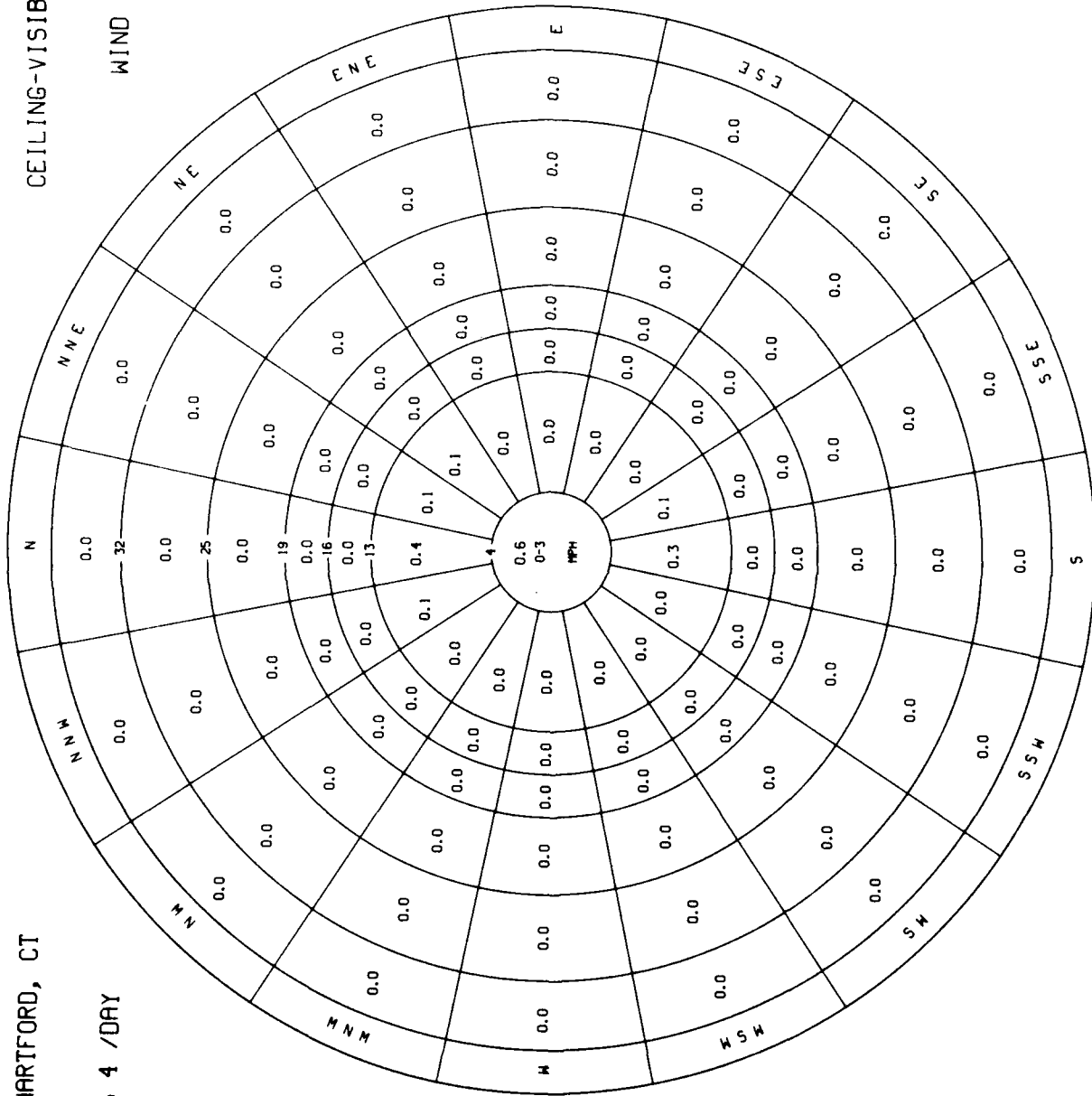
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.3	2.6	1.9	15.5	.4	3.5	.2	1.5	.1	.6	.0	.0	.0	.0	2.9	23.8	9.3
NNE	.1	1.1	.6	4.8	.2	1.3	.1	.7	.1	.6	.0	.1	.0	.0	1.1	8.7	10.1
NE	.1	1.0	.3	2.8	.1	.6	.0	.4	.0	.2	.0	.1	.0	.1	.6	5.1	9.4
ENE	.1	.5	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.8	7.8
E	.1	.6	.1	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.9	7.0
ESE	.1	.6	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.9	6.3
SE	.1	1.1	.3	2.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0	6.4
SSE	.2	1.6	.8	6.3	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	1.1	8.9	7.7
S	.2	2.0	1.6	12.9	.2	1.9	.1	.8	.0	.3	.0	.0	.0	.0	2.2	17.9	8.8
SSW	.1	.5	.4	3.1	.1	.6	.0	.2	.0	.3	.0	.0	.0	.0	.6	4.8	9.9
SW	.1	.5	.2	1.6	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.6	7.9
WSW	.1	.5	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	5.8
W	.1	.6	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	5.5
WNW	.1	.8	.1	.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.7	6.7
NW	.1	1.1	.2	1.5	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.1	7.3
NNW	.1	1.1	.5	4.1	.1	.7	.1	.5	.0	.2	.0	.0	.0	.0	.8	6.6	8.7
CALM	.6	4.9													.6	4.9	
TOTAL	2.6	21.2	7.3	60.1	1.3	10.4	.6	5.1	.3	2.7	.1	.5	.0	.1	12.2	100	8.2

BDL HARTFORD, CT

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 4 / DAY

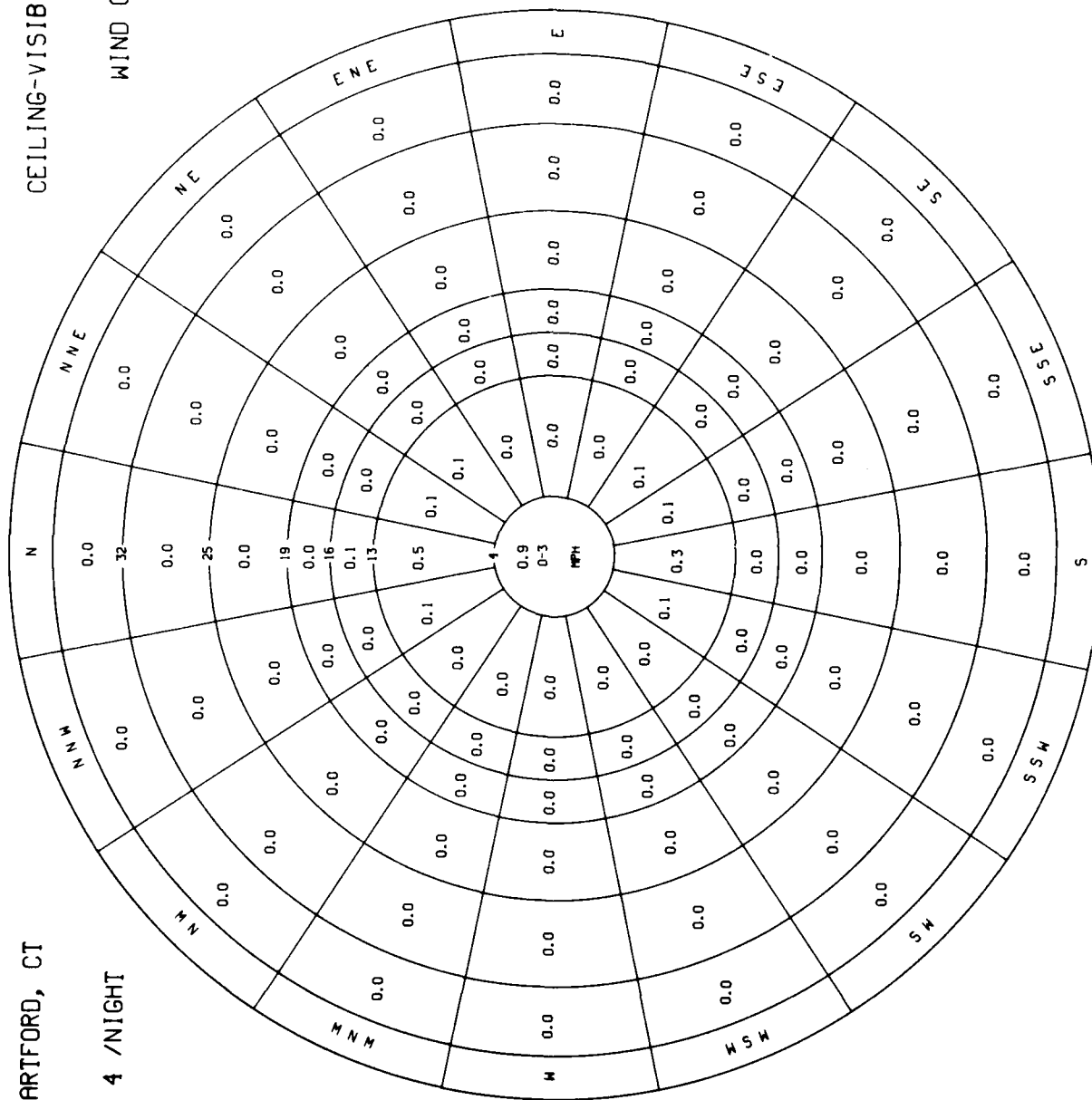
STATION NUMBER: 14740

NO. OBS.: 1189

D I R	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
N	.1	2.7	.4	17.7	.0	1.6	.0	1.3	.0	1.3	.0	.1	.0	.0	.6	24.8	8.7
NNE	.0	2.1	.1	5.9	.0	.7	.0	.4	.0	.3	.0	.1	.0	.0	.2	9.5	7.9
NE	.0	1.4	.1	3.4	.0	.6	.0	.3	.0	.1	.0	.0	.0	.0	.1	5.8	7.4
ENE	.0	.8	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.3
E	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.0
ESE	.0	1.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.2	3.9
SE	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	4.9
SSE	.0	1.6	.1	5.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.5	6.3
S	.0	1.9	.3	13.4	.0	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.4	16.7	7.7
SSW	.0	.6	.0	1.9	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.3	8.3
SW	.0	1.4	.0	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.7	5.4
WSW	.0	.3	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.1
W	.0	.8	.0	.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.4	5.4
WNW	.0	.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.9
NW	.0	1.7	.0	1.4	.0	.1	.0	.2	.0	.0	.0	.1	.0	.0	.1	3.4	6.0
NNW	.0	1.3	.1	5.4	.0	.4	.0	.5	.0	.1	.0	.0	.0	.0	.2	7.7	7.8
CALM	.2	6.6													.2	6.6	
TOTAL	.6	27.2	1.5	61.7	.1	5.6	.1	3.2	.0	2.0	.0	.3	.0	.0	.2	4	100
																	6.9

BDL HARTFORD, CT

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 4 / NIGHT

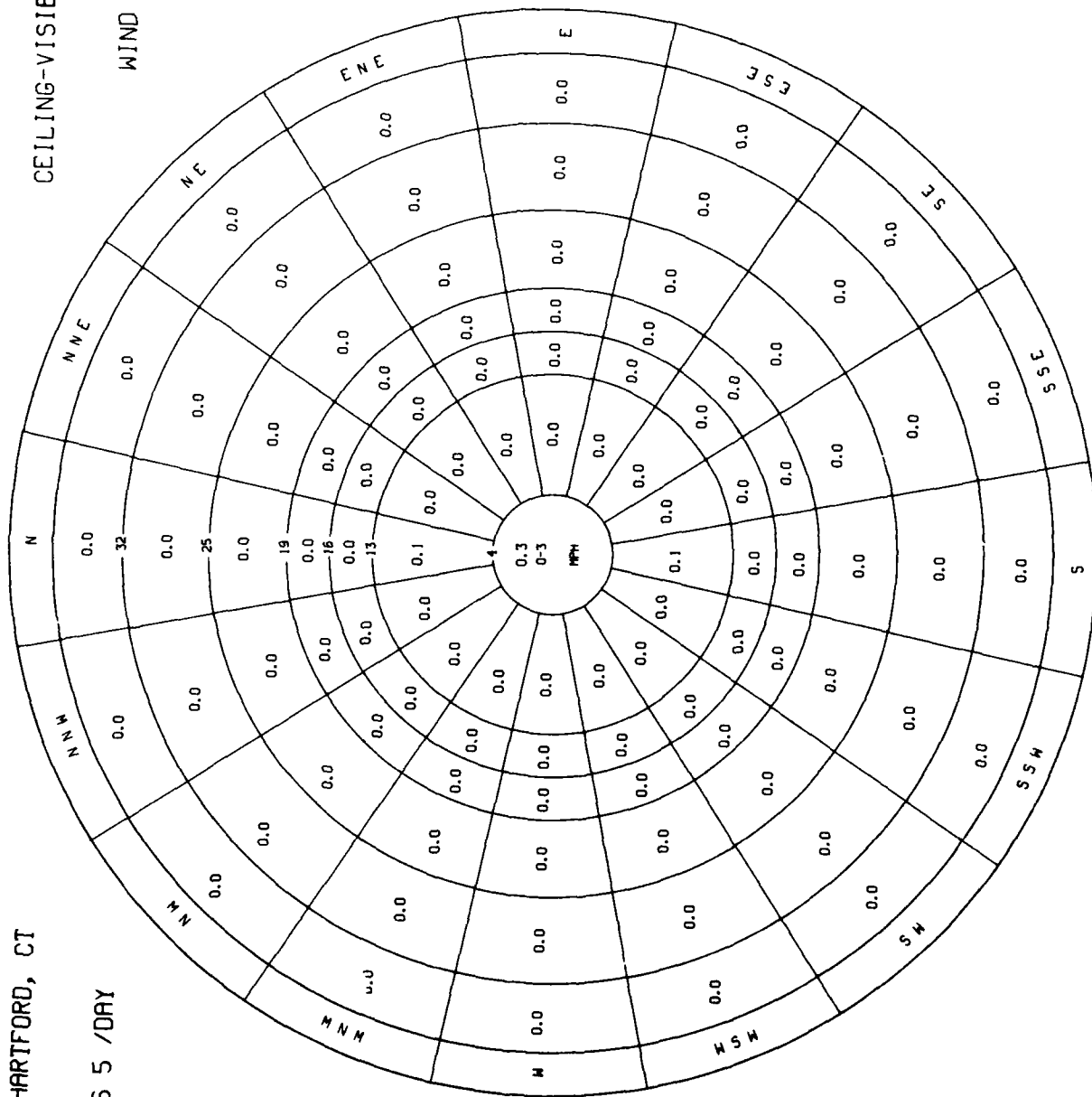
STATION NUMBER: 14740

NO. OBS.: 1053

D I R	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	4.6	.5	18.1	.1	2.2	.0	.8	.0	.7	.0	.3	.0	.0	.7	26.6	8.0
NNE	.1	2.0	.1	5.3	.0	.7	.0	.7	.0	.3	.0	.5	.0	.0	.3	9.4	9.0
NE	.0	1.7	.1	3.2	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1	5.3	6.7
ENE	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.9
E	.0	.7	.0	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.5	6.1
ESE	.0	.5	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.5
SE	.1	2.0	.1	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	5.2
SSE	.0	1.5	.1	4.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.2	6.5	6.7
S	.1	2.6	.3	12.1	.0	1.4	.0	.3	.0	.1	.0	.0	.0	.0	.5	16.4	7.7
SSW	.0	.9	.1	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	6.4
SW	.0	.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.4
WSW	.0	.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.3
W	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.8
WNW	.0	1.5	.0	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.5	4.8
NW	.0	1.4	.0	1.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.8	4.6
NNW	.1	1.9	.1	4.3	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.2	6.7	6.7
CALM	.2	7.2															
TOTAL	.9	31.3	1.7	59.0	.1	5.0	.1	2.7	.0	1.2	.0	.8	.0	.0	.2	7.2	6.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 5 / DAY

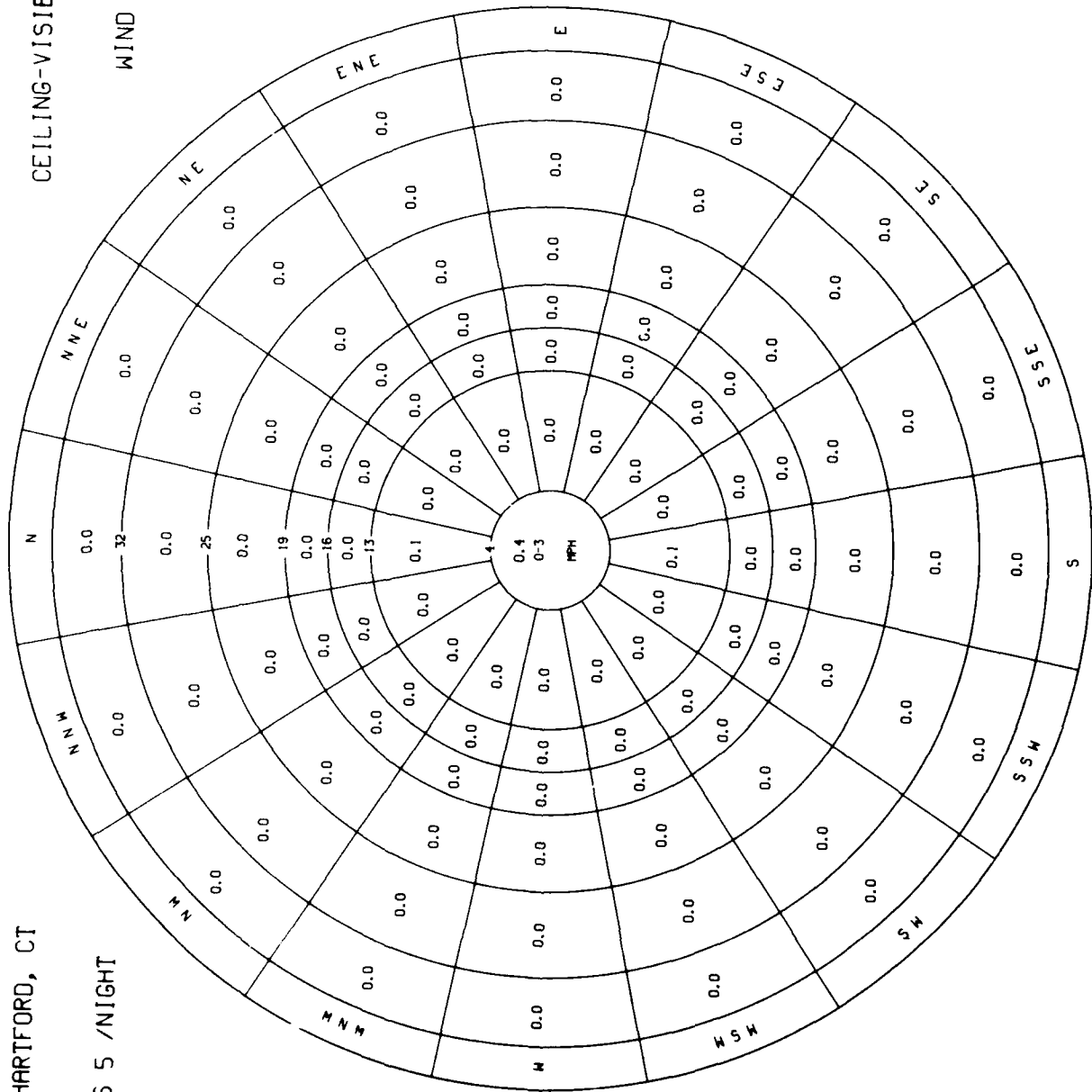
STATION NUMBER: 14740

NO. OBS.: 304

D I R	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	9.2	.0	2.0	.0	2.0	.0	2.0	.0	1.6	.0	.0	.1	18.4
NNE	.0	3.0	.0	3.0	.0	.3	.0	.3	.0	1.0	.0	.3	.0	.3	.0	8.2
NE	.0	1.6	.0	1.0	.0	.3	.0	.3	.0	.0	.0	.3	.0	.0	.0	3.6
ENE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
E	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
ESE	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SE	.0	2.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
SSE	.0	3.3	.0	3.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
S	.0	3.3	.1	10.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2
SSW	.0	1.6	.0	2.6	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	14.5
SW	.0	2.0	.0	1.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
WSW	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
W	.0	1.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6
WNW	.0	.7	.0	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.3
NW	.0	1.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.3
NNW	.0	3.3	.0	4.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.0
CALM	.1	14.1												.1	8.9	
TOTAL	.3	44.1	.3	41.4	.0	4.3	.0	3.3	.0	3.9	.0	2.6	.0	.3	.6	100
																6.6

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 14740

NO. OBS.: 272

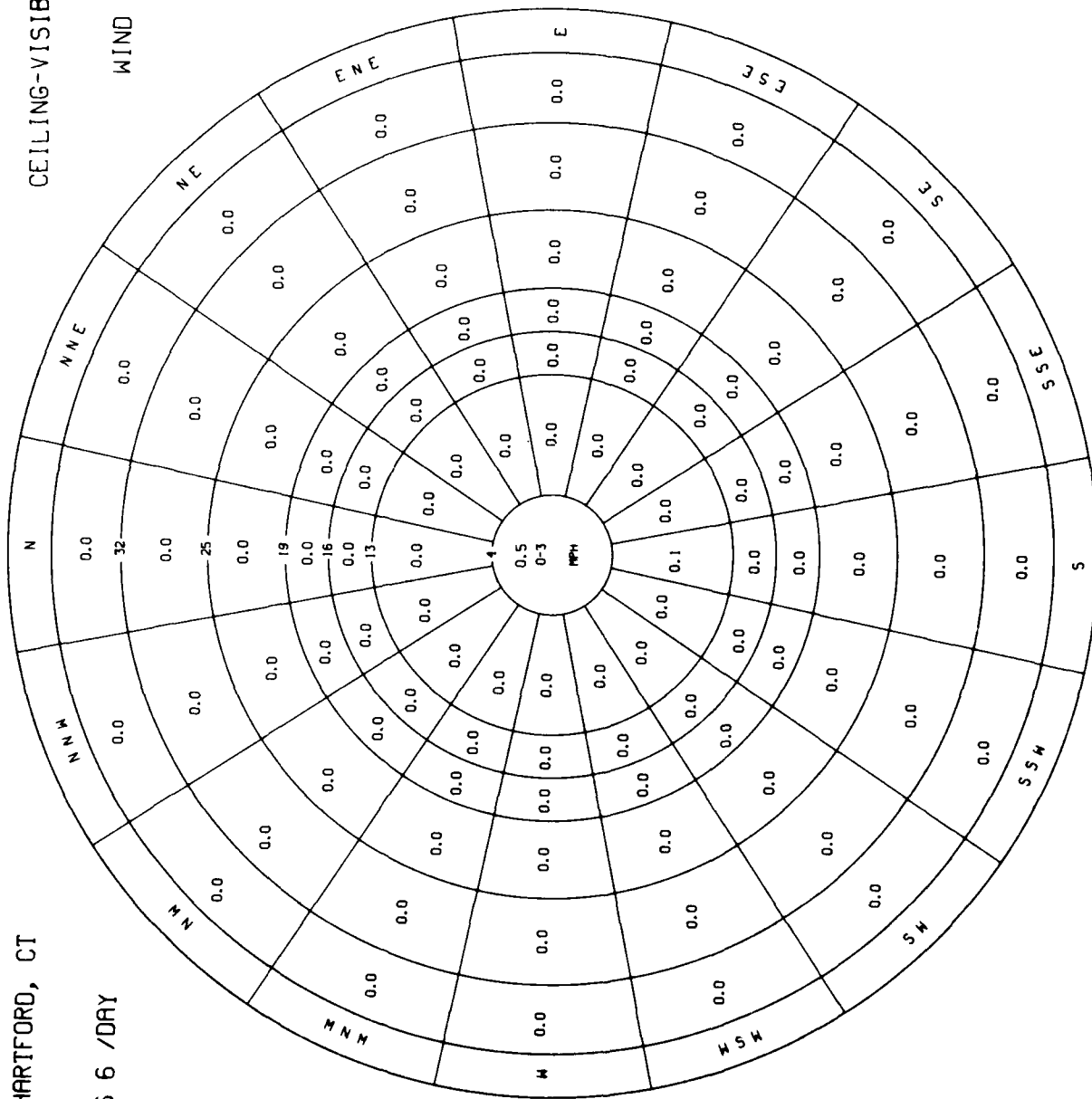
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	5.9	.1	7.4	.0	.4	.0	.7	.0	1.1	.0	.7	.0	.4	.1 16.5
NNE	.0	2.2	.0	2.6	.0	.0	.0	.4	.0	.7	.0	.4	.0	.4	.0 6.6
NNE	.0	1.1	.0	.4	.0	.0	.0	.4	.0	.4	.0	.4	.0	.0	.0 2.6
ENE	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
E	.0	1.8	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
ESE	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
SE	.0	1.8	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
SSE	.0	1.8	.0	4.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
S	.0	3.7	.1	13.6	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.1 18.4
SSW	.0	1.8	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
SW	.0	1.5	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
WSW	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
W	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
WNW	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
NW	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
NNW	.0	2.6	.0	2.2	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0 5.5
CALM	.1	18.4													.1 18.4
TOTAL	.4	48.9	.3	41.5	.0	2.2	.0	2.6	.0	2.6	.0	1.5	.0	.7	.7 100
															5.7

BDL HARTFORD, CT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BDL HARTFORD, CT

PERIOD: 1949-1978

CLASS 6 / DAY

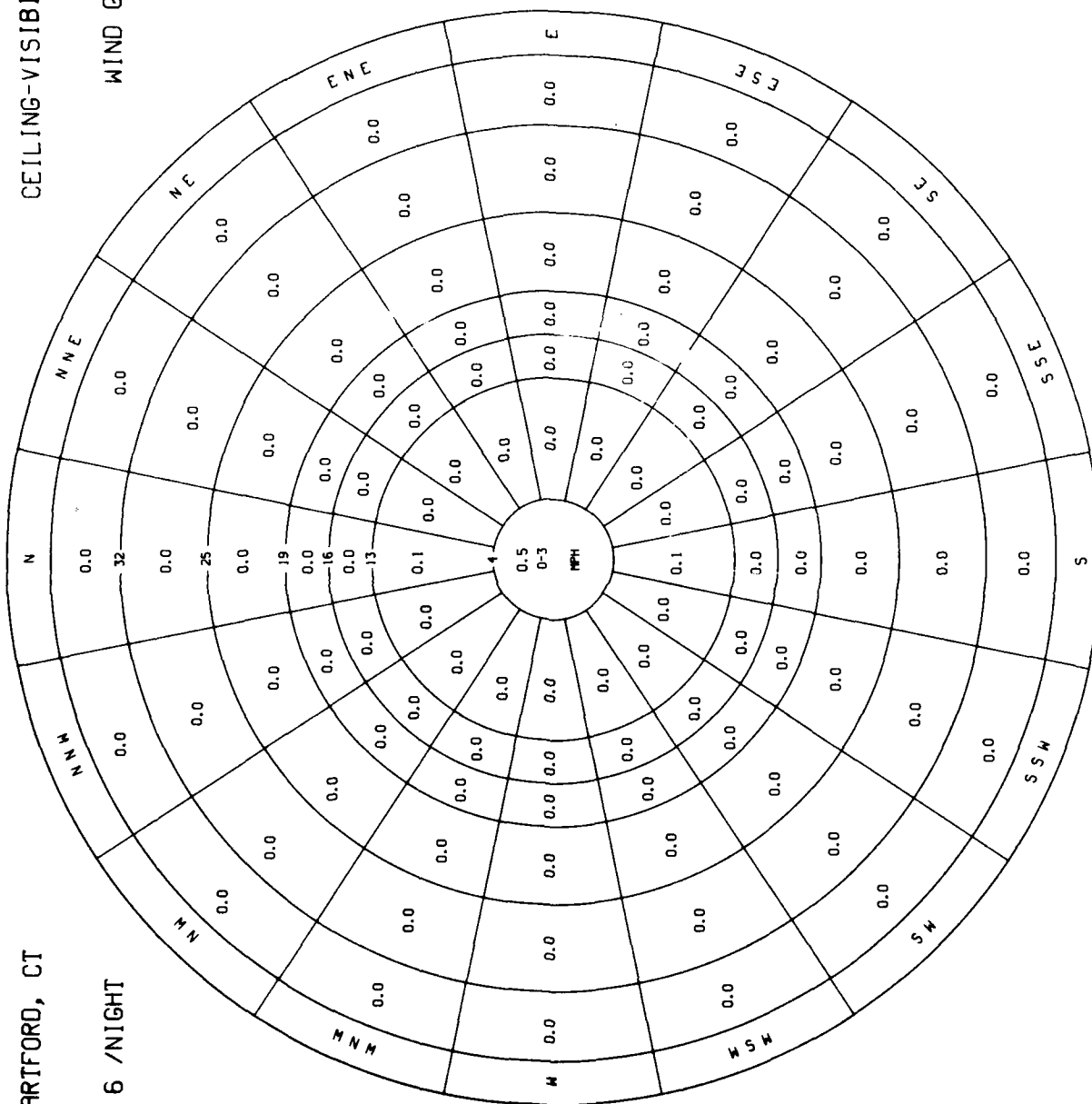
STATION NUMBER: 14740

NO. OBS.: 405

D I R	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	
N	.0	5.9	.0	4.9	.0	.0	.0	.0	.0	.5	.0	.7	.0	.0	.1 12.1
NNE	.0	3.5	.0	1.7	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0 6.2
NE	.1	6.4	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.1
ENE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
E	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
ESE	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SE	.0	.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
SSE	.0	2.7	.0	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.7
S	.0	3.5	.1	7.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.9
SSW	.0	2.5	.0	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
SW	.0	1.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
WSW	.0	2.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
W	.0	2.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
WNW	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NW	.0	3.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.9
NNW	.0	5.2	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.4
CALM	.2	21.2													.2 21.2
TOTAL	.5	64.9	.3	31.1	.0	1.7	.0	.0	.0	1.5	.0	.7	.0	.0	.8 100
															3.9

CEILING-VISIBILITY

WIND GRAPH



BOL HARTFORD, CT

CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: BDL HARTFORD, CT

CLASS 6 / NIGHT

NO. OBS.: 335

STATION NUMBER: 14740

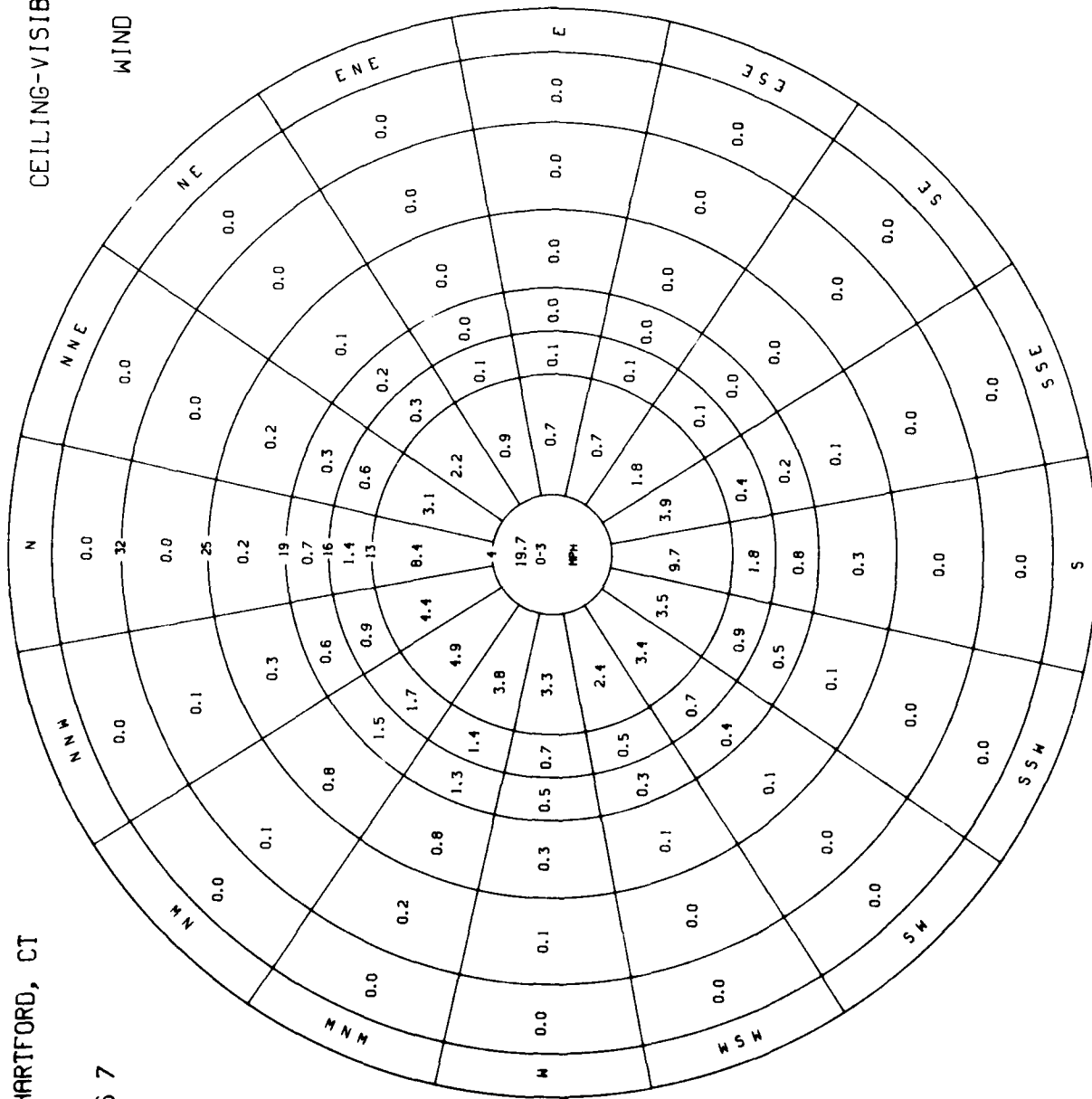
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	4.8	.1	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.9
NNE	.0	3.0	.0	1.2	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 4.5
NE	.0	2.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
ENE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
E	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
ESE	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SE	.0	3.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
SSE	.0	3.6	.0	3.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.8
S	.1	7.2	.1	11.0	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.2 20.3
SSW	.0	1.5	.0	3.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0 5.1
SW	.0	.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
WSW	.0	1.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
W	.0	2.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.6
WNW	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
NW	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
NNW	.0	2.4	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
CALM	.2	20.3													.2 20.3
TOTAL	.5	60.3	.3	36.1	.0	2.4	.0	.6	.0	.6	.0	.0	.0	.0	.9 100

BOL HARTFORD, CT

CLASS 7

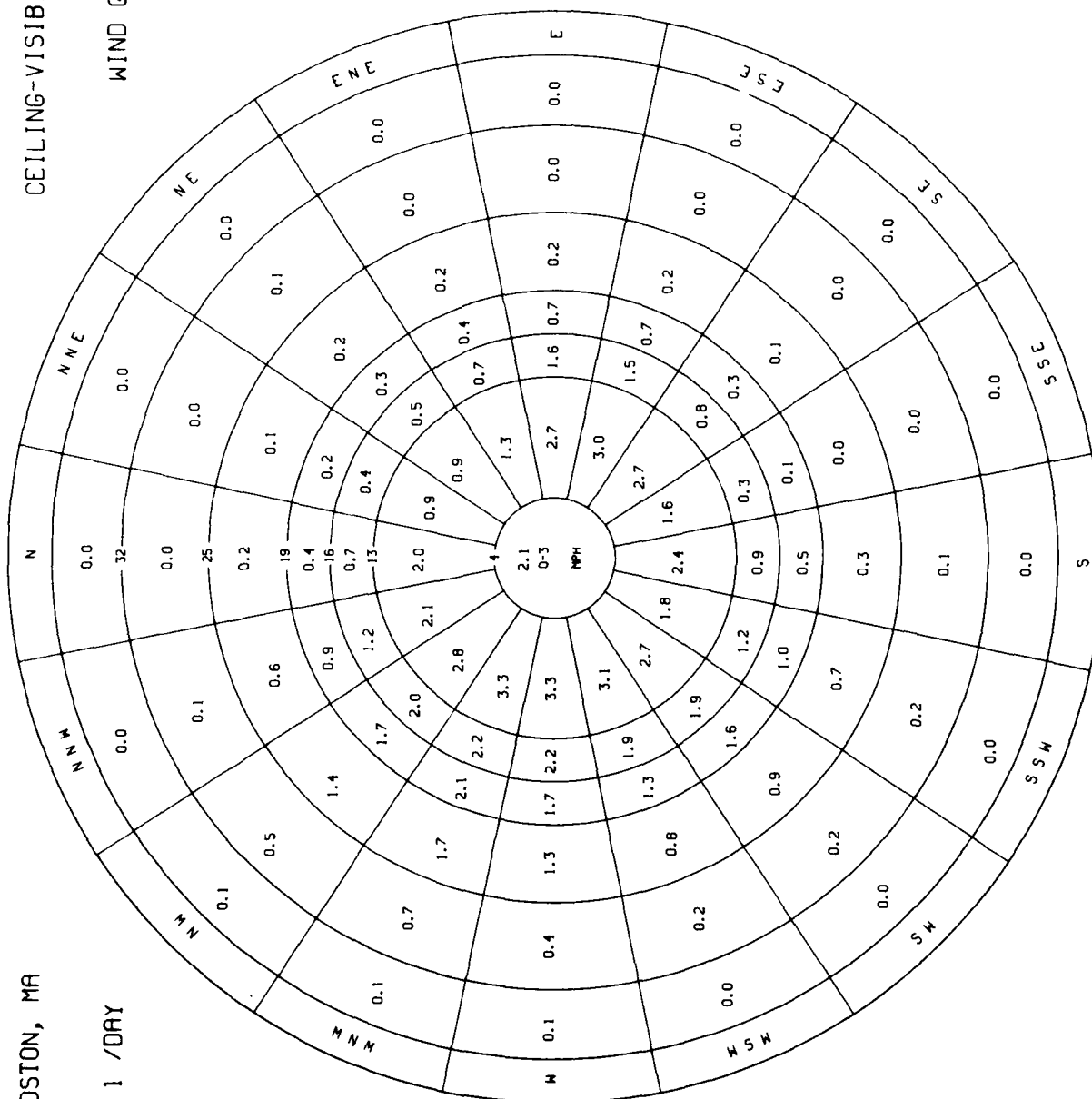
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14739

NO. OBS.: 43747

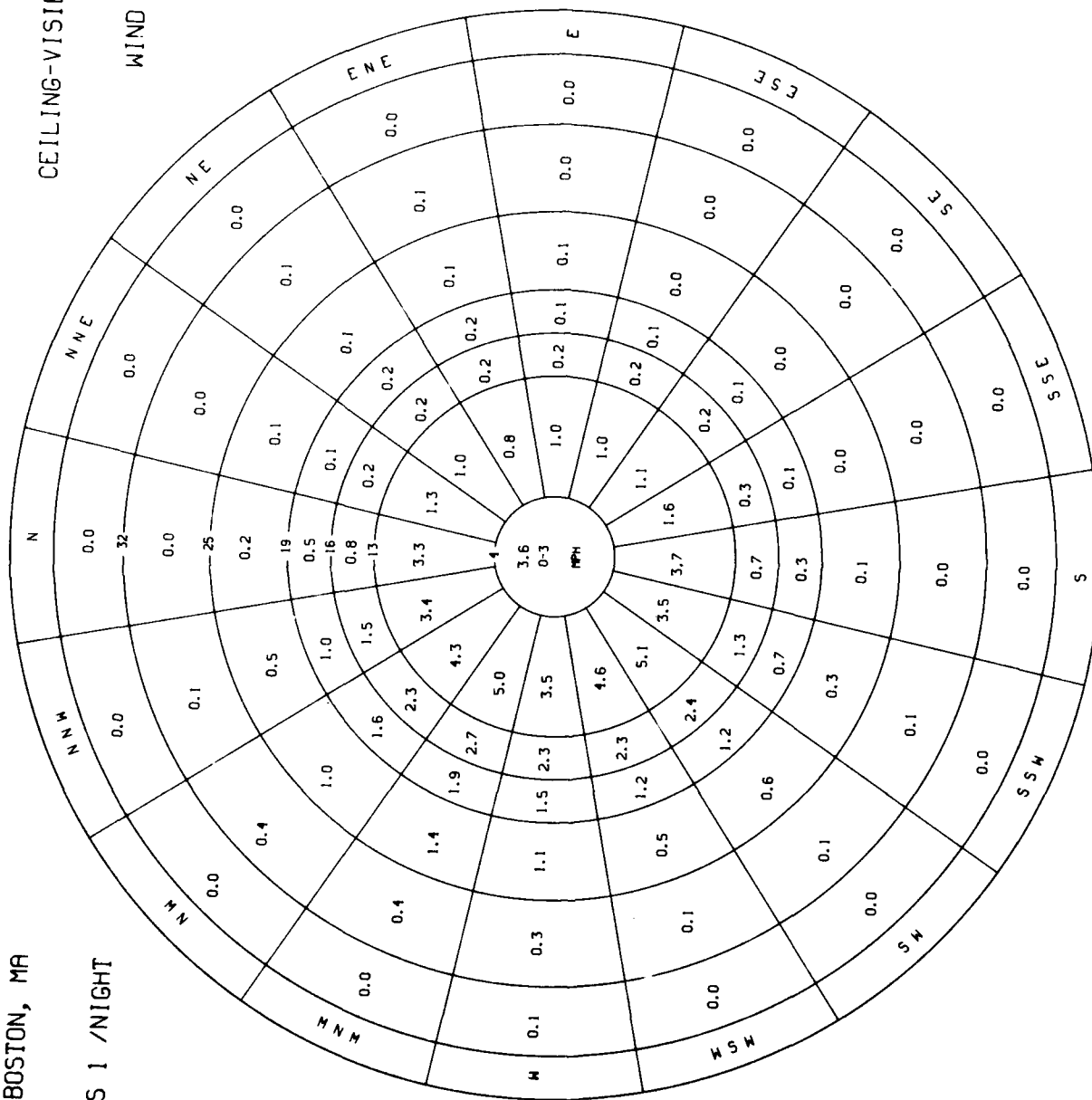
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	2.0	2.4	.7	.9	.4	.5	.2	.2	.0	.1	.0	.0	3.5	4.2	11.2
NNE	.1	.1	.9	1.1	.4	.4	.2	.2	.1	.2	.0	.1	.0	.0	1.8	2.1	12.0
NE	.1	.1	.9	1.1	.5	.5	.3	.4	.2	.3	.1	.1	.0	.0	2.1	2.5	13.0
ENE	.1	.1	1.3	1.5	.7	.8	.4	.5	.2	.2	.0	.1	.0	.0	2.7	3.2	12.4
E	.1	.2	2.7	3.2	1.6	1.8	.7	.8	.2	.3	.0	.0	.0	.0	5.4	6.4	12.1
ESE	.1	.2	3.0	3.5	1.5	1.8	.7	.9	.2	.3	.0	.0	.0	.0	5.6	6.7	11.9
SE	.1	.1	2.7	3.2	.8	.9	.3	.3	.1	.1	.0	.0	.0	.0	3.9	4.7	10.5
SSE	.1	.1	1.6	1.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.5	9.5
S	.1	.2	2.4	2.8	.9	1.0	.5	.6	.3	.4	.1	.1	.0	.0	4.2	5.0	11.7
SSW	.1	.1	1.8	2.1	1.2	1.5	1.0	1.2	.7	.8	.2	.2	.0	.0	5.0	6.0	14.3
SW	.1	.1	2.7	3.2	1.9	2.2	1.6	1.9	.9	1.1	.2	.3	.0	.0	7.4	8.8	14.2
WSW	.1	.1	3.1	3.6	1.9	2.3	1.3	1.6	.8	.9	.2	.2	.0	.0	7.4	8.8	13.5
W	.1	.1	3.3	3.9	2.2	2.6	1.7	2.1	1.3	1.6	.4	.5	.1	.1	9.2	10.9	14.6
WNW	.1	.1	3.3	3.9	2.2	2.6	2.1	2.5	1.7	2.0	.7	.8	.1	.1	10.1	12.0	15.4
NW	.1	.1	2.8	3.3	2.0	2.4	1.7	2.1	1.4	1.7	.5	.6	.1	.1	8.6	10.2	15.3
NNW	.1	.1	2.1	2.5	1.2	1.4	.9	1.0	.6	.7	.1	.2	.0	.0	5.0	5.9	13.6
CALM	.2	.3													.2	.3	
TOTAL	2.1	2.5	36.5	43.3	19.7	23.4	14.0	16.6	8.9	10.6	2.6	3.1	.5	.6	84.2	100	13.4

BOS BOSTON, MA

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14739

NO. OBS.: 32600

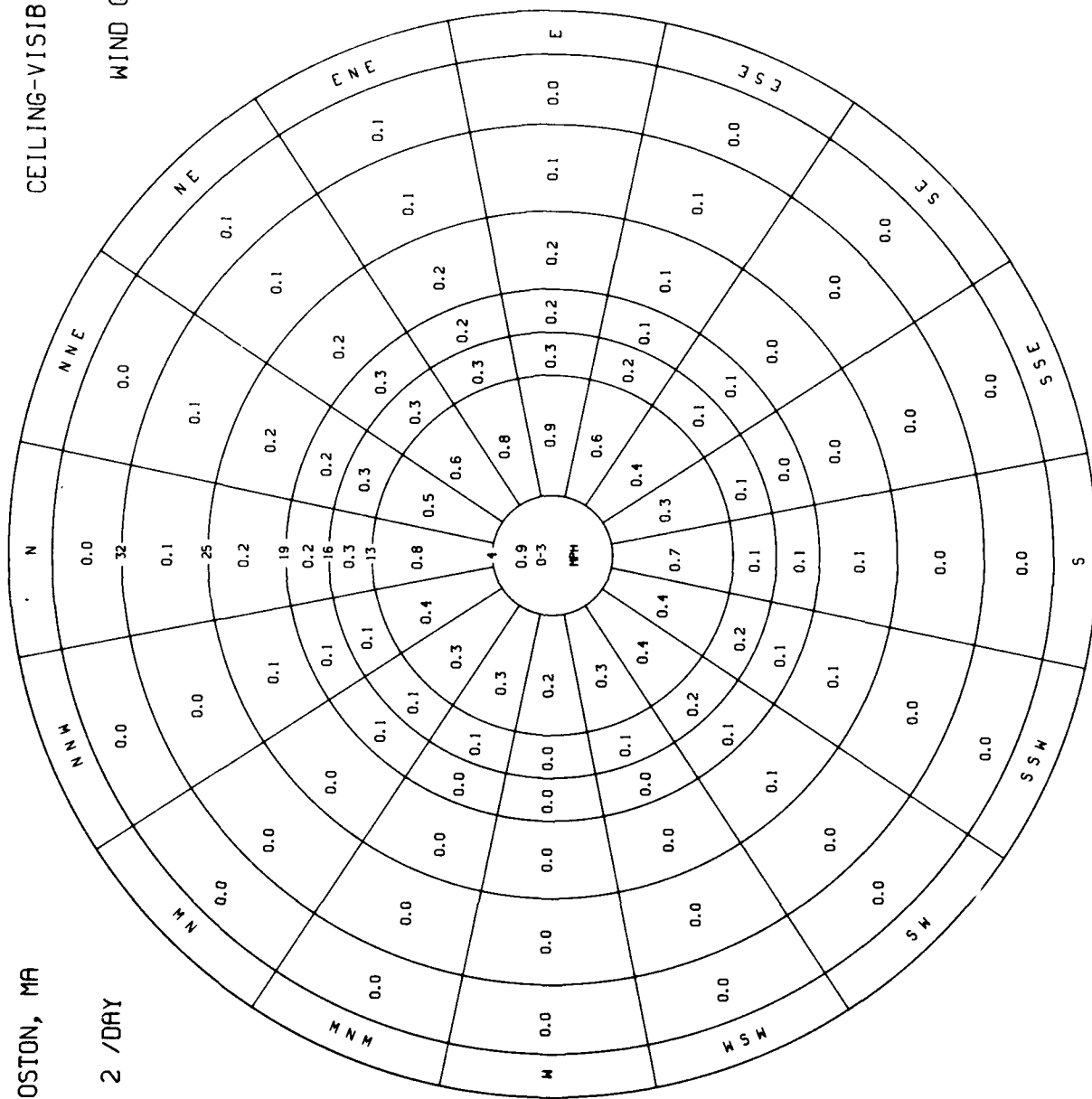
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.2	.3	3.3	3.9	.8	1.0	.5	.6	.2	.2	.0	.1	.0	.0	5.0	5.9	10.6
NNE	.2	.2	1.3	1.5	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.0	2.4	9.8
NE	.2	.2	1.0	1.1	.2	.3	.2	.2	.1	.1	.1	.1	.0	.0	1.7	2.1	11.0
ENE	.2	.2	.8	1.0	.2	.2	.2	.2	.1	.2	.1	.1	.0	.0	1.6	1.8	11.5
E	.2	.2	1.0	1.2	.2	.2	.1	.2	.1	.2	.0	.0	.0	.0	1.7	2.0	10.6
ESE	.2	.2	1.0	1.2	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	1.5	1.7	9.4
SE	.3	.3	1.1	1.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.0	8.5
SSE	.2	.3	1.6	1.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.6	8.8
S	.3	.3	3.7	4.4	.7	.9	.3	.3	.1	.1	.0	.0	.0	.0	5.1	6.0	9.6
SSW	.2	.2	3.5	4.2	1.3	1.5	.7	.8	.3	.3	.1	.1	.0	.0	6.0	7.2	11.6
SW	.2	.2	5.1	6.0	2.4	2.8	1.2	1.4	.6	.7	.1	.1	.0	.0	9.6	11.4	12.1
WSW	.2	.2	4.6	5.5	2.3	2.7	1.2	1.4	.5	.6	.1	.1	.0	.0	8.8	10.5	12.1
W	.2	.2	3.5	4.1	2.3	2.8	1.5	1.8	1.1	1.2	.3	.3	.1	.1	8.8	10.5	13.8
WNW	.2	.2	5.0	5.9	2.7	3.2	1.9	2.3	1.4	1.7	.4	.5	.0	.1	11.7	13.8	13.8
NW	.2	.2	4.3	5.1	2.3	2.7	1.6	2.0	1.0	1.2	.4	.4	.0	.1	9.8	11.6	13.5
NNW	.2	.2	3.4	4.1	1.5	1.8	1.0	1.1	.5	.6	.1	.1	.0	.0	6.7	7.9	12.4
CALM	.6	.7													.6	.7	
TOTAL	3.6	4.2	44.1	52.3	17.8	21.1	10.8	12.7	6.2	7.4	1.6	2.0	.3	.3	84.4	100	12.0

CEILING-VISIBILITY

WIND GRAPH

BOS BOSTON, MA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14739

NO. OBS.: 8193

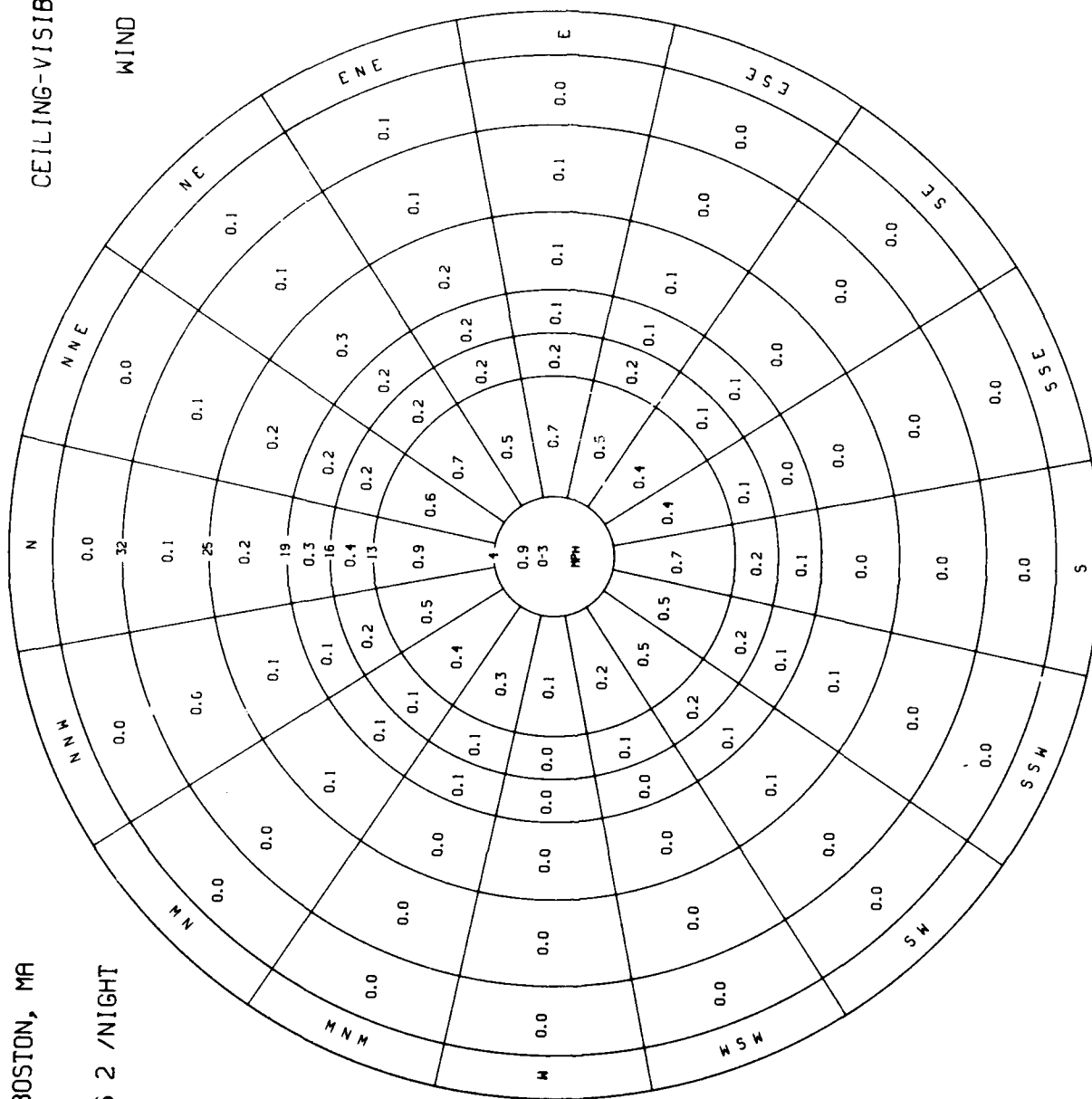
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.8	4.8	.3	1.6	.2	1.5	.2	1.1	.1	.6	.0	.0	1.6	9.9	13.4
NNE	.1	.4	.5	3.5	.3	1.6	.2	1.2	.2	1.1	.1	.5	.0	.1	1.3	8.4	13.9
NE	.1	.4	.6	4.1	.3	1.8	.3	1.8	.2	1.5	.1	.8	.1	.5	1.7	10.8	15.2
ENE	.0	.3	.8	4.9	.3	1.7	.2	1.4	.2	1.3	.1	.7	.1	.4	1.7	10.8	14.4
E	.1	.6	.9	5.7	.3	1.8	.2	1.0	.2	1.0	.1	.6	.0	.2	1.7	10.9	12.7
ESE	.1	.5	.6	3.7	.2	1.2	.1	.6	.1	.6	.1	.3	.0	.1	1.1	6.9	11.8
SE	.1	.4	.4	2.6	.1	.5	.1	.3	.0	.2	.0	.1	.0	.0	.7	4.2	10.0
SSE	.1	.3	.3	2.0	.1	.4	.0	.3	.0	.3	.0	.1	.0	.0	.5	3.4	10.5
S	.1	.5	.7	4.1	.1	.9	.1	.6	.1	.4	.0	.2	.0	.0	1.1	6.8	11.1
SSW	.0	.3	.4	2.7	.2	1.1	.1	.9	.1	.6	.0	.1	.0	.1	.9	5.7	12.9
SW	.0	.2	.4	2.6	.2	1.0	.1	.6	.1	.5	.0	.2	.0	.0	.8	5.1	12.3
WSW	.0	.2	.3	1.8	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.5	2.9	10.4
W	.0	.2	.2	1.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.7	9.8
NNW	.0	.3	.3	1.8	.1	.4	.0	.2	.0	.2	.0	.1	.0	.0	.5	2.9	11.1
NW	.0	.2	.3	2.1	.1	.7	.1	.4	.0	.2	.0	.1	.0	.0	.6	3.9	11.6
NNW	.0	.2	.4	2.7	.1	.9	.1	.6	.1	.3	.0	.1	.0	.0	.8	4.9	12.0
CALM	.1	.8													.1	.8	
TOTAL	.9	6.0	7.9	50.1	2.6	16.6	1.8	11.6	1.5	9.4	.7	4.7	.3	1.7	15.8	100	12.6

BOS BOSTON, MA

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14739

NO. OBS.: 6011

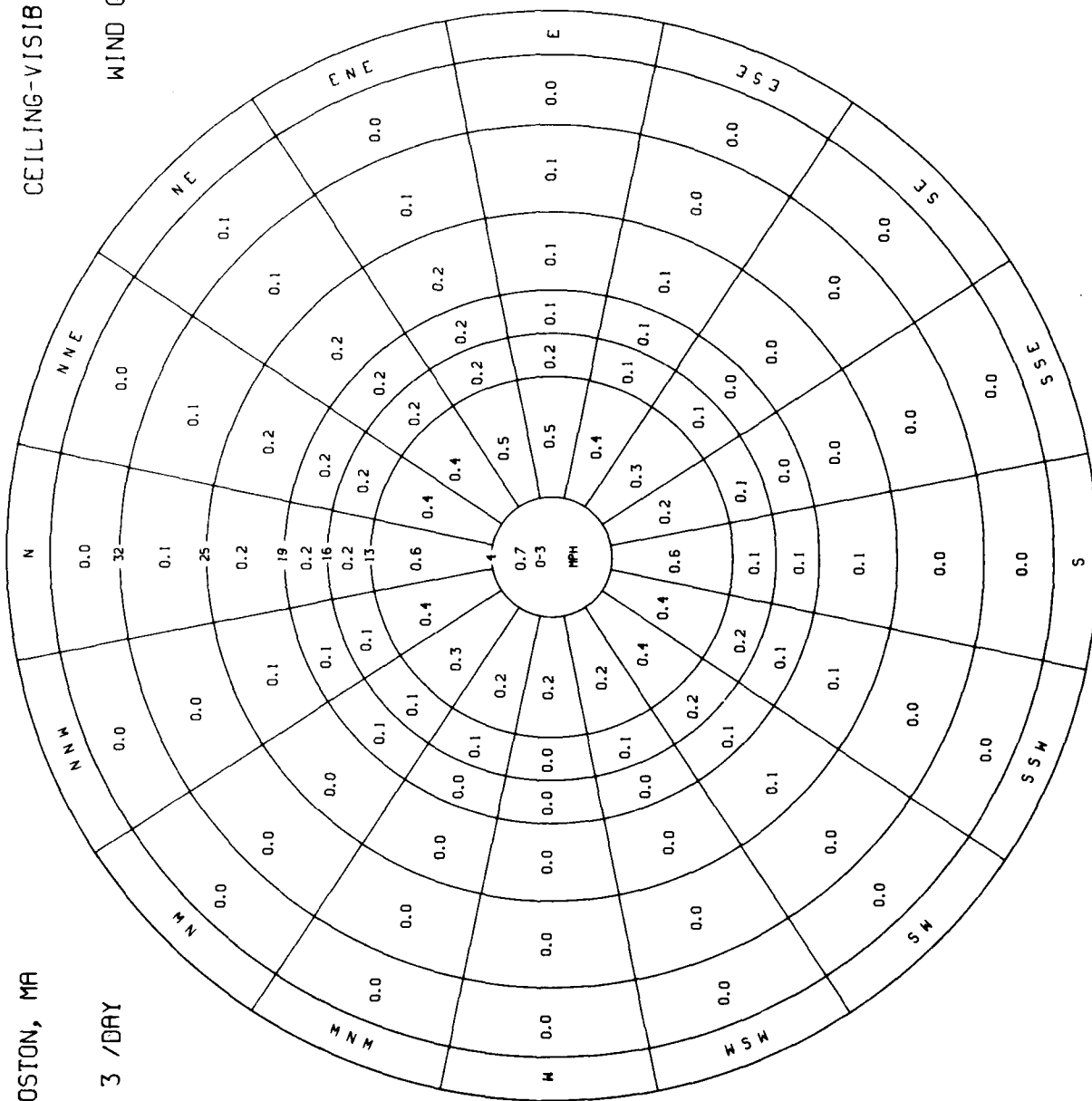
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.9	5.8	.4	2.5	.3	1.7	.2	1.2	.1	.4	.0	.0	1.9 12.1
NNE	.0	.3	.6	3.9	.2	1.4	.2	1.1	.2	1.1	.1	.5	.0	.2	1.3 8.6
NE	.1	.3	.7	4.3	.2	1.5	.2	1.2	.3	1.7	.1	.8	.1	.5	1.6 10.3
ENE	.1	.5	.5	3.5	.2	1.2	.2	1.1	.2	1.1	.1	.8	.1	.4	1.3 8.6
E	.1	.6	.7	4.5	.2	1.0	.1	.9	.1	.9	.1	.6	.0	.3	1.4 8.8
ESE	.1	.4	.5	3.5	.2	1.0	.1	.5	.1	.5	.0	.2	.0	.1	1.0 6.3
SE	.1	.4	.4	2.6	.1	.5	.1	.4	.0	.2	.0	.1	.0	.0	.7 4.2
SSE	.1	.3	.4	2.5	.1	.4	.0	.3	.0	.1	.0	.1	.0	.0	.6 3.8
S	.1	.6	.7	4.2	.2	1.0	.1	.5	.0	.3	.0	.2	.0	.1	1.1 6.8
SSW	.0	.2	.5	2.9	.2	1.2	.1	.7	.1	.5	.0	.2	.0	.1	.9 5.9
SW	.0	.2	.5	3.0	.2	1.3	.1	.8	.1	.4	.0	.1	.0	.0	.9 5.8
WSW	.0	.2	.2	1.5	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.4 2.6
W	.0	.1	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.4
WNW	.0	.1	.3	1.9	.1	.4	.1	.3	.0	.2	.0	.1	.0	.0	.5 3.2
NW	.0	.2	.4	2.4	.1	.8	.1	.6	.1	.4	.0	.1	.0	.0	.7 4.6
NNW	.0	.2	.5	3.1	.2	1.4	.1	.8	.1	.5	.0	.2	.0	.0	1.0 6.4
CALM	.1	.8													.1 .8
TOTAL	.9	5.9	7.9	50.7	2.5	16.3	1.8	11.3	1.5	9.5	.7	4.5	.3	1.8	15.6 100

CEILING-VISIBILITY

WIND GRAPH

BOS BOSTON, MA

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 3 / DAY

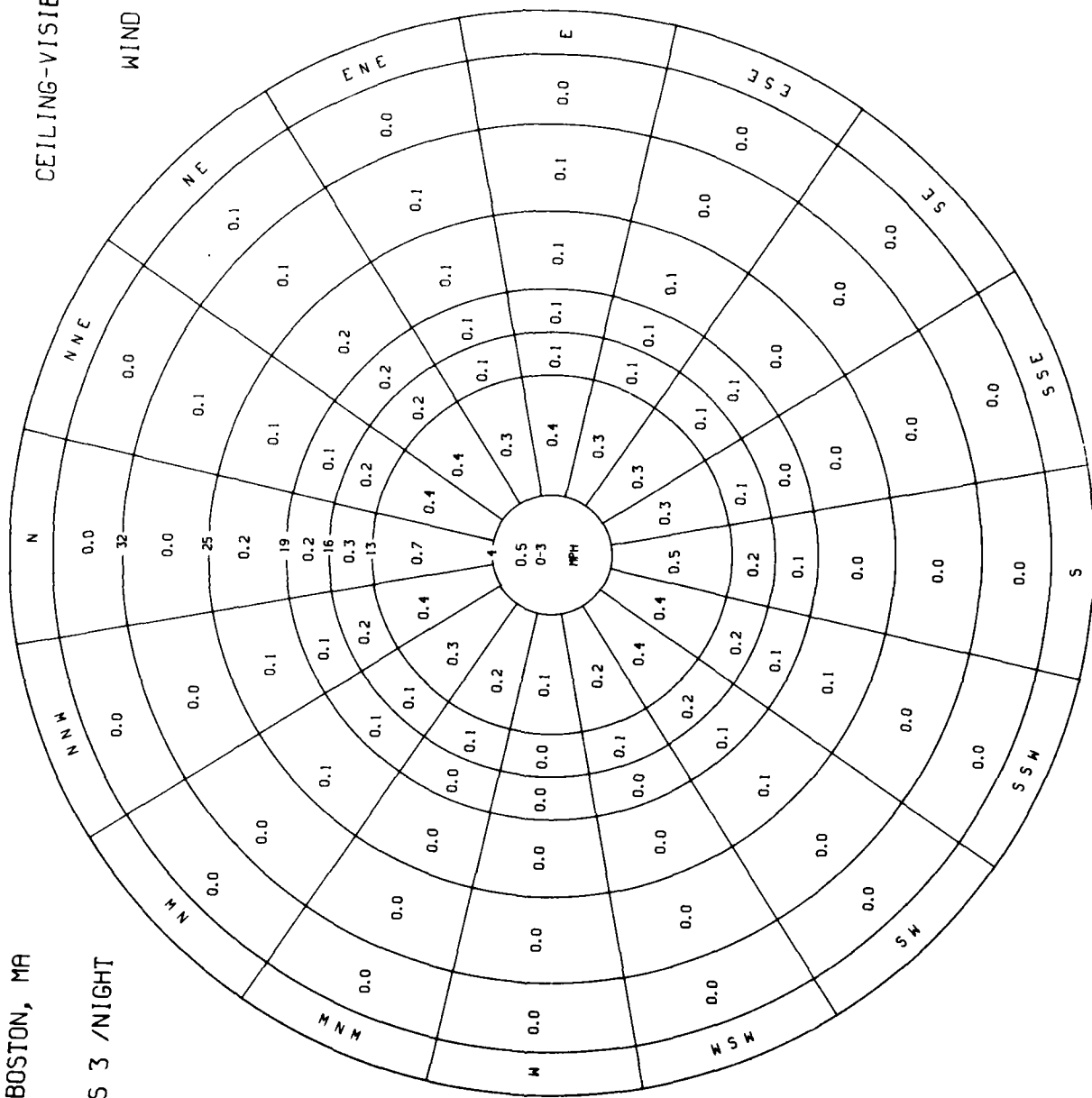
STATION NUMBER: 14739

NO. OBS.: 6487

D I R	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	
N	.0	.2	.6	4.5	.2	1.7	.2	1.7	.2	1.3	.1	.4	.0	.0	1.2 9.9
NNE	.0	.3	.4	3.2	.2	1.7	.2	1.3	.2	1.3	.1	.6	.0	.2	1.1 8.6
NNE	.0	.3	.4	3.3	.2	1.9	.2	2.0	.2	1.6	.1	.8	.1	.4	1.3 10.4
ENE	.0	.3	.5	3.7	.2	1.7	.2	1.4	.2	1.4	.1	.7	.0	.4	1.2 9.5
E	.1	.4	.5	4.3	.2	1.6	.1	.9	.1	1.0	.1	.7	.0	.2	1.1 9.2
ESE	.0	.3	.4	3.1	.1	1.2	.1	.5	.1	.6	.0	.3	.0	.1	.8 6.2
SE	.0	.4	.3	2.6	.1	.5	.0	.4	.0	.2	.0	.1	.0	.0	.5 4.2
SSE	.0	.3	.2	2.0	.1	.5	.0	.3	.0	.3	.0	.1	.0	.0	.4 3.5
S	.1	.5	.6	4.4	.1	1.1	.1	.7	.1	.4	.0	.3	.0	.1	1.0 7.7
SSW	.0	.2	.4	3.1	.2	1.4	.1	1.1	.1	.7	.0	.2	.0	.1	.8 6.8
SW	.0	.2	.4	2.9	.2	1.3	.1	.7	.1	.6	.0	.2	.0	.0	.7 5.9
WSW	.0	.2	.2	2.0	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.4 3.3
W	.0	.2	.2	1.2	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.9
WNW	.0	.3	.2	1.9	.1	.4	.0	.2	.0	.2	.0	.1	.0	.1	.4 3.2
NW	.0	.2	.3	2.1	.1	.7	.1	.5	.0	.2	.0	.1	.0	.0	.5 3.9
NNW	.0	.2	.4	2.9	.1	1.0	.1	.7	.1	.4	.0	.1	.0	.0	.7 5.2
CALM	.1	.7													.1 .7
TOTAL	.7	5.2	5.9	47.3	2.2	17.7	1.6	12.8	1.3	10.5	.6	4.7	.2	1.6	12.5 100
															13.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14739

NO. OBS.: 4594

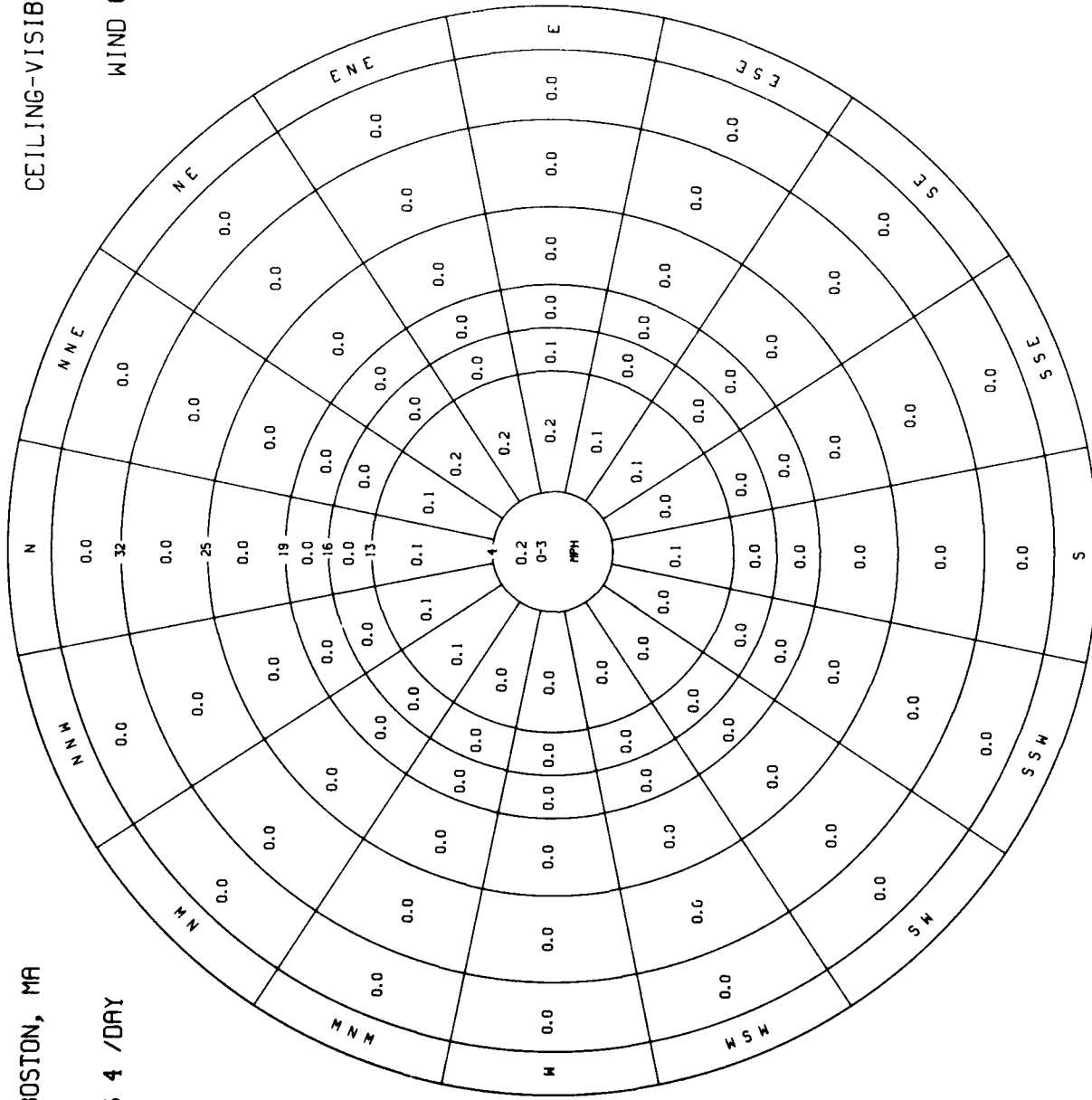
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	.2	.7	5.6	.3	2.9	.2	1.8	.2	1.3	.0	.4	.0	.0	1.4	12.1	13.1	
NNE	.0	.1	.4	3.2	.2	1.5	.1	1.2	.1	1.2	.1	.6	.0	.2	1.0	8.0	14.6	
NE	.0	.2	.4	3.0	.2	1.5	.2	1.3	.2	2.0	.1	.8	.1	.5	1.1	9.5	16.5	
ENE	.0	.4	.3	2.4	.1	1.2	.1	1.2	.1	1.2	.1	.9	.0	.3	.9	7.6	15.8	
E	.1	.5	.4	3.6	.1	.9	.1	1.0	.1	1.0	.1	.7	.0	.3	1.0	8.1	14.5	
ESE	.0	.3	.3	2.7	.1	1.0	.1	.6	.1	.5	.0	.2	.0	.1	.7	5.5	12.3	
SE	.0	.3	.3	2.3	.1	.6	.1	.5	.0	.3	.0	.1	.0	.0	.5	4.0	11.3	
SSE	.0	.3	.3	2.6	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.5	4.0	10.2	
S	.1	.5	.5	4.4	.2	1.3	.1	.7	.0	.3	.0	.3	.0	.1	.9	7.5	11.5	
SSW	.0	.2	.4	3.3	.2	1.5	.1	.9	.1	.7	.0	.3	.0	.1	.8	6.9	13.4	
SW	.0	.2	.4	3.4	.2	1.5	.1	1.0	.1	.5	.0	.2	.0	.0	.8	6.9	12.4	
WSW	.0	.2	.2	1.6	.1	.7	.0	.2	.0	.2	.0	.0	.0	.0	.3	2.9	11.1	
W	.0	.1	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.6	10.9	
WNW	.0	.1	.2	1.7	.1	.5	.0	.4	.0	.2	.0	.2	.0	.0	.4	3.1	12.4	
NW	.0	.1	.3	2.5	.1	1.0	.1	.7	.1	.6	.0	.1	.0	.0	.6	5.0	12.6	
NNW	.0	.2	.4	3.1	.2	1.7	.1	1.0	.1	.5	.0	.2	.0	.0	.8	6.6	12.8	
CALM	.1	.6													.1	.6		
TOTAL	.5	4.4	5.5	46.5	2.2	18.4	1.5	13.0	1.3	10.9	.6	5.0	.2	1.8	11.9	100	13.2	

CEILING-VISIBILITY

WIND GRAPH

BOS BOSTON, MA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 14739

NO. OBS.: 1185

D I R	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	6.2	.0	1.4	.0	.8	.0	.7	.0	1.3	.0	.1	.2	10.8	12.9
NNE	.0	.4	.1	4.9	.0	1.4	.0	.9	.0	.4	.0	.1	.0	.0	.2	8.1	10.8
NE	.0	.6	.2	7.3	.0	1.9	.0	1.4	.0	1.2	.0	.7	.0	.3	.3	13.3	12.7
ENE	.0	.3	.2	8.6	.0	2.1	.0	1.9	.0	1.4	.0	.9	.0	.3	.4	15.6	13.2
E	.0	1.3	.2	9.8	.1	3.0	.0	1.1	.0	.9	.0	.6	.0	.3	.4	17.0	11.7
ESE	.0	.8	.1	5.4	.0	1.0	.0	.8	.0	.4	.0	.4	.0	.2	.2	9.0	11.2
SE	.0	.6	.1	2.4	.0	.8	.0	.2	.0	.2	.0	.1	.0	.0	.1	4.2	9.1
SSE	.0	.3	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.9
S	.0	.3	.1	3.0	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.1	3.6	8.7
SSW	.0	.4	.0	1.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.9	8.1
SW	.0	.1	.0	1.3	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	1.5	9.2
WSW	.0	.1	.0	1.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.2	8.7
W	.0	.1	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	9.4
WNW	.0	.0	.0	1.5	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	2.0	11.2
NW	.0	.3	.1	2.4	.0	.8	.0	.1	.0	.3	.0	.2	.0	.0	.1	4.0	10.3
NNW	.0	.2	.1	2.3	.0	.8	.0	.4	.0	.2	.0	.2	.0	.1	.1	4.1	11.6
CALM	.0	.8													.0	.8	
TOTAL	.2	6.9	1.4	59.3	.3	13.8	.2	8.1	.1	5.9	.1	4.6	.0	1.4	2.3	100	11.4

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BOS BOSTON, MA

CLASS 4 / NIGHT

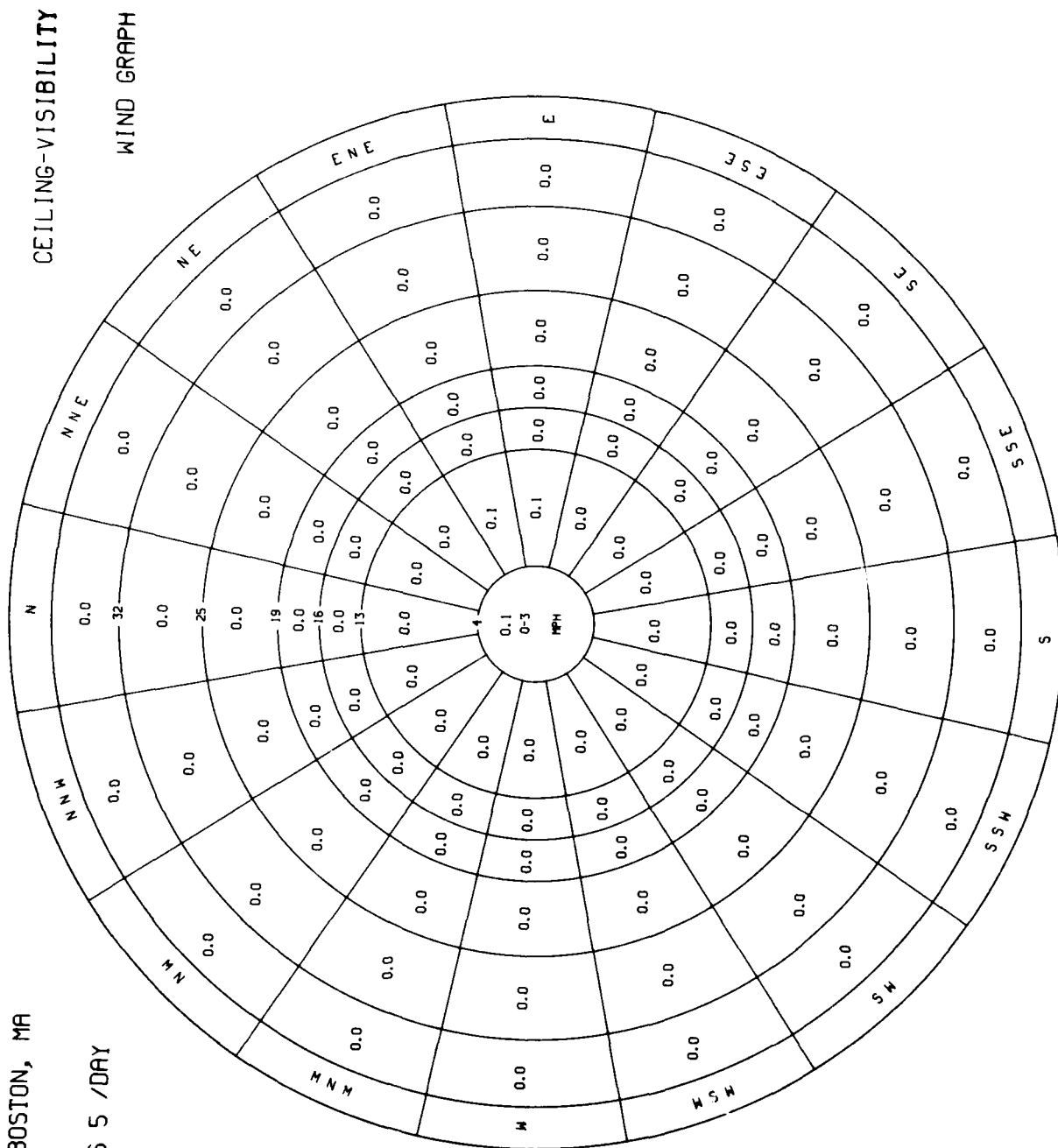
NO. OBS.: 983

STATION NUMBER: 14739

D I R	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	
N	.0	.7	.2	7.5	.0	1.7	.0	1.6	.0	.8	.0	.5	.0	.3	.3 13.2
NNE	.0	.6	.2	7.1	.0	1.5	.0	.9	.0	.8	.0	.5	.0	.0	.3 11.5
NNE	.0	.7	.2	8.5	.0	1.7	.0	1.0	.0	.8	.0	.8	.0	.5	.4 14.1
ENE	.0	.6	.1	5.3	.0	1.3	.0	1.1	.0	1.3	.0	.3	.0	.7	.3 10.7
E	.0	1.1	.2	6.7	.0	1.1	.0	.9	.0	.4	.0	.2	.0	.3	.3 10.8
ESE	.0	.7	.1	4.9	.0	.9	.0	.4	.0	.6	.0	.3	.0	.0	.2 7.8
SE	.0	.3	.1	2.5	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.1 3.5
SSE	.0	.5	.0	1.9	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1 2.6
S	.0	.5	.1	2.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
SSW	.0	.1	.1	2.0	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1 2.5
SW	.0	.0	.0	1.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.2
WSW	.0	.1	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
W	.0	.0	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
WNW	.0	.1	.1	3.2	.0	.2	.0	.1	.0	.5	.0	.0	.0	.0	.1 4.1
NW	.0	.5	.1	2.7	.0	.2	.0	.4	.0	.1	.0	.2	.0	.1	.1 4.3
NNW	.0	.5	.1	3.7	.0	.8	.0	.5	.0	.5	.0	.3	.0	.0	.2 6.3
CALM	.0	1.0													.0 1.0
TOTAL	.2	8.1	1.6	62.0	.3	11.3	.2	7.3	.2	6.1	.1	3.3	.0	1.9	2.5 100

BOS BOSTON, MA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 14739

NO. OBS.: 330

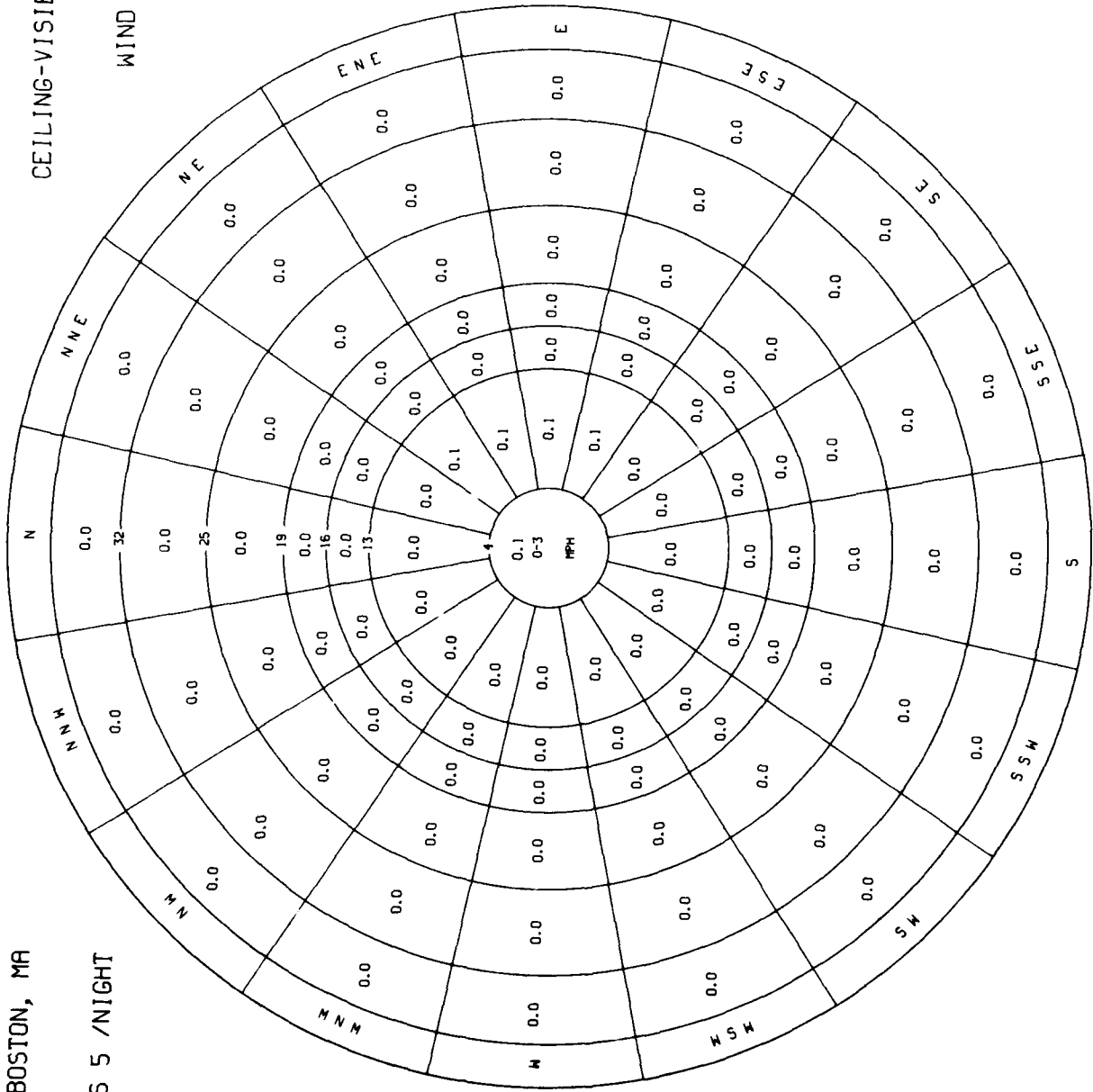
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.9	.0	5.5	.0	.3	.0	.6	.0	.0	.0	1.5	.0	.6	.1	9.4	13.1
NNE	.0	.3	.0	3.9	.0	.9	.0	.3	.0	.0	.0	.6	.0	.6	.0	6.7	13.2
NE	.0	.0	.0	7.6	.0	.3	.0	.3	.0	1.2	.0	.3	.0	.6	.1	10.3	13.0
ENE	.0	.0	.1	9.7	.0	1.5	.0	.6	.0	.9	.0	1.2	.0	.9	.1	14.8	13.2
E	.0	1.8	.1	13.0	.0	2.1	.0	1.5	.0	.0	.0	.0	.0	.9	.1	19.4	10.1
ESE	.0	2.7	.0	6.1	.0	2.1	.0	.6	.0	.6	.0	.0	.0	.3	.1	12.4	9.6
SE	.0	.3	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.1
SSE	.0	.3	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	7.1
S	.0	.3	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.5
SSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
SW	.0	.3	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.6
WSW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	10.0
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.9	12.3
WNW	.0	.0	.0	.6	.0	.9	.0	.3	.0	.0	.0	.3	.0	.0	.0	2.1	14.0
NW	.0	.3	.0	1.5	.0	.3	.0	.6	.0	.6	.0	.3	.0	.0	.0	3.6	13.1
NNW	.0	.6	.0	2.1	.0	.3	.0	.6	.0	.0	.0	.3	.0	.3	.0	4.2	11.7
CALM	.0	.9													.0	.9	
TOTAL	.1	9.1	.4	63.9	.1	9.1	.0	5.5	.0	3.3	.0	4.8	.0	4.2	.6	100	11.1

BOS BOSTON, MA

CLASS 5 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14739

NO. OBS.: 293

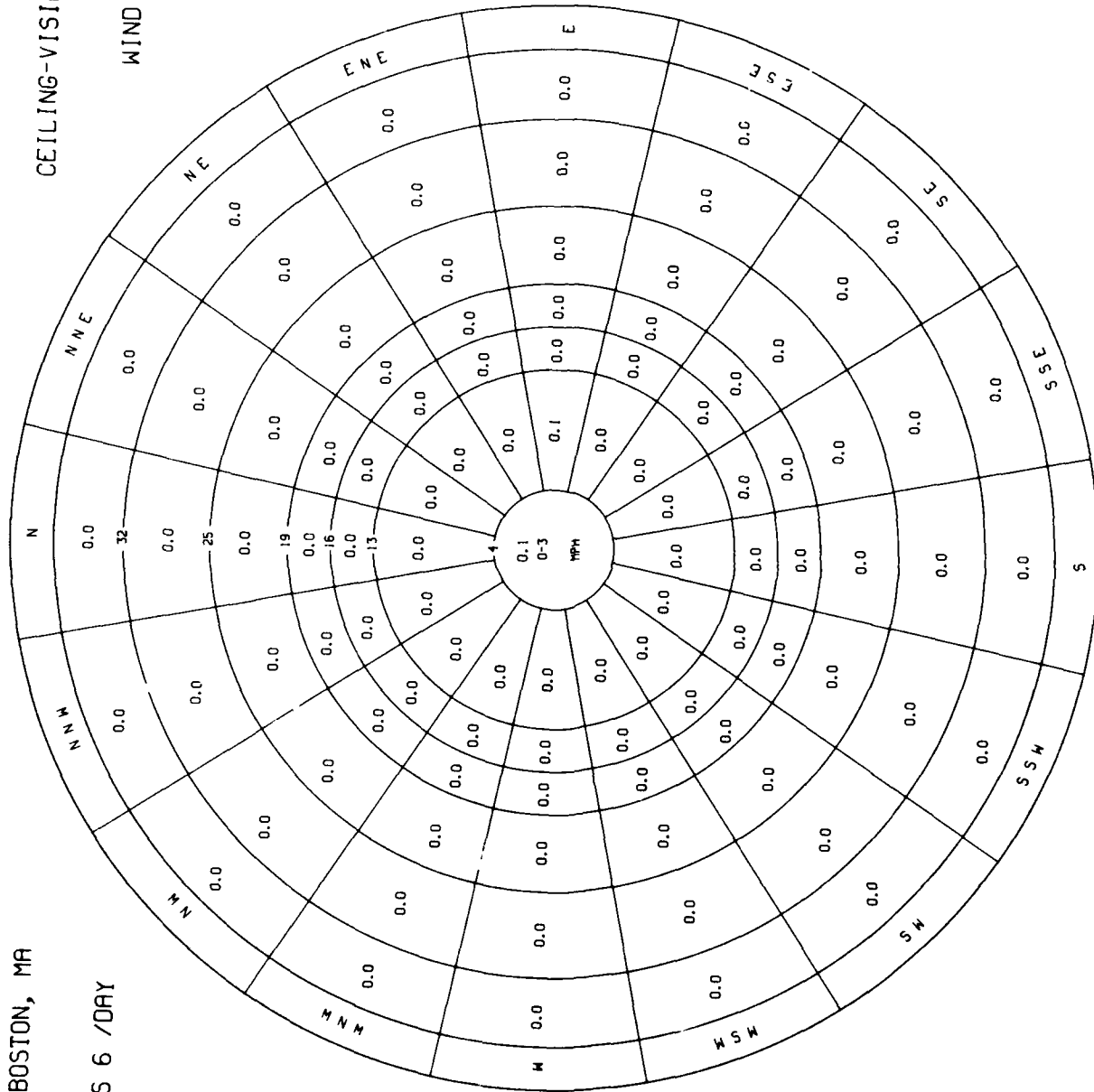
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	1.7	.0	4.4	.0	1.4	.0	1.0	.0	1.0	.0	.3	.0	.0	.1	9.9	10.8
NNE	.0	1.4	.0	5.5	.0	.3	.0	.3	.0	.3	.0	.3	.0	.3	.1	8.5	9.2
NE	.0	.7	.1	9.2	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.3	.1	11.9	9.1
ENE	.0	1.7	.1	10.6	.0	1.0	.0	.0	.0	.3	.0	1.0	.0	.0	.1	14.7	9.3
E	.0	.0	.1	8.5	.0	.7	.0	.7	.0	.7	.0	.3	.0	.0	.1	10.9	10.1
ESE	.0	1.0	.1	7.5	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.1	9.6	7.5
SE	.0	1.4	.0	4.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.5
SSE	.0	.3	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.4
S	.0	2.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	6.2
SSW	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.0
SW	.0	.7	.0	2.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.5
WSW	.0	.7	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.7	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	3.8	9.9
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	2.0	10.3
NNW	.0	.3	.0	1.7	.0	.7	.0	.3	.0	.0	.0	.3	.0	.0	.0	3.4	11.2
CALM	.0	2.0													.0	2.0	
TOTAL	.1	15.4	.5	68.6	.0	6.1	.0	3.8	.0	2.4	.0	2.7	.0	1.0	.8	100	8.6

BOS BOSTON, MA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: BOS BOSTON, MA

CLASS 6 / DAY

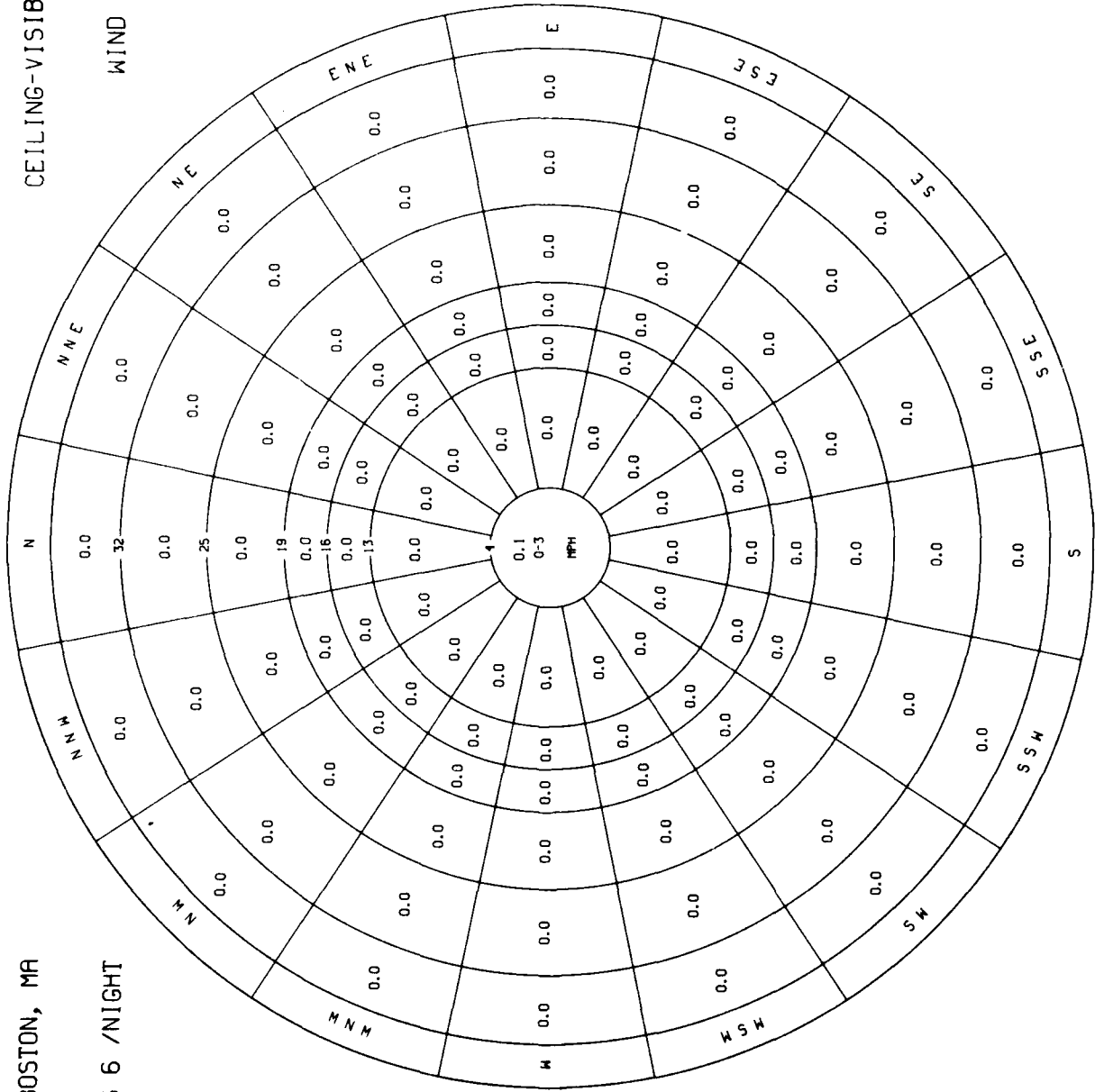
NO. OBS.: 191

STATION NUMBER: 14739

D I R	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	
N	.0	1.0	.0	2.6	.0	.5	.0	.0	.0	.5	.0	.5	.0	.0	.0 5.2 10.1
NNE	.0	1.6	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.3 6.5
NE	.0	1.6	.0	5.2	.0	.5	.0	.0	.0	.5	.0	1.0	.0	1.0	.0 9.9 13.4
ENE	.0	1.0	.0	13.1	.0	.5	.0	.0	.0	.0	.0	1.0	.0	1.0	.1 16.8 10.6
E	.0	1.0	.1	14.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 17.8 8.5
ESE	.0	1.6	.0	6.3	.0	1.6	.0	.0	.0	.5	.0	.0	.0	.0	.0 9.9 8.5
SE	.0	1.6	.0	2.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8 7.3
SSE	.0	2.1	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8 5.3
S	.0	1.6	.0	3.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8 7.0
SSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0 8.5
SW	.0	1.0	.0	1.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 3.1 8.8
WSW	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1 6.0
W	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5 3.0
WNW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0 1.6 10.0
NW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1 6.7
NNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6 8.0
CALM	.0	4.7													.0 4.7
TOTAL	.1	20.4	.2	64.4	.0	7.3	.0	.5	.0	2.6	.0	2.6	.0	2.1	.4 100 8.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BOS BOSTON, MA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14739

NO. OBS.: 141

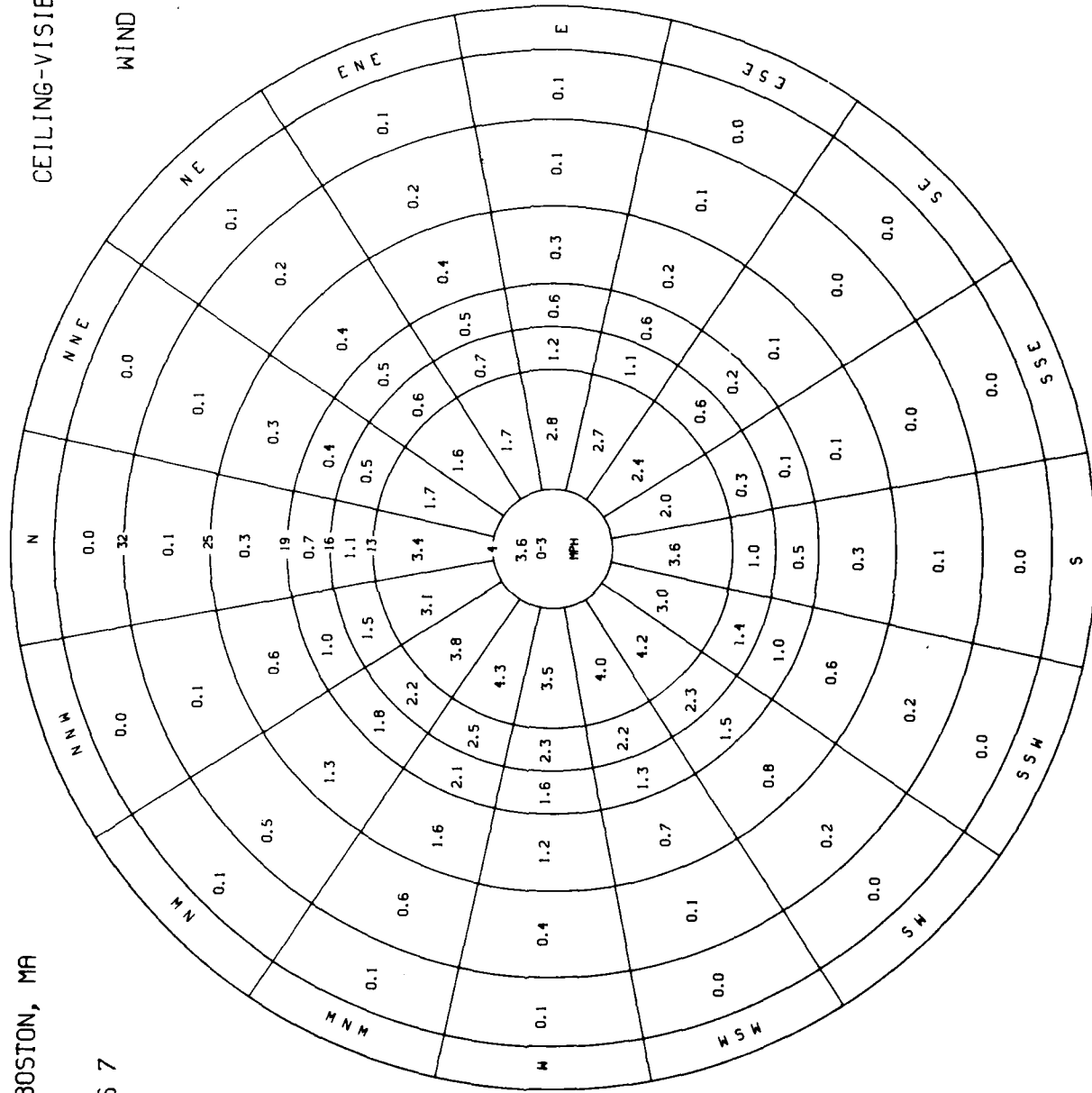
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	6.8
NNE	.0	3.5	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	3.6
NE	.0	1.4	.0	5.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	11.2
ENE	.0	.0	.0	9.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	10.6
E	.0	2.8	.0	9.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.2	7.0
ESE	.0	.7	.0	10.6	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	13.5	8.4
SE	.0	2.1	.0	9.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.3	5.7
SSE	.0	.0	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	7.6
S	.0	2.1	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	6.8
SSW	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.0
SW	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.0
WSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	10.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	4.5
NW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	2.1	11.0
NNW	.0	.7	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	4.3	10.7
CALM	.0	1.4													.0	1.4	
TOTAL	.1	19.1	.3	72.3	.0	5.0	.0	.7	.0	.0	.0	1.4	.0	1.4	.4	100	7.7

BOS BOSTON, MA

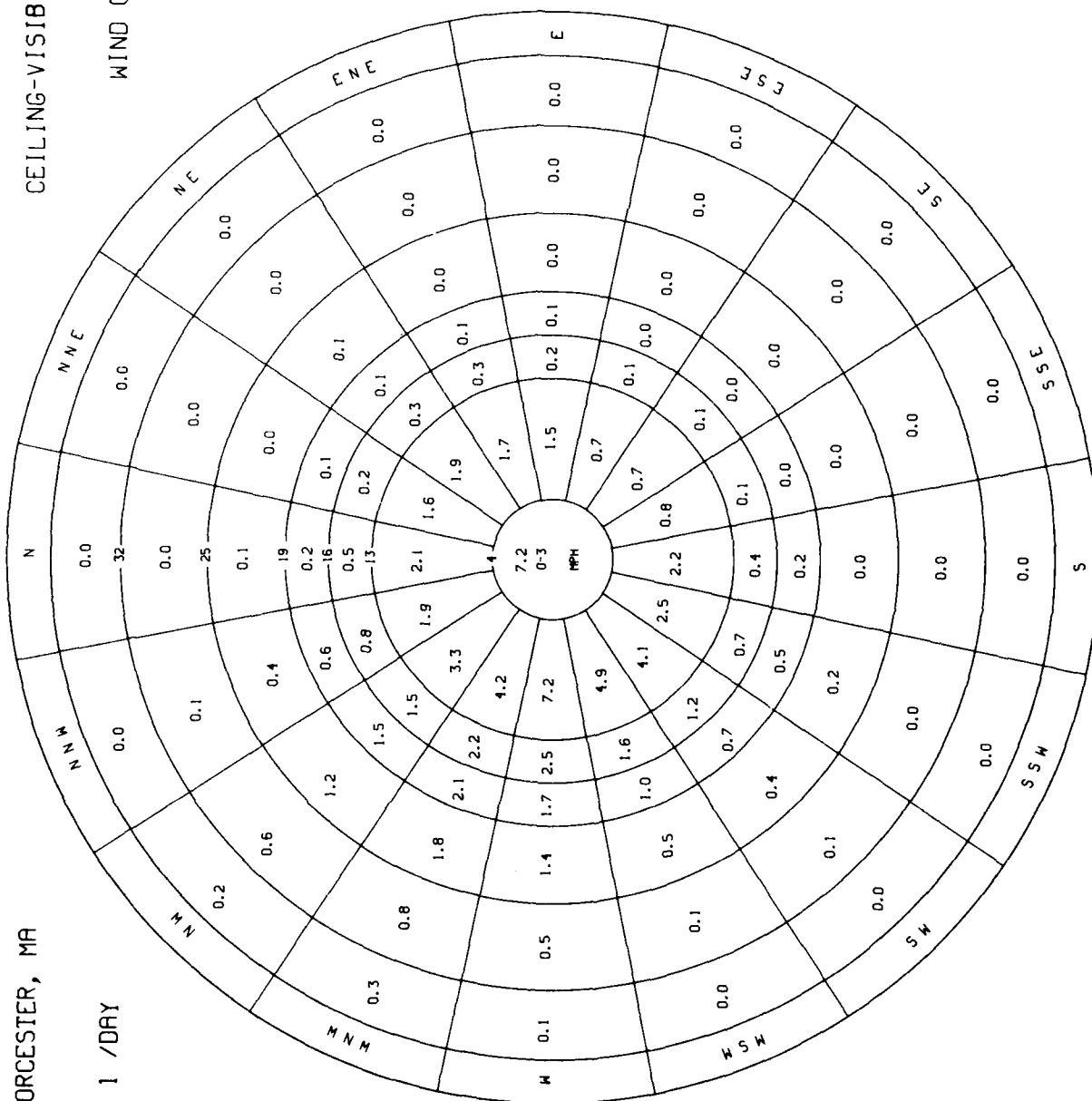
CLASS 7

CEILING-VISIBILITY

WIND GRAPH



ORH WORCESTER, MA
 CLASS 1 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 1 / DAY

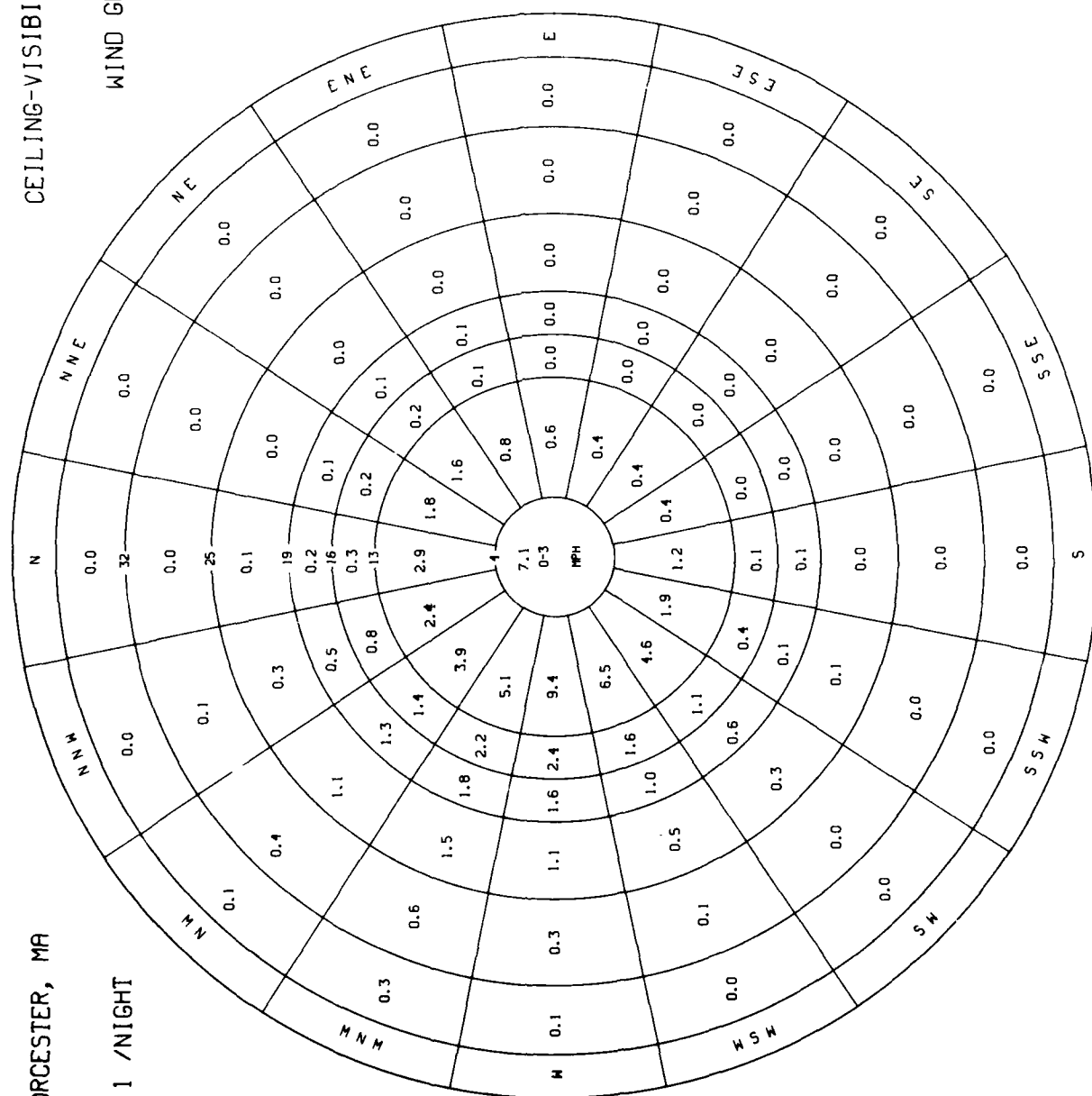
STATION NUMBER: 94746

NO. OBS.: 38600

D I R	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	2.1	2.7	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	3.3	4.2	9.2
NNE	.3	.4	1.6	2.0	.2	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.3	2.9	8.3
NE	.4	.6	1.9	2.4	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.9	3.6	8.4
ENE	.4	.5	1.7	2.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.5	3.2	8.3
E	.5	.6	1.5	1.9	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.9	7.6
ESE	.3	.3	.7	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.3	6.5
SE	.4	.5	.7	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	6.3
SSE	.3	.4	.8	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	6.9
S	.5	.6	2.2	2.8	.4	.5	.2	.2	.0	.1	.0	.0	.0	.0	3.3	4.1	8.4
SSW	.3	.4	2.5	3.2	.7	.9	.5	.6	.2	.2	.0	.0	.0	.0	4.2	5.3	10.3
SW	.5	.6	4.1	5.2	1.2	1.5	.7	.9	.4	.5	.1	.1	.0	.0	7.0	8.8	10.7
WSW	.5	.7	4.9	6.2	1.6	2.1	1.0	1.3	.5	.7	.1	.1	.0	.0	8.7	11.0	11.1
W	.7	.9	7.2	9.0	2.5	3.2	1.7	2.2	1.4	1.7	.5	.6	.1	.1	14.1	17.7	12.2
WNW	.3	.4	4.2	5.3	2.2	2.7	2.1	2.7	1.8	2.2	.8	1.0	.3	.4	11.7	14.7	15.0
NW	.4	.4	3.3	4.1	1.5	1.9	1.5	1.9	1.2	1.5	.6	.7	.2	.2	8.7	10.9	14.5
NNW	.2	.3	1.9	2.4	.8	1.0	.6	.7	.4	.5	.1	.2	.0	.0	4.1	5.1	12.6
CALM	.8	1.0													.8	1.0	
TOTAL	7.2	9.1	41.5	52.3	12.7	16.0	9.0	11.4	6.1	7.7	2.3	2.9	.7	.8	79.5	100	11.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 94746

NO. OBS.: 27678

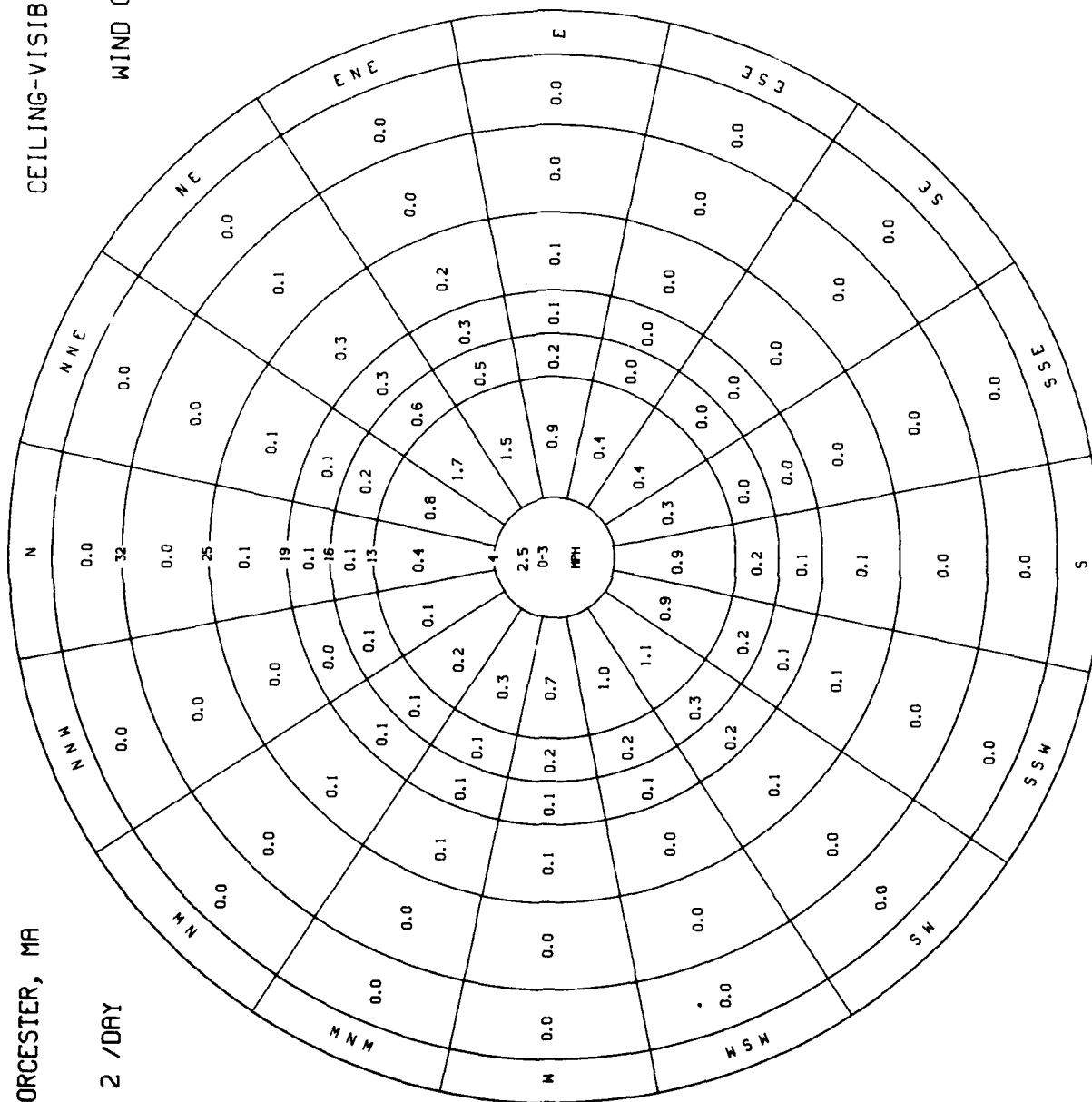
D i R	SPEED GROUPS (MPH)																	AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.6	.8	2.9	3.8	.3	.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	4.1	5.4	8.4
NNE	.4	.5	1.8	2.4	.2	.3	.1	.2	.0	.1	.0	.0	.0	.0	.0	2.6	3.4	7.9
NE	.4	.6	1.6	2.0	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	2.4	3.1	8.0
ENE	.2	.3	.8	1.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.3	1.7	8.3
E	.3	.4	.6	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.2	6.4
ESE	.2	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	5.5
SE	.2	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	5.4
SSE	.2	.3	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	5.9
S	.4	.6	1.2	1.5	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.8	2.3	6.9
SSW	.3	.4	1.9	2.4	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	.0	2.8	3.6	8.9
SW	.6	.7	4.6	6.0	1.1	1.4	.6	.7	.3	.3	.0	.0	.0	.0	.0	7.2	9.4	9.9
WSW	.6	.8	6.5	8.5	1.6	2.0	1.0	1.3	.5	.6	.1	.1	.0	.0	.0	10.3	13.4	10.3
W	.8	1.0	9.4	12.3	2.4	3.2	1.6	2.1	1.1	1.4	.3	.4	.1	.1	.1	15.8	20.6	11.2
WNW	.4	.6	5.1	6.6	2.2	2.9	1.8	2.4	1.5	1.9	.6	.8	.3	.3	.3	11.9	15.5	13.9
NW	.3	.4	3.9	5.1	1.4	1.9	1.3	1.7	1.1	1.4	.4	.5	.1	.2	.2	8.6	11.2	13.6
NNW	.2	.3	2.4	3.1	.8	1.0	.5	.7	.3	.4	.1	.1	.0	.1	.0	4.3	5.6	11.7
CALM	.7	.9														.7	.9	
TOTAL	7.1	9.3	43.8	57.2	10.9	14.2	7.6	9.9	5.1	6.6	1.6	2.1	.6	.7	76.7	100		10.8

ORH WORCESTER, MA

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 94746

NO. OBS.: 9971

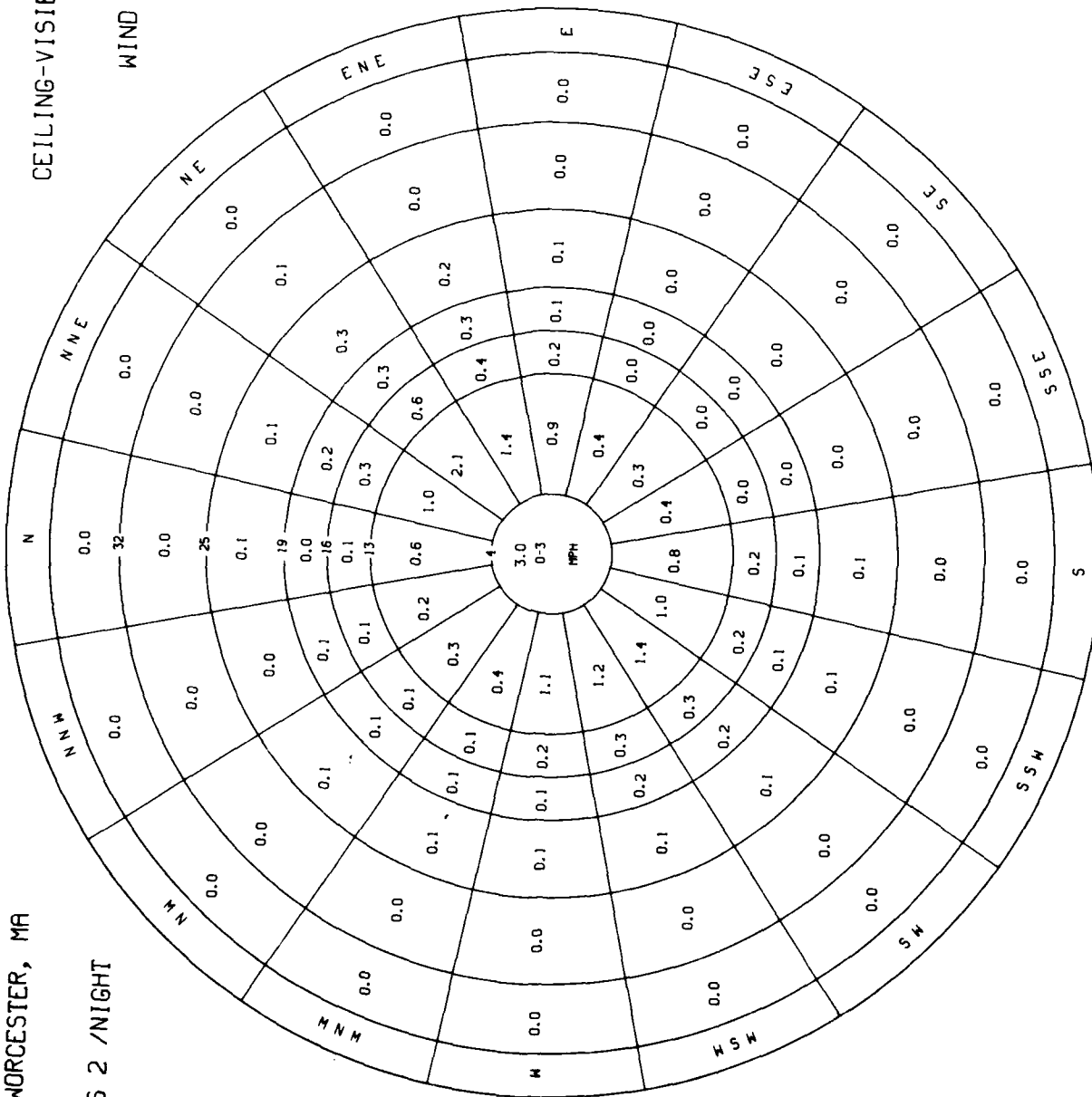
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.6	.4	2.0	.1	.6	.1	.3	.1	.3	.0	.1	.0	.0	.8 4.0
NNE	.1	.6	.8	4.1	.2	1.1	.1	.7	.1	.4	.0	.2	.0	.1	1.5 7.1
NNE	.2	1.1	1.7	8.4	.6	2.7	.3	1.5	.3	1.2	.1	.3	.0	.1	3.1 15.3
ENE	.2	.9	1.5	7.3	.5	2.4	.3	1.4	.2	.9	.0	.2	.0	.0	2.7 13.2
E	.3	1.2	.9	4.4	.2	1.0	.1	.5	.1	.3	.0	.1	.0	.0	1.5 7.5
ESE	.2	.9	.4	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6 3.1
SE	.2	.8	.4	1.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 2.9
SSE	.2	.8	.3	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.6 2.8
S	.2	1.0	.9	4.1	.2	1.0	.1	.4	.1	.3	.0	.1	.0	.0	1.4 6.9
SSW	.1	.5	.9	4.4	.2	1.0	.1	.6	.1	.4	.0	.1	.0	.0	1.5 7.1
SW	.2	.7	1.1	5.6	.3	1.4	.2	.9	.1	.4	.0	.1	.0	.0	1.9 9.1
WSW	.1	.5	1.0	4.7	.2	1.0	.1	.6	.0	.2	.0	.0	.0	.0	1.4 7.0
W	.1	.7	.7	3.2	.2	.9	.1	.6	.1	.4	.0	.2	.0	.0	1.2 6.0
WNW	.0	.2	.3	1.3	.1	.5	.1	.4	.1	.3	.0	.1	.0	.1	.6 2.8
NW	.0	.2	.2	.8	.1	.4	.1	.3	.1	.4	.0	.2	.0	.0	.5 2.2
NNW	.0	.1	.1	.7	.1	.4	.0	.2	.0	.2	.0	.1	.0	.0	.3 1.7
CALM	.3	1.3													.3 1.3
TOTAL	2.5	12.2	11.6	56.4	3.1	14.9	1.8	8.8	1.2	5.7	.3	1.7	.1	.4	20.5 100

ORH WORCESTER, MA

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 94746

NO. OBS.: 8420

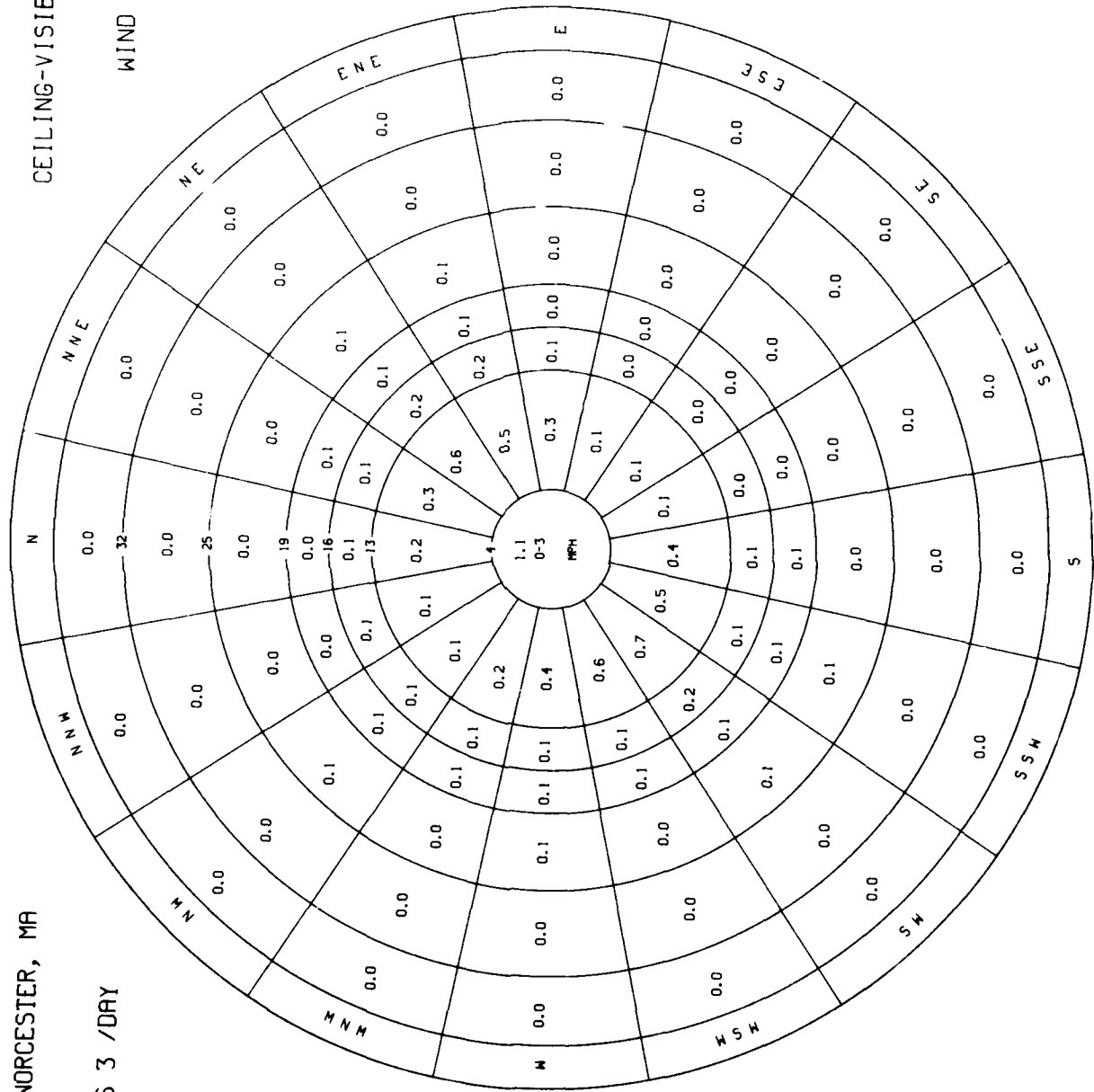
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.2	.7	.6	2.5	.1	.5	.0	.2	.1	.4	.0	.1	.0	.0	1.0	4.3	9.9
NNE	.2	1.0	1.0	4.4	.3	1.2	.2	.8	.1	.4	.0	.1	.0	.0	1.8	7.8	10.3
NNE	.3	1.3	2.1	8.8	.6	2.5	.3	1.5	.3	1.4	.1	.4	.0	.1	3.7	16.0	11.3
ENE	.2	1.0	1.4	5.9	.4	1.6	.3	1.1	.2	.7	.0	.2	.0	.0	2.5	10.5	10.8
E	.2	1.0	.9	3.8	.2	.7	.1	.5	.1	.2	.0	.0	.0	.0	1.5	6.2	8.8
ESE	.2	.7	.4	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6	2.7	7.1
SE	.2	.7	.3	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.2	6.6
SSE	.1	.6	.4	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.5	7.1
S	.3	1.2	.8	3.5	.2	.7	.1	.4	.1	.3	.0	.2	.0	.0	1.5	6.2	9.1
SSW	.1	.5	1.0	4.1	.2	1.0	.1	.5	.1	.3	.0	.1	.0	.0	1.5	6.6	10.2
SW	.1	.6	1.4	6.1	.3	1.3	.2	1.0	.1	.4	.0	.2	.0	.0	2.2	9.6	10.5
WSW	.1	.6	1.2	5.0	.3	1.3	.2	.9	.1	.5	.0	.0	.0	.0	1.9	8.3	10.4
W	.2	.7	1.1	4.6	.2	1.0	.1	.5	.1	.3	.0	.1	.0	.0	1.7	7.4	10.2
WNW	.1	.3	.4	1.7	.1	.6	.1	.4	.1	.3	.0	.2	.0	.1	.8	3.6	12.5
NW	.1	.3	.3	1.1	.1	.5	.1	.2	.1	.3	.0	.1	.0	.0	.6	2.6	12.3
NNW	.0	.1	.2	.9	.1	.3	.1	.3	.0	.2	.0	.1	.0	.1	.5	2.0	13.2
CALM	.4	1.5													.4	1.5	
TOTAL	3.0	12.9	13.3	56.9	3.2	13.7	2.0	8.5	1.3	5.8	.4	1.7	.1	.5	23.3	100	10.1

ORH WORCESTER, MA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



AD-A108 155

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

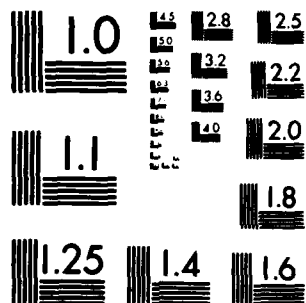
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)
JUN 81

DOT-FA79WAI-057

NL

UNCLASSIFIED

 $2 = 3$ $\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$



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

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: ORH WORCESTER, MA

CLASS 3 / DAY

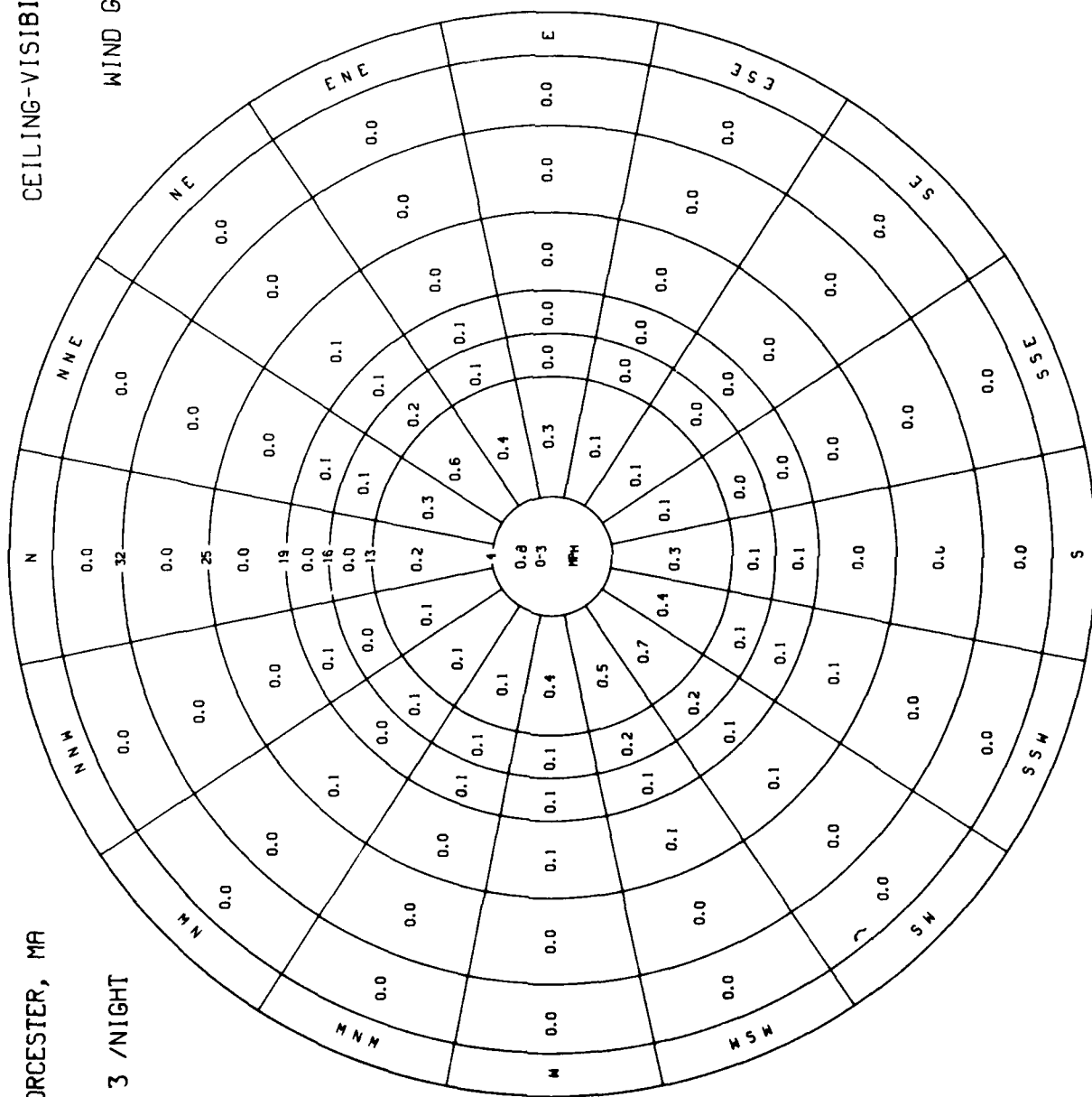
NO. OBS.: 4808

STATION NUMBER: 94746

D I R	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	2.4	.1	.9	.0	.5	.0	.4	.0	.1	.0	.0	.5	4.6	11.1
NNE	.0	.5	.3	3.2	.1	1.1	.1	.6	.0	.4	.0	.1	.0	.0	.6	5.8	10.7
NE	.1	.9	.6	5.9	.2	1.9	.1	1.1	.1	.8	.0	.1	.0	.0	1.1	10.7	11.1
ENE	.1	.7	.5	5.4	.2	1.5	.1	1.0	.1	.5	.0	.0	.0	.0	.9	9.2	10.7
E	.1	1.0	.3	3.5	.1	.9	.0	.3	.0	.0	.0	.0	.0	.0	.6	5.8	8.6
ESE	.1	.6	.1	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.1	7.1
SE	.1	.7	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.0	6.0
SSE	.1	.6	.1	1.2	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2	2.3	8.1
S	.1	1.2	.4	4.3	.1	1.3	.1	.5	.0	.4	.0	.1	.0	.0	.8	7.8	9.6
SSW	.1	.7	.5	5.4	.1	1.5	.1	.9	.1	.6	.0	.2	.0	.0	.9	9.2	10.8
SW	.1	.6	.7	7.1	.2	2.1	.1	1.3	.1	.7	.0	.1	.0	.0	1.2	11.9	10.9
WSW	.0	.5	.6	6.2	.1	1.3	.1	.8	.0	.5	.0	.1	.0	.0	.9	9.4	10.6
W	.1	.7	.4	4.0	.1	1.3	.1	.9	.1	.7	.0	.3	.0	.0	.8	7.9	11.7
WNW	.0	.2	.2	2.0	.1	1.0	.1	.6	.0	.4	.0	.2	.0	.1	.4	4.4	13.0
NW	.0	.2	.1	1.3	.1	.7	.1	.5	.1	.6	.0	.2	.0	.1	.4	3.6	14.3
NNW	.0	.1	.1	1.0	.1	.6	.0	.4	.0	.2	.0	.0	.0	.0	.2	2.4	12.9
CALM	.1	1.0													.1	1.0	
TOTAL	1.1	10.6	5.5	55.3	1.6	16.4	1.0	9.6	.6	6.2	.1	1.5	.0	.4	9.9	100	10.6

ORH WORCESTER, MA

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 94746

NO. OBS.: 3227

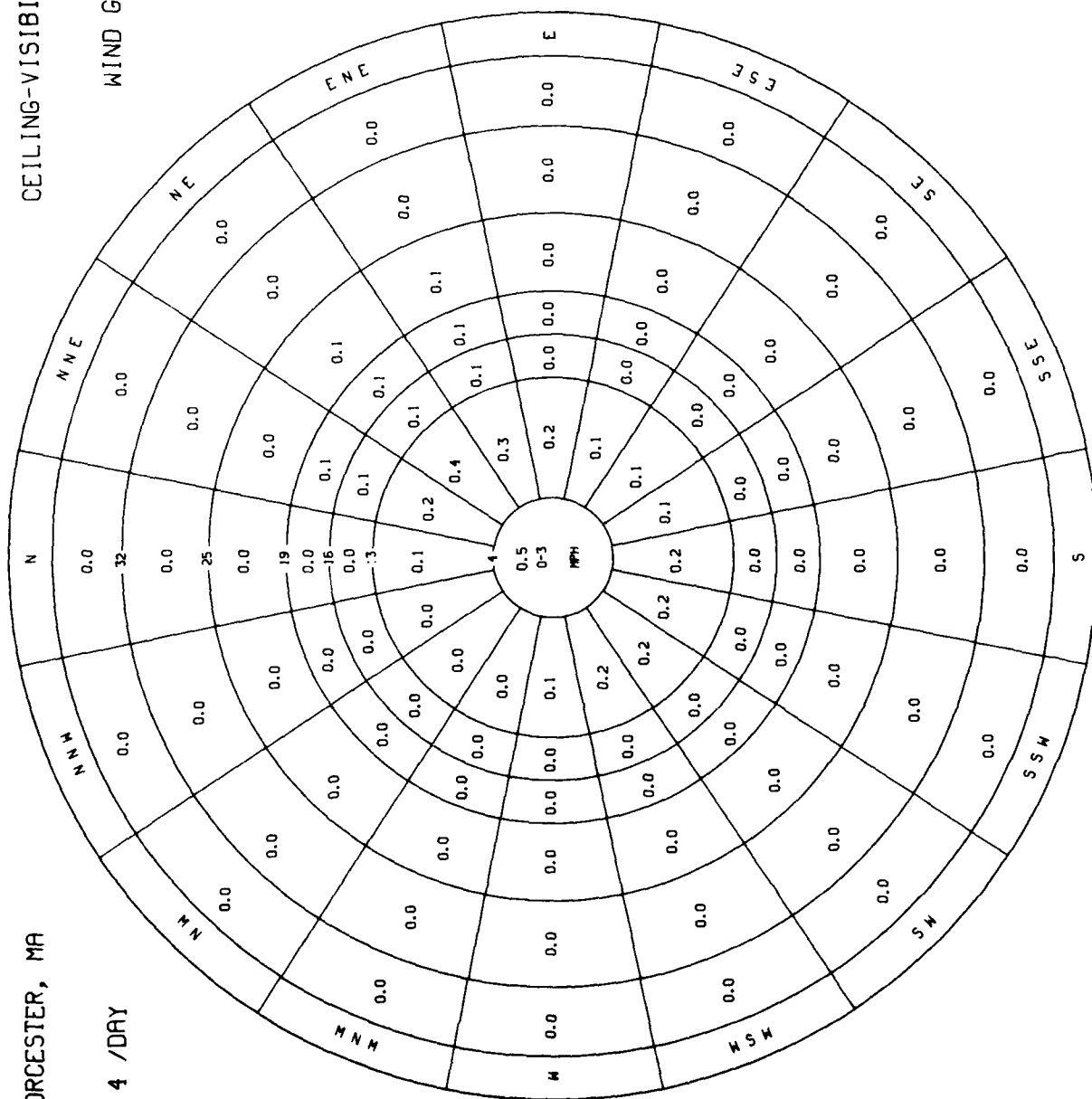
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	.6	.2	2.4	.0	.6	.0	.4	.0	.4	.0	.0	.0	.0	.0	.4	4.4	10.5
NNE	.0	.4	.3	3.3	.1	1.1	.1	.9	.0	.3	.0	.1	.0	.0	.0	.6	6.3	11.6
NE	.1	.9	.6	6.4	.2	2.1	.1	1.1	.1	1.3	.0	.4	.0	.1	.1	1.1	12.3	11.8
ENE	.0	.4	.4	4.2	.1	1.1	.1	.9	.0	.3	.0	.1	.0	.0	.6	6.9	11.0	
E	.1	.8	.3	2.9	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.4	4.6	8.5	
ESE	.0	.5	.1	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.1	7.4	
SE	.0	.5	.1	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2	1.9	8.0	
SSE	.1	.6	.1	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.4	7.6	
S	.1	.6	.3	3.7	.1	.8	.1	.8	.0	.3	.0	.3	.0	.1	.6	6.6	10.8	
SSW	.0	.4	.4	5.0	.1	1.6	.1	.7	.1	.7	.0	.2	.0	.1	.8	8.6	11.6	
SW	.1	.6	.7	7.7	.2	2.1	.1	1.6	.1	.9	.0	.2	.0	.1	1.2	13.2	11.6	
WSW	.1	.6	.5	5.9	.2	2.0	.1	1.6	.1	1.0	.0	.0	.0	.0	1.0	11.0	11.6	
W	.1	.8	.4	4.8	.1	1.3	.1	.9	.1	.7	.0	.2	.0	.0	.8	8.6	11.1	
WNW	.0	.4	.1	1.3	.1	.8	.1	.8	.0	.4	.0	.3	.0	.1	.4	4.0	13.9	
NW	.0	.2	.1	1.2	.1	.7	.0	.4	.1	.6	.0	.3	.0	.1	.3	3.5	14.6	
NNW	.0	.1	.1	1.1	.0	.5	.1	.7	.0	.3	.0	.1	.0	.0	.3	2.8	13.6	
CALM	.1	.8													.1	.8		
TOTAL	.8	9.1	4.8	53.8	1.4	15.6	1.0	11.2	.7	7.5	.2	2.2	.0	.5	8.9	100	11.2	

CEILING-VISIBILITY

WIND GRAPH

ORH WORCESTER, MA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 4 / DAY

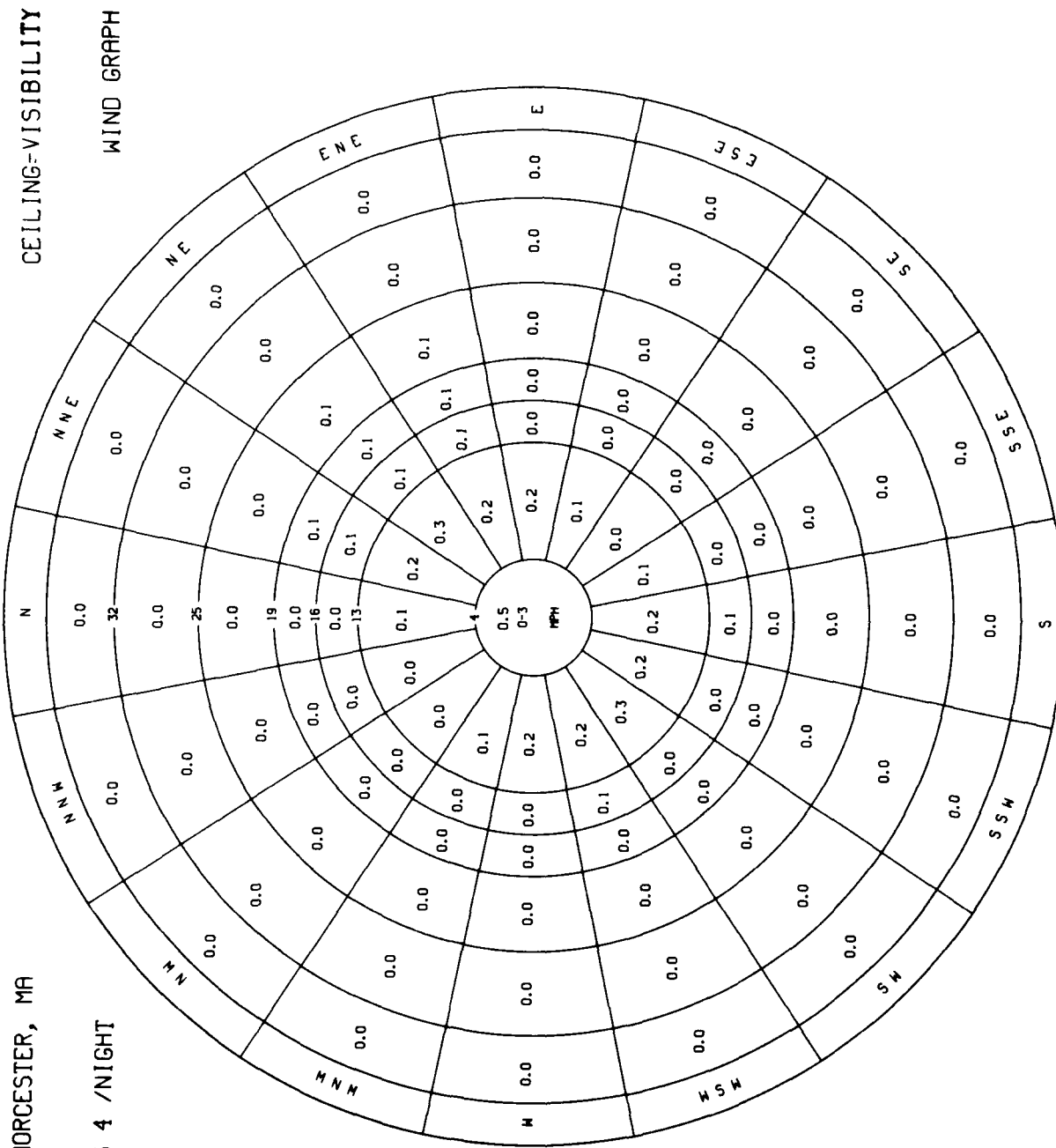
STATION NUMBER: 94746

NO. OBS.: 2124

D I R	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	1.7	.0	.5	.0	.3	.0	.4	.0	.0	.0	.0	.2	3.8	9.3
NNE	.0	.7	.2	4.9	.1	1.2	.1	1.2	.0	.4	.0	.2	.0	.1	.4	8.7	11.3
NE	.0	1.1	.4	8.9	.1	3.3	.1	2.0	.1	1.9	.0	.7	.0	.0	.8	17.9	12.3
ENE	.0	.7	.3	6.1	.1	2.7	.1	1.7	.1	1.3	.0	.8	.0	.0	.6	13.4	12.7
E	.0	.8	.2	3.8	.0	1.0	.0	.6	.0	.6	.0	.2	.0	.0	.3	6.9	10.4
ESE	.0	.8	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	7.0
SE	.0	.8	.1	2.0	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.2	3.4	7.5
SSE	.0	1.0	.1	1.7	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.2	3.5	8.8
S	.0	.8	.2	5.1	.0	1.0	.0	.5	.0	.4	.0	.0	.0	.0	.3	7.8	9.6
SSW	.0	.4	.2	4.0	.0	.8	.0	.5	.0	.4	.0	.0	.0	.0	.3	6.2	9.9
SW	.0	1.0	.2	5.7	.0	1.1	.0	.9	.0	.3	.0	.0	.0	.0	.4	9.0	9.6
WSW	.0	.6	.2	4.1	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.3	6.4	9.5
W	.0	.7	.1	2.5	.0	.7	.0	.6	.0	.1	.0	.0	.0	.0	.2	4.6	9.9
WNW	.0	.2	.0	.9	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.1	1.6	11.2
NW	.0	.0	.0	.7	.0	.3	.0	.1	.0	.4	.0	.1	.0	.0	.1	1.6	14.8
NNW	.0	.1	.0	.5	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	1.4	13.7
CALM	.0	1.0													.0	1.0	
TOTAL	5	11.4	2.4	54.3	.7	15.0	.4	9.7	.3	6.7	.1	2.4	.0	.3	4.4	100	10.6

ORH WORCESTER, MA

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 94746

NO. OBS.: 1642

D I R	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
N	.0	.5	.1	2.4	.0	.7	.0	.1	.0	.5	.0	.2	.0	.0	.2	4.4	11.2
NNE	.0	.7	.2	4.6	.1	1.8	.1	1.3	.0	.8	.0	.2	.0	.1	.4	9.5	11.9
NE	.0	.8	.3	7.1	.1	2.9	.1	2.5	.1	2.3	.0	.5	.0	.2	.7	16.3	13.3
ENE	.0	.7	.2	4.8	.1	2.1	.1	1.6	.1	1.4	.0	.4	.0	.0	.5	10.9	12.8
E	.0	.9	.2	3.5	.0	.8	.0	.8	.0	.4	.0	.0	.0	.0	.3	6.4	10.0
ESE	.0	.7	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.1	.0	.1	.1	2.3	7.5
SE	.0	.5	.0	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.6	6.7
SSE	.0	.5	.1	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.1	7.5
S	.1	1.6	.2	4.7	.1	1.2	.0	.3	.0	.4	.0	.2	.0	.0	.4	8.3	9.1
SSW	.0	.4	.2	4.7	.0	1.1	.0	.5	.0	.2	.0	.0	.0	.0	.3	6.9	9.8
SW	.0	.7	.3	7.1	.0	.8	.0	1.0	.0	.2	.0	.2	.0	.0	.5	10.0	9.7
WSW	.0	.5	.2	4.3	.1	1.5	.0	.9	.0	.4	.0	.0	.0	.1	.3	7.6	10.8
W	.0	.5	.2	4.1	.0	1.0	.0	.4	.0	.2	.0	.1	.0	.0	.3	6.3	9.9
WNW	.0	.1	.1	1.2	.0	.6	.0	.4	.0	.4	.0	.0	.0	.0	.1	2.7	12.5
NW	.0	.2	.0	.9	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	1.8	10.5
NNW	.0	.2	.0	.7	.0	.3	.0	.1	.0	.3	.0	.1	.0	.1	.1	1.8	13.3
CALM	.0	1.1													.0	1.1	
TOTAL	.5	10.7	2.4	53.5	.7	15.3	.5	10.4	.4	7.7	.1	2.0	.0	.4	.4	5	10.9

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 5 / DAY

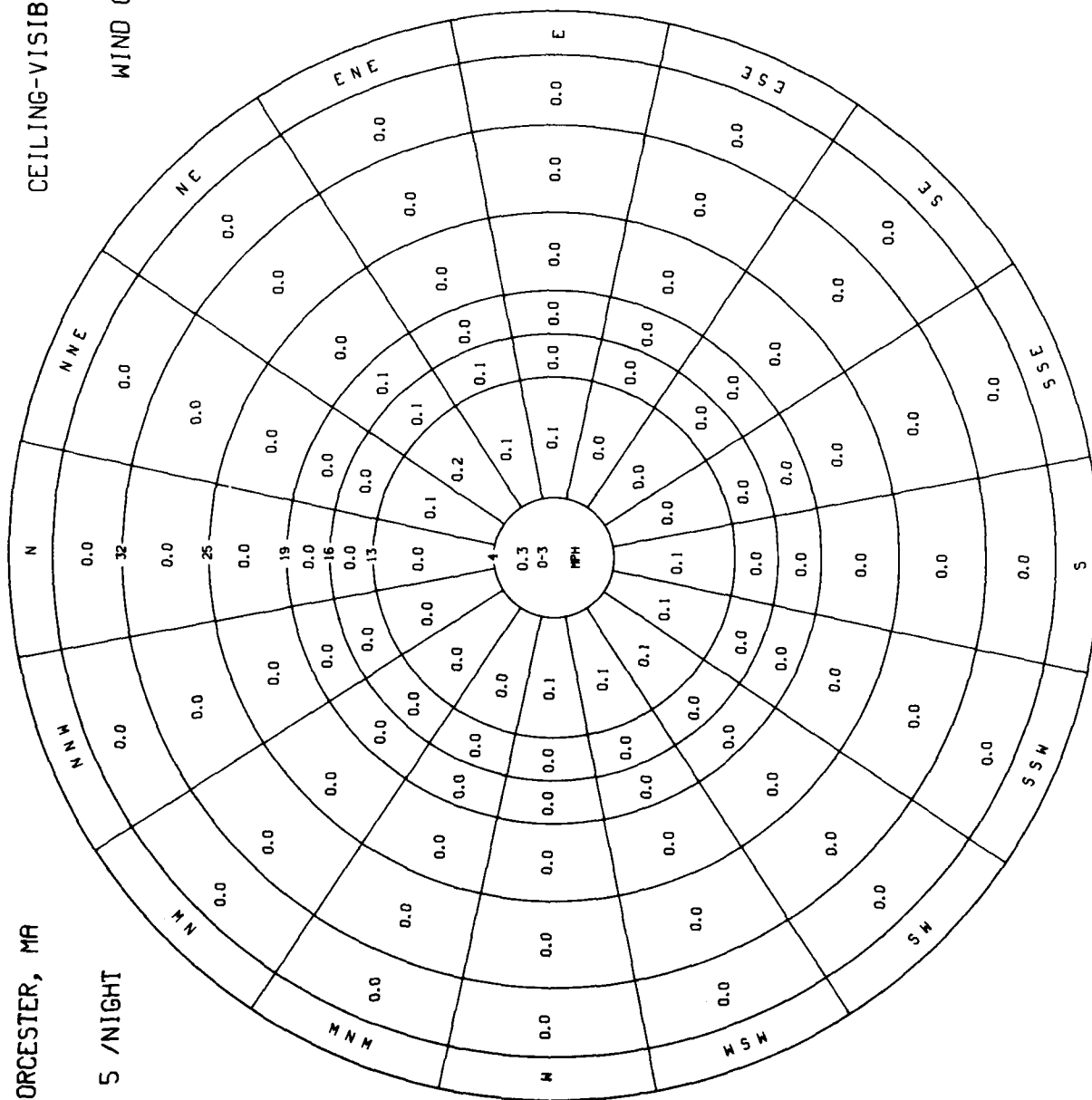
STATION NUMBER: 94746

NO. OBS.: 832

D I R	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	2.6	.0	.7	.0	.5	.0	.2	.0	.2	.0	.4	.1	5.8	11.6
NNE	.0	.8	.1	4.3	.0	1.4	.0	.8	.0	.6	.0	.4	.0	.0	.1	8.4	11.1
NE	.0	.6	.2	9.7	.1	4.2	.0	2.0	.0	2.3	.0	1.1	.0	.4	.3	20.3	13.5
ENE	.0	.4	.1	8.1	.1	3.5	.1	3.2	.0	1.7	.0	.4	.0	.0	.3	17.2	12.8
E	.0	.6	.1	4.0	.0	1.0	.0	1.4	.0	.8	.0	.1	.0	.0	.1	7.9	11.7
ESE	.0	1.2	.0	1.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	6.5
SE	.0	.6	.0	2.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.5	7.4
SSE	.0	.4	.0	1.8	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.5	8.5
S	.0	.5	.1	4.4	.0	.5	.0	.4	.0	.1	.0	.1	.0	.0	.1	6.0	9.1
SSW	.0	.2	.1	3.8	.0	1.0	.0	.7	.0	.1	.0	.0	.0	.0	.1	5.9	10.3
SW	.0	1.0	.1	3.2	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.1	5.2	8.3
WSW	.0	.5	.1	3.2	.0	.2	.0	.5	.0	.1	.0	.0	.0	.0	.1	4.6	8.8
W	.0	.5	.0	2.8	.0	.8	.0	.0	.0	.4	.0	.2	.0	.0	.1	4.7	11.0
WNW	.0	.2	.0	.4	.0	.0	.0	.1	.0	.4	.0	.1	.0	.2	.0	1.4	17.2
NW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.6	9.2
NNW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.4	.0	.4	.0	.1	.0	1.4	17.7
CALM	.0	1.1													.0	1.1	
TOTAL	.2	10.1	.9	53.6	.3	14.7	.2	10.1	.1	7.3	.1	3.1	.0	1.1	1.7	100	11.2

ORH WORCESTER, MA
 CLASS 5 /NIGHT

CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 94746

NO. OBS.: 757

D I R	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	
N	.0	.9	.0	1.6	.0	.8	.0	.1	.0	.5	.0	.3	.0	.1	.1 4.4
NNE	.0	1.2	.1	5.3	.0	1.3	.0	1.5	.0	.7	.0	.3	.0	.0	.2 10.2
NE	.0	.5	.2	9.9	.1	4.9	.1	2.5	.0	2.4	.0	.7	.0	.1	.4 21.0
ENE	.0	.9	.1	6.6	.1	2.5	.0	1.7	.0	1.3	.0	.4	.0	.0	.3 13.5
E	.0	1.2	.1	3.6	.0	.9	.0	.9	.0	.1	.0	.0	.0	.0	.1 6.7
ESE	.0	.7	.0	1.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0 2.1
SE	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SSE	.0	.7	.0	1.8	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.0
S	.0	1.6	.1	3.6	.0	1.2	.0	.1	.0	.3	.0	.0	.0	.0	.1 6.7
SSW	.0	.8	.1	3.7	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	.1 5.4
SW	.0	.9	.1	4.9	.0	1.5	.0	.9	.0	.5	.0	.0	.0	.0	.2 8.7
WSW	.0	.1	.1	4.5	.0	.1	.0	.7	.0	.0	.0	.0	.0	.0	.1 5.4
W	.0	.8	.1	3.6	.0	.5	.0	.1	.0	.1	.0	.1	.0	.1	.1 5.4
WNW	.0	.5	.0	1.3	.0	.4	.0	.0	.0	.1	.0	.1	.0	.3	.1 2.8
NW	.0	.3	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0 .8
NNW	.0	.0	.0	.7	.0	.0	.0	.1	.0	.0	.0	.1	.0	.3	.0 1.2
CALM	.0	1.2													.0 1.2
TOTAL	.3	12.5	1.1	53.5	.3	15.3	.2	9.1	.1	6.5	.0	2.0	.0	1.1	2.1 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: ORH WORCESTER, MA

CLASS 6 / DAY

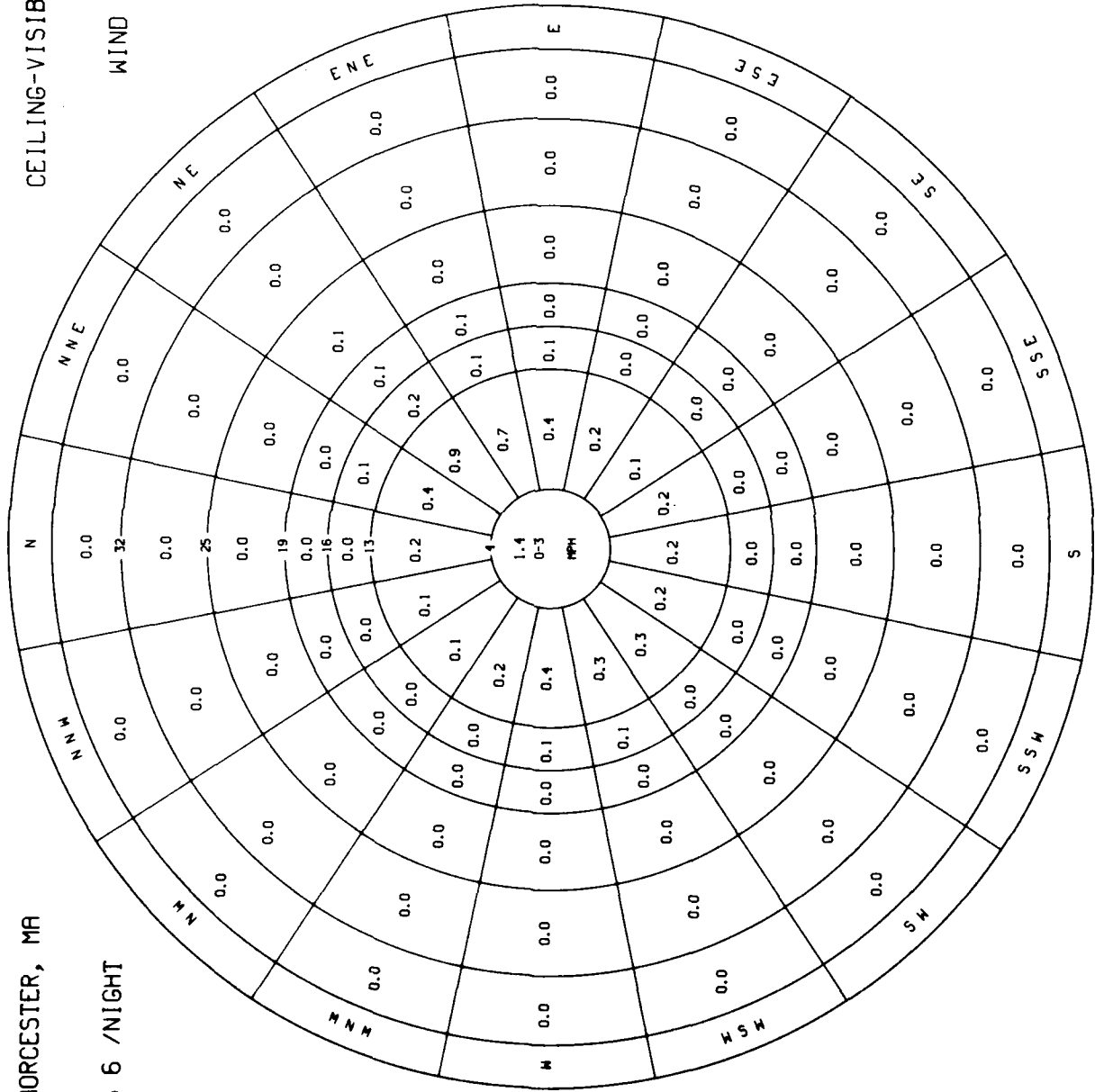
NO. OBS.: 2207

STATION NUMBER: 94746

D I R	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	
N	.0	.5	.1	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.2
NNE	.0	.7	.2	5.3	.0	.9	.0	.3	.0	.3	.0	.3	.0	.1	.4 7.9
N	.1	1.9	.6	12.7	.2	3.3	.1	1.5	.1	1.2	.0	.3	.0	.1	1.0 21.0
ENE	.1	1.7	.6	12.4	.2	3.5	.1	1.4	.0	.9	.0	.1	.0	.0	.9 20.1
E	.1	2.4	.3	7.2	.1	1.1	.0	.6	.0	.3	.0	.0	.0	.0	.5 11.6
ESE	.1	1.5	.2	3.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2 5.4
SE	.0	1.1	.1	2.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.2 4.3
SSE	.1	1.1	.1	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.4
S	.0	1.0	.1	2.9	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.2 4.7
SSW	.0	.5	.1	2.9	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.2 3.9
SW	.0	.6	.1	3.1	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.2 4.5
WSW	.0	.3	.1	2.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.2 3.3
W	.0	.7	.1	2.5	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.2 3.6
WNW	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
NW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
NNW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
CALM	.1	2.4													.1 2.4
TOTAL	.8	17.0	2.8	62.0	.5	11.5	.2	5.4	.1	2.9	.0	.8	.0	.4	4.5 100
															8.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORH WORCESTER, MA

PERIOD: 1949-1978

CLASS 6 / NIGHT

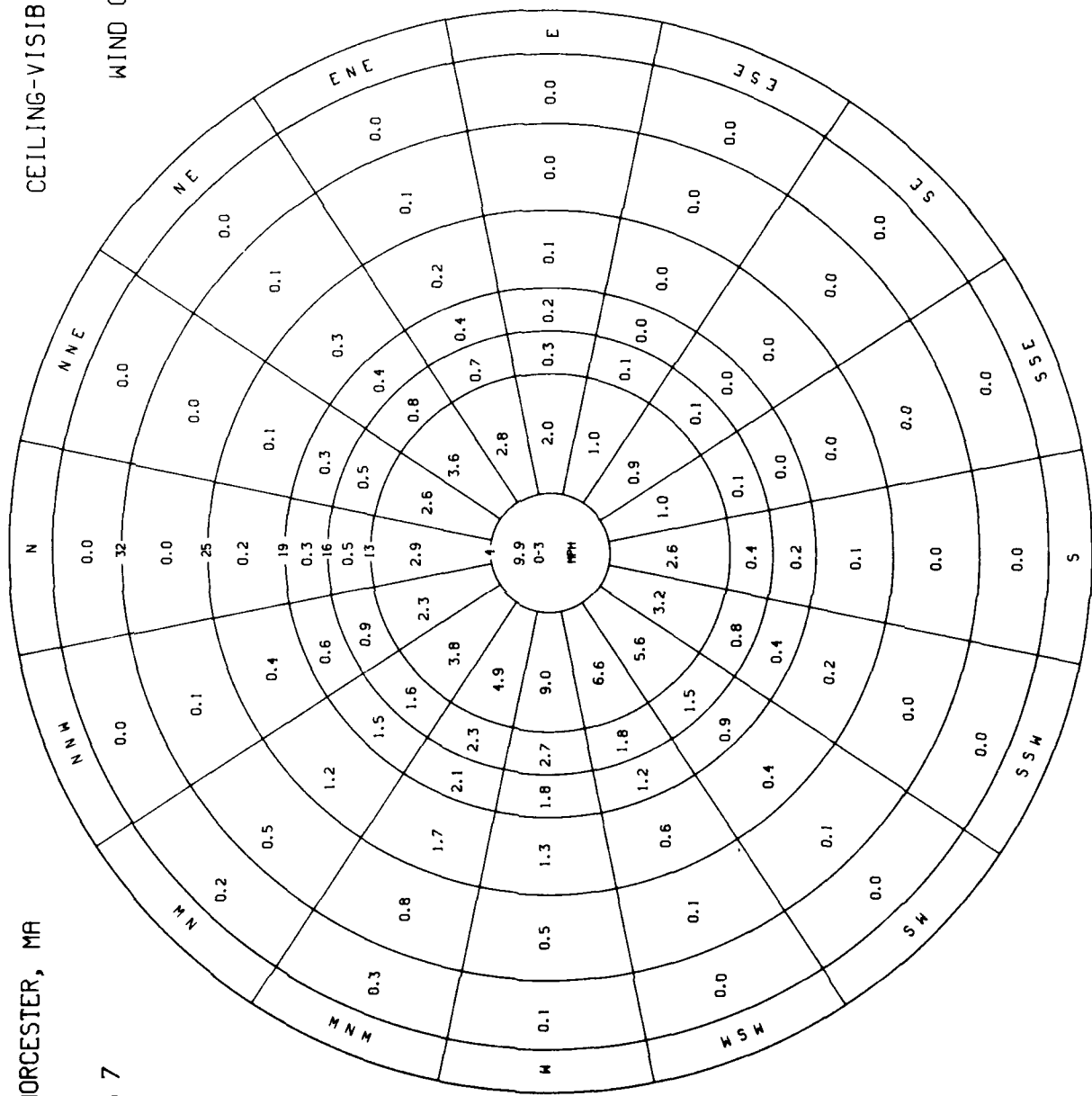
STATION NUMBER: 94746

NO. OBS.: 2794

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
															C	D			
N	.1	.8	.2	2.8	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.3	4.0	7.6		
NNE	.1	1.6	.4	5.2	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.6	7.9	7.7		
NE	.2	2.3	.9	12.2	.2	2.2	.1	1.0	.1	.8	.0	.1	.0	.1	1.5	18.9	9.5		
ENE	.1	1.9	.7	8.4	.1	1.7	.1	.9	.0	.5	.0	.2	.0	.0	1.1	13.6	9.4		
E	.1	1.4	.4	5.1	.1	.7	.0	.5	.0	.2	.0	.1	.0	.0	.6	7.9	8.4		
ESE	.1	.9	.2	2.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.7	6.7		
SE	.1	1.1	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.1	5.8		
SSE	.1	.7	.2	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.8	6.2		
S	.1	1.6	.2	2.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	4.5	6.7		
SSW	.1	.7	.2	2.9	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.3	4.3	8.0		
SW	.0	.5	.3	4.2	.0	.6	.0	.1	.0	.0	.0	.1	.0	.0	.4	5.4	8.5		
WSW	.1	.8	.3	4.5	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	.5	6.4	8.2		
W	.1	.8	.4	4.9	.1	.9	.0	.3	.0	.1	.0	.1	.0	.1	.6	7.1	9.1		
WNW	.0	.3	.2	2.5	.0	.6	.0	.1	.0	.3	.0	.1	.0	.0	.3	3.9	11.0		
NW	.0	.4	.1	1.4	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.5	9.0		
NNW	.0	.2	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.1	.1	1.3	11.2		
CALM	.2	2.6													.2	2.6			
TOTAL	1.4	18.7	4.9	63.6	.8	10.1	.3	4.0	.2	2.4	.1	.8	.0	.4	7.7	100	8.3		

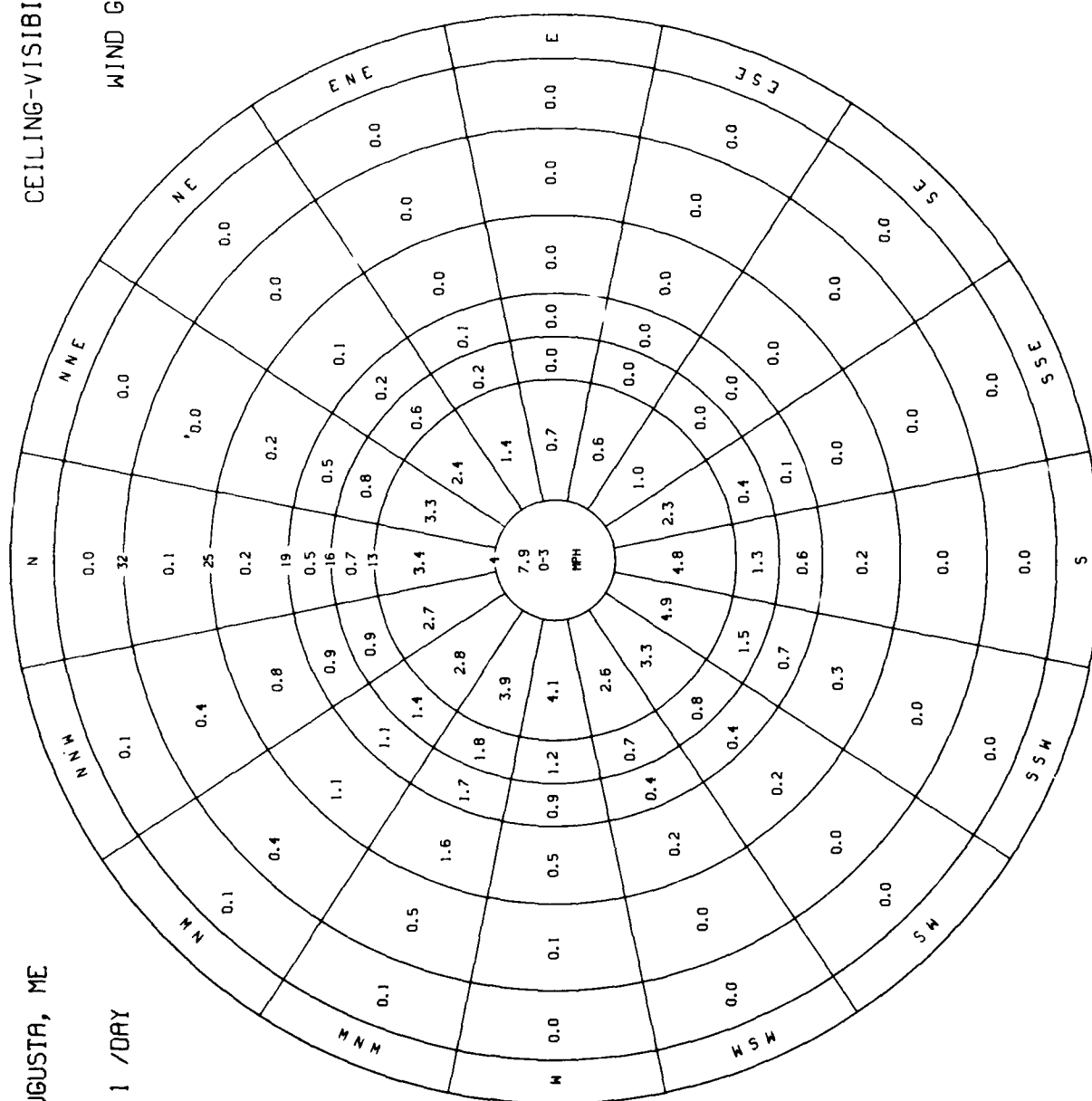
CEILING-VISIBILITY

WIND GRAPH



AUG AUGUSTA, ME

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 1 / DAY

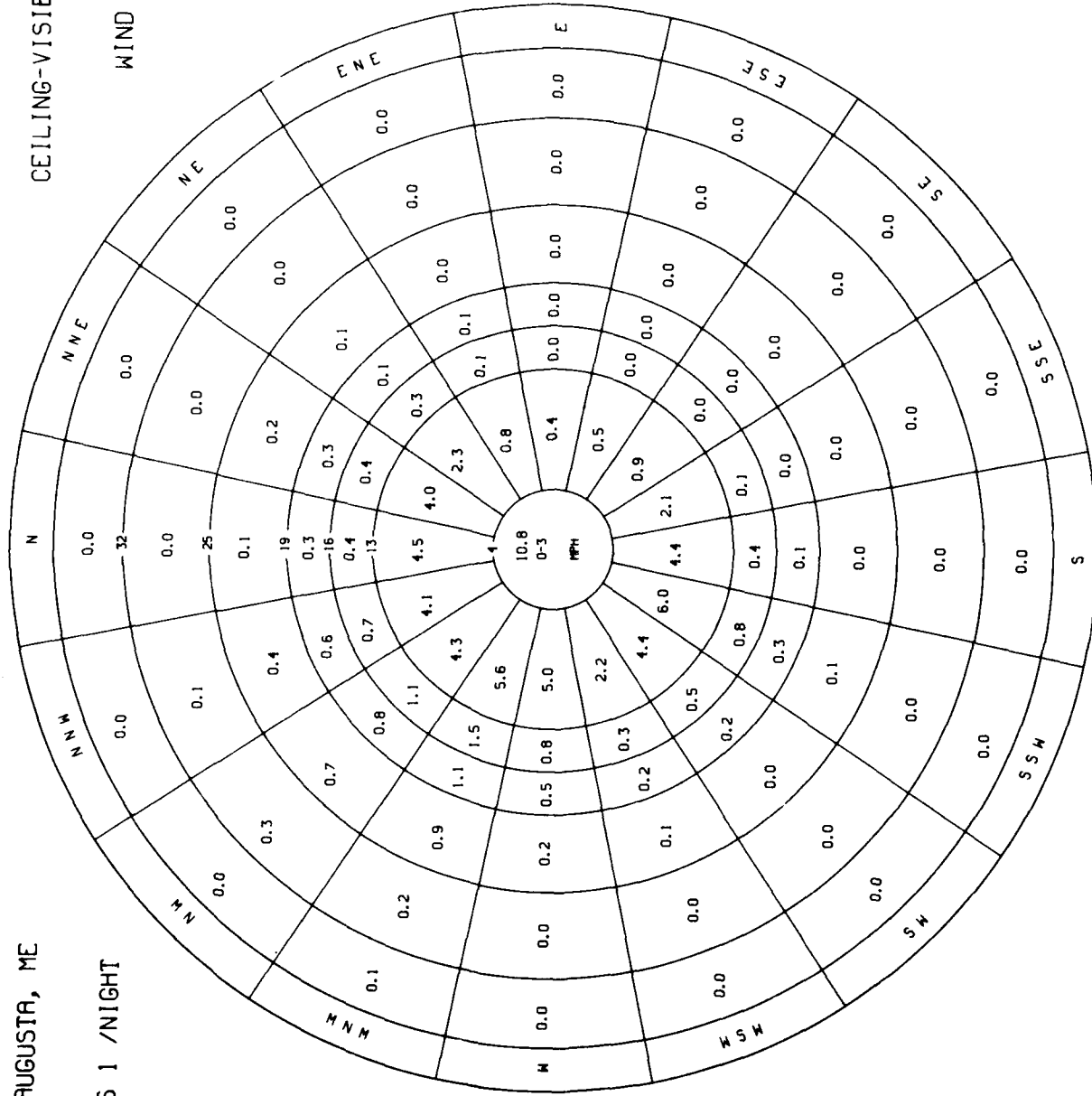
STATION NUMBER: 14605

NO. OBS.: 14777

D I R	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	3.4	4.2	.7	.9	.5	.7	.2	.3	.1	.1	.0	.0	5.3	6.6	10.4
NNE	.4	.4	3.3	4.1	.8	1.0	.5	.6	.2	.3	.0	.0	.0	.0	5.1	6.4	10.5
NE	.4	.5	2.4	3.0	.6	.7	.2	.2	.1	.1	.0	.0	.0	.0	3.7	4.6	9.7
ENE	.3	.3	1.4	1.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.6	8.9
E	.2	.2	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.2	7.3
ESE	.2	.2	.6	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	7.0
SE	.2	.3	1.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.6	7.0
SSE	.3	.4	2.3	2.8	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.1	3.9	9.0
S	.3	.4	4.8	5.9	1.3	1.6	.6	.7	.2	.2	.0	.0	.0	.0	7.1	8.8	10.5
SSW	.2	.3	4.9	6.2	1.5	1.9	.7	.9	.3	.4	.0	.1	.0	.0	7.8	9.7	11.1
SW	.3	.4	3.3	4.2	.8	1.0	.4	.5	.2	.2	.0	.0	.0	.0	5.1	6.3	10.3
WSW	.2	.3	2.6	3.3	.7	.9	.4	.5	.2	.2	.0	.0	.0	.0	4.2	5.2	10.7
W	.3	.3	4.1	5.1	1.2	1.5	.9	1.1	.5	.7	.1	.1	.0	.0	7.1	8.8	11.8
WNW	.2	.3	3.9	4.9	1.8	2.2	1.7	2.1	1.6	2.0	.5	.7	.1	.1	9.8	12.2	14.6
NW	.2	.3	2.8	3.5	1.4	1.8	1.1	1.4	1.1	1.4	.4	.5	.1	.2	7.2	9.0	14.5
NNW	.1	.1	2.7	3.4	.9	1.2	.9	1.1	.8	.9	.4	.5	.1	.1	5.8	7.3	13.8
CALM	3.8	4.8													3.8	4.8	
TOTAL	7.9	9.9	44.3	55.3	12.4	15.4	8.2	10.3	5.4	6.8	1.6	2.0	.3	.4	80.2	100	11.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: AUG AUGUSTA, ME

CLASS 1 / NIGHT

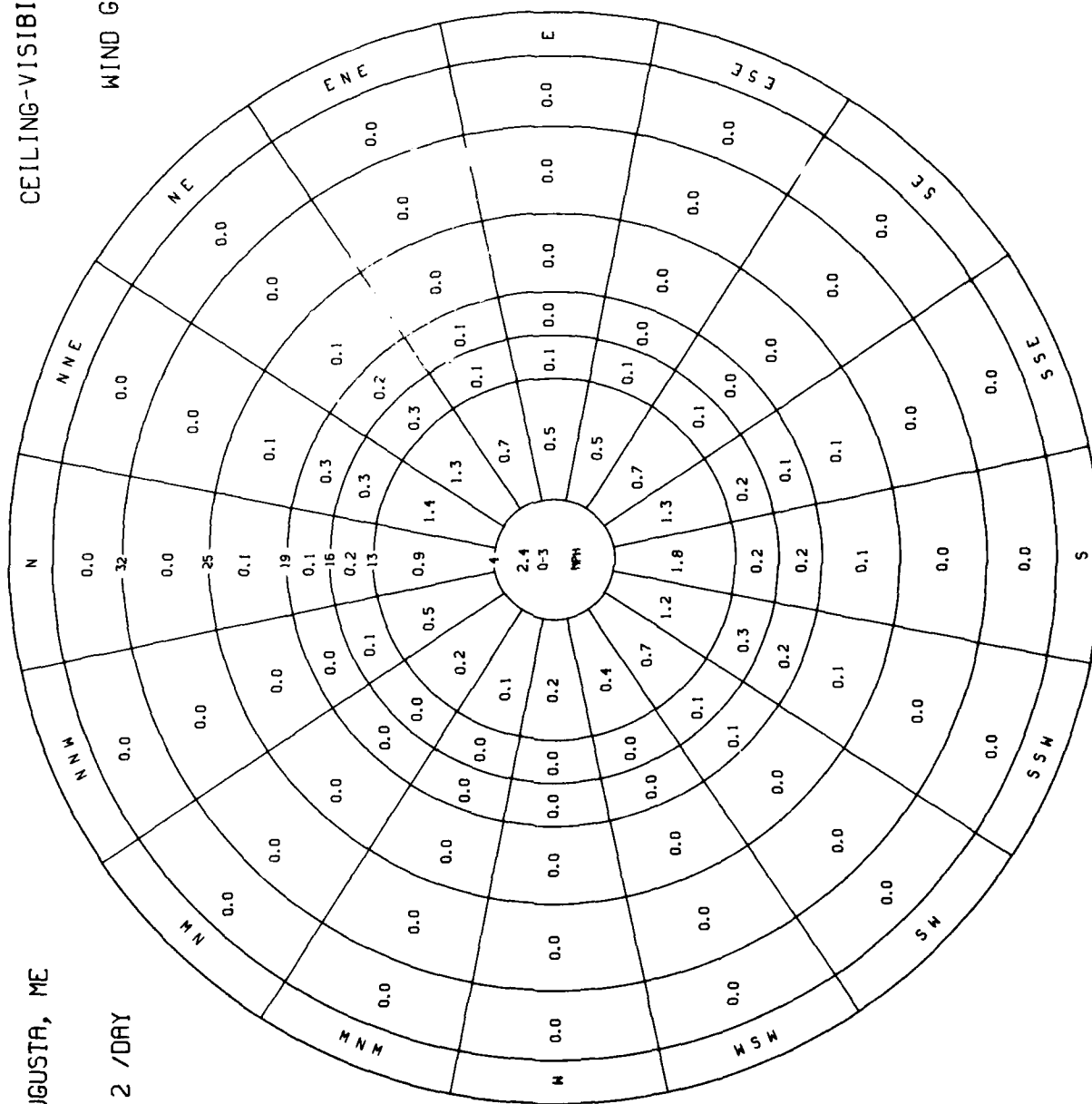
NO. OBS.: 10697

STATION NUMBER: 14605

D I R	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	.6	4.5	5.8	.4	.5	.3	.4	.1	.2	.0	.0	.0	.0	5.8	7.5	8.5	
NNE	.5	.7	4.0	5.1	.4	.6	.3	.4	.2	.2	.0	.0	.0	.0	5.5	7.0	9.0	
NE	.5	.6	2.3	2.9	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	3.2	4.1	8.5	
ENE	.2	.3	.8	1.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.2	1.5	8.1	
E	.2	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	5.9	
ESE	.2	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	6.4	
SE	.3	.4	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	6.0	
SSE	.4	.5	2.1	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.3	7.0	
S	.6	.7	4.4	5.7	.4	.5	.1	.2	.0	.1	.0	.0	.0	.0	5.6	7.2	8.0	
SSW	.4	.5	6.0	7.6	.8	1.0	.3	.4	.1	.1	.0	.0	.0	.0	7.5	9.6	9.2	
SW	.6	.8	4.4	5.6	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	5.7	7.3	8.5	
WSW	.3	.4	2.2	2.8	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	3.0	3.9	9.2	
W	.4	.5	5.0	6.4	.8	1.0	.5	.7	.2	.2	.0	.0	.0	.0	7.0	8.9	10.0	
WNW	.3	.4	5.6	7.1	1.5	2.0	1.1	1.4	.9	1.1	.2	.3	.1	.1	9.8	12.5	12.3	
NW	.3	.4	4.3	5.5	1.1	1.3	.8	1.0	.7	.9	.3	.4	.0	.0	7.4	9.5	12.0	
NNW	.3	.4	4.1	5.2	.7	.9	.6	.8	.4	.6	.1	.1	.0	.0	6.3	8.0	11.1	
CALM	5.0	6.4													5.0	6.4		
TOTAL	10.8	13.9	51.3	65.7	7.4	9.5	4.8	6.2	2.8	3.6	.8	1.0	.2	.2	78.1	100	9.1	

AUG AUGUSTA, ME

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 14605

NO. OBS.: 3651

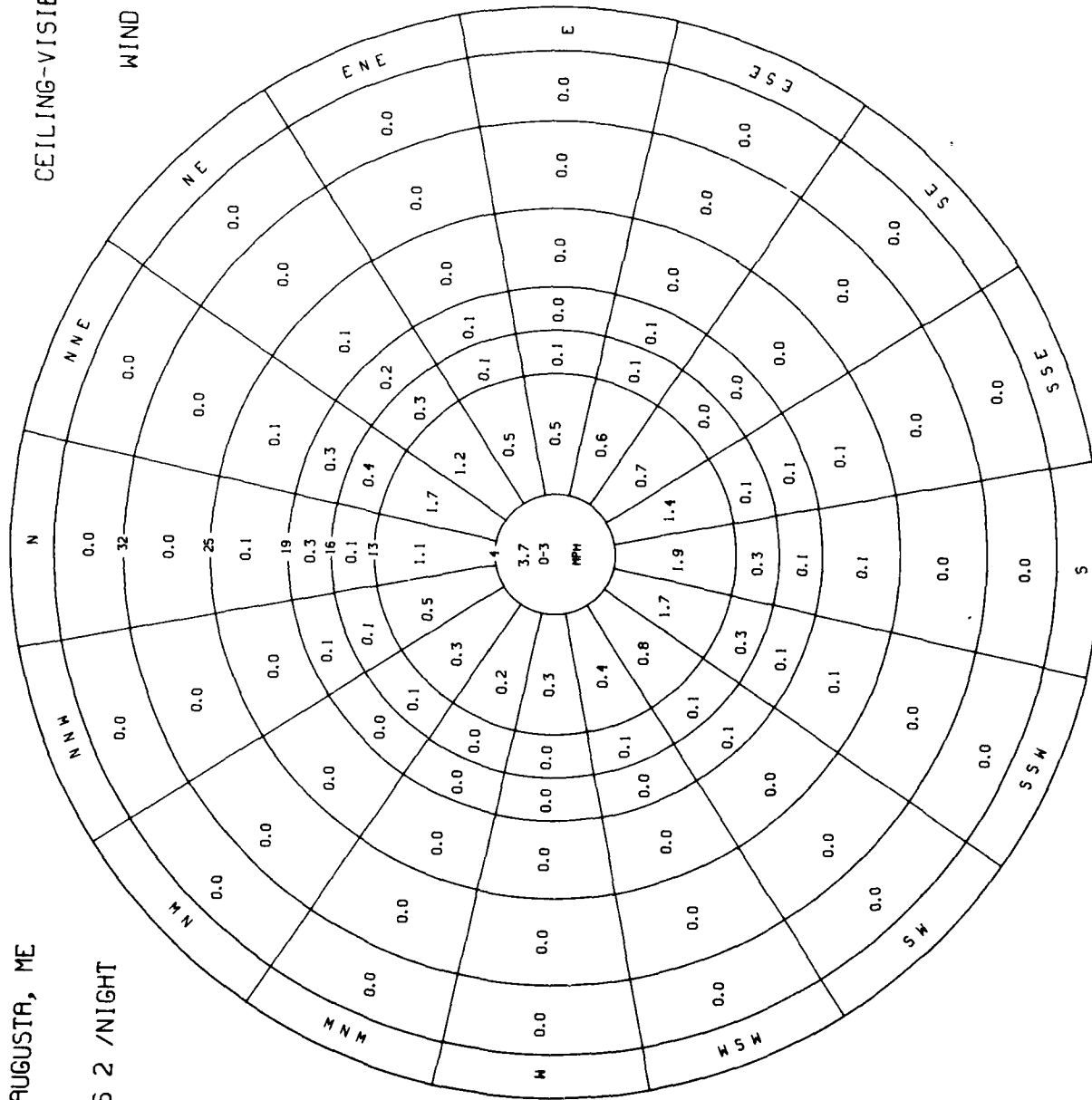
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.5	.9	4.7	.2	.8	.1	.7	.1	.3	.0	.1	.0	.1	1.4	7.1	10.5
NNE	.1	.4	1.4	7.1	.3	1.7	.3	1.6	.1	.7	.0	.2	.0	.1	2.3	11.9	11.6
NE	.1	.5	1.3	6.5	.3	1.8	.2	1.2	.1	.6	.0	.1	.0	.0	2.1	10.7	11.3
ENE	.0	.2	.7	3.6	.1	.7	.1	.4	.0	.1	.0	.1	.0	.1	1.0	5.1	10.8
E	.1	.3	.5	2.5	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.7	3.6	8.9
ESE	.1	.5	.5	2.5	.1	.5	.0	.2	.0	.2	.0	.0	.0	.1	.8	4.0	9.7
SE	.1	.6	.7	3.5	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.9	4.7	8.2
SSE	.1	.6	1.3	6.6	.2	1.0	.1	.4	.1	.5	.0	.2	.0	.1	1.9	9.4	10.1
S	.2	.8	1.8	9.2	.2	1.1	.2	1.1	.1	.5	.0	.1	.0	.0	2.5	12.7	10.0
SSW	.1	.5	1.2	6.1	.3	1.7	.2	.8	.1	.4	.0	.1	.0	.0	1.9	9.6	10.8
SW	.1	.7	.7	3.5	.1	.4	.1	.3	.0	.2	.0	.0	.0	.0	1.0	5.2	9.3
WSW	.1	.3	.4	1.9	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.5	2.6	8.9
W	.0	.2	.2	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.6	8.7
WNW	.0	.1	.1	.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.1	.2	1.3	11.1
NW	.0	.2	.2	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.6	9.8
NNW	.0	.1	.5	2.4	.1	.3	.0	.1	.0	.2	.0	.1	.0	.0	.6	3.3	10.3
CALM	1.1	5.7													1.1	5.7	
TOTAL	2.4	12.2	12.5	63.2	2.2	11.2	1.5	7.6	.9	4.3	.2	1.0	.1	.5	19.8	100	9.7

AUG AUGUSTA, ME

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14605

NO. OBS.: 3004

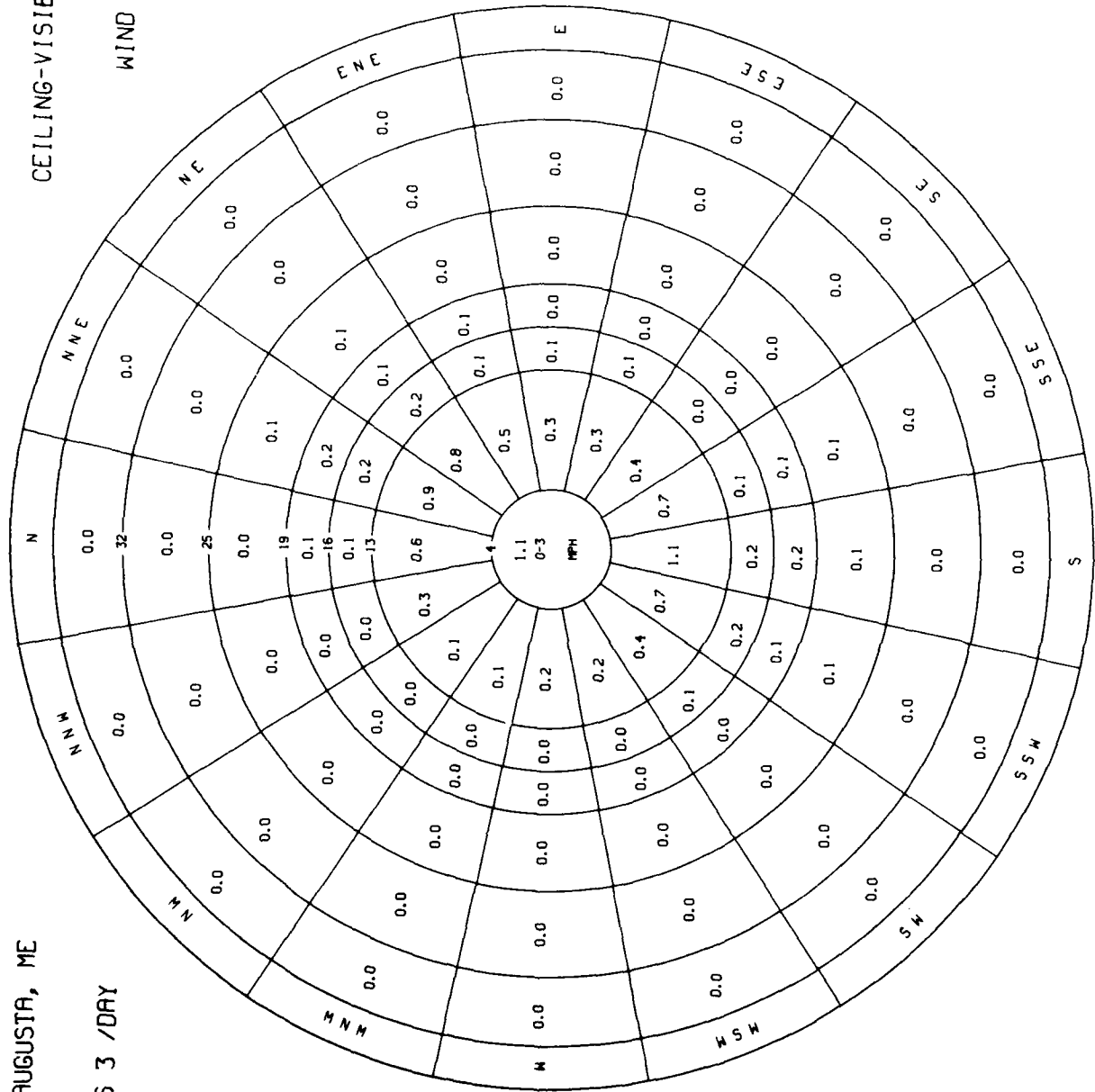
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.7	1.1	5.0	.1	.5	.3	1.2	.1	.3	.0	.1	.0	.0	1.7	7.7	9.8
NNE	.1	.6	1.7	7.8	.4	2.0	.3	1.4	.1	.6	.0	.1	.0	.1	2.8	12.7	11.3
NE	.1	.5	1.2	5.4	.3	1.5	.2	1.0	.1	.4	.0	.0	.0	.1	1.9	8.8	10.9
ENE	.1	.3	.5	2.1	.1	.3	.1	.5	.0	.2	.0	.0	.0	.0	.7	3.3	10.6
E	.1	.3	.5	2.2	.1	.3	.0	.2	.0	.1	.0	.1	.0	.0	.7	3.1	8.4
ESE	.1	.3	.6	2.7	.1	.2	.1	.2	.0	.1	.0	.1	.0	.1	.8	3.8	9.9
SE	.2	.7	.7	3.1	.0	.1	.0	.2	.0	.0	.0	.1	.0	.1	.9	4.3	8.5
SSE	.1	.3	1.4	6.2	.1	.6	.1	.3	.1	.3	.0	.2	.0	.1	1.8	8.1	9.7
S	.3	1.4	1.9	8.5	.3	1.2	.1	.5	.1	.6	.0	.1	.0	.0	2.7	12.2	9.2
SSW	.2	1.1	1.7	7.8	.3	1.2	.1	.7	.1	.4	.0	.1	.0	.0	2.5	11.3	9.7
SW	.1	.6	.8	3.4	.1	.5	.1	.2	.0	.0	.0	.0	.0	.0	1.1	4.9	8.5
WSW	.1	.3	.4	1.7	.1	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5	2.4	8.4
W	.1	.3	.3	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	1.8	8.0
WNW	.0	.2	.2	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.5	10.1
NW	.0	.2	.3	1.3	.1	.3	.0	.1	.0	.2	.0	.1	.0	.0	.5	2.1	10.0
NNW	.1	.3	.5	2.4	.1	.2	.1	.3	.0	.0	.0	.0	.0	.1	.7	3.3	10.2
CALM	1.9	8.7													1.9	8.7	
TOTAL	3.7	16.9	13.5	61.8	2.0	9.3	1.5	6.9	.8	3.4	.2	1.0	.2	.7	21.9	100	9.0

AUG AUGUSTA, ME

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 3 / DAY

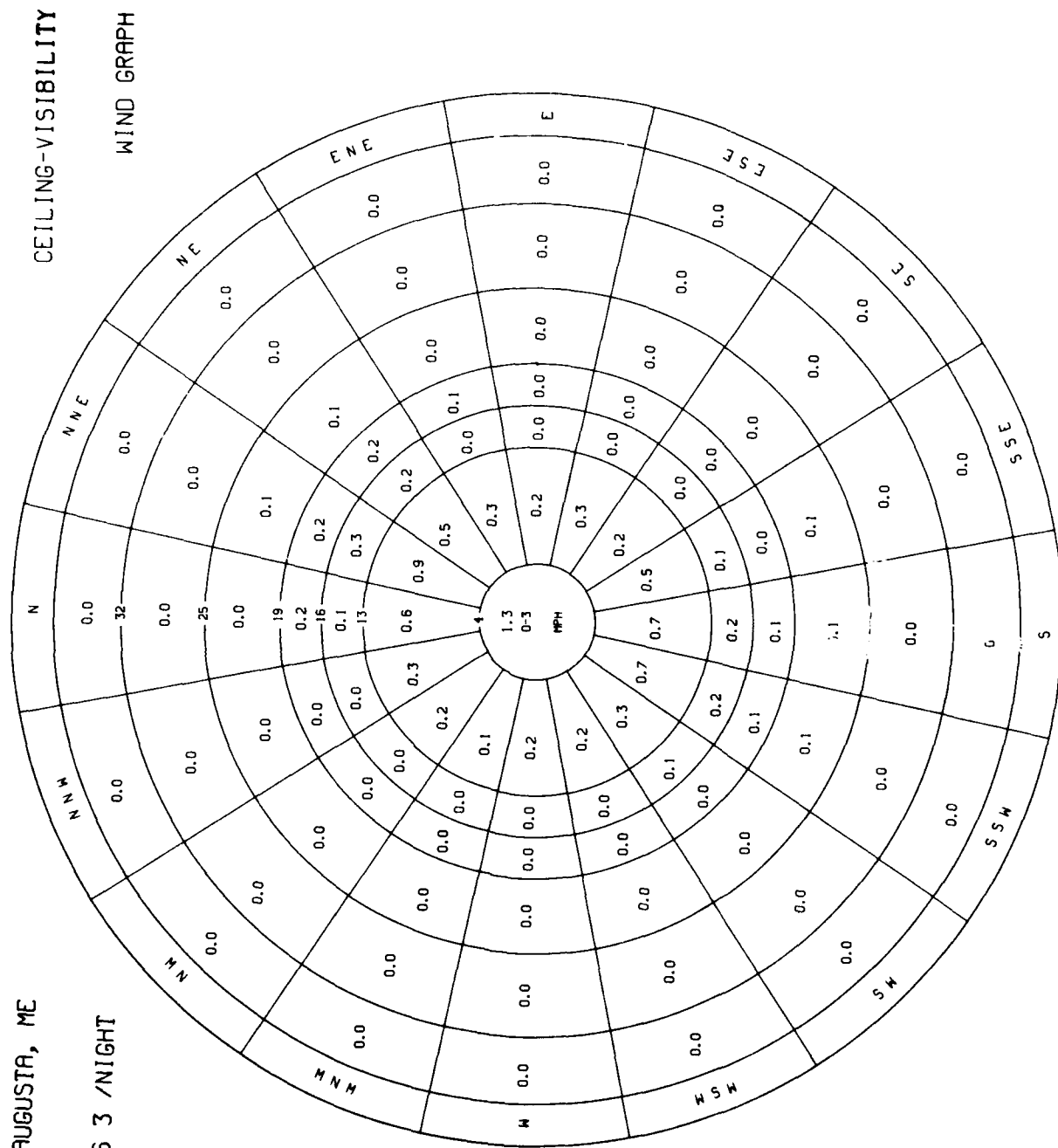
STATION NUMBER: 14605

NO. OBS.: 2254

D I R	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	.6	4.7	.1	1.2	.1	.9	.0	.3	.0	.0	.0	.0	.9	7.3	10.9
NNE	.0	.4	.9	7.5	.2	1.9	.2	1.6	.1	.8	.0	.1	.0	.0	1.5	12.3	11.6
NE	.1	.4	.8	6.9	.2	2.0	.1	1.2	.1	.5	.0	.0	.0	.0	1.3	11.0	11.1
ENE	.0	.1	.5	3.8	.1	.8	.1	.4	.0	.2	.0	.1	.0	.0	.7	5.5	11.1
E	.0	.2	.3	2.6	.1	.5	.0	.1	.0	.2	.0	.0	.0	.0	.4	3.5	9.3
ESE	.1	.5	.3	2.4	.1	.5	.0	.4	.0	.1	.0	.0	.0	.1	.5	4.0	10.5
SE	.1	.6	.4	3.0	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.5	4.1	8.4
SSE	.1	.4	.7	6.0	.1	1.2	.1	.4	.1	.6	.0	.1	.0	.2	1.1	9.0	10.7
S	.1	.7	1.1	8.8	.2	1.3	.2	1.3	.1	.6	.0	.0	.0	.0	1.6	12.7	10.4
SSW	.0	.3	.7	5.9	.2	1.8	.1	1.1	.1	.6	.0	.1	.0	.0	1.2	9.8	11.7
SW	.1	.5	.4	3.6	.1	.5	.0	.4	.0	.4	.0	.0	.0	.0	.7	5.3	9.9
WSW	.0	.2	.2	2.0	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.3	2.8	9.7
W	.0	.1	.2	1.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	1.7	9.7
WNW	.0	.1	.1	.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	11.1
NW	.0	.0	.1	1.2	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.6	11.0
NNW	.0	.1	.3	2.5	.0	.4	.0	.1	.0	.3	.0	.1	.0	.0	.4	3.6	10.6
CALM	.5	4.2													.5	4.2	
TOTAL	1.1	9.1	7.7	62.9	1.6	12.8	1.1	8.9	.6	5.1	.1	.8	.1	.5	12.2	10.3	10.3

AUG AUGUSTA, ME

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: AUG AUGUSTA, ME

CLASS 3 / NIGHT

NO. OBS.: 1437

STATION NUMBER: 14605

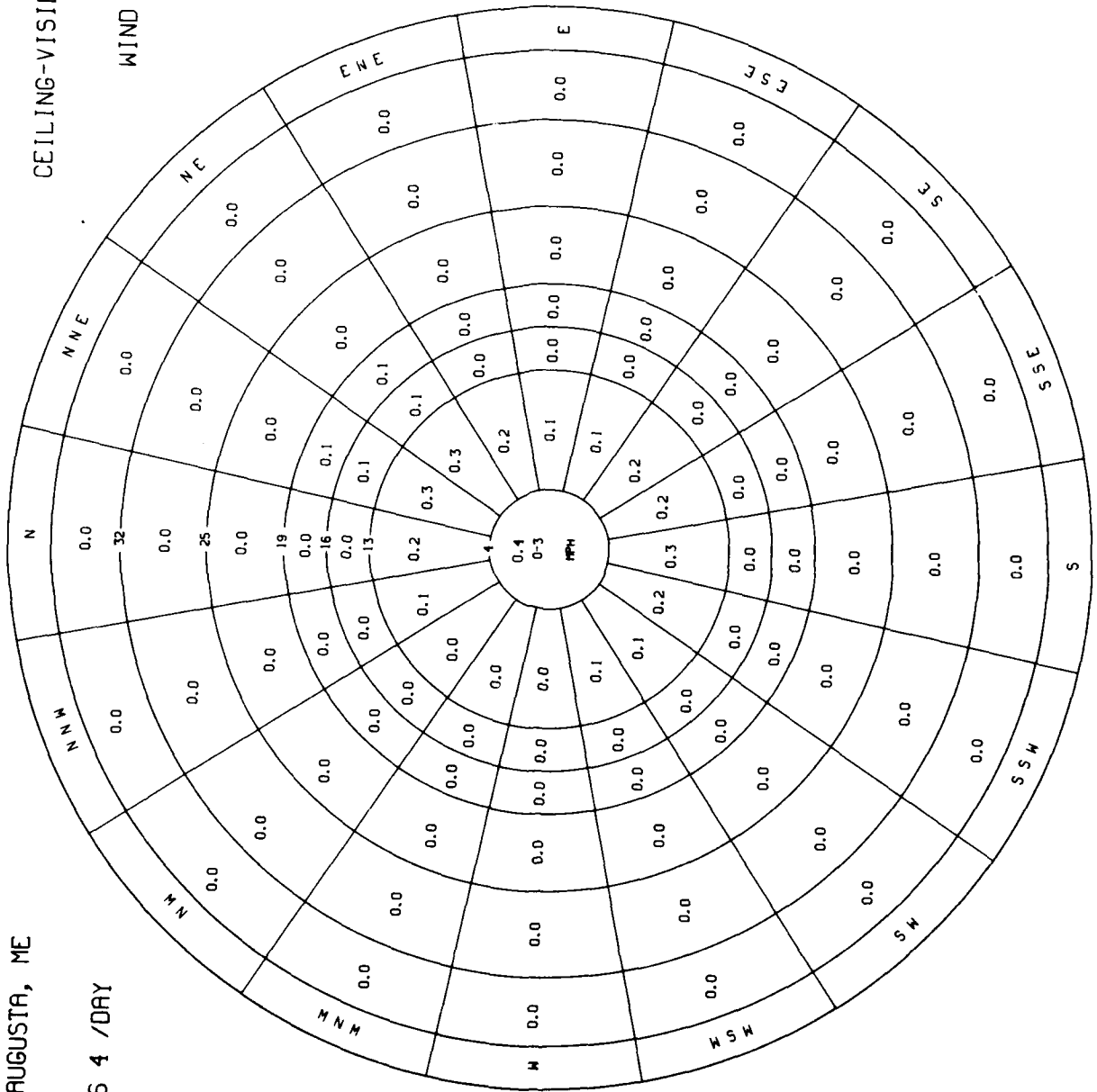
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																	TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.4	.6	5.7	.1	.6	.2	1.5	.0	.3	.0	.1	.0	.0	.9	8.6	10.6
NNE	.1	.6	.9	8.4	.3	2.9	.2	1.7	.1	.9	.0	.2	.0	.0	1.5	14.6	11.7
NNE	.1	.5	.5	5.1	.2	1.5	.2	1.5	.1	.6	.0	.0	.0	.0	1.0	9.1	11.6
ENE	.0	.2	.3	2.5	.0	.3	.1	.7	.0	.3	.0	.1	.0	.0	.4	4.1	11.6
E	.0	.3	.2	2.2	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.3	3.2	9.3
ESE	.0	.1	.3	3.1	.0	.3	.0	.4	.0	.2	.0	.2	.0	.2	.5	4.6	12.0
SE	.1	.6	.2	2.2	.0	.2	.0	.3	.0	.1	.0	.0	.0	.1	.4	3.5	9.8
SSE	.0	.3	.5	4.9	.1	.6	.0	.4	.1	.5	.0	.3	.0	.2	.8	7.2	11.3
S	.1	.8	.7	7.0	.2	1.5	.1	.6	.1	.9	.0	.1	.0	.1	1.2	11.0	10.7
SSW	.1	.6	.7	6.3	.2	1.5	.1	1.1	.1	.7	.0	.1	.0	.1	1.1	10.4	11.4
SW	.0	.3	.3	3.1	.1	.6	.0	.3	.0	.1	.0	.1	.0	.0	.5	4.5	9.6
WSW	.0	.1	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.2	9.3
W	.0	.3	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	.2	2.4	8.3
WNW	.0	.1	.1	.8	.0	.1	.0	.1	.0	.3	.0	.1	.0	.1	.2	1.6	13.6
NW	.0	.0	.2	1.5	.0	.4	.0	.1	.0	.4	.0	.1	.0	.0	.3	2.5	12.1
NNW	.0	.2	.3	2.8	.0	.3	.0	.4	.0	.0	.0	.1	.0	.1	.4	3.9	10.5
CALM	.7	6.7													.7	6.7	
TOTAL	1.3	12.2	6.1	58.5	1.2	11.8	1.0	9.6	.6	5.5	.2	1.5	.1	.9	10.5	100	10.3

AUG AUGUSTA, ME

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 4 / DAY

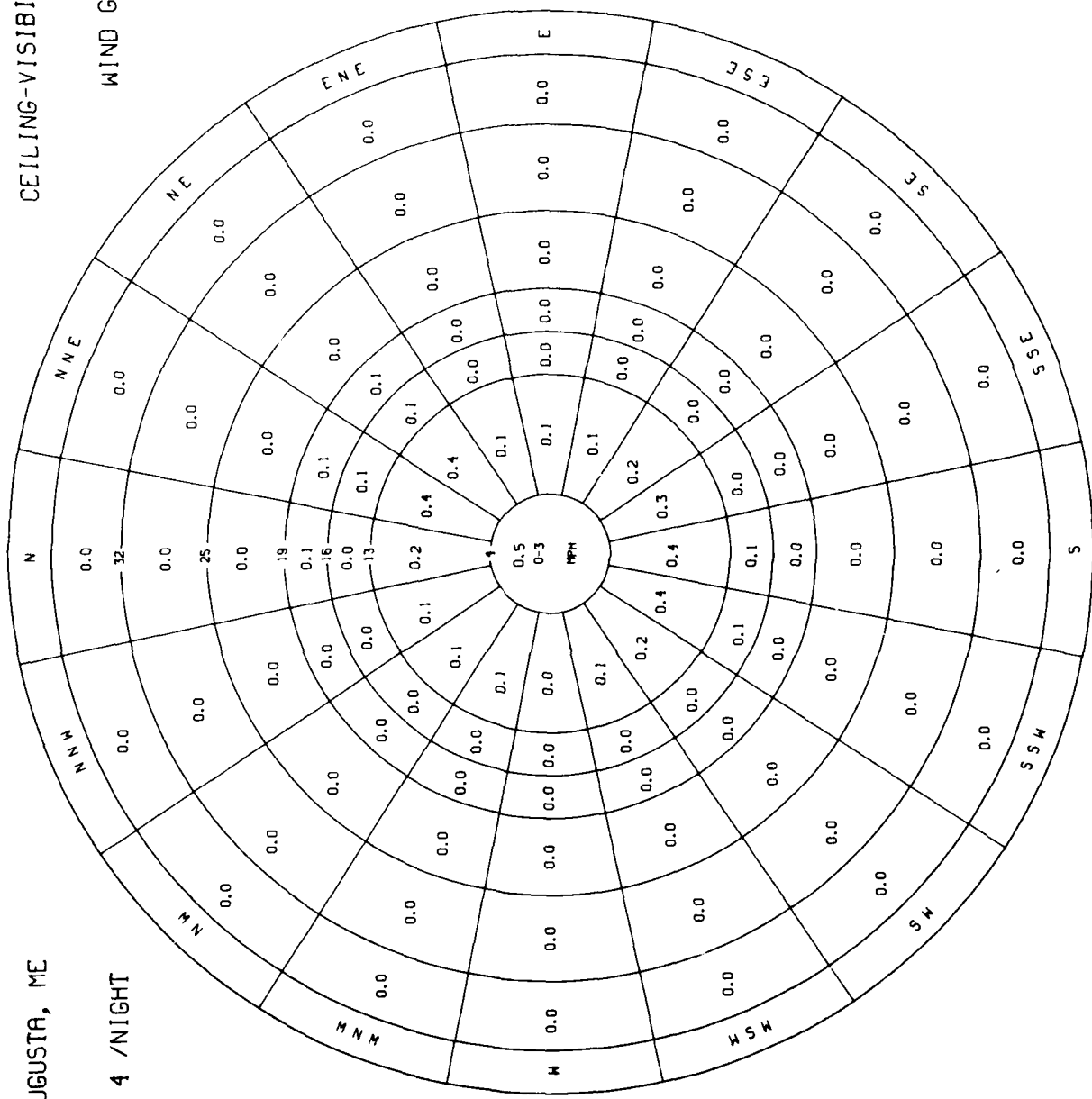
STATION NUMBER: 14605

NO. OBS.: 687

O I R	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	A	B	C	D		
N	.0	.9	.2	4.7	.0	.6	.0	.6	.0	.6	.0	.1	.0	.1	.3	7.6	10.8		
NNE	.0	.3	.3	7.7	.1	2.5	.1	2.0	.0	.4	.0	.1	.0	.0	.5	13.1	11.5		
NE	.0	.3	.3	8.0	.1	2.3	.1	1.9	.0	1.2	.0	.1	.0	.0	.5	13.8	12.1		
ENE	.0	.0	.2	4.2	.0	.7	.0	.3	.0	.0	.0	.1	.0	.1	.2	5.5	11.9		
E	.0	.4	.1	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	8.0		
ESE	.0	.3	.1	2.9	.0	.6	.0	.0	.0	.4	.0	.0	.0	.0	.2	4.2	9.9		
SE	.0	.6	.2	5.1	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.3	6.8	9.2		
SSE	.0	.3	.2	6.7	.0	.7	.0	.7	.0	.6	.0	.6	.0	.0	.4	9.6	11.3		
S	.0	.3	.3	9.0	.0	1.0	.0	.9	.0	.7	.0	.3	.0	.0	.5	12.2	10.9		
SSW	.0	.3	.2	4.9	.0	1.0	.0	.3	.0	.1	.0	.1	.0	.0	.3	6.8	10.1		
SW	.0	.4	.1	2.8	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1	3.6	8.6		
WSW	.0	.3	.1	1.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.2	7.4		
W	.0	.3	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.1		
WNW	.0	.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.1		
NW	.0	.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.8		
NNW	.0	.1	.1	2.0	.0	.0	.0	.1	.0	.3	.0	.1	.0	.0	.1	2.8	11.4		
CALM	.2	4.9																	
TOTAL	.4	10.0	2.4	64.5	.4	11.6	.3	7.3	.2	4.5	.1	1.7	.0	.3	.2	4.9	10.1		

CEILING-VISIBILITY

WIND GRAPH



AUG AUGUSTA, ME

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 4 / NIGHT

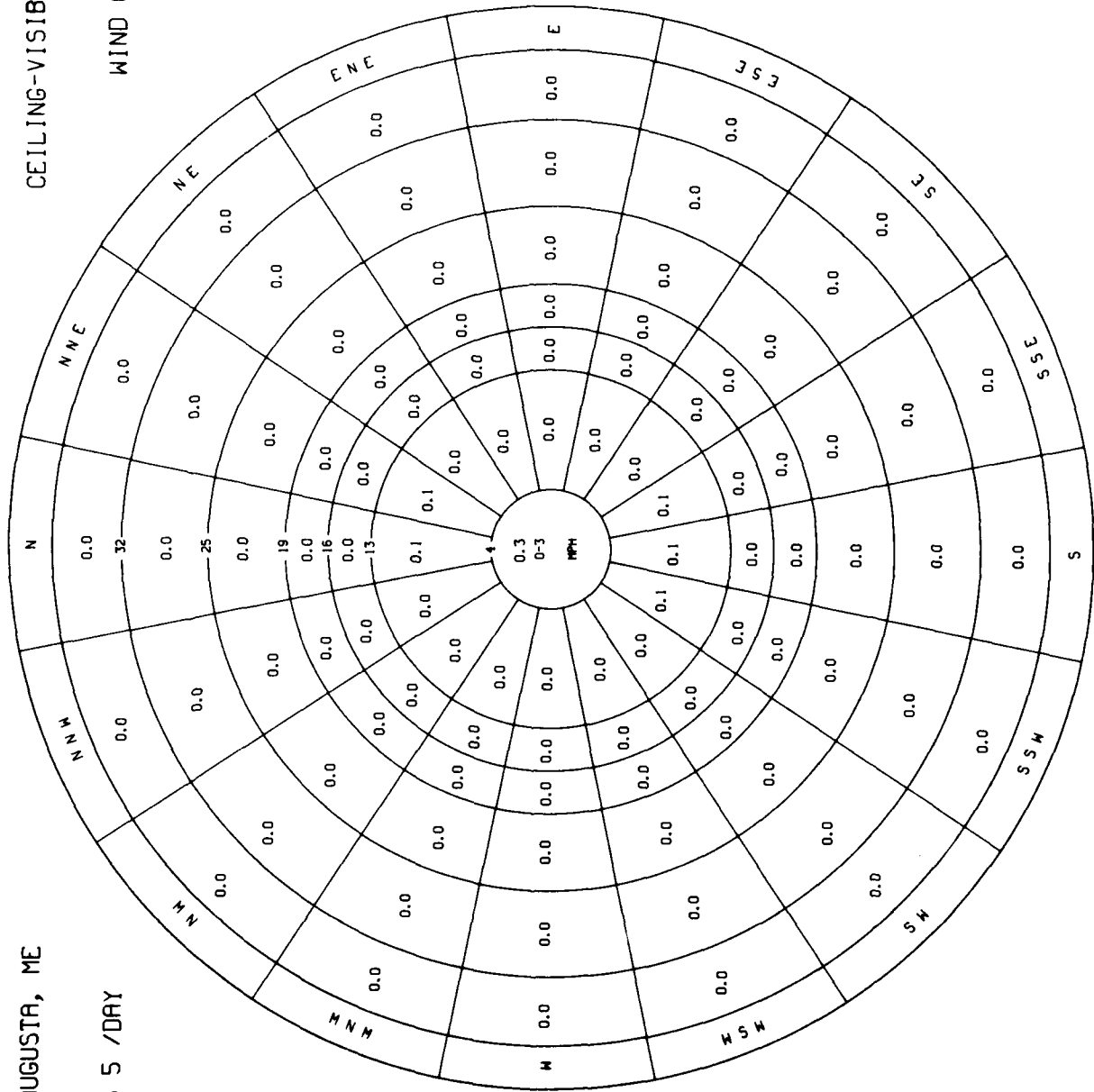
STATION NUMBER: 14605

NO. OBS.: 618

D I R	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	3.7	.0	1.0	.1	1.6	.0	.0	.0	.0	.0	.0	.3	6.8	10.5
NNE	.0	.3	.4	9.5	.1	2.1	.1	1.6	.0	.3	.0	.0	.0	.0	.6	13.9	11.1
NE	.0	.5	.4	9.2	.1	2.3	.1	1.1	.0	.3	.0	.0	.0	.0	.6	13.4	10.2
ENE	.0	.6	.1	2.3	.0	.2	.0	.5	.0	.2	.0	.0	.0	.0	.2	3.7	9.2
E	.0	.3	.1	3.1	.0	.5	.0	.3	.0	.0	.0	.2	.0	.0	.2	4.4	9.0
ESE	.0	.8	.1	2.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.2	3.9	7.4
SE	.0	.3	.2	4.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	4.5	7.9
SSE	.0	.2	.3	6.5	.0	.8	.0	.5	.0	.3	.0	.2	.0	.0	.4	8.4	9.8
S	.0	.8	.4	8.9	.1	1.1	.0	.6	.0	.5	.0	.0	.0	.0	.5	12.0	9.4
SSW	.0	.5	.4	7.9	.1	1.3	.0	.5	.0	.3	.0	.2	.0	.0	.5	10.7	9.9
SW	.0	.2	.2	3.4	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.2	4.2	8.3
WSW	.0	.3	.1	1.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	8.2
W	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.5	11.7
WNW	.0	.5	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	6.6
NW	.0	.2	.1	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1	1.9	9.7
NNW	.0	.2	.1	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	9.0
CALM	.3	5.7													.3	5.7	
TOTAL	.5	11.8	3.0	67.3	.5	10.7	.3	7.6	.1	2.1	.0	.5	.0	.0	4.5	100	9.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 14605

NO. OBS.: 235

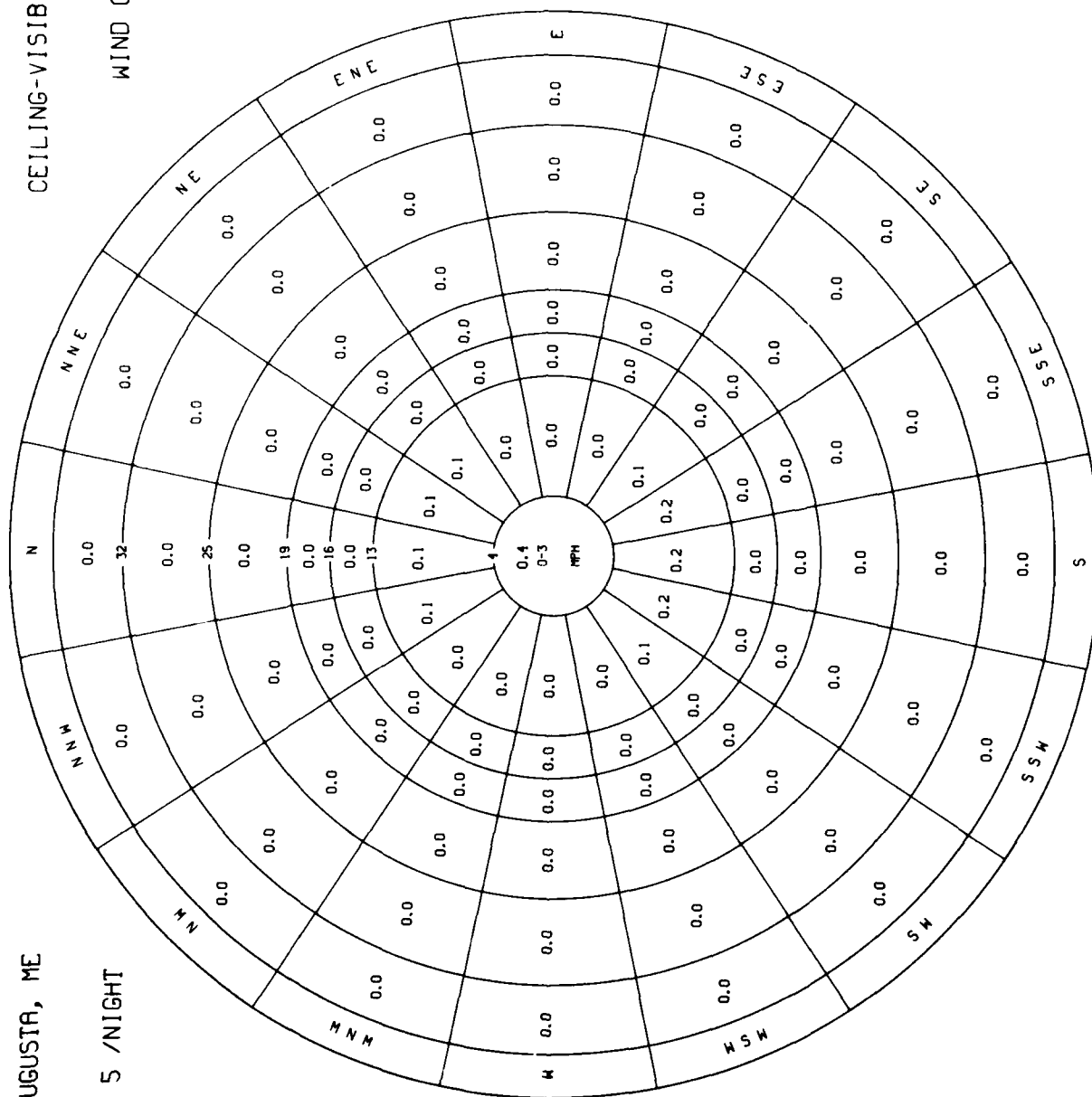
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.9	.1	6.8	.0	.4	.0	.0	.0	.9	.0	.0	.0	.0	.1	8.9	9.6
NNE	.0	.9	.1	6.4	.0	.9	.0	2.1	.0	.9	.0	.4	.0	.4	.2	11.9	12.3
NE	.0	1.7	.0	3.4	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.1	7.7	9.6
ENE	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.7
E	.0	1.3	.0	2.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	7.0
ESE	.0	.4	.0	2.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	8.5
SE	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.0
SSE	.0	.9	.1	8.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.2	7.1
S	.0	1.3	.1	8.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.1	11.1	8.4
SSW	.0	.9	.1	8.9	.0	3.0	.0	.4	.0	.0	.0	.0	.0	.0	.2	13.2	9.2
SW	.0	.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.6
WSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.6
W	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.3
WNW	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.9	13.0
NW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.3	13.7
NNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.2
CALM	.2	12.3													.2	12.3	
TOTAL	.3	22.6	.8	62.6	.1	7.2	.1	4.7	.0	2.1	.0	.4	.0	.4	1.3	100	7.8

CEILING-VISIBILITY

WIND GRAPH

AUG AUGUSTA, ME

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 5 / NIGHT

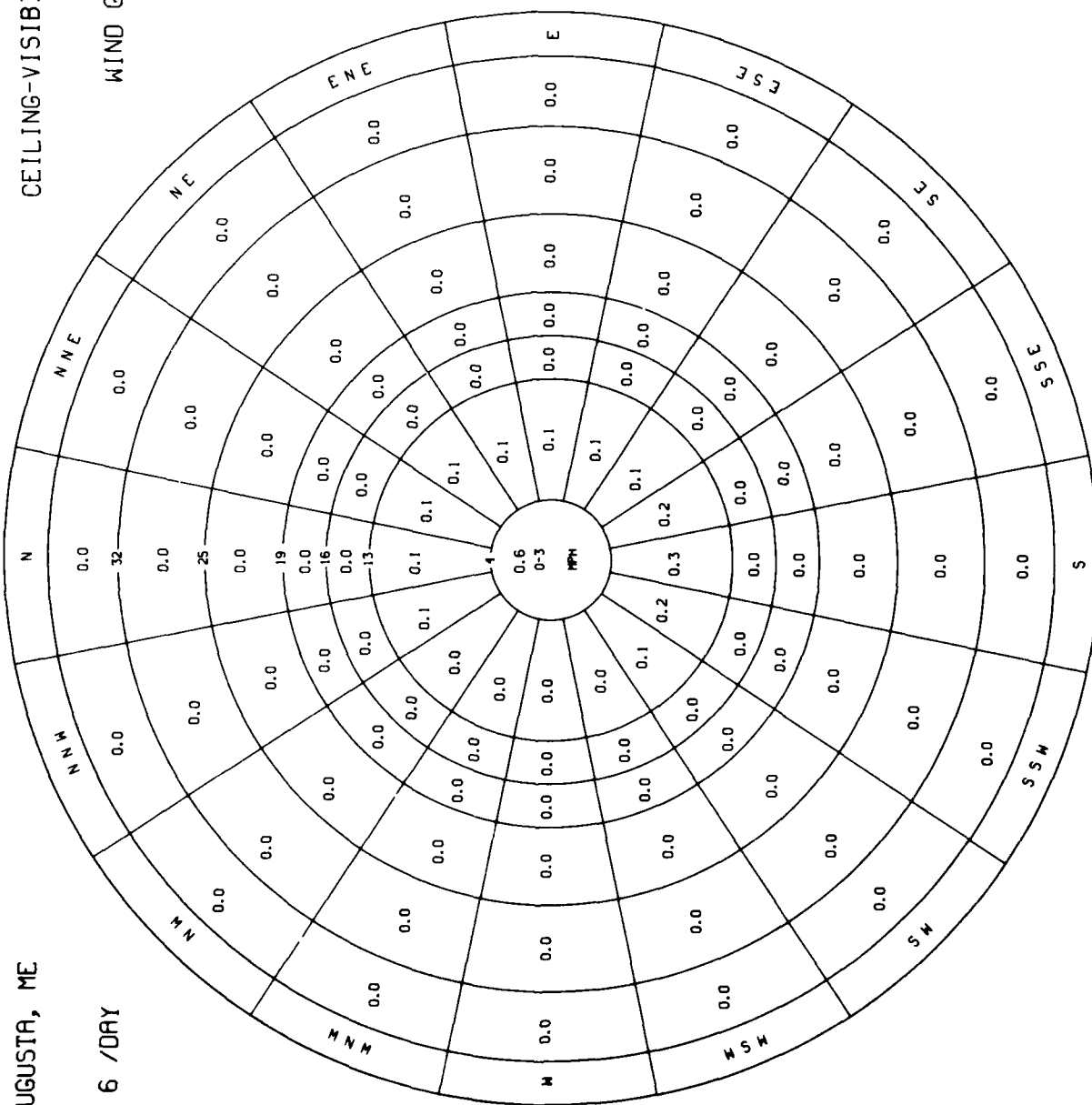
STATION NUMBER: 14605

NO. OBS.: 281

D I R	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			
N	.0	1.8	.1	4.3	.0	.4	.0	1.1	.0	.0	.0	.4	.0	.0	.2	7.8	9.1
NNE	.0	.0	.1	6.4	.0	1.1	.0	1.1	.0	.0	.0	.4	.0	.4	.2	9.3	12.1
NE	.0	.0	.1	2.5	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.1	4.3	11.7
ENE	.0	.7	.0	1.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	2.8	8.6
E	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.0
ESE	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	1.8	8.4
SE	.0	.4	.1	5.0	.0	.4	.0	.4	.0	.0	.0	.7	.0	.0	.1	6.8	10.1
SSE	.0	.0	.2	8.2	.0	.7	.0	.4	.0	.0	.0	.4	.0	.0	.2	9.6	9.8
S	.0	.7	.2	11.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	14.6	8.8
SSW	.0	1.8	.2	10.3	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.3	13.5	8.7
SW	.0	.0	.1	4.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	7.7
WSW	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	10.0
W	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	8.0
WNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	7.0
NW	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.0
NNW	.0	.4	.1	2.8	.0	.4	.0	.7	.0	.0	.0	.0	.0	.4	.1	4.6	10.5
CALM	.3	13.5													.3	13.5	
TOTAL	.4	20.6	1.3	63.3	.2	8.2	.1	4.3	.0	1.1	.0	1.8	.0	.7	2.1	100	8.1

CEILING-VISIBILITY

WIND GRAPH



AUG AUGUSTA, ME

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 6 / DAY

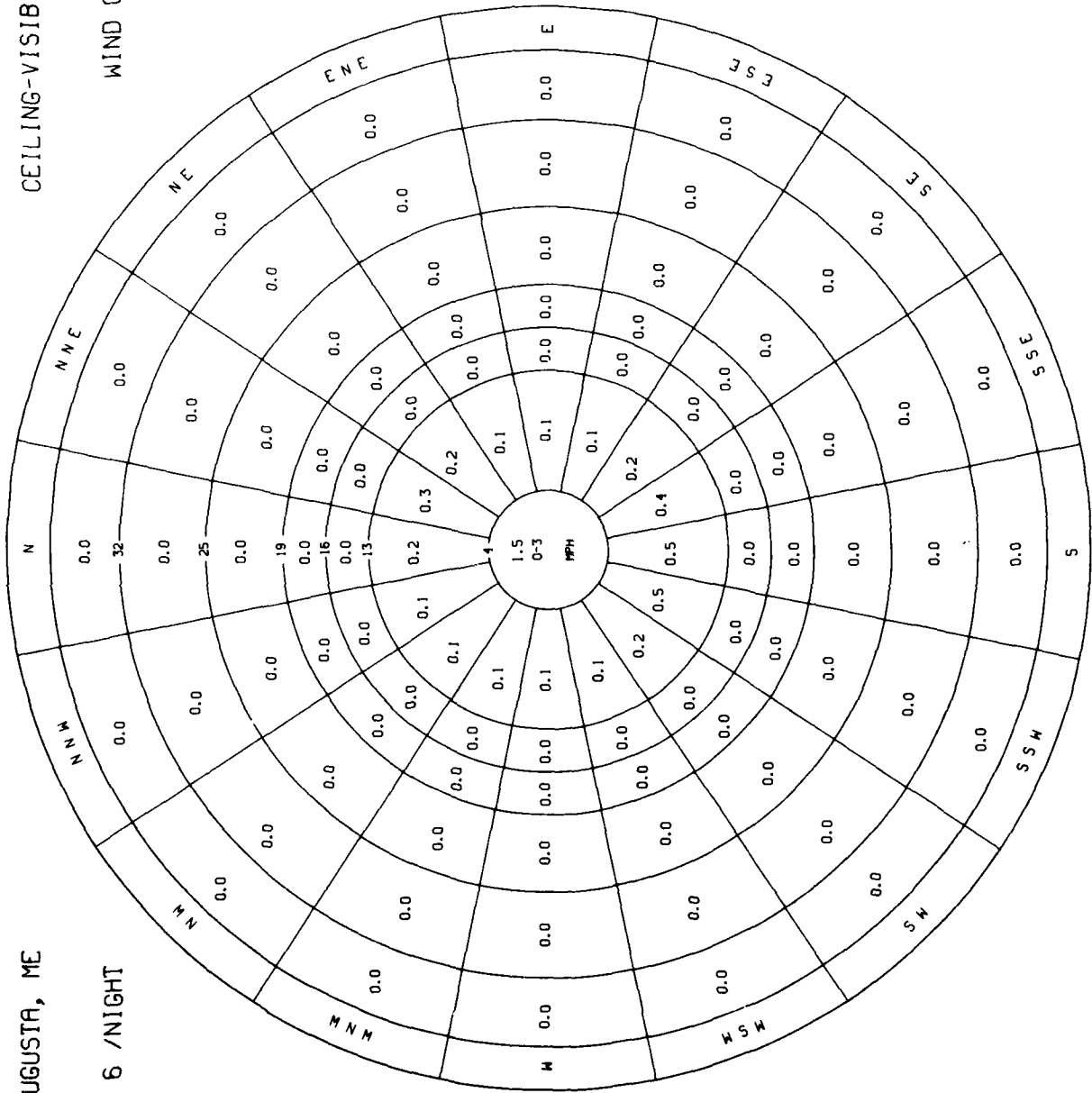
STATION NUMBER: 14605

NO. OBS.: 475

D I R	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	
N	.0	1.3	.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1 4.8
NNE	.0	.8	.1	5.3	.0	.2	.0	.6	.0	.2	.0	.6	.0	.2	.2 8.0
NE	.0	.8	.1	3.8	.0	.2	.0	.4	.0	.6	.0	.4	.0	.2	.2 6.5
ENE	.0	.6	.1	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.0
E	.0	.0	.1	2.1	.0	.4	.0	.0	.0	.2	.0	.0	.0	.0	.1 2.7
ESE	.0	1.3	.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.8
SE	.0	.6	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.8
SSE	.0	1.5	.2	8.4	.0	.6	.0	.2	.0	.0	.0	.2	.0	.0	.3 10.9
S	.0	1.7	.3	11.6	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.4 14.1
SSW	.0	1.7	.2	7.8	.0	1.3	.0	.2	.0	.4	.0	.0	.0	.0	.3 11.4
SW	.0	1.9	.1	4.4	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.2 7.6
WSW	.0	.8	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
W	.0	.4	.0	1.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.9
WNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
NW	.0	1.1	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.2	.1 2.7
NNW	.0	.0	.1	2.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 2.9
CALM	.3	10.5													.3 10.5
TOTAL	.6	25.1	1.6	63.2	.1	5.1	.1	3.2	.0	1.5	.0	1.3	.0	.8	2.6 100
															7.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUG AUGUSTA, ME

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 14605

NO. OBS.: 668

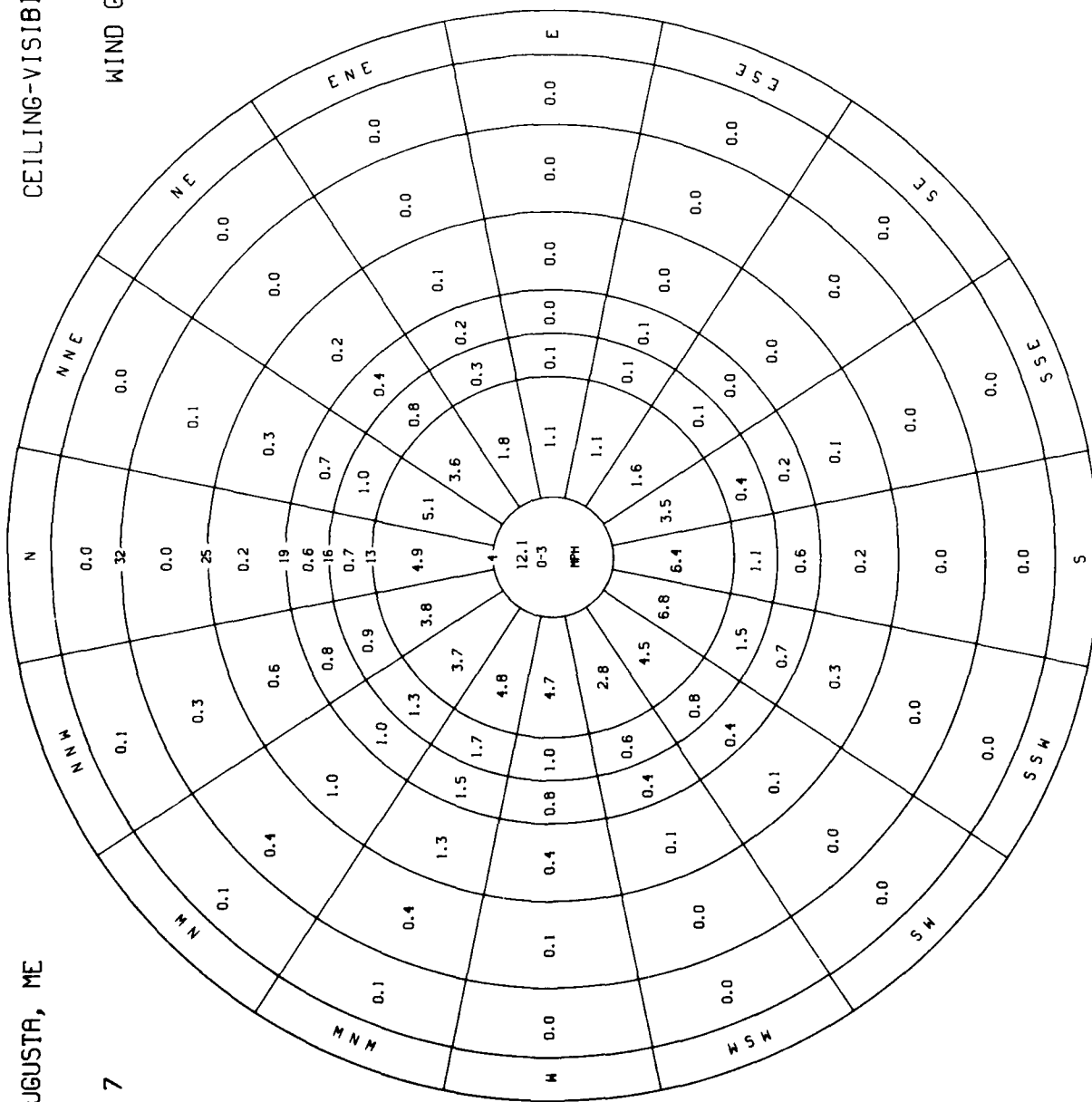
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.2	4.9	.0	.0	.0	.1	.0	.4	.0	.0	.0	.0	.3 6.6
NNE	.1	1.3	.3	5.7	.0	.3	.0	.7	.0	.3	.0	.0	.0	.4	.4 8.8
NE	.0	.9	.2	3.6	.0	.7	.0	.0	.0	.3	.0	.0	.0	.3	.3 5.8
ENE	.0	.0	.1	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.5
E	.0	.6	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.2
ESE	.0	.6	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
SE	.1	1.3	.2	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.6
SSE	.0	.6	.4	7.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4 8.8
S	.2	3.4	.5	9.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.7 13.9
SSW	.1	2.7	.5	9.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 13.0
SW	.1	1.9	.2	3.7	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.3 6.4
WSW	.0	.7	.1	2.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.6
W	.0	.3	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.1
WNW	.0	.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2
NW	.0	.1	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.6
NNW	.0	.4	.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1 2.8
CALM	.7	13.9													.7 13.9
TOTAL	1.5	30.2	3.1	63.0	.2	3.1	.1	1.3	.1	1.2	.0	.0	.1	1.0	4.9 100

CEILING-VISIBILITY

WIND GRAPH

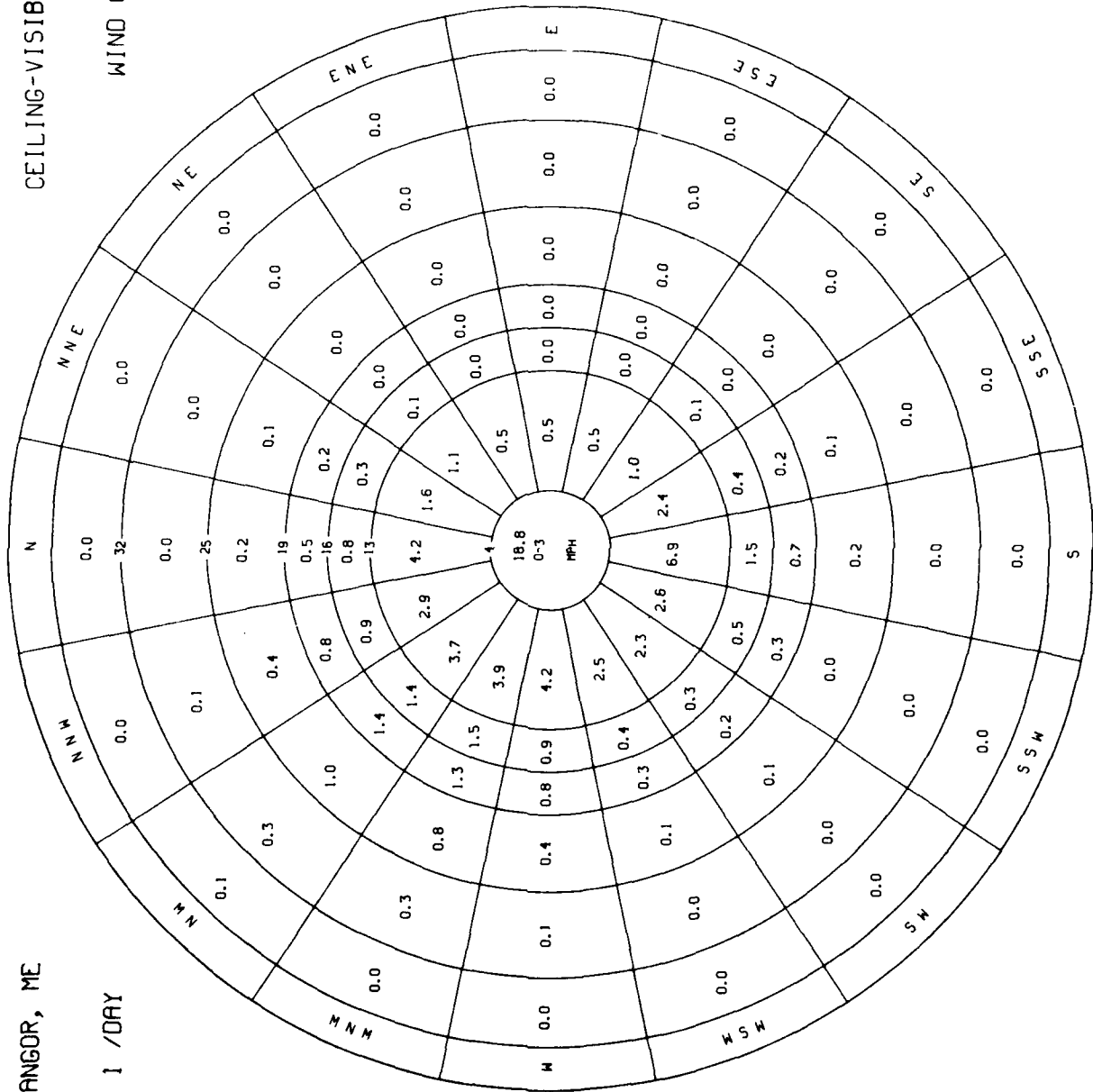
AUG AUGUSTA, ME

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

CLASS 1 / DAY

NO. OBS.: 33608

STATION NUMBER: 14606

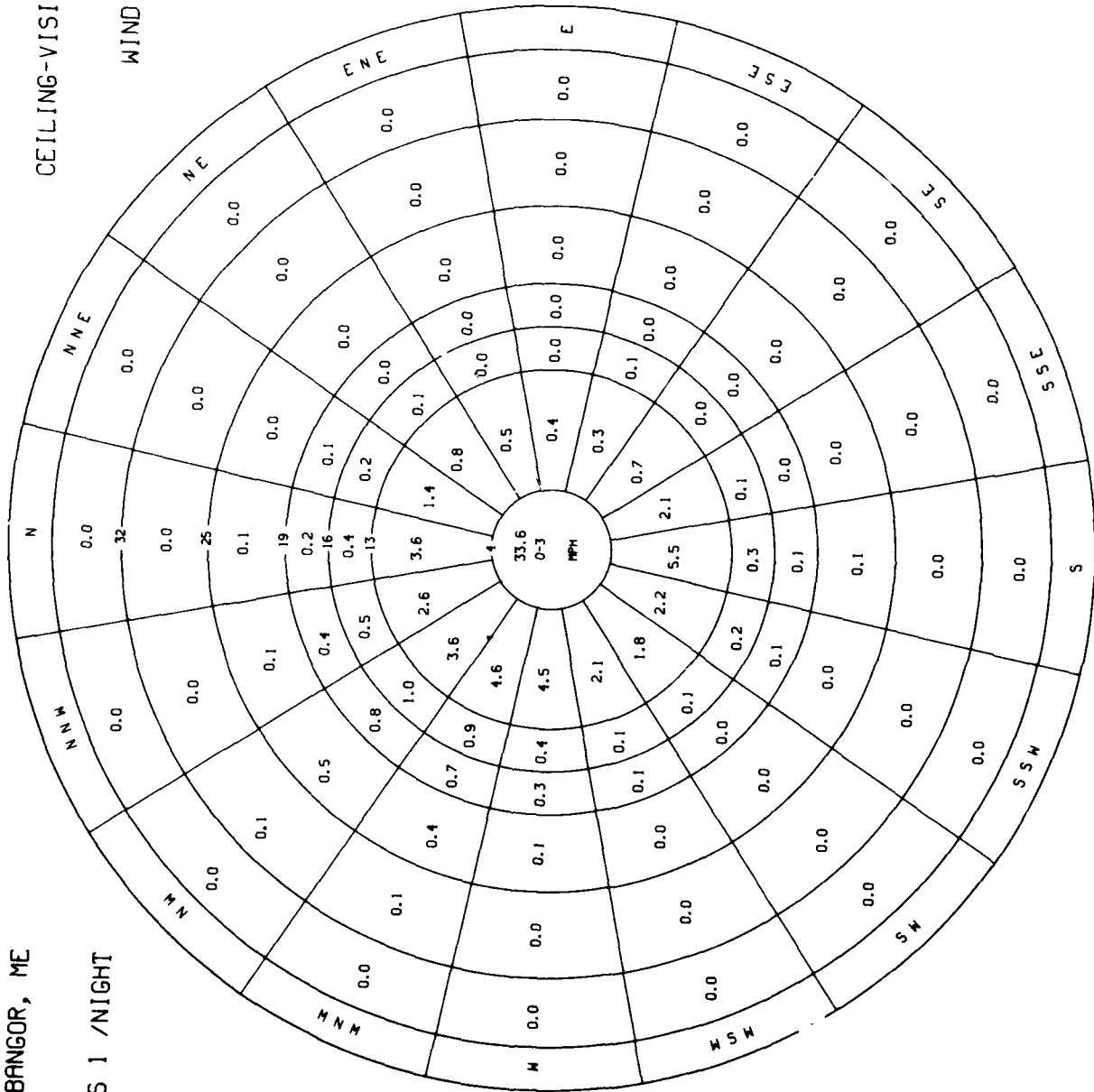
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.7	.9	4.2	5.2	.8	1.0	.5	.6	.2	.2	.0	.0	.0	.0	6.4 8.0
NNE	.3	.4	1.6	2.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.5 3.1
NNE	.3	.3	1.1	1.4	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.6 1.9
ENE	.2	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .9
E	.2	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .9
ESE	.1	.2	.5	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7 .8
SE	.3	.3	1.0	1.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.4 1.8
SSE	.5	.6	2.4	3.0	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.6 4.5
S	1.0	1.3	6.9	8.6	1.5	1.9	.7	.9	.2	.2	.0	.0	.0	.0	10.3 12.9
SSW	.5	.6	2.6	3.2	.5	.6	.3	.4	.0	.1	.0	.0	.0	.0	3.9 4.8
SW	.4	.6	2.3	2.8	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.2 4.0
WSW	.5	.6	2.5	3.2	.4	.5	.3	.4	.1	.1	.0	.0	.0	.0	3.8 4.8
W	.6	.7	4.2	5.3	.9	1.2	.8	1.0	.4	.5	.1	.1	.0	.0	7.0 8.8
WNW	.5	.6	3.9	4.9	1.5	1.9	1.3	1.6	.8	1.0	.3	.3	.0	.1	8.4 10.5
NW	.3	.4	3.7	4.7	1.4	1.8	1.4	1.8	1.0	1.3	.3	.4	.1	.1	8.3 10.4
NNW	.5	.6	2.9	3.7	.9	1.1	.8	.9	.4	.6	.1	.1	.0	.0	5.6 7.0
CALM	11.9	14.9													11.9 14.9
TOTAL	18.8	23.4	40.9	51.0	9.3	11.6	6.8	8.5	3.4	4.3	.9	1.1	.1	.2	80.2 100

BGR BANGOR, ME

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

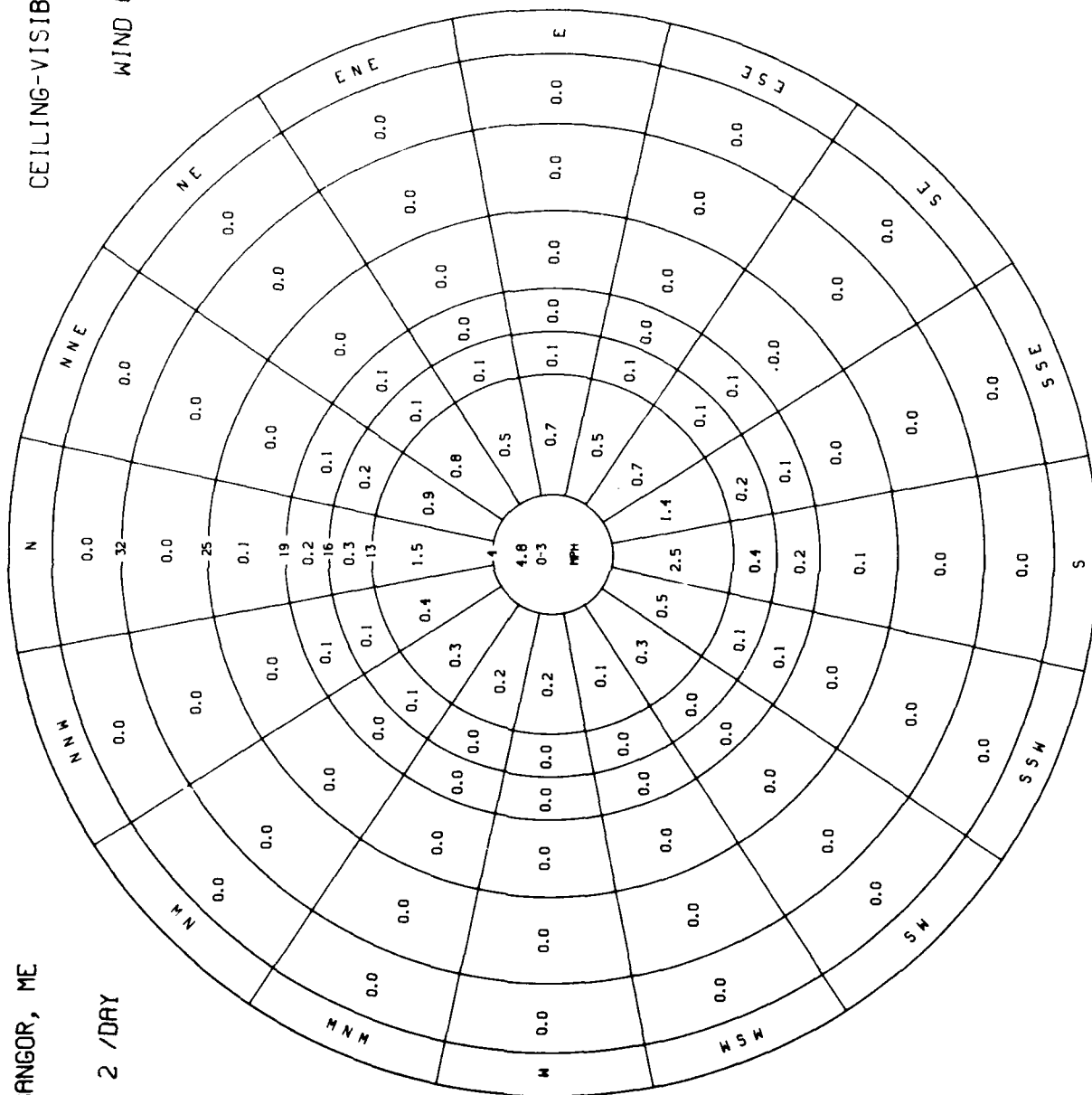
CLASS 1 / NIGHT

NO. OBS.: 24738

STATION NUMBER: 14606

D I R	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	1.3	3.6	4.5	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	5.3	6.7	7.7
NNE	.4	.5	1.4	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.6	7.8
NE	.2	.3	.8	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	7.1
ENE	.2	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	6.4
E	.2	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	6.2
ESE	.2	.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	6.9
SE	.5	.6	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.6	5.5
SSE	.9	1.1	2.1	2.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.9	6.1
S	1.9	2.4	5.5	6.9	.3	.4	.1	.1	.1	.1	.0	.0	.0	.0	7.9	10.0	6.6
SSW	.8	1.0	2.2	2.8	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	3.3	4.1	6.8
SW	.8	1.0	1.8	2.3	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.7	3.5	6.3
WSW	.6	.7	2.1	2.6	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.6	7.1
W	.8	1.0	4.5	5.7	.4	.6	.3	.4	.1	.2	.0	.0	.0	.0	6.2	7.9	8.5
WNW	.8	1.0	4.6	5.8	.9	1.1	.7	.8	.4	.5	.1	.1	.0	.0	7.5	9.4	9.9
NW	.7	.8	3.6	4.6	1.0	1.3	.8	1.0	.5	.6	.1	.2	.0	.0	6.8	8.5	11.1
NNW	.4	.6	2.6	3.2	.5	.7	.4	.5	.1	.2	.0	.1	.0	.0	4.1	5.2	9.7
CALM	23.4	29.4													23.4	29.4	
TOTAL	33.6	42.3	36.6	46.1	4.4	5.5	2.8	3.6	1.5	1.9	.4	.5	.0	.1	79.4	100	5.7

BGR BANGOR, ME CEILING-VISIBILITY WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGR BANGOR, ME

PERIOD: 1952-1978

CLASS 2 / DAY

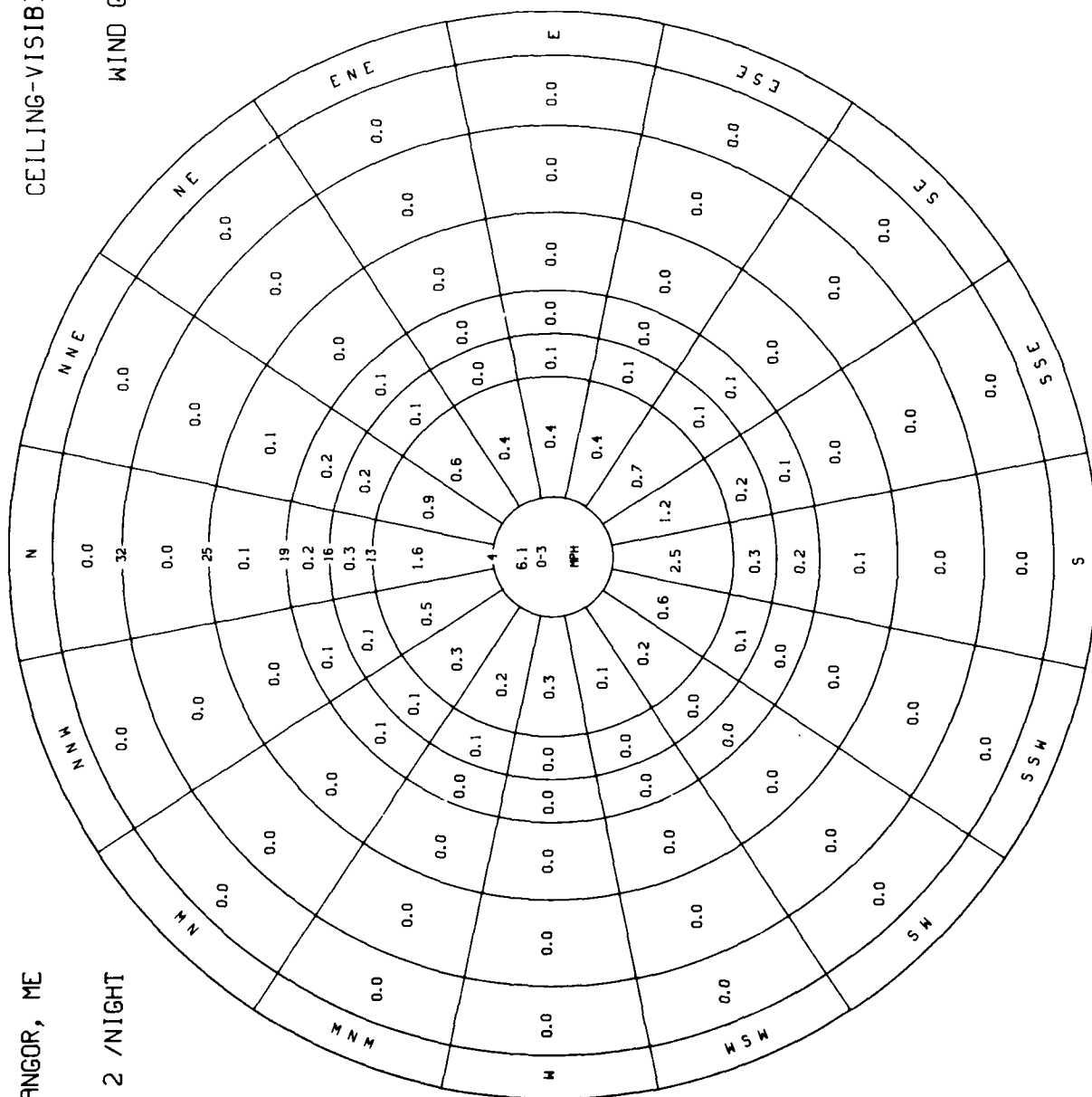
STATION NUMBER: 14606

NO. OBS.: 8289

D I R	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	
N	.2	1.0	1.5	7.4	.3	1.6	.2	1.1	.1	.5	.0	.1	.0	.0	2.3 11.7 10.2
NNE	.1	.7	.9	4.5	.2	1.1	.1	.6	.0	.2	.0	.0	.0	.0	1.4 7.2 10.0
NE	.1	.5	.8	4.0	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	1.1 5.5 8.9
ENE	.1	.4	.5	2.5	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.7 3.4 8.1
E	.1	.4	.7	3.4	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.8 4.2 8.5
ESE	.1	.4	.5	2.7	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7 3.8 8.0
SE	.1	.7	.7	3.7	.1	.5	.1	.3	.0	.1	.0	.1	.0	.0	1.1 5.5 9.1
SSE	.2	1.1	1.4	7.1	.2	.8	.1	.5	.0	.2	.0	.1	.0	.0	1.9 9.7 8.9
S	.4	1.9	2.5	12.6	.4	2.0	.2	.8	.1	.3	.0	.1	.0	.0	3.5 17.8 9.0
SSW	.1	.6	.5	2.6	.1	.4	.1	.3	.0	.2	.0	.0	.0	.0	.8 4.1 8.9
SW	.1	.4	.3	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8 6.5
WSW	.1	.3	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.2 6.9
W	.1	.3	.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.4 7.7
WNW	.0	.2	.2	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 1.5 10.2
NW	.1	.3	.3	1.7	.1	.4	.0	.2	.0	.2	.0	.1	.0	.0	.6 2.9 10.7
NNW	.1	.3	.4	2.1	.1	.4	.1	.4	.0	.1	.0	.1	.0	.0	.7 3.6 10.6
CALM	2.9	14.8													2.9 14.8
TOTAL	4.8	24.3	11.5	58.1	1.8	9.1	1.1	5.3	.5	2.3	.1	.7	.0	.2	19.8 100 7.8

CEILING-VISIBILITY WIND GRAPH

BGR BANGOR, ME
CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

CLASS 2 / NIGHT

NO. OBS.: 6410

STATION NUMBER: 14606

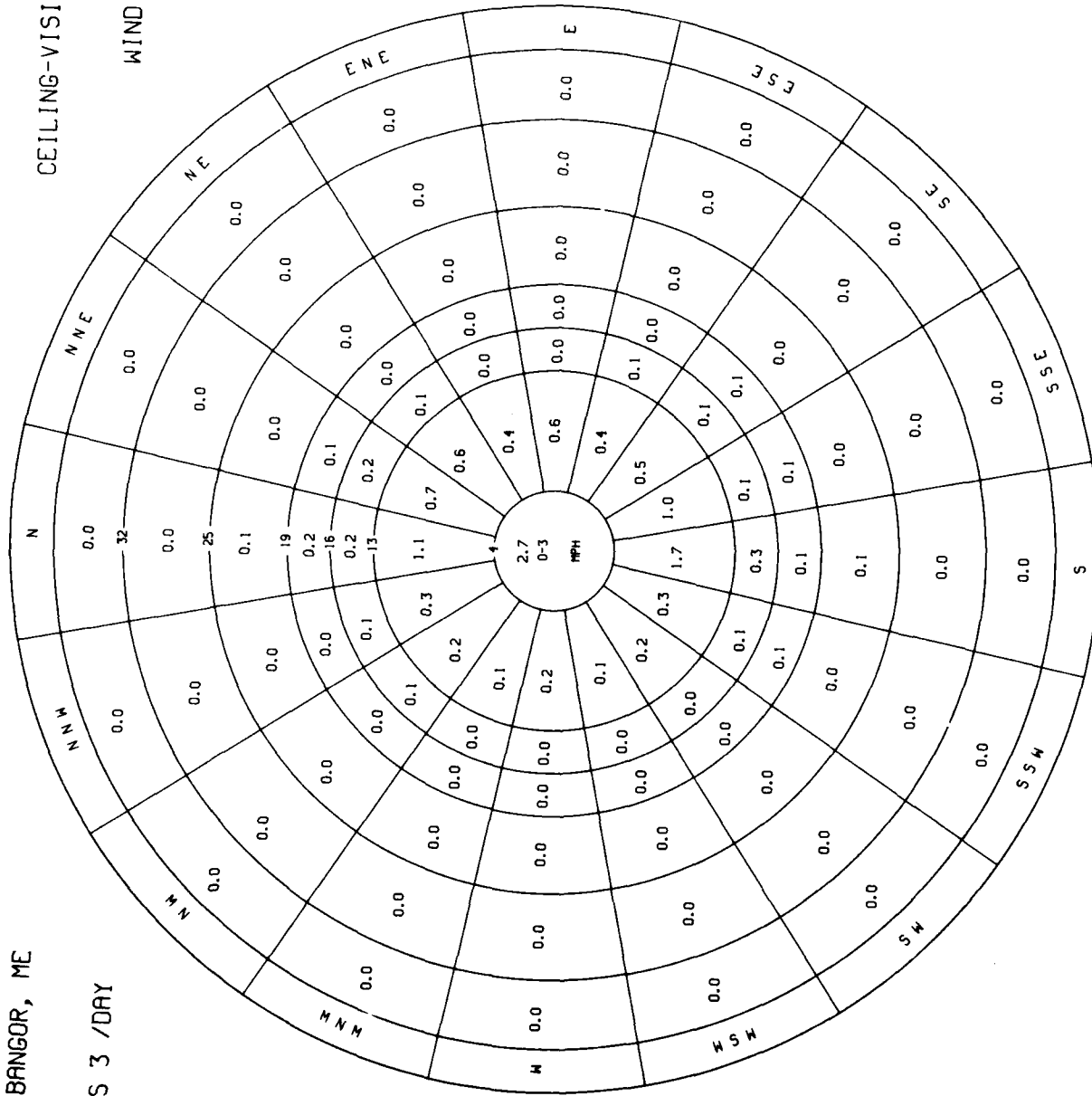
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.3	1.2	1.6	7.6	.3	1.7	.2	1.0	.1	.6	.0	.2	.0	.0	2.5	12.3	10.1
NNE	.1	.6	.9	4.2	.2	1.1	.2	.7	.1	.3	.0	.1	.0	.0	1.5	7.1	10.5
NE	.1	.7	.6	2.9	.1	.7	.1	.3	.0	.1	.0	.0	.0	.0	1.0	4.8	9.0
ENE	.1	.4	.4	1.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.5	2.6	8.5
E	.1	.6	.4	2.1	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.7	3.3	8.1
ESE	.1	.5	.4	2.1	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.6	3.1	8.7
SE	.2	.9	.7	3.2	.1	.5	.1	.3	.0	.2	.0	.1	.0	.0	1.1	5.1	8.9
SSE	.2	1.2	1.2	5.8	.2	.8	.1	.4	.0	.1	.0	.1	.0	.0	1.7	8.3	8.6
S	.5	2.5	2.5	12.1	.3	1.2	.2	.9	.1	.4	.0	.2	.0	.1	3.6	17.4	8.4
SSW	.1	.7	.6	2.8	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.9	4.2	8.0
SW	.1	.5	.2	1.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.0	6.7
WSW	.1	.4	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	7.2
W	.1	.3	.3	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	1.9	8.3
WNW	.1	.4	.2	1.1	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.1	9.3
NW	.1	.4	.3	1.7	.1	.3	.1	.4	.0	.1	.0	.1	.0	.0	.6	2.9	10.4
NNW	.1	.4	.5	2.3	.1	.6	.1	.5	.0	.2	.0	.0	.0	.0	.8	4.0	10.7
CALM	3.7	17.9													3.7	17.9	
TOTAL	6.1	29.4	10.9	52.8	1.8	8.7	1.2	5.6	.5	2.3	.2	.9	.0	.2	20.6	100	7.4

BGR BANGOR, ME

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

CLASS 3 / DAY

NO. OBS.: 5792

STATION NUMBER: 14606

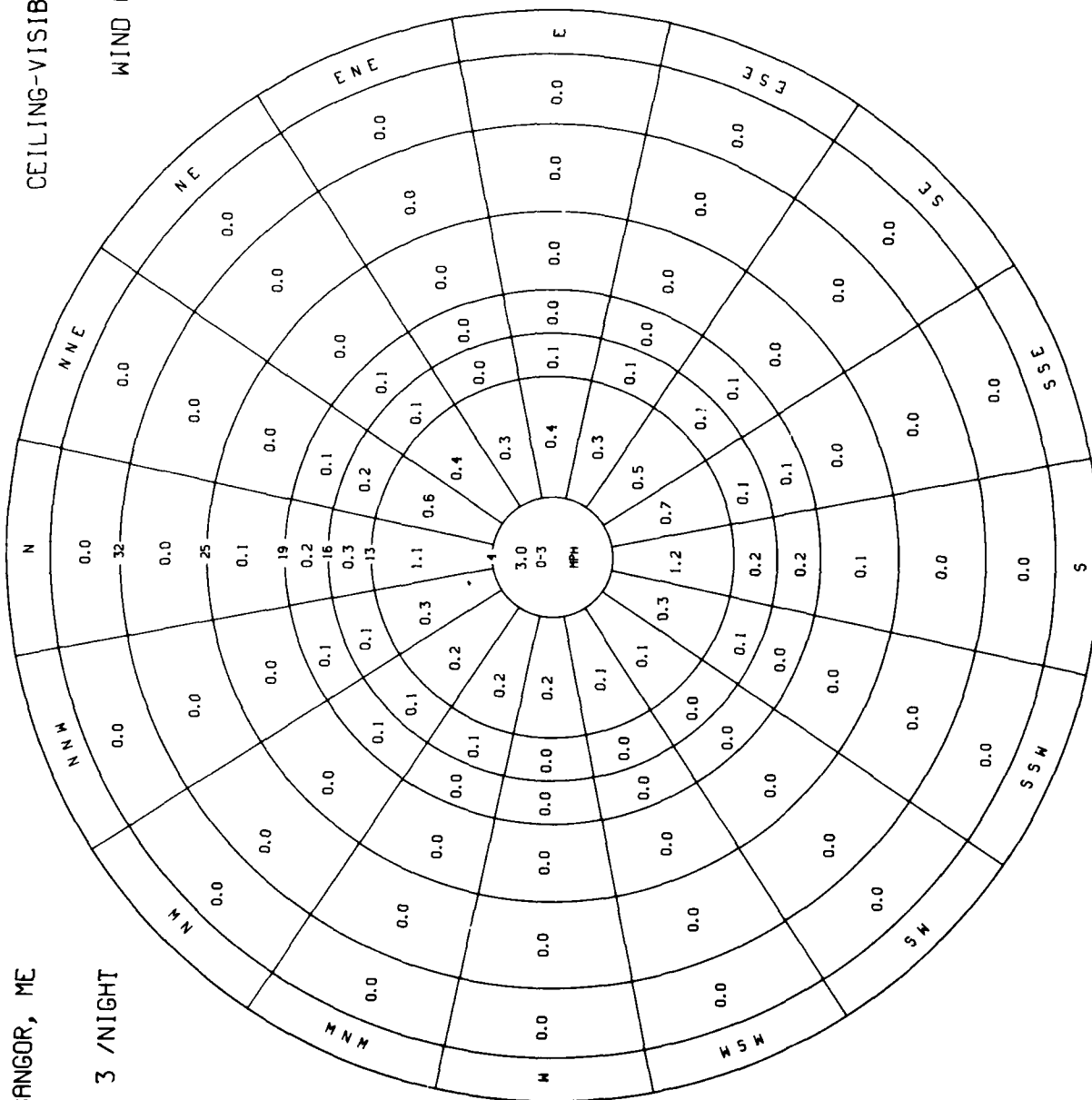
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.9	1.1	7.9	.2	1.7	.2	1.2	.1	.4	.0	.1	.0	.0	1.7	12.2	10.2
NNE	.1	.7	.7	4.7	.2	1.1	.1	.6	.0	.2	.0	.0	.0	.0	1.0	7.3	9.7
NE	.1	.6	.6	4.5	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.8	6.0	8.8
ENE	.1	.4	.4	3.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.6	4.0	8.2
E	.1	.4	.6	4.0	.0	.3	.0	.2	.0	.0	.0	.1	.0	.0	.7	5.0	8.6
ESE	.1	.4	.4	3.2	.1	.4	.0	.3	.0	.1	.0	.1	.0	.0	.6	4.5	9.0
SE	.1	.6	.5	3.7	.1	.7	.1	.4	.0	.2	.0	.1	.0	.0	.8	5.7	9.8
SSE	.1	.9	1.0	7.0	.1	.9	.1	.6	.0	.2	.0	.1	.0	.0	1.3	9.7	9.3
S	.2	1.3	1.7	12.4	.3	2.3	.1	.9	.1	.4	.0	.2	.0	.0	2.4	17.5	9.5
SSW	.1	.4	.3	2.5	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.6	4.0	9.6
SW	.0	.3	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.8	7.1
WSW	.0	.3	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	7.2
W	.0	.3	.2	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.6	7.6
WNW	.0	.2	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	10.2
NW	.0	.3	.2	1.7	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.9	10.2
NNW	.1	.4	.3	2.2	.1	.4	.0	.3	.0	.1	.0	.1	.0	.0	.5	3.5	10.1
CALM	1.6	11.6													1.6	11.6	
TOTAL	2.7	19.9	8.4	61.0	1.4	10.3	.8	5.8	.3	2.3	.1	.7	.0	.1	13.8	100	8.3

BGR BANGOR, ME

CLASS 3 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

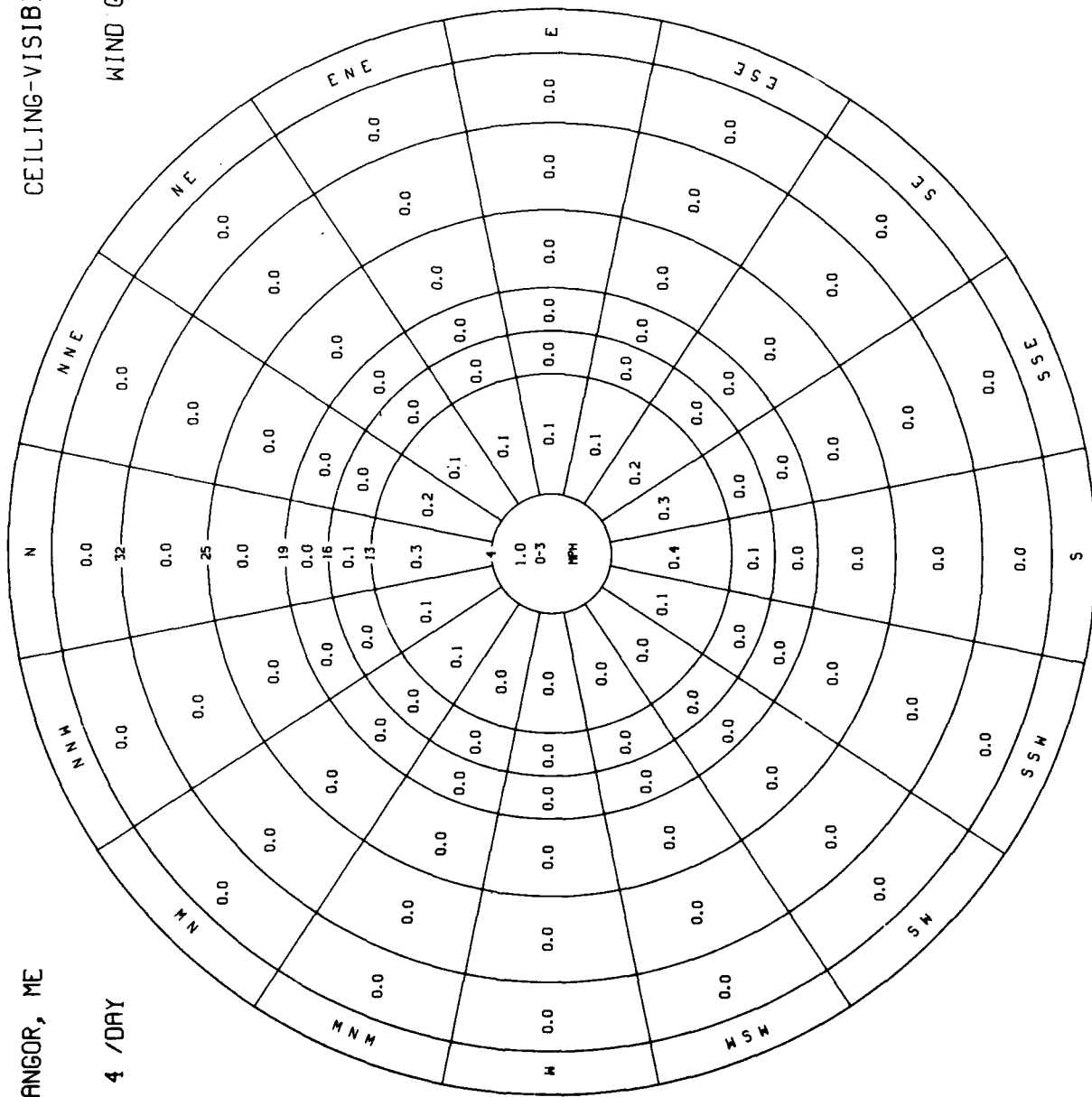
CLASS 3 / NIGHT

NO. OBS.: 3949

STATION NUMBER: 14606

D I R	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	
N	.1	1.1	1.1	8.4	.3	2.3	.2	1.3	.1	.6	.0	.2	.0	.0	1.7 13.8
NNE	.1	.6	.6	4.9	.2	1.3	.1	.8	.0	.3	.0	.1	.0	.0	1.0 8.1
NNE	.1	.7	.4	3.3	.1	.9	.1	.4	.0	.1	.0	.0	.0	.0	.7 5.4
ENE	.1	.4	.3	2.2	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.4 3.1
E	.1	.7	.4	3.0	.1	.5	.0	.2	.0	.1	.0	.1	.0	.0	.6 4.4
ESE	.1	.5	.3	2.8	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.5 4.1
SE	.1	.9	.5	3.6	.1	.7	.1	.5	.0	.2	.0	.2	.0	.0	.8 6.0
SSE	.1	.9	.7	5.4	.1	.9	.1	.5	.0	.2	.0	.1	.0	.0	1.0 8.0
S	.2	1.4	1.2	9.6	.2	1.5	.2	1.2	.1	.5	.0	.3	.0	.1	1.9 14.6
SSW	.0	.3	.3	2.2	.1	.4	.0	.2	.0	.2	.0	.0	.0	.0	.4 3.3
SW	.1	.5	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.6
WSW	.0	.2	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.1
W	.0	.2	.2	1.3	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.2 1.9
WNW	.0	.3	.2	1.3	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.4
NW	.1	.4	.2	1.9	.1	.5	.1	.6	.0	.0	.0	.1	.0	.0	.4 3.5
NNW	.0	.3	.3	2.6	.1	.8	.1	.6	.0	.2	.0	.0	.0	.0	.6 4.6
CALM	1.8	14.1													1.8 14.1
TOTAL	3.0	23.5	6.8	53.8	1.4	11.4	.9	7.2	.3	2.7	.1	1.2	.0	.3	12.7 100
															8.4

BGR BANGOR, ME
 CLASS 4 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

CLASS 4 / DAY

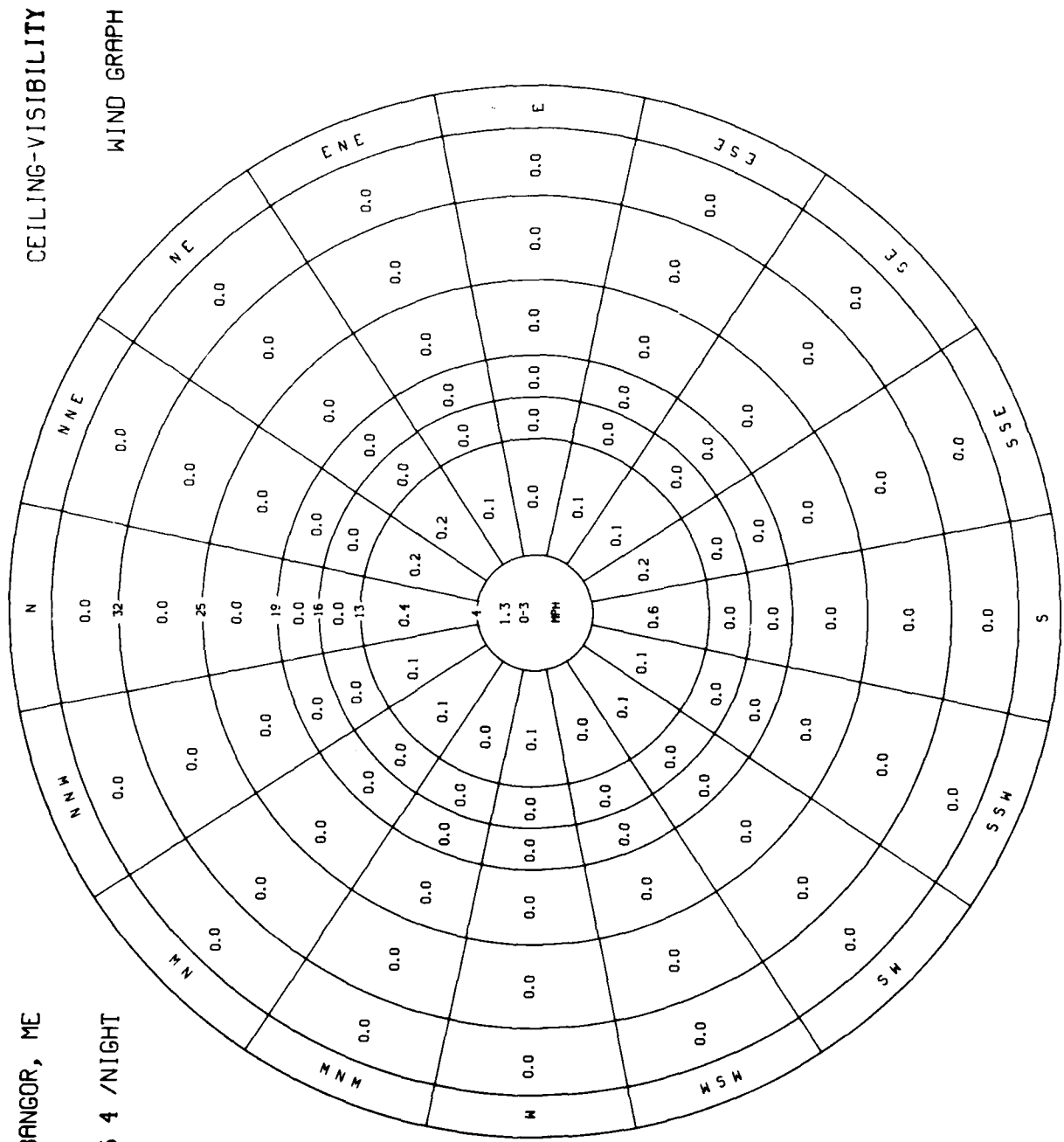
NO. OBS.: 1568

STATION NUMBER: 14606

O I R	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	1.5	.3	7.3	.1	1.3	.0	.7	.0	.6	.0	.3	.0	.0	.4	11.8	9.8
NNE	.0	.6	.2	5.2	.0	1.3	.0	.6	.0	.3	.0	.1	.0	.0	.3	8.1	10.2
NE	.0	.1	.1	4.0	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.2	4.7	8.7
ENE	.0	.3	.1	1.8	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.6	8.2
E	.0	.5	.1	2.6	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.1	3.4	8.0
ESE	.0	.3	.1	2.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.6	7.5
SE	.0	1.0	.2	5.0	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.2	6.5	7.6
SSE	.1	1.3	.3	7.2	.0	.7	.0	.6	.0	.0	.0	.1	.0	.0	.4	9.9	8.3
S	.1	2.2	.4	11.9	.1	1.8	.0	.9	.0	.3	.0	.0	.0	.0	.6	17.2	8.6
SSW	.0	.6	.1	2.1	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.1	3.4	8.6
SW	.0	.5	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	5.8
WSW	.0	.5	.0	.8	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.4	6.1
W	.0	.3	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.8	8.0
WNW	.0	.2	.0	1.0	.0	.1	.0	.2	.0	.2	.0	.0	.0	.0	.1	1.7	9.8
NW	.0	.4	.1	1.6	.0	.1	.0	.2	.0	.5	.0	.1	.0	.1	.1	3.0	11.8
NNW	.0	.3	.1	2.4	.0	.6	.0	.6	.0	.3	.0	.1	.0	.1	.2	4.5	11.2
CALM	.6	16.7													.6	16.7	
TOTAL	1.0	27.4	2.1	56.6	.3	7.6	.2	4.8	.1	2.7	.0	.7	.0	.1	3.7	100	7.4

BGR BANGOR, ME

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGR BANGOR, ME

PERIOD: 1952-1978

CLASS 4 / NIGHT

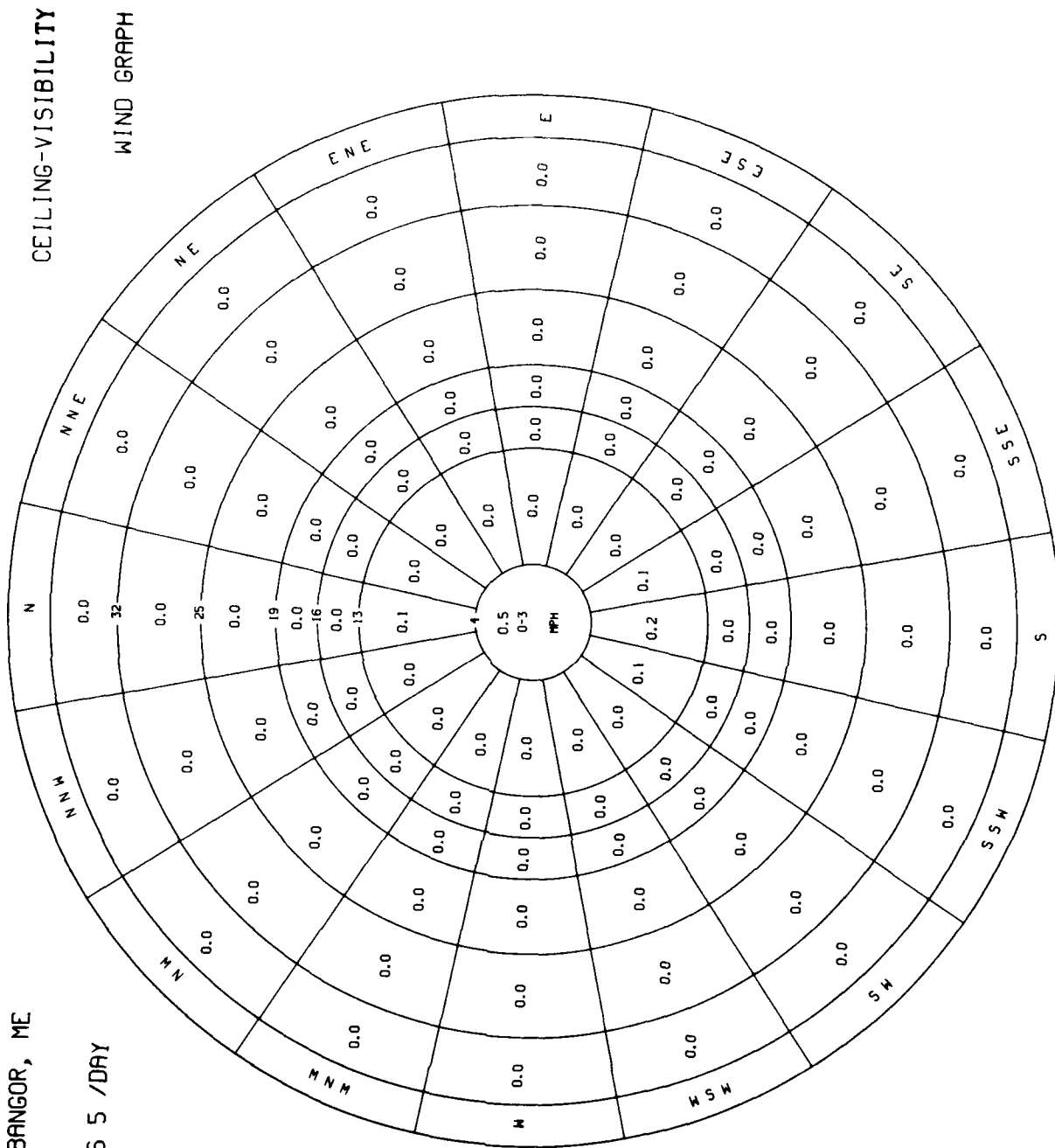
STATION NUMBER: 14606

NO. OBS.: 1311

D I R	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	1.4	.4	8.8	.0	1.1	.0	.5	.0	.7	.0	.2	.0	.0	.5	12.7	9.3
NNE	.0	.7	.2	4.9	.0	1.0	.0	.7	.0	.5	.0	.1	.0	.0	.3	7.8	10.1
NE	.0	1.0	.2	3.7	.0	.7	.0	.3	.0	.0	.0	.1	.0	.0	.2	5.8	7.9
ENE	.0	.5	.1	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	7.5
E	.0	.9	.0	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.3	6.3
ESE	.0	.2	.1	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.8	7.4
SE	.0	.5	.1	3.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	4.3	7.7
SSE	.0	1.1	.2	5.3	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	7.7	8.3
S	.1	3.4	.6	15.4	.0	.8	.0	.5	.0	.2	.0	.0	.0	.0	.9	20.2	7.4
SSW	.0	1.1	.1	3.5	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.2	5.3	6.7
SW	.0	.4	.1	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	6.0
WSW	.0	.4	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.6
W	.0	.8	.1	1.2	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.1	2.3	7.0
WNW	.0	.2	.0	1.0	.0	.0	.0	.1	.0	.2	.0	.1	.0	.0	.1	1.5	9.5
NW	.0	.3	.1	1.5	.0	.2	.0	.4	.0	.3	.0	.0	.0	.0	.1	2.7	10.0
NNW	.0	.2	.1	2.3	.0	.1	.0	.3	.0	.1	.0	.1	.0	.1	.1	3.1	10.7
CALM	.7	16.7													.7	16.7	
TOTAL	1.3	29.8	2.4	57.8	.3	6.2	.1	3.4	.1	2.1	.0	.6	.0	.1	4.2	100	6.8

BGR BANGOR, ME

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

CLASS 5 / DAY

NO. OBS.: 533

STATION NUMBER: 14606

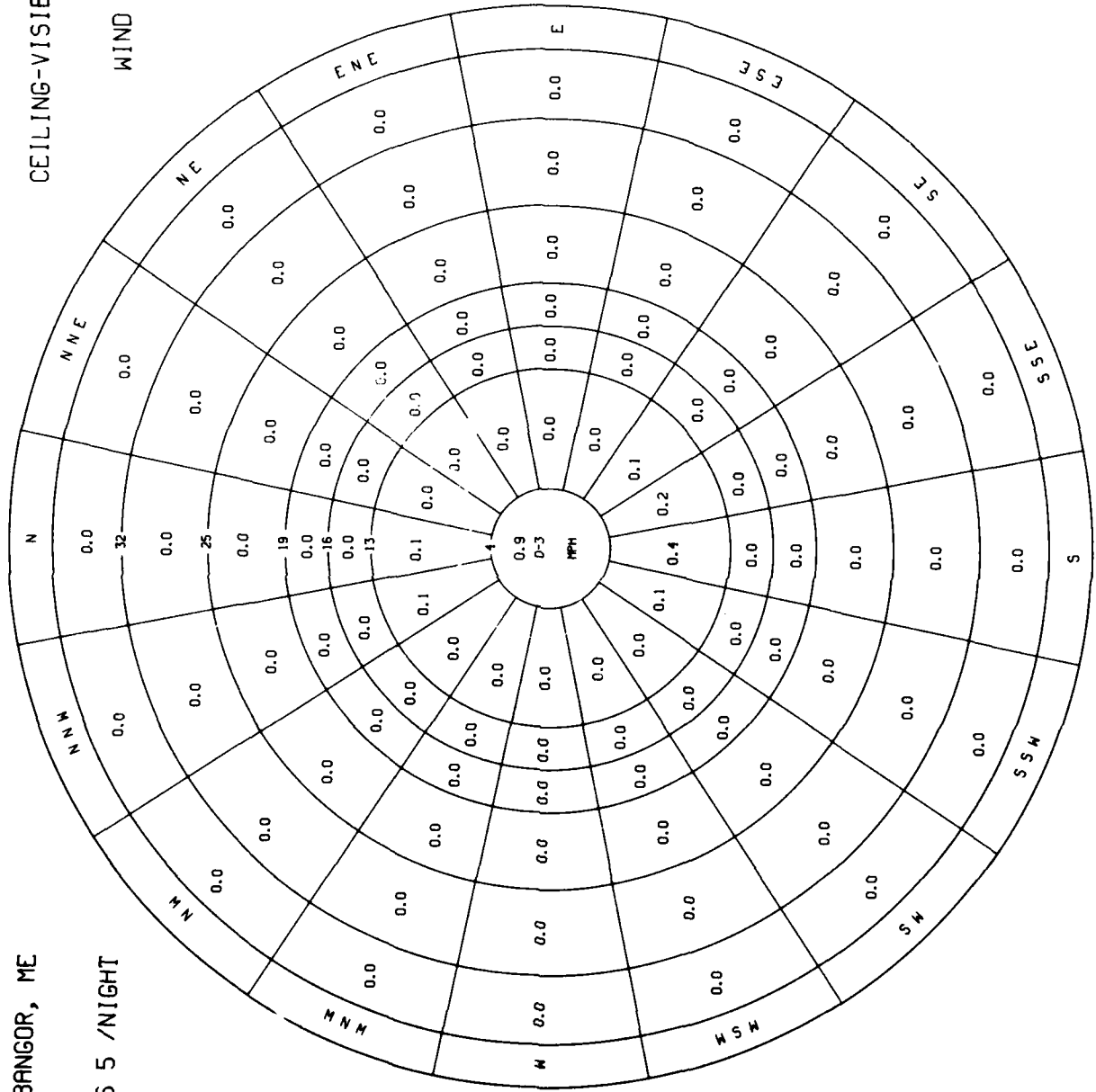
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.1	6.0	.0	1.7	.0	.9	.0	.9	.0	.6	.0	.0	.1 10.9
NNE	.0	.6	.0	3.4	.0	1.1	.0	.6	.0	.2	.0	.2	.0	.0	.1 6.0
NE	.0	.6	.0	2.4	.0	.9	.0	.4	.0	.4	.0	.2	.0	.0	.1 4.9
ENE	.0	.6	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
E	.0	.2	.0	.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 .9
ESE	.0	.2	.0	.8	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0 1.3
SE	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
SSE	.0	2.8	.1	8.4	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.2 12.0
S	.0	3.6	.2	15.8	.0	.6	.0	.4	.0	.4	.0	.0	.0	.0	.3 20.6
SSW	.0	1.5	.1	4.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 6.2
SW	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
WSW	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
W	.0	.4	.0	.6	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0 1.3
WNW	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
NW	.0	.4	.0	1.3	.0	.2	.0	.0	.0	.4	.0	.2	.0	.2	.0 2.6
NNW	.0	.2	.0	2.1	.0	.6	.0	.6	.0	.0	.0	.4	.0	.2	.1 3.9
CALM	.3	21.8													.3 21.8
TOTAL	.5	36.0	.6	49.9	.1	6.0	.0	3.6	.0	2.4	.0	1.7	.0	.4	1.3 100

BGR BANGOR, ME

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGR BANGOR, ME

PERIOD: 1952-1978

CLASS 5 / NIGHT

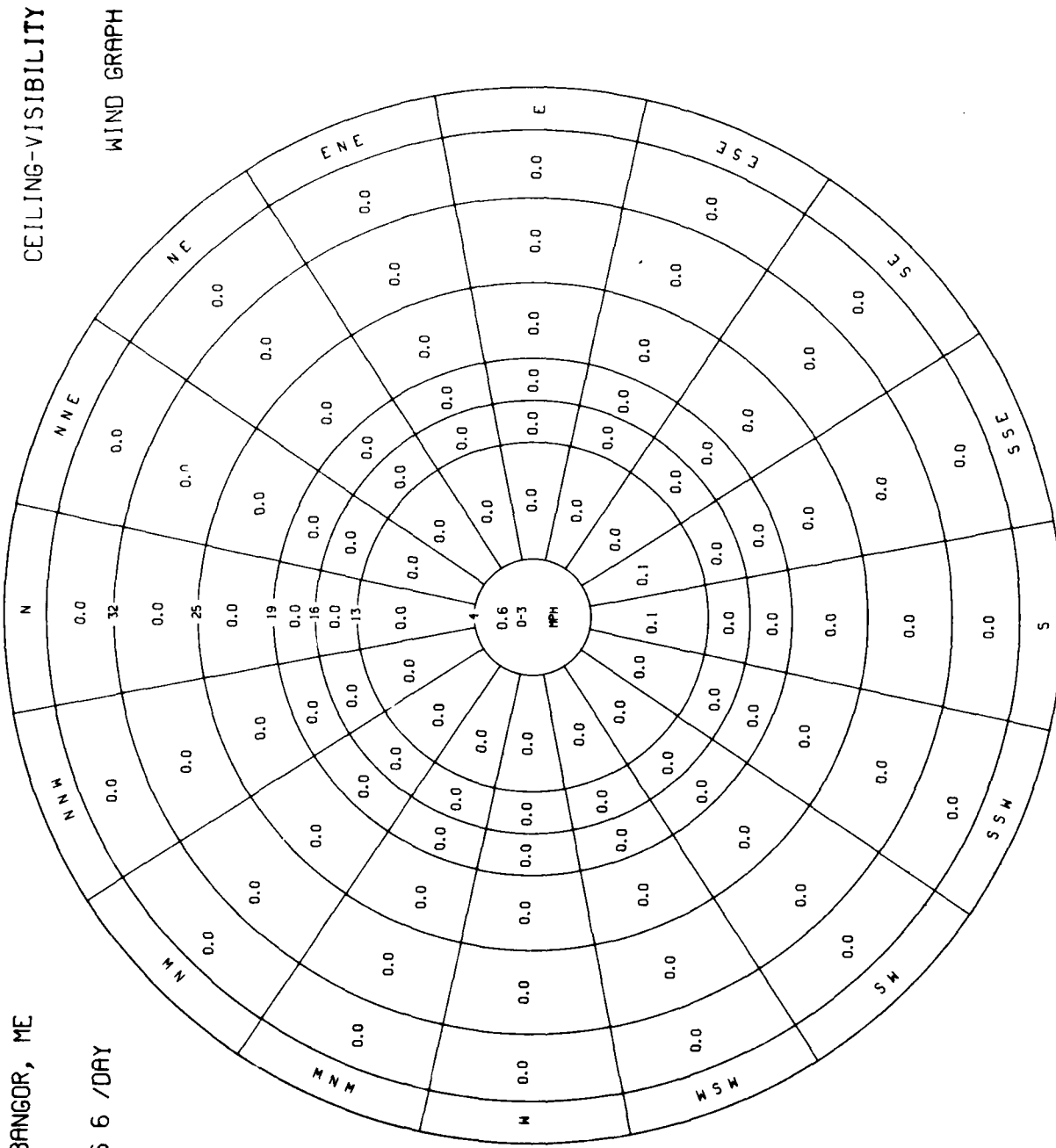
STATION NUMBER: 14606

NO. OBS.: 665

D I R	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	
N	.0	1.8	.1	3.9	.0	.5	.0	1.5	.0	.8	.0	.0	.0	.0	.2 8.4
NNE	.0	.5	.0	1.2	.0	.9	.0	1.1	.0	.3	.0	.0	.0	.0	.1 3.9
NE	.0	.3	.0	.6	.0	.2	.0	.3	.0	.3	.0	.0	.0	.0	.0 1.7
ENE	.0	.2	.0	.8	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.1
E	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
ESE	.0	.6	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SE	.0	.9	.1	2.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1 3.6
SSE	.0	1.7	.2	8.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2 10.1
S	.1	5.0	.4	18.5	.0	.8	.0	.3	.0	.2	.0	.0	.0	.0	.5 24.7
SSW	.0	1.4	.1	4.8	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 6.3
SW	.0	.5	.0	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
WSW	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
W	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
WNW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
NW	.0	.5	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
NNW	.0	.9	.1	2.6	.0	.3	.0	.5	.0	.3	.0	.0	.0	.0	.1 4.5
CALM	.6	26.2													.6 26.2
TOTAL	.9	42.0	1.0	48.7	.1	3.3	.1	4.2	.0	1.8	.0	.0	.0	.0	2.1 100
															5.4

BGR BANGOR, ME

CLASS 6 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1952-1978

STATION NAME: BGR BANGOR, ME

CLASS 6 / DAY

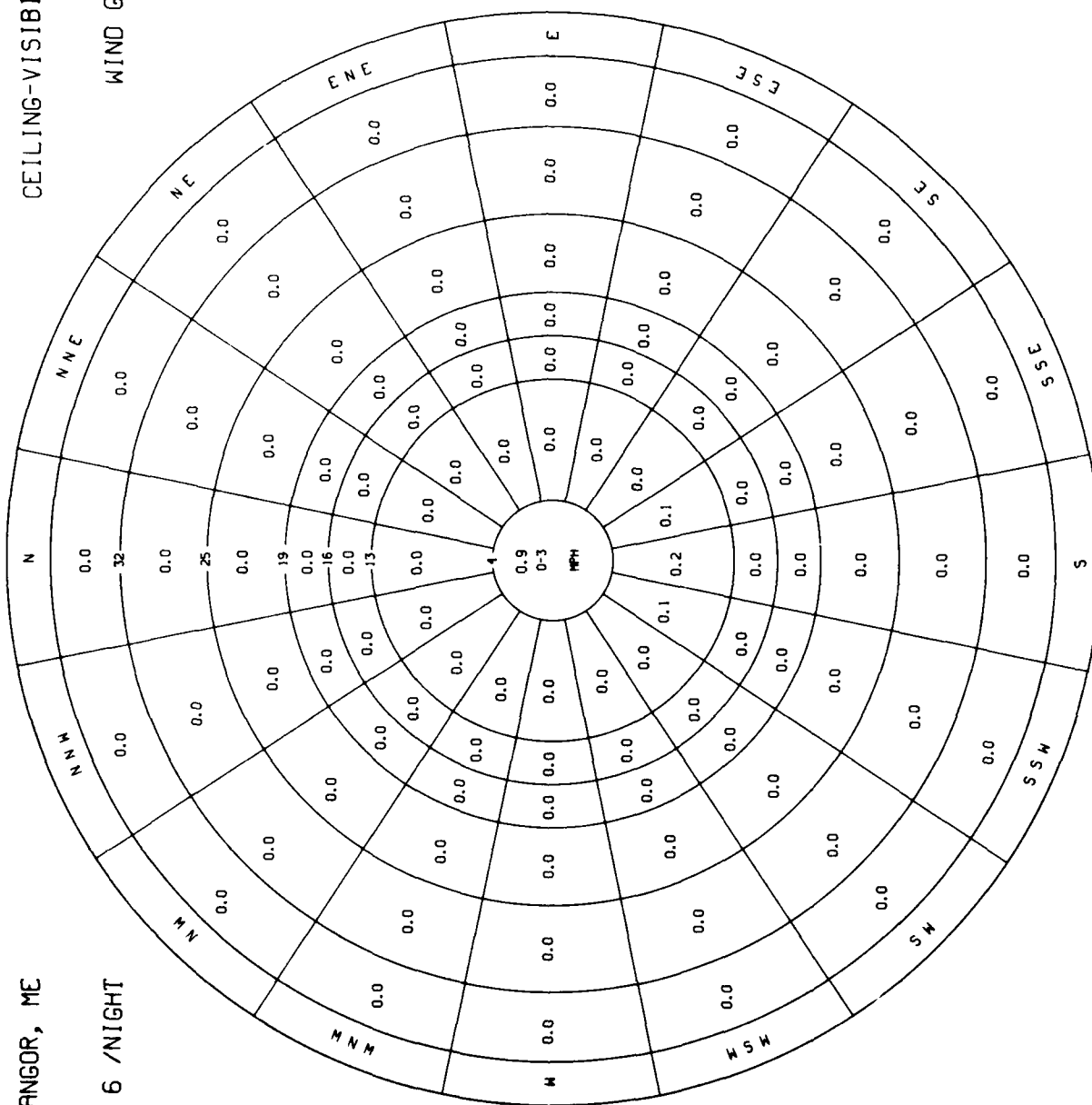
NO. OBS.: 396

STATION NUMBER: 14606

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.3	.0	1.8	.0	.5	.0	1.5	.0	.5	.0	.0	.0	.0	.1	5.6	11.2
NNE	.0	.5	.0	.5	.0	.0	.0	.5	.0	.5	.0	.3	.0	.3	.0	2.5	16.2
NE	.0	.5	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.3	.0	1.5	14.7
ENE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.0
E	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.7
ESE	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.3
SE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.5
SSE	.0	.5	.1	5.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	7.1
S	.1	7.3	.1	12.6	.0	.5	.0	.0	.0	.3	.0	.0	.0	.0	.2	20.7	5.8
SSW	.0	1.5	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	6.3
SW	.0	.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.7
WSW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.0
W	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.7
WNW	.0	.5	.0	.3	.0	.0	.0	.3	.0	.0	.0	.3	.0	.3	.0	1.5	15.3
NW	.0	.3	.0	1.8	.0	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	3.0	11.7
NNW	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	1.3	14.2
CALM	.4	45.5													.4	45.5	
TOTAL	.6	60.1	.3	31.8	.0	1.8	.0	2.5	.0	1.8	.0	1.0	.0	1.0	.9	100	4.4

CEILING-VISIBILITY

WIND GRAPH



BGR BANGOR, ME

CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BGR BANGOR, ME

PERIOD: 1952-1978

CLASS 6 / NIGHT

STATION NUMBER: 14606

NO. OBS.: 485

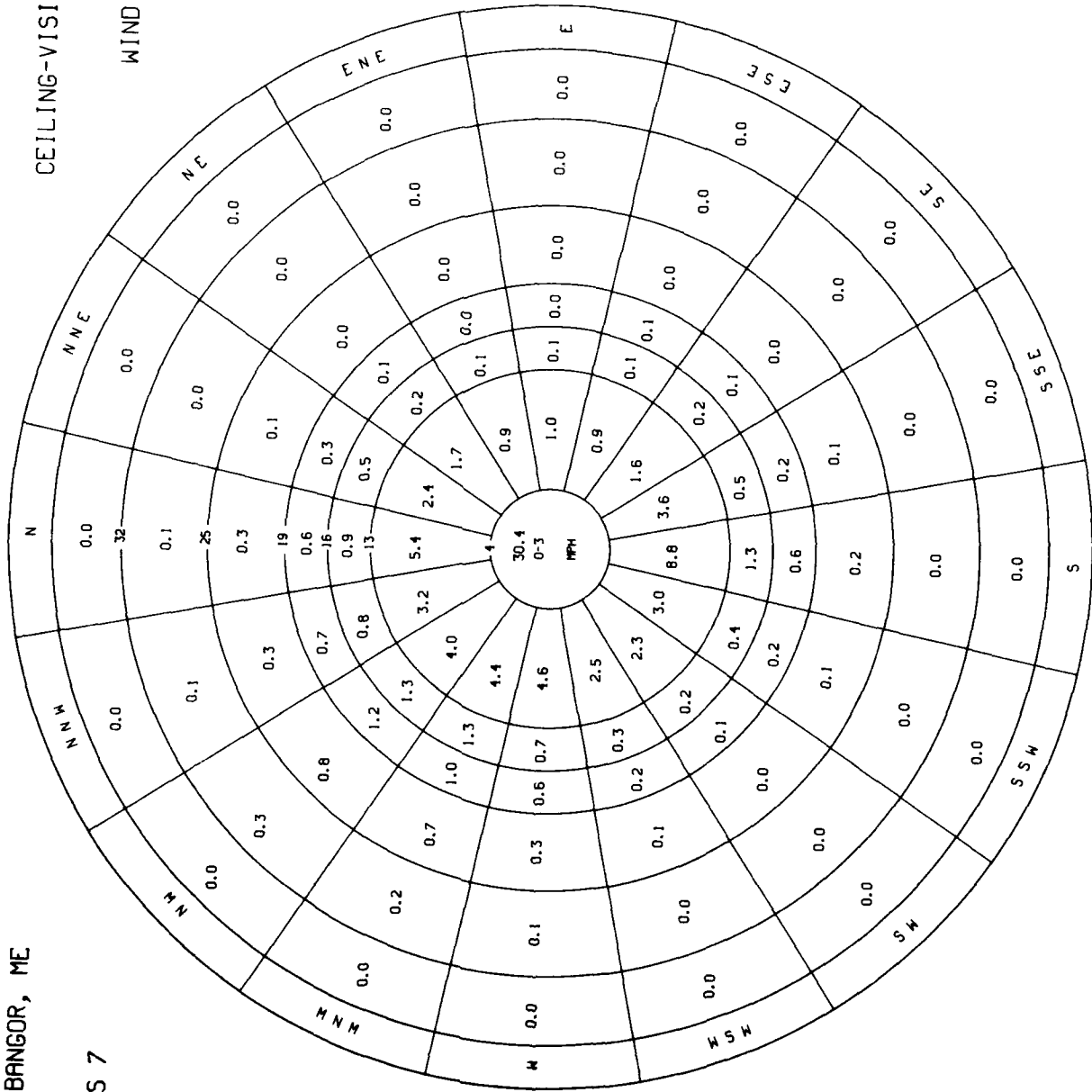
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.0	2.5	.0	.0	.0	.2	.0	.4	.0	.2	.0	.0	.1 4.5
NNE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 1.0
NNE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.2	.0	.4	.0	.0	.0 1.4
ENE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
E	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
ESE	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
SE	.0	1.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
SSE	.0	2.9	.1	6.8	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2 9.9
S	.1	6.2	.2	15.1	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.3 22.1
SSW	.0	1.4	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.2
SW	.0	1.2	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
WSW	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
W	.0	.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
WNW	.0	1.4	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0 3.1
NW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
NNW	.0	.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0 8
CALM	.6	41.0													.6 41.0
TOTAL	.9	59.4	.6	36.7	.0	.8	.0	.8	.0	1.0	.0	1.0	.0	.2	1.6 100
															3.8

BGR BANGOR, ME

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

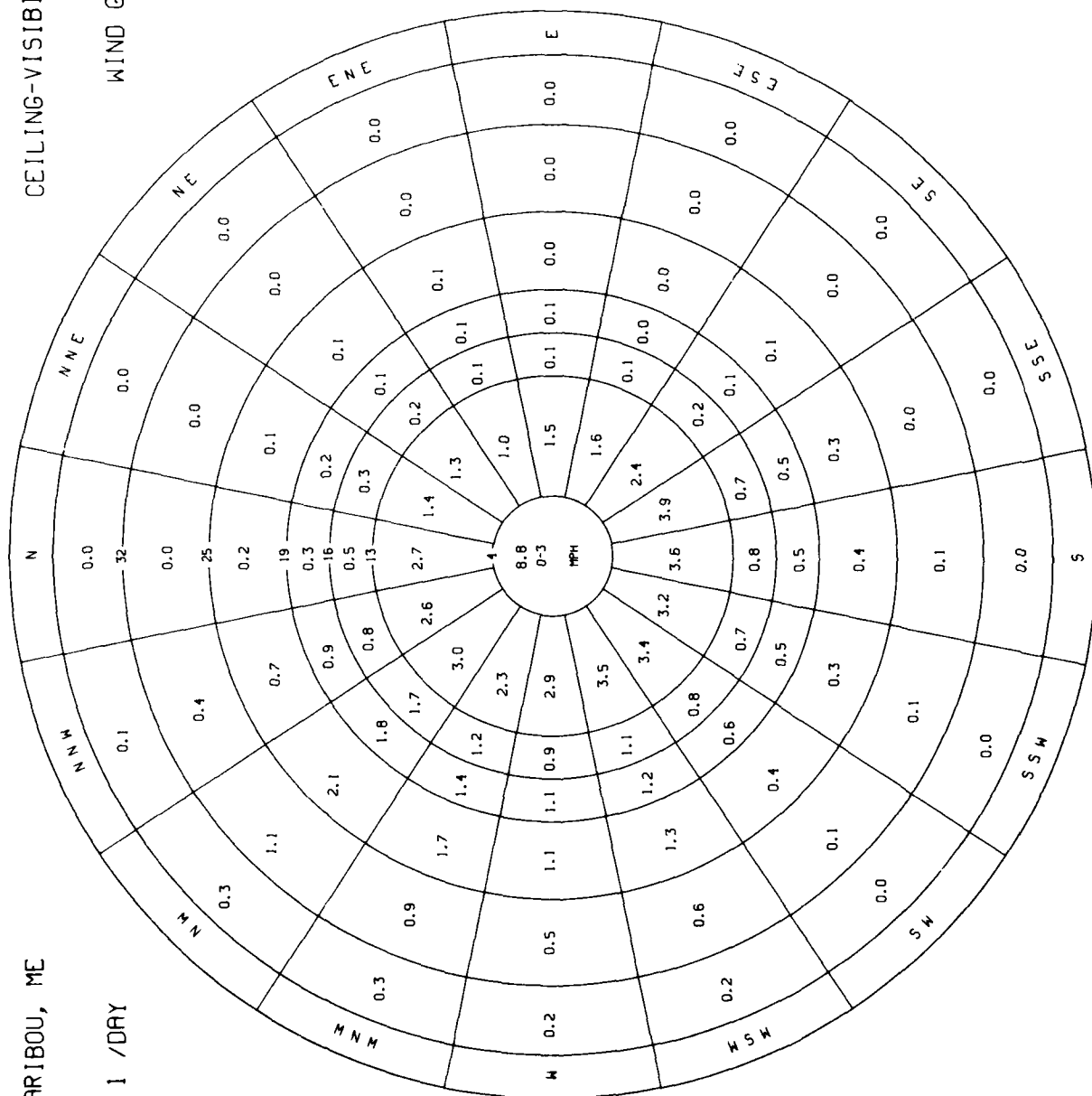


CEILING-VISIBILITY

WIND GRAPH

CAR CARIBOU, ME

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

CLASS 1 / DAY

STATION NUMBER: 14607

NO. OBS.: 21196

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
															TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.3	.3	2.7	3.3	.5	.6	.3	.4	.2	.2	.0	.1	.0	.0	4.0	4.8	10.1		
NNE	.2	.3	1.4	1.7	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.2	2.7	9.7		
NE	.3	.4	1.3	1.5	.2	.2	.1	.2	.1	.2	.0	.0	.0	.0	2.0	2.5	9.1		
ENE	.2	.3	1.0	1.2	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.5	1.8	8.5		
E	.5	.6	1.5	1.8	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.6	7.3		
ESE	.3	.3	1.6	1.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.1	2.5	7.6		
SE	.4	.5	2.4	2.9	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	3.2	3.9	8.2		
SSE	.4	.4	3.9	4.7	.7	.8	.5	.6	.3	.3	.0	.0	.0	.0	5.7	6.9	10.0		
S	.4	.5	3.6	4.3	.8	1.0	.5	.7	.4	.5	.1	.1	.0	.0	5.9	7.1	10.6		
SSW	.4	.4	3.2	3.9	.7	.9	.5	.6	.3	.4	.1	.1	.0	.0	5.3	6.4	10.9		
SW	.5	.6	3.4	4.2	.8	1.0	.6	.8	.4	.5	.1	.1	.0	.0	5.9	7.1	10.9		
WSW	.3	.4	3.5	4.2	1.1	1.4	1.2	1.5	1.3	1.6	.6	.7	.2	.2	8.1	9.8	14.2		
W	.3	.3	2.9	3.5	.9	1.1	1.1	1.4	1.1	1.3	.5	.6	.2	.3	7.0	8.5	14.9		
WNW	.1	.2	2.3	2.8	1.2	1.5	1.4	1.7	1.7	2.0	.9	1.1	.3	.3	7.9	9.6	16.8		
NW	.3	.3	3.0	3.6	1.7	2.0	1.8	2.2	2.1	2.5	1.1	1.4	.3	.3	10.3	12.4	16.4		
NNW	.2	.2	2.6	3.2	.8	1.0	.9	1.1	.7	.8	.4	.5	.1	.1	5.6	6.8	13.7		
CALM	3.8	4.6													3.8	4.6			
TOTAL	8.8	10.6	40.3	48.7	10.3	12.4	9.6	11.6	8.9	10.7	3.9	4.7	1.0	1.3	82.8	100	12.0		

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

CLASS 1 / NIGHT

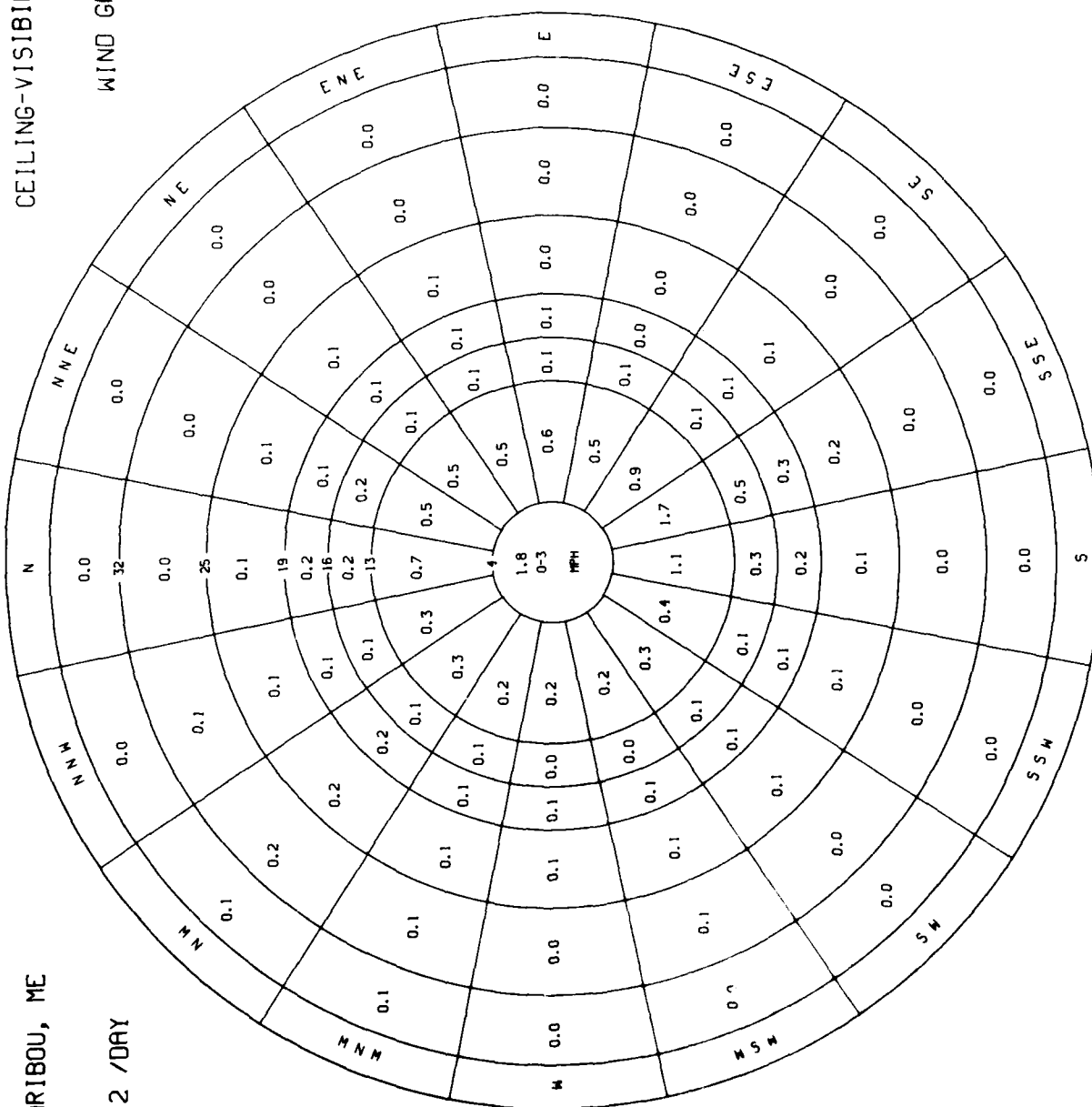
STATION NUMBER: 14607

NO. OBS.: 15009

D I R	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	3.6	4.4	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	4.7	5.7	9.1
NNE	.3	.4	1.9	2.3	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.7	3.3	8.7
NE	.4	.4	1.3	1.6	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.0	2.4	8.3
ENE	.3	.4	1.1	1.3	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.6	1.9	7.6
E	.3	.4	1.3	1.6	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	1.8	2.2	7.2
ESE	.3	.4	1.2	1.4	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.6	1.9	7.1
SE	.4	.5	1.8	2.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.5	3.0	7.2
SSE	.4	.5	4.2	5.1	.4	.4	.3	.4	.1	.1	.0	.0	.0	.0	5.4	6.6	8.8
S	.5	.6	3.9	4.7	.4	.5	.2	.3	.2	.2	.0	.1	.0	.0	5.3	6.4	9.0
SSW	.4	.5	3.8	4.6	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	4.9	6.0	8.9
SW	.6	.8	5.2	6.3	.6	.7	.3	.3	.1	.2	.1	.1	.0	.0	6.8	8.3	8.7
WSW	.5	.6	6.2	7.5	1.0	1.2	.6	.7	.6	.7	.2	.3	.1	.1	9.2	11.1	10.7
W	.3	.4	4.9	6.0	1.1	1.3	.8	.9	.7	.9	.4	.4	.2	.2	8.4	10.2	12.6
WNW	.1	.2	3.3	4.1	1.1	1.4	1.0	1.2	1.0	1.3	.4	.5	.2	.2	7.2	8.7	14.4
NW	.2	.2	3.2	3.9	1.6	2.0	1.5	1.8	1.4	1.7	.5	.6	.2	.2	8.5	10.4	15.0
NNW	.2	.2	3.2	3.9	.6	.8	.6	.7	.4	.5	.2	.2	.0	.0	5.2	6.3	11.7
CALM	4.5	5.5													4.5	5.5	
TOTAL	10.2	12.4	50.1	60.9	8.2	10.0	6.2	7.5	5.1	6.2	1.9	2.3	.6	.8	82.3	100	10.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

CLASS 2 / DAY

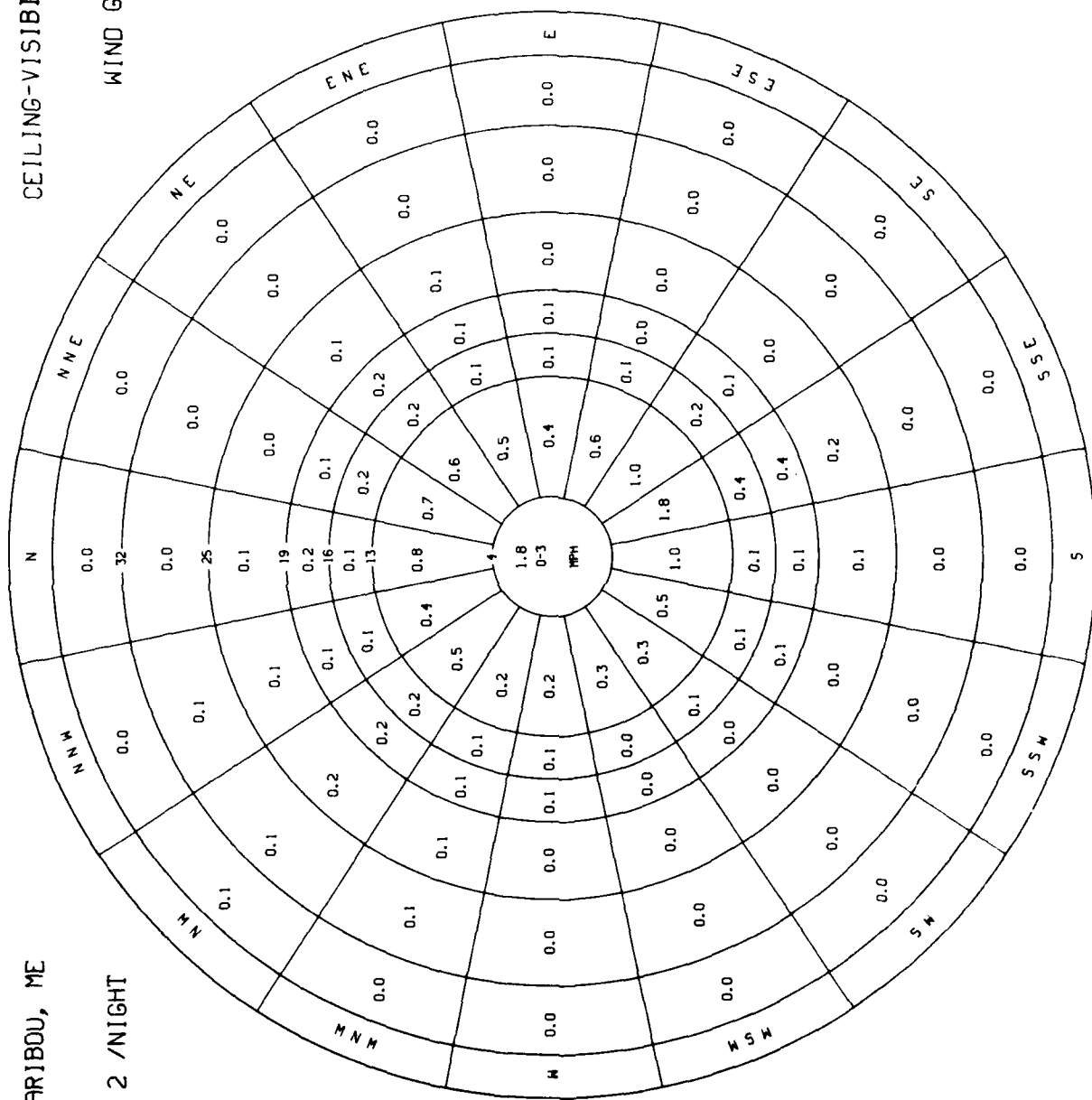
STATION NUMBER: 14607

NO. OBS.: 4408

D I R	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	
N	.1	.3	.7	4.2	.2	1.1	.2	1.0	.1	.5	.0	.2	.0	.0	1.3 7.4
NNE	.0	.2	.5	2.9	.2	1.0	.1	.5	.1	.4	.0	.1	.0	.0	.9 5.1
NNE	.1	.5	.5	3.1	.1	.7	.1	.5	.1	.5	.0	.0	.0	.0	.9 5.2
ENE	.1	.4	.5	2.6	.1	.8	.1	.6	.1	.5	.0	.1	.0	.0	.9 5.1
E	.1	.5	.6	3.6	.1	.5	.1	.6	.0	.3	.0	.1	.0	.0	.9 5.5
ESE	.1	.5	.5	3.1	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.8 4.4
SE	.1	.5	.9	5.4	.1	.8	.1	.8	.1	.4	.0	.0	.0	.0	1.4 7.9
SSE	.1	.5	1.7	9.8	.5	2.6	.3	1.7	.2	1.1	.0	.2	.0	.0	2.8 16.1
S	.1	.4	1.1	6.4	.3	1.7	.2	.9	.1	.7	.0	.2	.0	.0	1.8 10.3
SSW	.0	.2	.4	2.5	.1	.5	.1	.4	.1	.5	.0	.0	.0	.0	.7 4.1
SW	.0	.2	.3	1.6	.1	.3	.1	.3	.1	.3	.0	.1	.0	.1	.5 3.0
WSW	.0	.2	.2	1.1	.0	.2	.1	.4	.1	.4	.1	.3	.0	.2	.5 2.8
W	.0	.2	.2	1.3	.0	.2	.1	.3	.1	.4	.0	.2	.0	.2	.5 2.7
WNW	.0	.0	.2	1.0	.1	.6	.1	.4	.1	.3	.1	.5	.1	.4	.6 3.2
NW	.0	.0	.3	2.0	.1	.8	.2	1.1	.2	1.2	.2	1.1	.1	.5	1.2 6.8
NNW	.0	.3	.3	1.9	.1	.6	.1	.8	.1	.7	.1	.4	.0	.1	.8 4.8
CALM	1.0	5.6													1.0 5.6
TOTAL	1.8	10.7	9.0	52.5	2.2	12.9	1.8	10.5	1.4	8.3	.6	3.7	.2	1.4	17.2 100

CEILING-VISIBILITY

WIND GRAPH



CAR CARIBOU, ME

CLASS 2 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1962

STATION NAME: CAR CARIBOU, ME

CLASS 2 / NIGHT

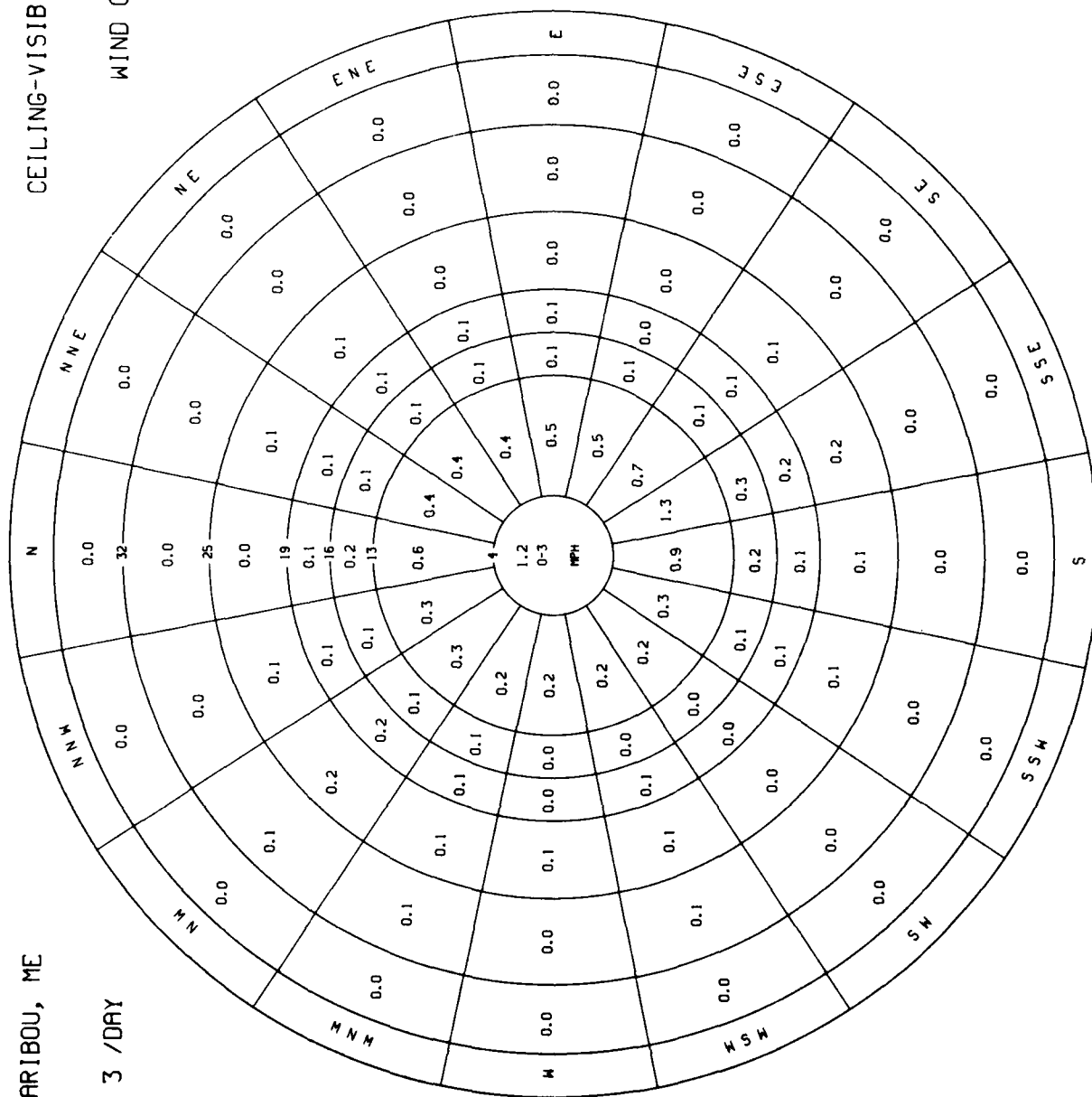
NO. OBS.: 3217

STATION NUMBER: 14607

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.1	.6	.8	4.6	.1	.8	.2	1.1	.1	.6	.0	.2	.0	.0	1.4	7.9	11.2
NNE	.0	.3	.7	3.7	.2	.9	.1	.7	.0	.2	.0	.1	.0	.0	1.1	6.0	10.9
NNE	.1	.5	.6	3.4	.2	.9	.2	1.0	.1	.5	.0	.2	.0	.0	1.1	6.5	11.6
ENE	.0	.2	.5	2.7	.1	.6	.1	.7	.1	.4	.0	.1	.0	.0	.8	4.7	11.7
E	.1	.6	.4	2.5	.1	.5	.1	.3	.0	.2	.0	.1	.0	.0	.7	4.2	9.9
ESE	.1	.4	.6	3.5	.1	.4	.0	.2	.0	.3	.0	.0	.0	.0	.8	4.7	8.9
SE	.1	.4	1.0	5.4	.2	.9	.1	.6	.0	.3	.0	.0	.0	.0	1.3	7.6	9.8
SSE	.1	.7	1.8	10.1	.4	2.4	.4	2.1	.2	1.2	.0	.3	.0	.1	3.0	16.8	11.7
S	.1	.3	1.0	5.9	.1	.8	.1	.4	.1	.7	.0	.1	.0	.0	1.5	8.3	10.7
SSW	.0	.1	.5	2.8	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.7	4.1	10.5
SW	.1	.6	.3	1.6	.1	.4	.0	.2	.0	.1	.0	.1	.0	.1	.5	3.0	9.7
WSW	.0	.2	.3	1.7	.0	.2	.0	.1	.0	.3	.0	.2	.0	.1	.5	2.9	11.1
W	.0	.2	.2	1.3	.1	.3	.1	.3	.0	.3	.0	.2	.0	.2	.5	2.8	14.3
WNW	.0	.0	.2	1.3	.1	.4	.1	.6	.1	.7	.1	.4	.0	.1	.6	3.6	16.0
NW	.0	.1	.5	2.6	.2	.9	.2	.9	.2	1.3	.1	.7	.1	.4	1.2	6.9	16.8
NNW	.0	.2	.4	2.1	.1	.7	.1	.6	.1	.8	.1	.5	.0	.1	.9	5.1	14.9
CALM	.9	4.9													.9	4.9	
TOTAL	1.8	10.3	9.8	55.5	2.1	11.6	1.8	10.3	1.4	8.1	.5	3.1	.2	1.1	17.7	100	11.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1962

STATION NAME: CAR CARIBOU, ME

CLASS 3 / DAY

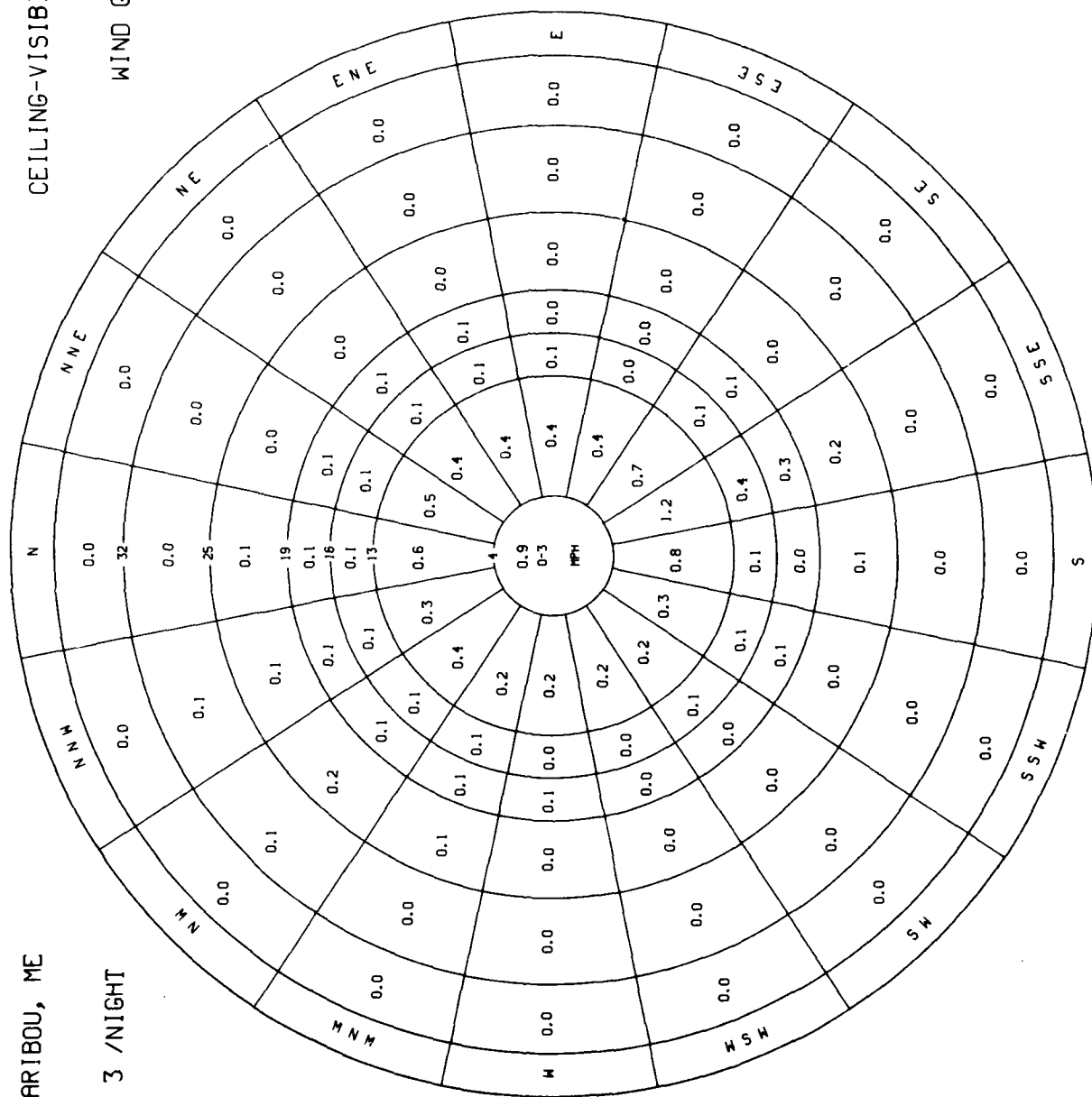
NO. OBS.: 3447

STATION NUMBER: 14607

D I R	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	.6	4.5	.2	1.2	.1	.9	.0	.3	.0	.1	.0	.0	1.0	7.4	11.1					
NNE	.0	.2	.4	3.2	.1	1.0	.1	.5	.1	.4	.0	.1	.0	.0	.7	5.3	11.5					
NE	.1	.4	.4	3.2	.1	.6	.1	.4	.1	.5	.0	.0	.0	.0	.7	5.2	10.6					
ENE	.1	.4	.4	2.6	.1	.7	.1	.5	.0	.3	.0	.1	.0	.0	.6	4.7	11.1					
E	.1	.5	.5	3.6	.1	.5	.1	.5	.0	.2	.0	.1	.0	.0	.7	5.3	9.9					
ESE	.1	.5	.5	3.4	.1	.4	.0	.3	.0	.2	.0	.1	.0	.0	.6	4.7	9.1					
SE	.1	.5	.7	5.5	.1	1.0	.1	.8	.1	.4	.0	.0	.0	.0	1.1	8.2	10.0					
SSE	.1	.4	1.3	9.5	.3	2.6	.2	1.9	.2	1.2	.0	.3	.0	.0	2.1	15.8	11.8					
S	.0	.2	.9	6.4	.2	1.9	.1	1.0	.1	.8	.0	.2	.0	.0	1.4	10.6	11.8					
SSW	.0	.1	.3	2.5	.1	.6	.1	.4	.1	.6	.0	.0	.0	.0	.6	4.2	11.9					
SW	.0	.2	.2	1.5	.0	.3	.0	.3	.0	.3	.0	.1	.0	.1	.4	3.0	12.6					
WSW	.0	.1	.2	1.1	.0	.2	.1	.4	.1	.5	.1	.4	.0	.1	.4	2.9	15.5					
W	.0	.1	.2	1.4	.0	.3	.0	.3	.1	.5	.0	.2	.0	.1	.4	2.9	14.2					
WNW	.0	.1	.2	1.2	.1	.7	.1	.4	.1	.4	.1	.5	.0	.3	.5	3.5	16.8					
NW	.0	.1	.3	2.3	.1	1.0	.2	1.2	.2	1.4	.1	.9	.0	.3	1.0	7.2	16.9					
NNW	.0	.2	.3	2.1	.1	.7	.1	.8	.1	.8	.0	.3	.0	.0	.7	4.9	13.7					
CALM	.6	4.3													.6	4.3						
TOTAL	1.2	8.6	7.3	54.0	1.8	13.5	1.4	10.6	1.2	8.8	.5	3.4	.1	1.0	13.5	100	11.6					

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

CLASS 3 / NIGHT

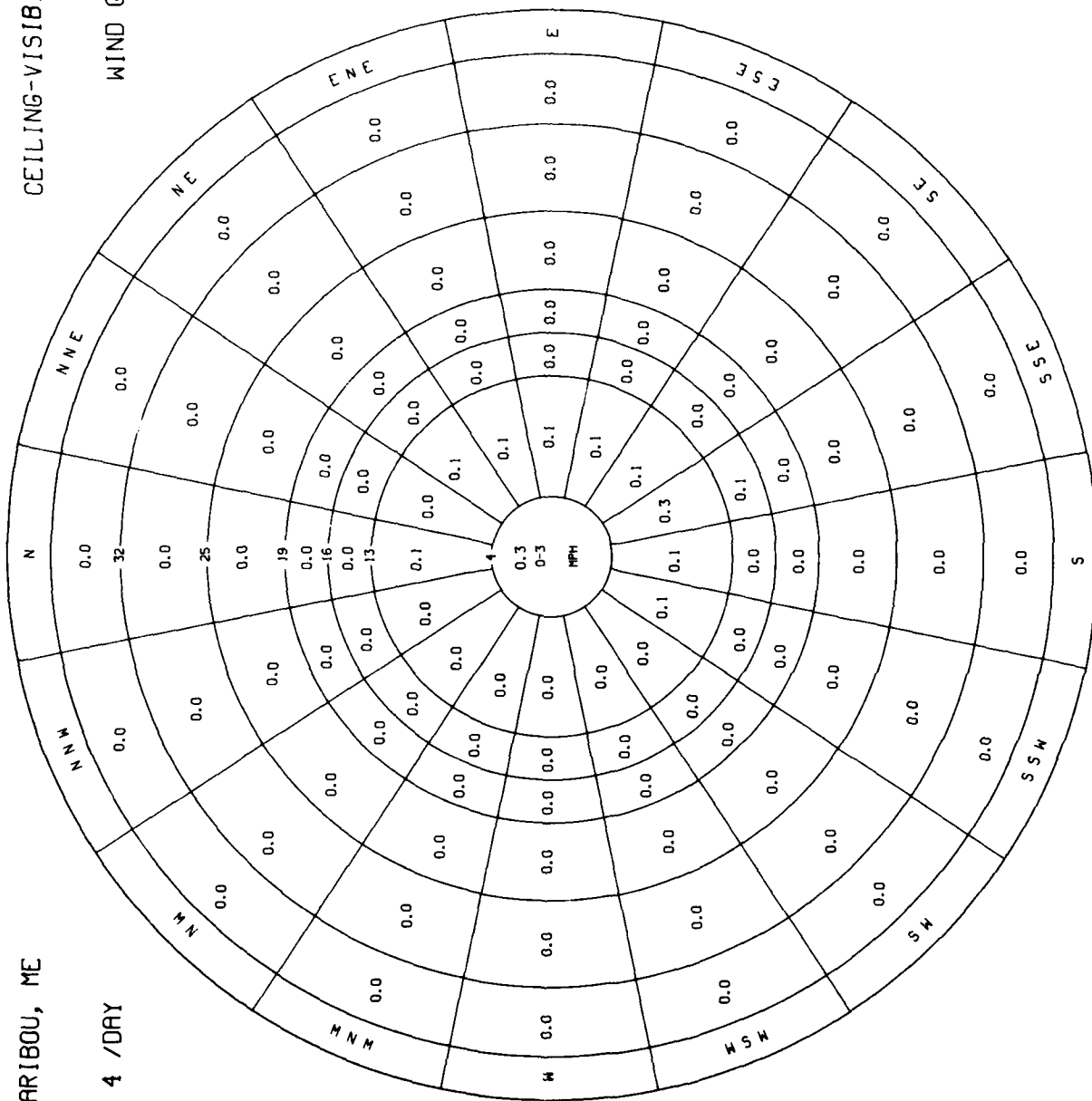
STATION NUMBER: 14607

NO. OBS.: 2343

D I R	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	.6	4.7	.1	.9	.1	1.0	.1	.5	.0	.1	.0	.0	1.0	7.5	11.1
NNE	.0	.3	.5	3.8	.1	.9	.1	.7	.0	.2	.0	.0	.0	.0	.8	5.9	10.4
NE	.0	.4	.4	3.4	.1	.9	.1	.9	.0	.4	.0	.2	.0	.0	.8	6.2	11.6
ENE	.0	.1	.4	3.0	.1	.6	.1	.6	.0	.4	.0	.1	.0	.0	.6	4.9	11.5
E	.0	.3	.4	2.9	.1	.5	.0	.4	.0	.2	.0	.0	.0	.0	.6	4.4	10.2
ESE	.1	.4	.4	3.4	.0	.4	.0	.2	.0	.4	.0	.0	.0	.0	.6	4.9	9.1
SE	.0	.2	.7	5.4	.1	1.0	.1	.7	.0	.3	.0	.0	.0	.0	1.0	7.7	10.4
SSE	.1	.6	1.2	9.0	.4	2.7	.3	2.3	.2	1.4	.0	.3	.0	.2	2.1	16.5	12.4
S	.0	.3	.8	5.8	.1	.9	.0	.4	.1	.8	.0	.1	.0	.0	1.1	8.5	11.0
SSW	.0	.0	.3	2.7	.1	.6	.1	.6	.0	.2	.0	.0	.0	.0	.5	4.1	11.2
SW	.0	.3	.2	1.5	.1	.5	.0	.2	.0	.2	.0	.1	.0	.1	.4	2.8	11.4
WSW	.0	.2	.2	1.7	.0	.3	.0	.2	.0	.3	.0	.1	.0	.0	.4	2.9	11.0
W	.0	.2	.2	1.7	.0	.4	.1	.4	.0	.3	.0	.1	.0	.3	.4	3.4	14.6
WNW	.0	.0	.2	1.5	.1	.5	.1	.8	.1	.9	.0	.4	.0	.1	.5	4.2	16.3
NW	.0	.1	.4	3.1	.1	1.1	.1	.9	.2	1.6	.1	.6	.0	.1	1.0	7.5	15.5
NNW	.0	.2	.3	2.3	.1	.9	.1	.7	.1	.9	.1	.5	.0	.0	.7	5.5	14.3
CALM	.4	3.3													.4	3.3	
TOTAL	.9	7.4	7.2	56.0	1.7	13.2	1.4	10.9	1.2	9.0	.4	2.7	.1	.9	12.9	100	11.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

CLASS 4 / DAY

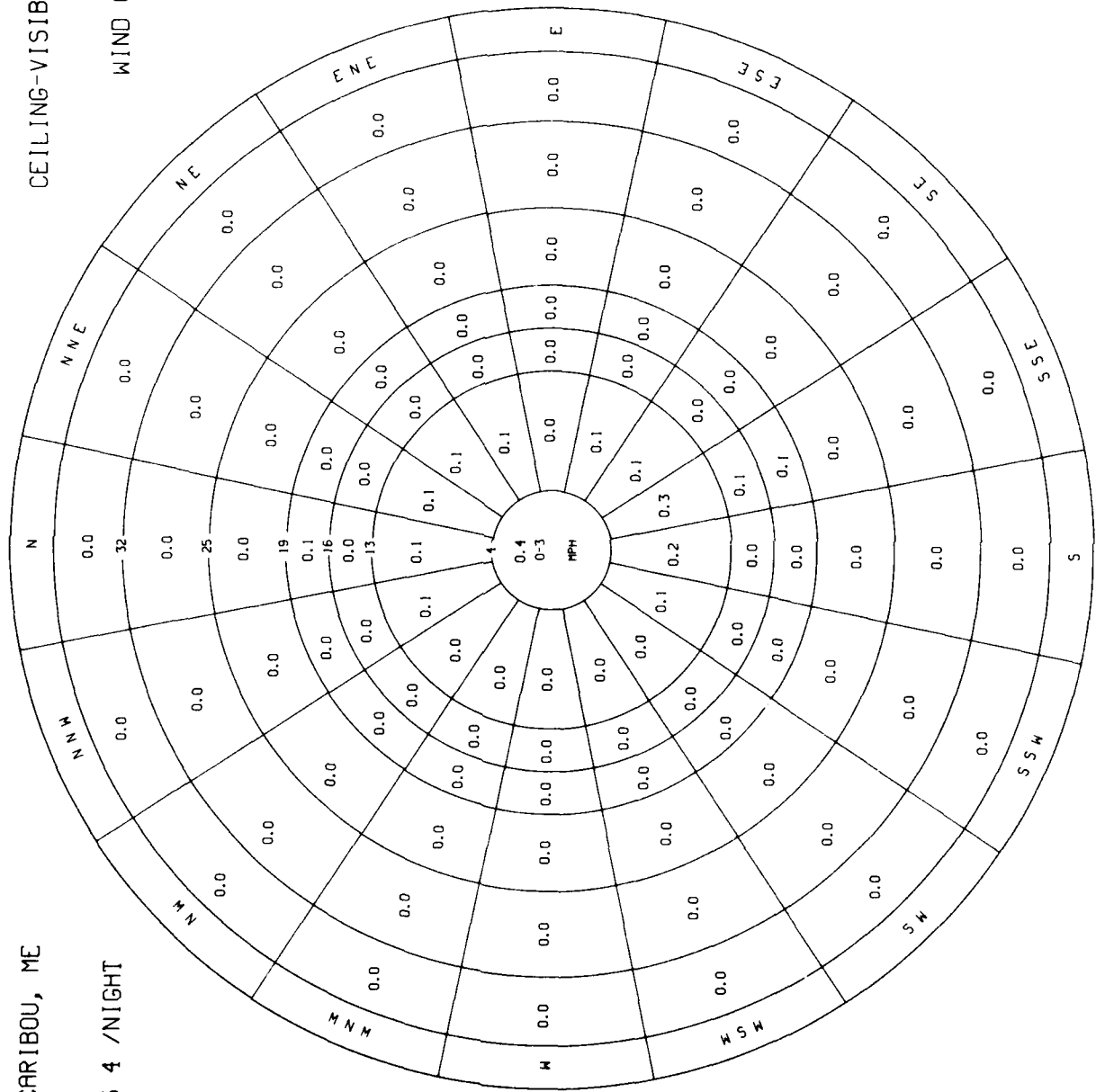
STATION NUMBER: 14607

NO. OBS.: 559

D I R	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	C	D	C	D	C	D	C	D	C	D	C	D			
N	.0	.4	.1	3.8	.0	1.6	.0	1.1	.0	1.1	.0	.0	.0	.0	.2	7.9	11.9
NNE	.0	.2	.0	1.6	.0	.7	.0	1.1	.0	1.1	.0	.2	.0	.0	.1	4.8	14.3
NE	.0	.4	.1	3.0	.0	1.3	.0	.4	.0	.4	.0	.0	.0	.0	.1	5.4	11.7
ENE	.0	.2	.1	3.2	.0	1.4	.0	1.3	.0	.5	.0	.0	.0	.0	.1	6.6	12.9
E	.0	.9	.1	3.8	.0	.5	.0	.7	.0	.7	.0	.2	.0	.0	.1	6.8	10.3
ESE	.0	.4	.1	2.5	.0	.4	.0	.5	.0	.2	.0	.0	.0	.0	.1	3.9	10.0
SE	.0	.7	.1	5.5	.0	.2	.0	.9	.0	.5	.0	.0	.0	.0	.2	7.9	9.5
SSE	.0	.9	.3	12.2	.1	2.3	.0	1.3	.0	.9	.0	.2	.0	.0	.4	17.7	10.8
S	.0	1.1	.1	5.7	.0	1.1	.0	1.1	.0	.4	.0	.0	.0	.0	.2	9.3	10.1
SSW	.0	.4	.1	2.9	.0	.4	.0	.2	.0	.2	.0	.2	.0	.0	.1	4.1	10.2
SW	.0	.2	.0	2.1	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.1	3.0	9.8
WSW	.0	.5	.0	.9	.0	.2	.0	.2	.0	.0	.0	.2	.0	.7	.1	2.7	16.3
W	.0	.2	.0	.9	.0	.0	.0	.4	.0	.0	.0	.4	.0	.2	.0	2.0	15.4
WNW	.0	.0	.0	.2	.0	.2	.0	.2	.0	.2	.0	.2	.0	.2	.0	1.1	22.0
NW	.0	.0	.0	.7	.0	.4	.0	.9	.0	.9	.0	2.1	.0	.5	.1	5.5	22.6
NNW	.0	.4	.0	1.8	.0	.5	.0	1.1	.0	.2	.0	.5	.0	.2	.1	4.7	15.0
CALM	.1	6.6													.1	6.6	
TOTAL	.3	13.2	1.1	50.8	.2	11.1	.2	11.4	.2	7.5	.1	4.1	.0	1.8	2.2	100	11.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1962

STATION NAME: CAR CARIBOU, ME

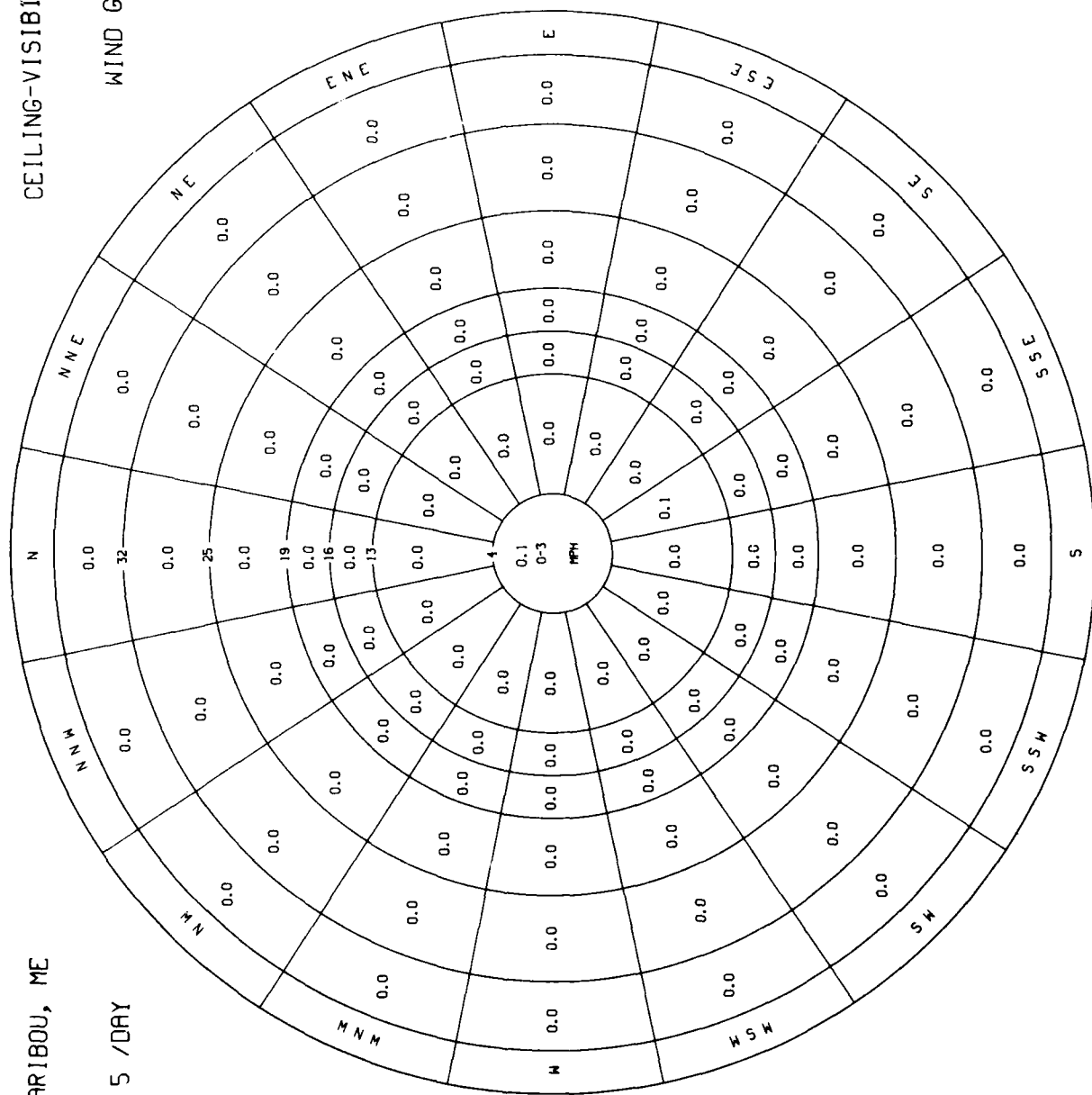
CLASS 4 / NIGHT

NO. OBS.. 522

STATION NUMBER: 14607

D I R	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	
N	.0	1.0	.1	4.4	.0	.4	.1	1.9	.0	.8	.0	.4	.0	.0	.3 8.8
NNE	.0	.2	.1	4.0	.0	1.5	.0	1.0	.0	.4	.0	.0	.0	.0	.2 7.1
NNE	.0	.6	.1	3.8	.0	1.3	.0	1.0	.0	1.0	.0	.2	.0	.0	.2 7.9
ENE	.0	.2	.1	2.5	.0	1.1	.0	1.1	.0	1.0	.0	.0	.0	.0	.2 5.9
E	.0	.6	.0	1.3	.0	.8	.0	.4	.0	.4	.0	.0	.0	.0	.1 3.4
ESE	.0	.6	.1	4.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2 5.4
SE	.0	1.0	.1	4.2	.0	1.0	.0	.4	.0	.2	.0	.0	.0	.0	.2 6.7
SSE	.0	.8	.3	11.9	.1	2.1	.1	1.9	.0	.8	.0	.4	.0	.0	.5 17.8
S	.0	.2	.2	5.4	.0	.4	.0	1.0	.0	.6	.0	.0	.0	.0	.2 7.5
SSW	.0	.4	.1	2.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 3.4
SW	.0	1.1	.0	1.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 2.9
WSW	.0	.2	.0	.6	.0	.0	.0	.0	.0	.2	.0	.4	.0	.4	.0 1.7
W	.0	.6	.0	.4	.0	.2	.0	.0	.0	.2	.0	.4	.0	.0	.0 1.7
WNW	.0	.0	.0	.8	.0	.2	.0	.2	.0	.4	.0	.6	.0	.0	.1 2.1
NW	.0	.0	.0	1.7	.0	.4	.0	1.7	.0	1.0	.0	1.0	.0	1.1	.2 6.9
NNW	.0	.0	.1	2.1	.0	.4	.0	.6	.0	1.1	.0	.6	.0	.0	.1 4.8
CALM	.2	5.9													.2 5.9
TOTAL	.4	13.2	1.5	51.7	.3	10.3	.3	11.5	.2	7.9	.1	3.8	.0	1.5	2.9 100

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

STATION NUMBER: 14607

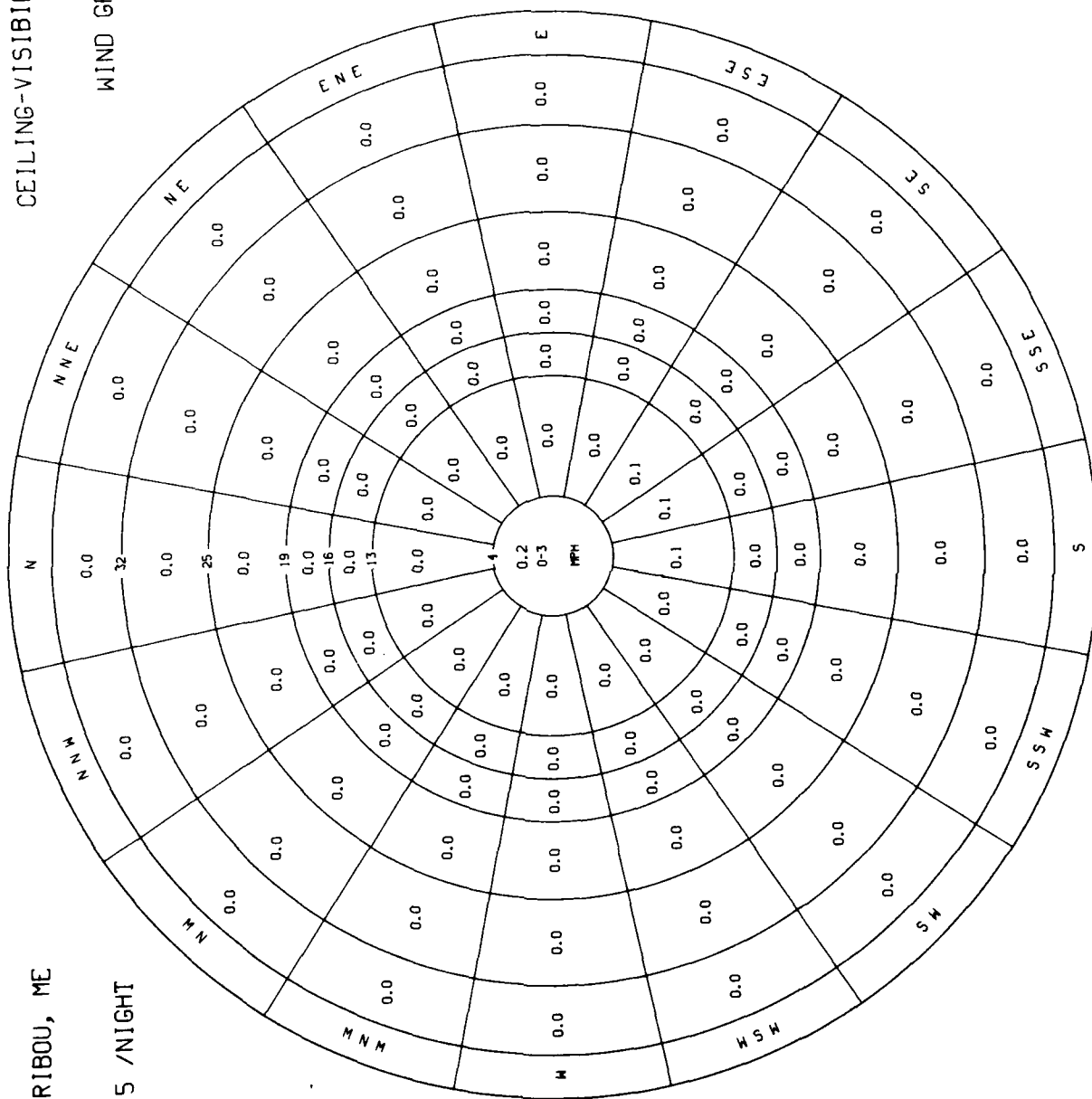
CLASS 5 / DAY

NO.	OBS. :	210
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D I R	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	.0	.0	1.9	.0	2.4	.0	.5	.0	.0	.1	6.2	17.6
NNE	.0	.0	.0	2.9	.0	1.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	5.2	10.9
NE	.0	1.0	.0	2.9	.0	.5	.0	1.4	.0	.5	.0	.5	.0	.0	.1	6.7	11.9
ENE	.0	.5	.0	1.9	.0	1.9	.0	1.0	.0	1.9	.0	.5	.0	.0	.1	7.6	15.3
E	.0	.5	.0	3.3	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	5.7	10.5
ESE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.0
SE	.0	.0	.0	3.8	.0	1.0	.0	1.0	.0	.5	.0	.0	.0	.0	.1	6.2	11.6
SSE	.0	1.0	.1	8.6	.0	2.9	.0	.5	.0	1.4	.0	.5	.0	.0	.1	14.8	11.2
S	.0	.5	.0	5.2	.0	1.0	.0	.0	.0	.5	.0	.0	.0	.0	.1	7.1	9.5
SSW	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.9	8.5
SW	.0	1.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.0
WSW	.0	1.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	2.9	10.3
W	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.5	.0	1.4	.0	2.9	26.1
WNW	.0	.0	.0	1.4	.0	1.0	.0	1.0	.0	.5	.0	.5	.0	2.4	.1	6.7	24.2
NW	.0	.0	.0	1.4	.0	.5	.0	.0	.0	.5	.0	2.9	.0	1.9	.1	7.1	25.0
NNW	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.5	.0	1.9	.0	.0	.0	4.3	21.3
CALM	.1	10.5													.1	10.5	
TOTAL	.1	16.7	.3	38.6	.1	12.4	.1	9.5	.1	9.0	.1	8.1	.0	5.7	.8	100	13.1

CEILING-VISIBILITY

WIND GRAPH



CAR CARIBOU, ME

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

CLASS 5 / NIGHT

STATION NUMBER: 14607

NO. OBS.: 173

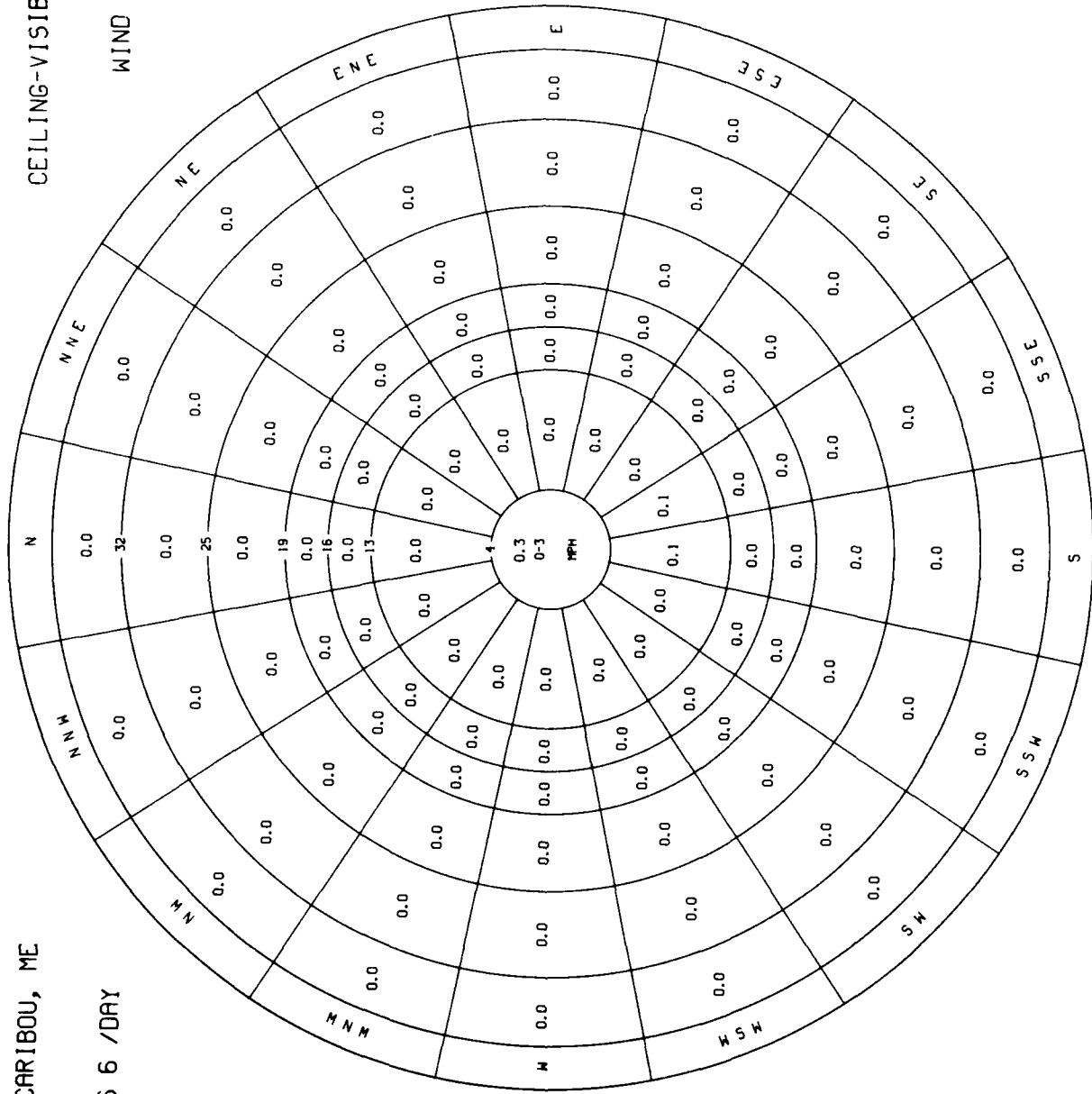
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	2.3	.0	5.2	.0	1.2	.0	.6	.0	1.2	.0	.6	.0	.0	.1	11.0	9.8
NNE	.0	.0	.0	4.0	.0	.0	.0	1.2	.0	.6	.0	.6	.0	.0	.1	6.4	13.1
NE	.0	.6	.0	2.9	.0	.6	.0	2.9	.0	.0	.0	1.2	.0	.0	.1	8.1	13.3
ENE	.0	.6	.0	1.7	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.9	10.0
E	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.2
ESE	.0	.0	.0	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	10.1
SE	.0	1.2	.1	9.8	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.1	12.1	7.9
SSE	.0	.6	.1	10.4	.0	1.2	.0	1.2	.0	1.2	.0	.0	.0	.0	.1	14.5	10.0
S	.0	.0	.1	8.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.7	9.1
SSW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.2
SW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.2
WSW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	1.7	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.3	11.2
NW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	1.2	.0	1.2	.0	3.5	28.5
NNW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.6	.0	2.9	20.4
CALM	.1	13.3													.1	13.3	
TOTAL	.2	23.1	.5	54.3	.0	5.2	.1	7.5	.0	3.5	.0	4.6	.0	1.7	.9	100	9.3

CAR CARIBOU, ME

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

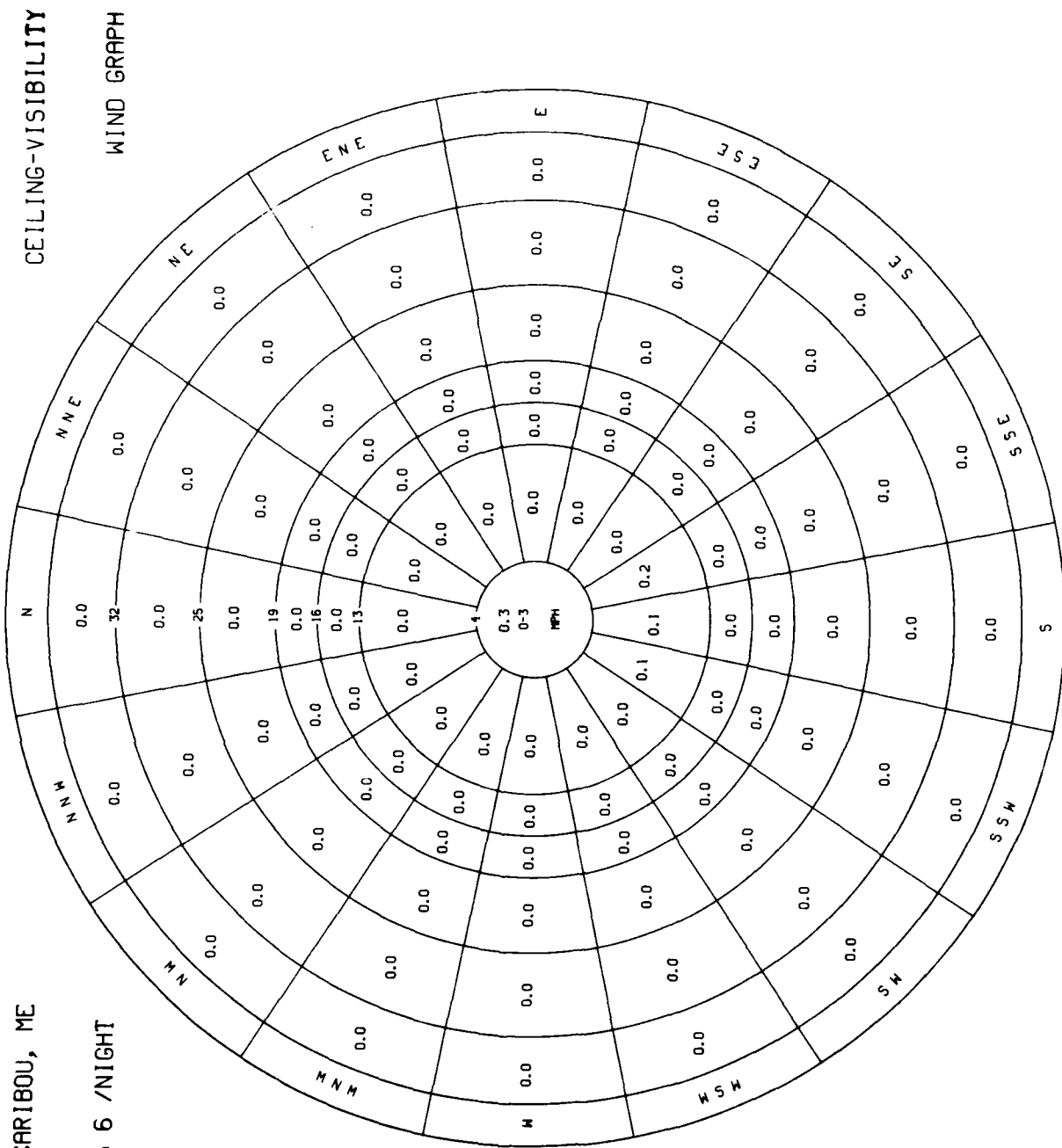
CLASS 6 / DAY

STATION NUMBER: 14607

NO. OBS.: 192

D I R	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	
N	.0	.0	.0	4.2	.0	.5	.0	.0	.0	.5	.0	2.1	.0	.0	.1 7.3
NNE	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NE	.0	1.0	.0	1.6	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 3.6
ENE	.0	1.0	.0	2.1	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 4.2
E	.0	.5	.0	3.1	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0 5.2
ESE	.0	1.6	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.6
SE	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
SSE	.0	1.6	.1	8.9	.0	4.2	.0	2.1	.0	.0	.0	.0	.0	.0	.1 16.7
S	.0	2.1	.1	8.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.5
SSW	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
SW	.0	.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
WSW	.0	.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
W	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0 2.6
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.0	.0 1.6
NW	.0	.0	.0	1.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	2.1	.0 3.6
NNW	.0	1.6	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.0 3.1
CALM	.2	20.8													.2 20.8
TOTAL	.3	33.9	.3	45.3	.1	7.3	.0	5.2	.0	1.6	.0	3.1	.0	3.6	.7 100
															8.2

CAR CARIBOU, ME
 CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAR CARIBOU, ME

PERIOD: 1948-1962

CLASS 6 / NIGHT

STATION NUMBER: 14607

NO. OBS.: 179

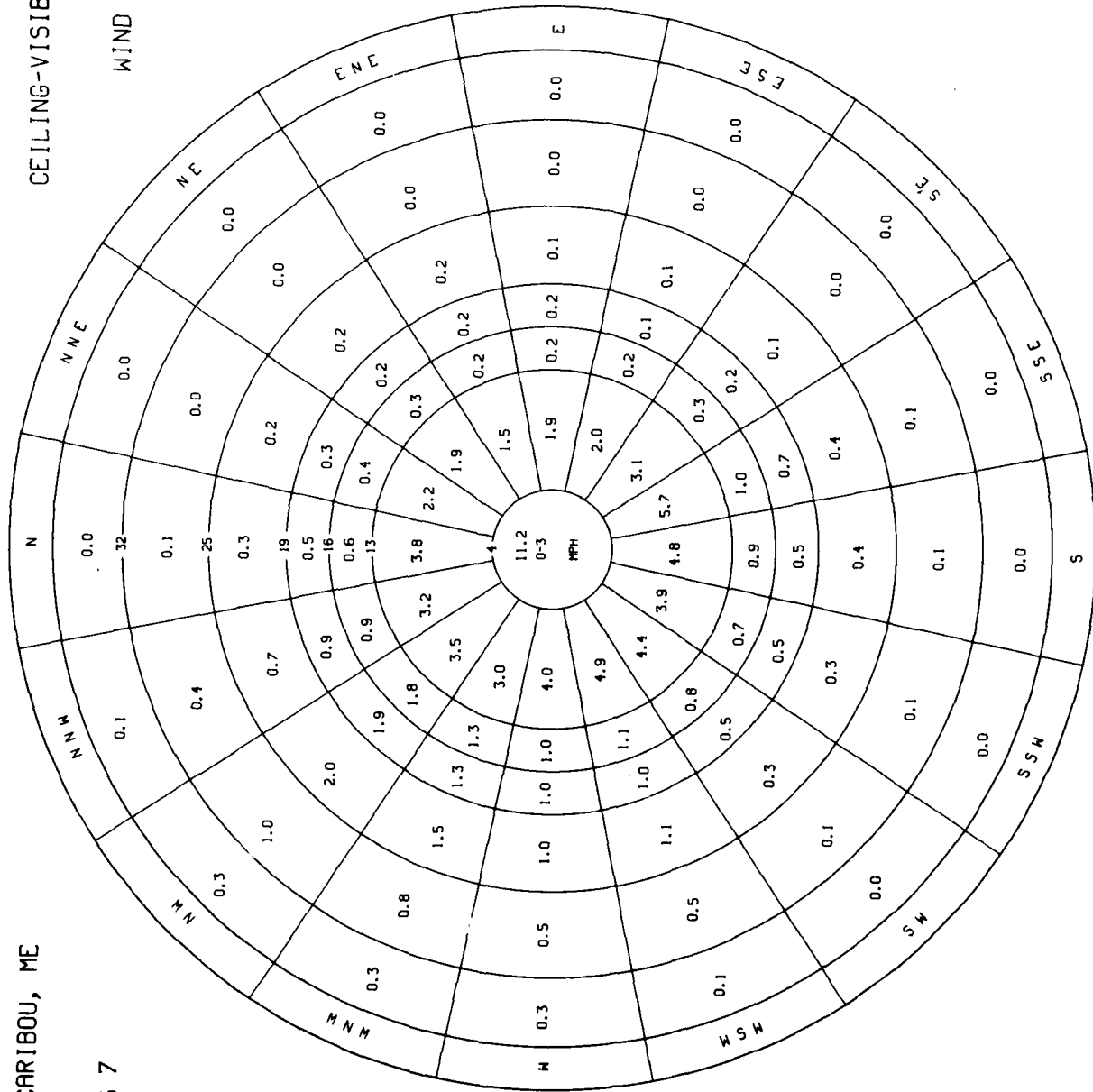
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.0	3.9	.0	.0	.0	.0	.0	.6	.0	1.1	.0	.6	.1 7.3
NNE	.0	.0	.0	2.2	.0	.0	.0	.6	.0	.0	.0	1.7	.0	.0	.0 4.5
NE	.0	1.7	.0	2.2	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0 4.5
ENE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.0
E	.0	2.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0 5.0
ESE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SE	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
SSE	.0	1.1	.2	19.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.2 21.2
S	.0	1.1	.1	6.7	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.1 8.4
SSW	.0	.0	.1	6.1	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.1 6.7
SW	.0	2.2	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.3
WSW	.0	.6	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.6
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
WNW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
NW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
NNW	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	.0	1.1	.0 2.8
CALM	.1	14.5			.0	.0	.0	.0	.0	.6	.0	.0	.0	1.1	.0 3.4
TOTAL	.3	26.8	.6	62.0	.0	.6	.0	1.1	.0	2.8	.0	3.9	.0	2.8	.1 14.5
															8.3

CAR CARIBOU, ME

CLASS 7

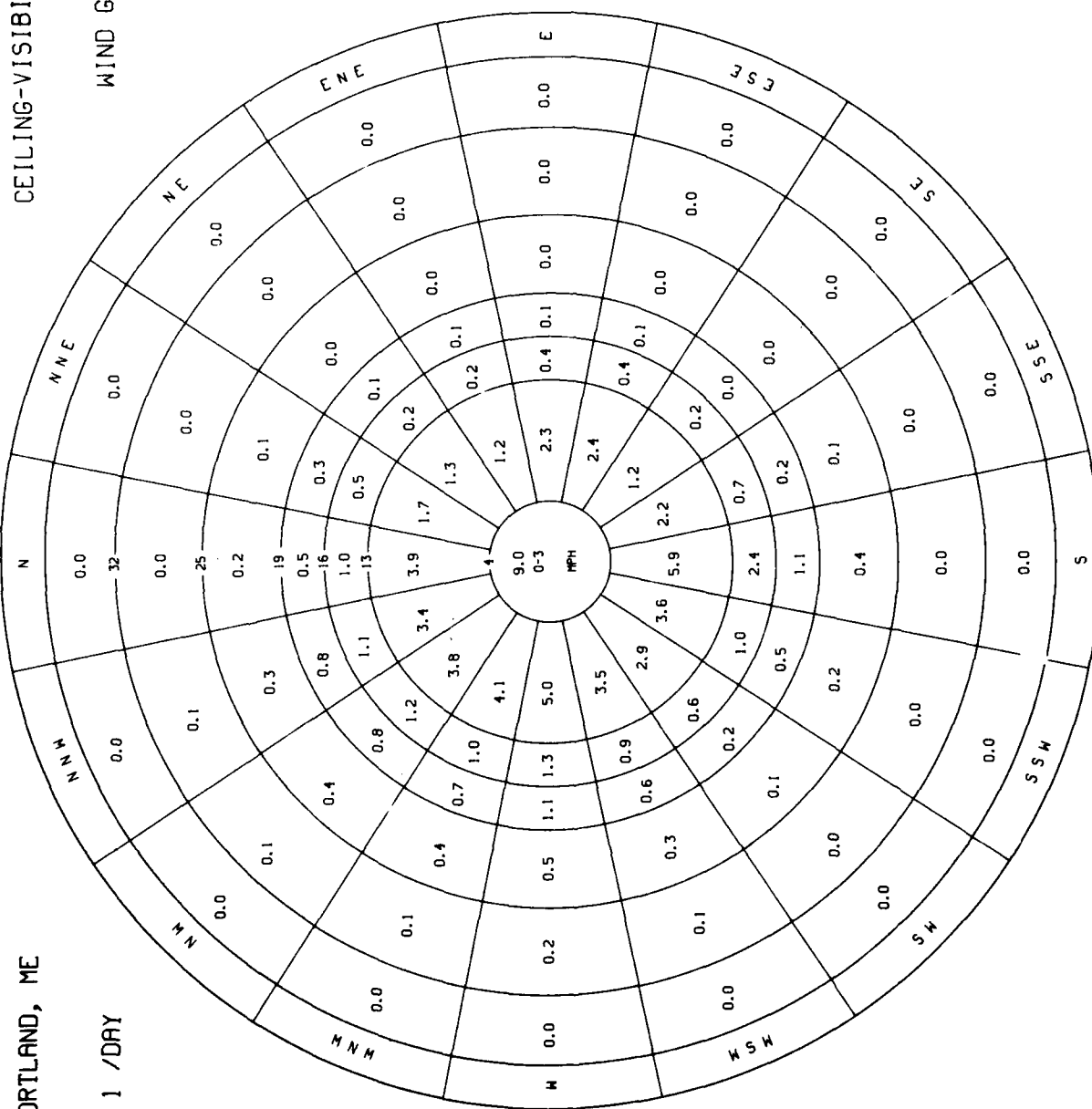
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PWM PORTLAND, ME

PERIOD: 1948-1978

CLASS 1 / DAY

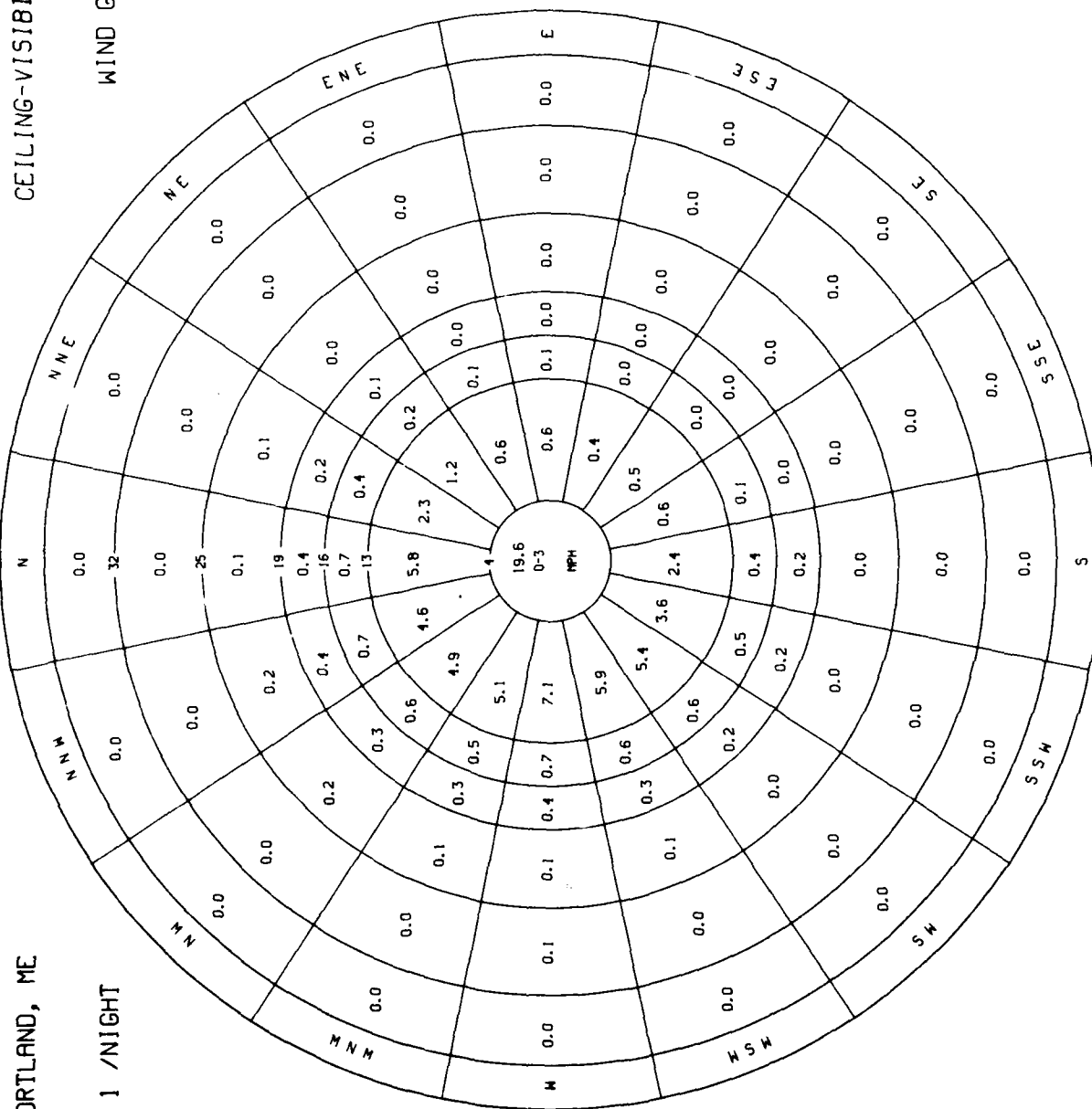
STATION NUMBER: 14764

NO. OBS.: 42398

D I R	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	.8	3.9	4.8	1.0	1.2	.5	.6	.2	.3	.0	.0	.0	.0	6.3	7.7	9.8
NNE	.2	.3	1.7	2.1	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	2.8	3.5	10.1
NE	.2	.2	1.3	1.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.2	8.9
ENE	.1	.2	1.2	1.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.0	9.3
E	.3	.3	2.3	2.8	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.1	3.8	9.2
ESE	.2	.3	2.4	2.9	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.8	8.9
SE	.2	.3	1.2	1.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0	8.1
SSE	.2	.3	2.2	2.7	.7	.9	.2	.3	.1	.1	.0	.0	.0	.0	3.4	4.2	10.2
S	.4	.5	5.9	7.2	2.4	2.9	1.1	1.3	.4	.4	.0	.0	.0	.0	10.1	12.4	11.2
SSW	.4	.4	3.6	4.5	1.0	1.2	.5	.7	.2	.2	.0	.0	.0	.0	5.7	7.0	10.3
SW	.4	.5	2.9	3.5	.6	.7	.2	.3	.1	.1	.0	.0	.0	.0	4.2	5.2	9.2
WSW	.5	.6	3.5	4.3	.9	1.2	.6	.8	.3	.4	.1	.1	.0	.0	6.0	7.3	10.4
W	.8	1.0	5.0	6.1	1.3	1.6	1.1	1.3	.5	.7	.2	.2	.0	.0	8.9	10.9	10.8
WNW	.7	.8	4.1	5.0	1.0	1.3	.7	.8	.4	.5	.1	.1	.0	.0	6.9	8.5	10.3
NW	.6	.8	3.8	4.6	1.2	1.5	.8	1.0	.4	.5	.1	.1	.0	.0	6.9	8.5	10.7
NNW	.5	.6	3.4	4.2	1.1	1.4	.8	.9	.3	.4	.1	.1	.0	.0	6.3	7.7	10.9
CALM	2.6	3.2													2.6	3.2	
TOTAL	9.0	11.1	48.4	59.3	13.1	16.1	7.3	8.9	3.1	3.7	.7	.9	.1	.1	81.6	100	9.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PWM PORTLAND, ME

CLASS 1 / NIGHT

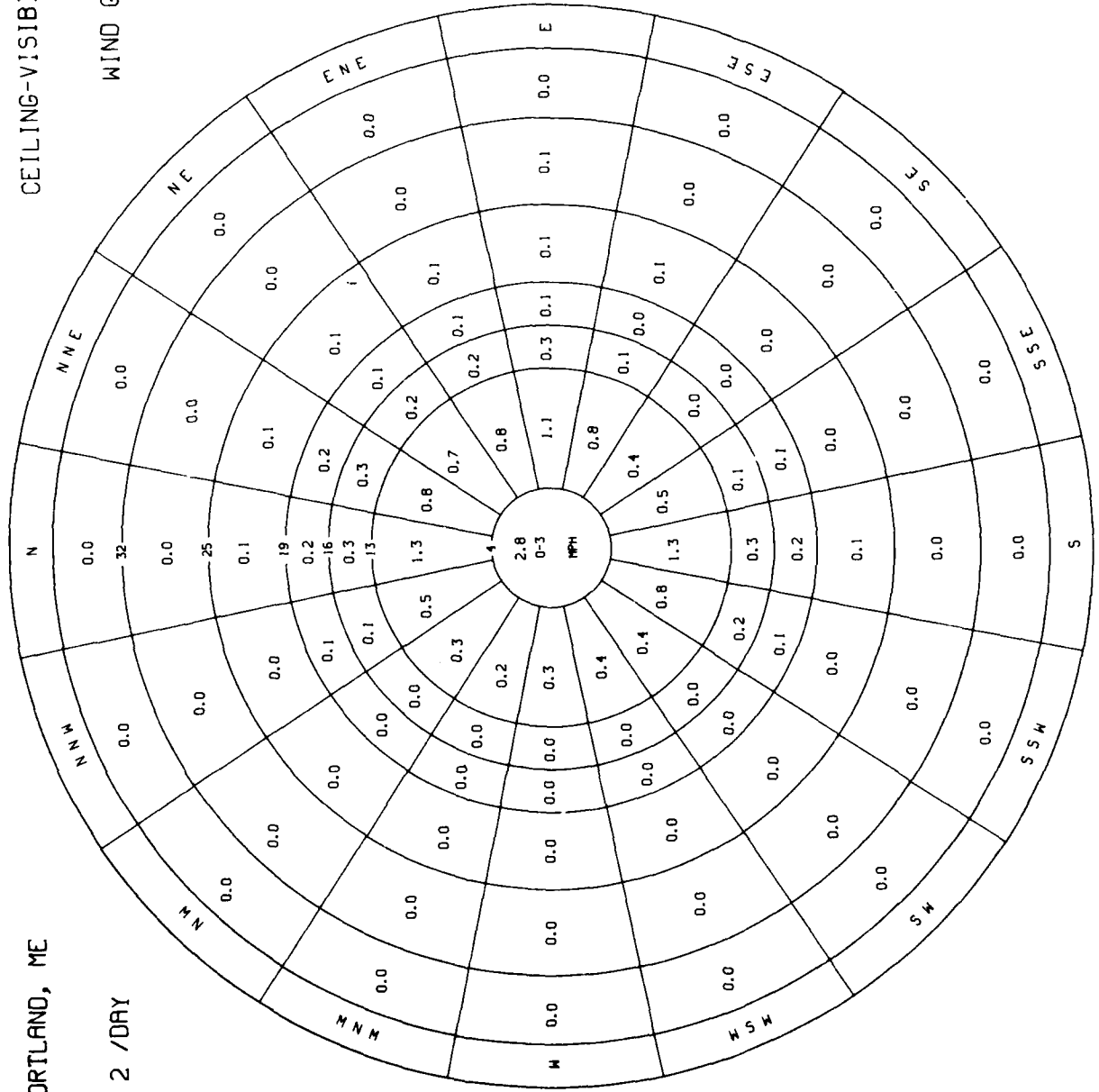
NO. OBS.: 31432

STATION NUMBER: 14764

D I R	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	1.5	5.8	7.1	.7	.9	.4	.5	.1	.1	.0	.0	.0	.0	8.3	10.2	8.0					
NNE	.5	.6	2.3	2.8	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.5	4.3	9.0					
NNE	.3	.4	1.2	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.2	8.1					
ENE	.2	.2	.6	.8	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.0	1.2	8.1					
E	.2	.2	.6	.7	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.9	1.1	8.3					
ESE	.2	.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	6.6					
SE	.3	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.0	6.2					
SSE	.3	.3	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	7.0					
S	.6	.7	2.4	3.0	.4	.5	.2	.2	.0	.1	.0	.0	.0	.0	3.6	4.5	8.2					
SSW	.6	.7	3.6	4.4	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	4.9	6.0	8.4					
SW	1.0	1.2	5.4	6.6	.6	.8	.2	.3	.0	.0	.0	.0	.0	.0	7.2	8.9	7.9					
WSW	1.2	1.4	5.9	7.3	.6	.8	.3	.3	.1	.2	.0	.0	.0	.0	8.2	10.0	7.8					
W	1.9	2.3	7.1	8.7	.7	.8	.4	.5	.1	.2	.1	.1	.0	.0	10.2	12.6	7.6					
WNW	1.3	1.6	5.1	6.3	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	7.4	9.1	7.7					
NW	1.5	1.9	4.9	6.0	.6	.8	.3	.4	.2	.2	.0	.0	.0	.0	7.6	9.3	7.8					
NNW	1.3	1.7	4.6	5.6	.7	.9	.4	.5	.2	.2	.0	.0	.0	.0	7.2	8.9	8.1					
CALM	7.1	8.7													7.1	8.7						
TOTAL	19.6	24.1	51.0	62.6	6.3	7.7	3.1	3.8	1.1	1.4	.3	.3	.0	.0	81.4	100	7.2					

CEILING-VISIBILITY

WIND GRAPH



PWM PORTLAND, ME

CLASS 2 /DAY

AD-A108 155

NATIONAL CLIMATIC CENTER ASHEVILLE NC

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(11)

JUN 81

DOT-FA79WAI-057

NL

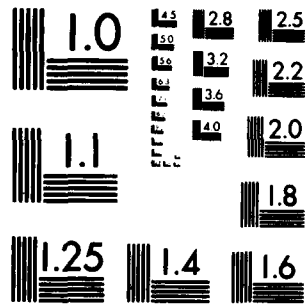
UNCLASSIFIED

3 of 3

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PWM PORTLAND, ME

PERIOD: 1948-1978

CLASS 2 / DAY

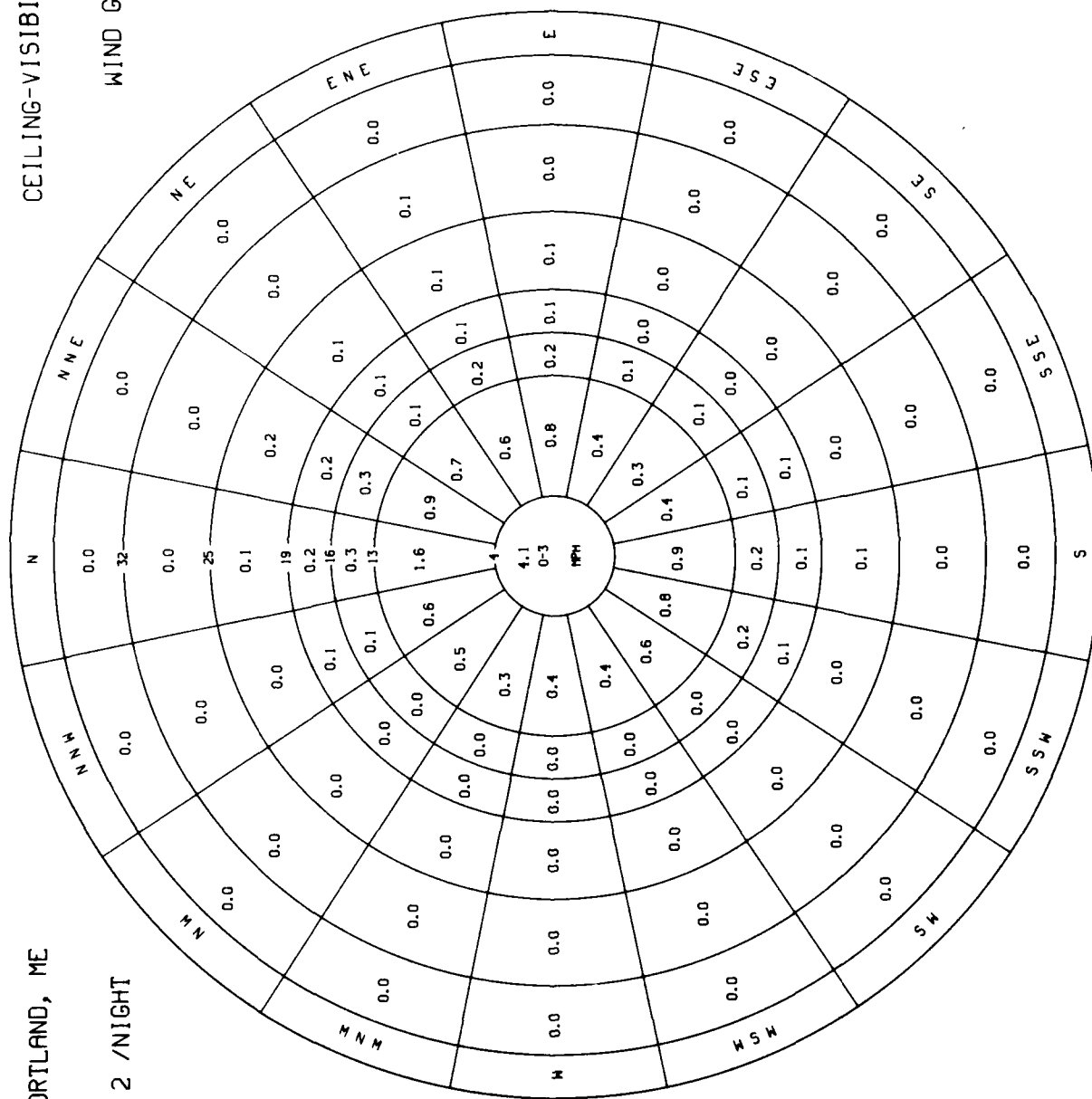
STATION NUMBER: 14764

NO. OBS.: 9544

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
															TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.2	.9	1.3	7.2	.3	1.9	.2	1.0	.1	.6	.0	.1	.0	.1	2.2	11.7	10.5		
NNE	.1	.5	.8	4.6	.3	1.6	.2	1.2	.1	.6	.0	.2	.0	.0	1.6	8.6	11.6		
NE	.1	.5	.7	4.0	.2	1.1	.1	.6	.1	.4	.0	.2	.0	.0	1.2	6.7	10.8		
ENE	.1	.4	.8	4.6	.2	1.2	.1	.7	.1	.4	.0	.2	.0	.1	1.4	7.6	11.2		
E	.1	.8	1.1	6.1	.3	1.4	.1	.8	.1	.5	.1	.4	.0	.1	1.8	10.0	10.9		
ESE	.1	.5	.8	4.3	.1	.6	.0	.3	.1	.3	.0	.0	.0	.0	1.1	6.0	9.3		
SE	.1	.6	.4	2.4	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.7	3.7	9.0		
SSE	.1	.4	.5	2.9	.1	.6	.1	.4	.0	.2	.0	.2	.0	.1	.9	4.8	10.7		
S	.1	.8	1.3	7.2	.3	1.9	.2	1.1	.1	.4	.0	.2	.0	.0	2.1	11.5	10.4		
SSW	.1	.6	.8	4.2	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	1.2	6.6	9.8		
SW	.1	.6	.4	2.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.3	7.4		
WSW	.1	.5	.4	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.8	6.9		
W	.1	.7	.3	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.4	6.3		
WNW	.1	.7	.2	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.2	6.3		
NW	.1	.7	.3	1.5	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5	2.7	7.4		
NNW	.1	.7	.5	2.5	.1	.4	.1	.4	.0	.1	.0	.0	.0	.0	.7	4.1	8.9		
CALM	1.0	5.3													1.0	5.3			
TOTAL	2.8	15.3	10.8	58.6	2.3	12.7	1.4	7.4	.7	4.0	.3	1.5	.1	.4	18.4	100	9.4		

PWM PORTLAND, ME

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PWM PORTLAND, ME

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14764

NO. OBS.: 7181

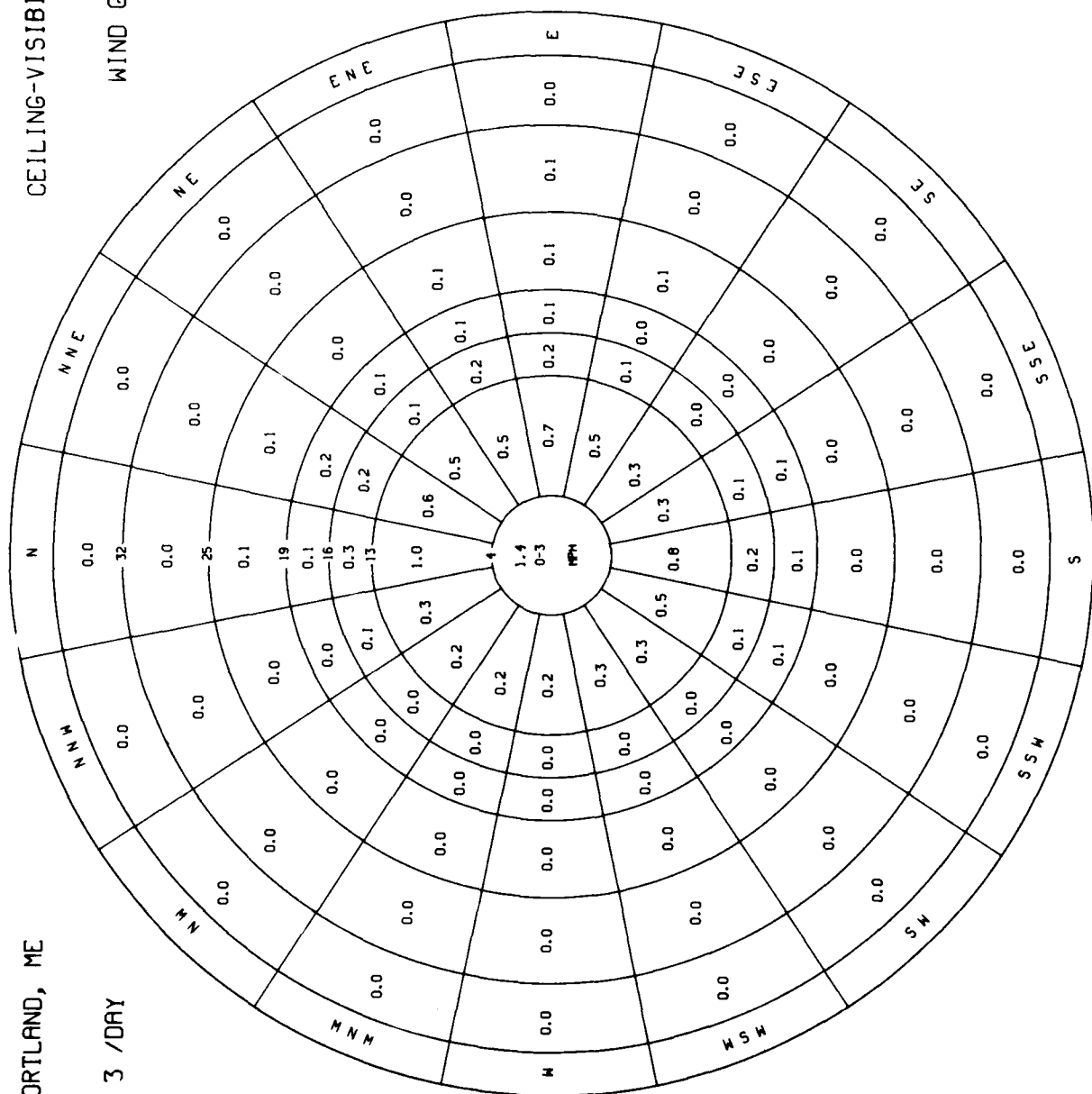
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.3	1.4	1.6	8.4	.3	1.9	.2	1.0	.1	.5	.0	.2	.0	.1	2.5	13.3
NNE	.1	.7	.9	4.9	.3	1.5	.2	1.3	.2	.9	.0	.2	.0	.0	1.8	9.6
NE	.1	.6	.7	3.6	.1	.7	.1	.4	.1	.6	.0	.1	.0	.0	1.1	6.0
ENE	.1	.6	.6	3.2	.2	.9	.1	.6	.1	.5	.1	.4	.0	.0	1.1	6.1
E	.2	.9	.8	4.1	.2	.9	.1	.4	.1	.6	.0	.2	.0	.1	1.3	7.1
ESE	.1	.6	.4	2.1	.1	.3	.0	.2	.0	.2	.0	.1	.0	.0	.7	3.5
SE	.1	.6	.3	1.7	.1	.3	.0	.2	.0	.1	.0	.1	.0	.0	.5	3.0
SSE	.1	.5	.4	2.3	.1	.3	.1	.3	.0	.2	.0	.2	.0	.1	.7	3.9
S	.2	1.1	.9	5.0	.2	1.3	.1	.7	.1	.5	.0	.1	.0	.0	1.6	8.8
SSW	.1	.6	.8	4.5	.2	.8	.1	.5	.0	.1	.0	.0	.0	.0	1.2	6.6
SW	.2	.9	.6	3.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.9	4.6
WSW	.2	.9	.4	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
W	.2	1.2	.4	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.2
WNW	.1	.8	.3	1.8	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.5	2.8
NW	.2	1.2	.5	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.8	4.1
NNW	.2	.9	.6	3.4	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	1.0	5.4
CALM	1.7	8.9													1.7	8.9
TOTAL	4.1	22.3	10.2	54.8	1.9	10.2	1.2	6.3	.8	4.4	.3	1.6	.1	.5	18.6	100
																8.6

CEILING-VISIBILITY

WIND GRAPH

PWM PORTLAND, ME

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PWM PORTLAND, ME

CLASS 3 / DAY

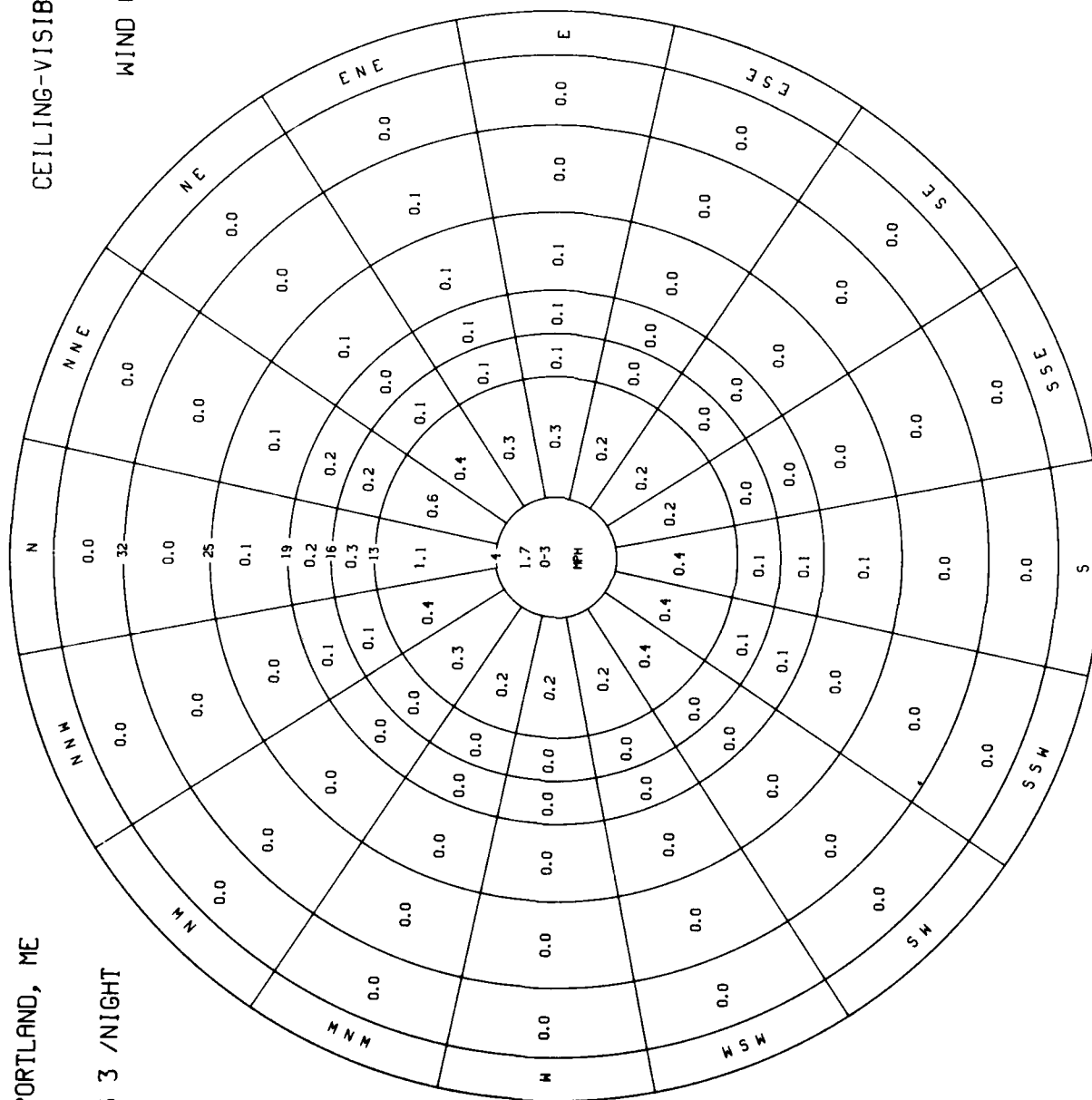
NO. OBS.: 6154

STATION NUMBER: 14764

D I R	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
N	.1	.8	1.0	8.1	.3	2.2	.1	1.3	.1	.6	.0	.0	.0	.0	1.5	13.0	10.7
NNE	.1	.5	.6	5.0	.2	2.0	.2	1.4	.1	.5	.0	.1	.0	.0	1.1	9.5	11.6
NE	.0	.3	.5	3.8	.1	1.2	.1	.7	.0	.4	.0	.2	.0	.0	.8	6.6	11.3
ENE	.0	.3	.5	4.5	.2	1.3	.1	.8	.1	.5	.0	.2	.0	.1	.9	7.7	11.8
E	.1	.5	.7	5.7	.2	1.5	.1	.9	.1	.6	.1	.5	.0	.1	1.2	9.8	11.9
ESE	.0	.4	.5	4.6	.1	.7	.0	.3	.1	.4	.0	.0	.0	.0	.8	6.5	9.9
SE	.1	.5	.3	2.3	.0	.2	.0	.3	.0	.3	.0	.1	.0	.0	.4	3.7	9.7
SSE	.0	.3	.3	2.9	.1	.7	.1	.4	.0	.2	.0	.2	.0	.1	.6	4.8	11.6
S	.1	.6	.8	6.5	.2	1.9	.1	1.1	.0	.4	.0	.2	.0	.0	1.3	10.6	10.8
SSW	.1	.4	.5	3.9	.1	1.0	.1	.5	.0	.2	.0	.1	.0	.0	.7	6.1	10.2
SW	.1	.4	.3	2.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.2	8.0
WSW	.0	.4	.3	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9	7.4
W	.1	.6	.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	6.7
WNW	.1	.6	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1	6.7
NW	.1	.8	.2	1.7	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4	3.1	7.5
NNW	.1	.6	.3	2.4	.1	.4	.0	.4	.0	.2	.0	.0	.0	.0	.5	4.1	9.2
CALM	.5	4.0													.5	4.0	
TOTAL	1.4	12.0	7.0	58.9	1.7	14.1	1.0	8.5	.5	4.3	.2	1.6	.1	.5	11.8	100	10.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PWM PORTLAND, ME

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14764

NO. OBS.: 4087

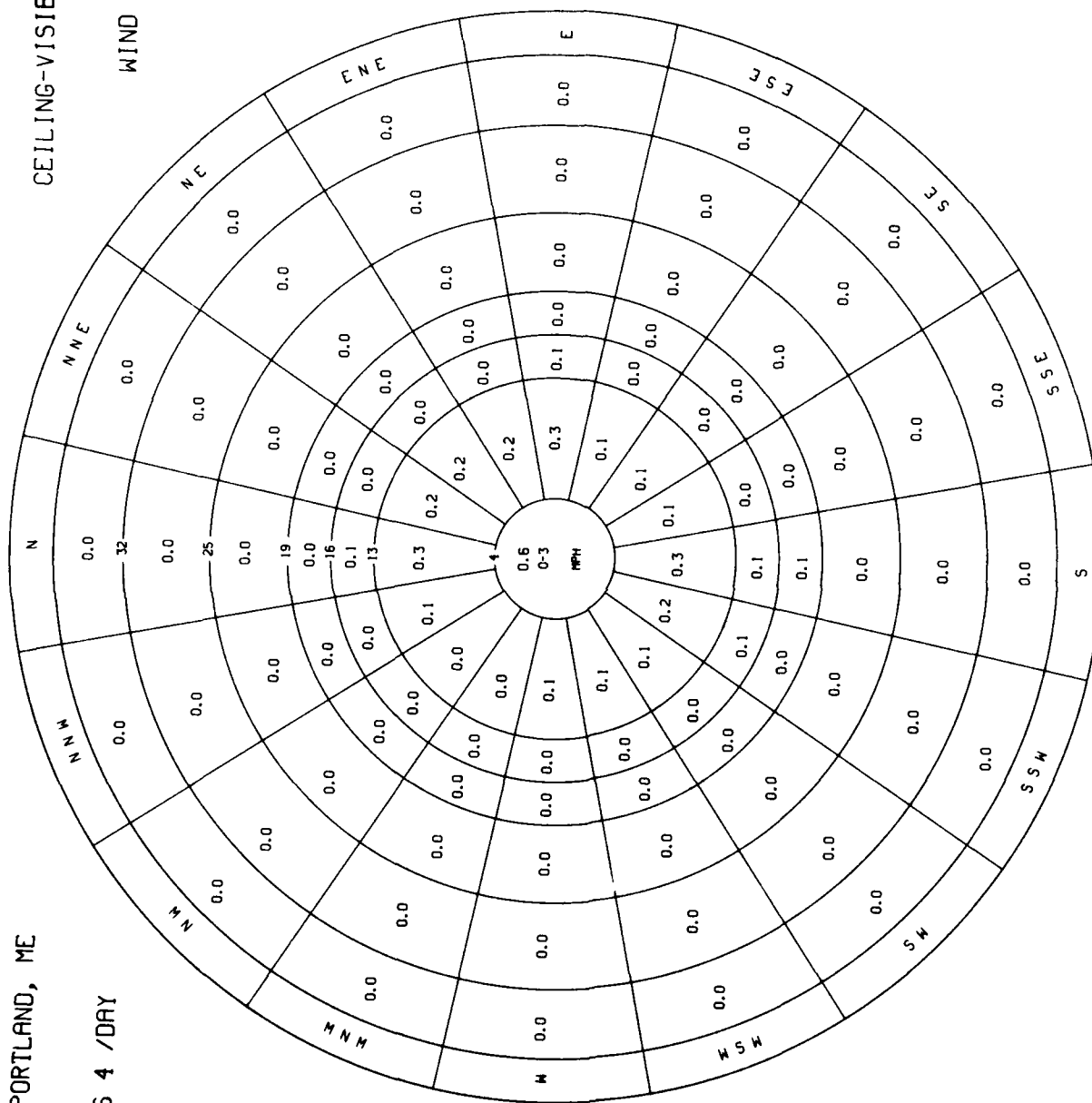
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.2	1.1	10.4	.3	2.5	.2	1.4	.1	.6	.0	.1	.0	.1	1.7 16.3
NNE	.1	.6	.6	5.0	.2	2.0	.2	1.6	.1	1.1	.0	.3	.0	.0	1.2 11.7
NNE	.1	.5	.4	4.1	.1	.8	.0	.5	.1	.7	.0	.1	.0	.0	.7 6.6
ENE	.1	.5	.3	2.9	.1	1.1	.1	.7	.1	.6	.1	.5	.0	.0	.7 6.4
E	.1	.5	.3	2.9	.1	1.1	.1	.6	.1	.8	.0	.2	.0	.2	.7 6.3
ESE	.0	.4	.2	1.9	.0	.4	.0	.2	.0	.3	.0	.1	.0	.0	.4 3.4
SE	.0	.4	.2	1.8	.0	.4	.0	.3	.0	.2	.0	.1	.0	.0	.3 3.3
SSE	.0	.2	.2	2.0	.0	.3	.0	.4	.0	.2	.0	.2	.0	.2	.4 3.7
S	.1	.6	.4	3.5	.1	1.2	.1	.7	.1	.6	.0	.1	.0	.0	.7 6.6
SSW	.1	.5	.4	4.1	.1	.8	.1	.7	.0	.2	.0	.0	.0	.0	.7 6.3
SW	.1	.6	.4	3.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5 4.3
WSW	.1	.7	.2	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.8
W	.1	1.0	.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.8
WNW	.1	.7	.2	1.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.7
NW	.1	1.0	.3	2.8	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.5 4.4
NNW	.1	.9	.4	4.1	.1	.8	.1	.7	.0	.2	.0	.0	.0	.0	.7 6.7
CALM	.6	6.0													.6 6.0
TOTAL	1.7	16.3	5.8	54.8	1.3	12.2	.9	8.2	.6	5.7	.2	2.1	.1	.7	10.6 100 9.8

PWM PORTLAND, ME

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PWM PORTLAND, ME

CLASS 4 / DAY

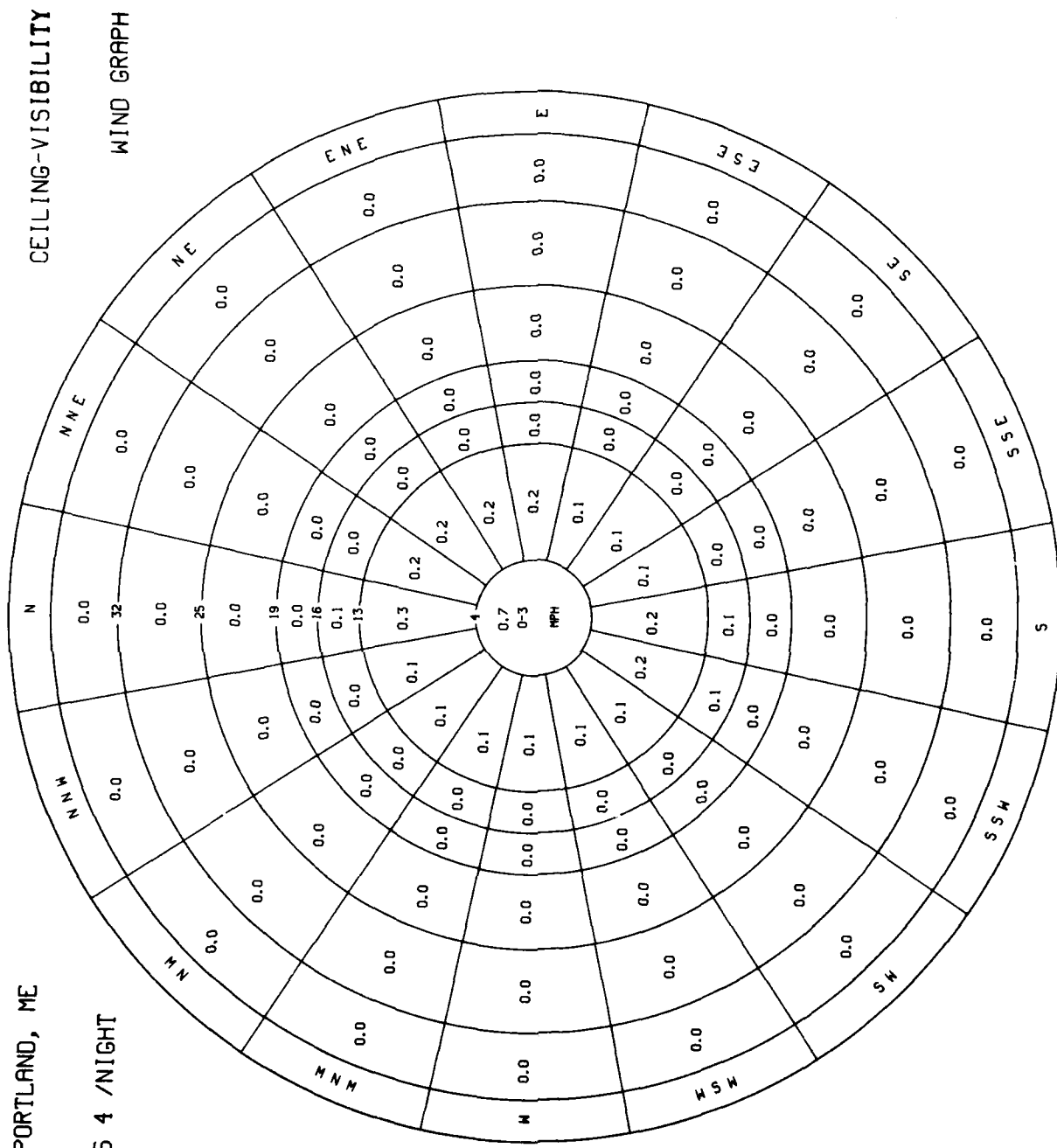
NO. OBS.: 2080

STATION NUMBER: 14764

D I R	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
N	.0	1.1	.3	6.6	.1	1.6	.0	.7	.0	.6	.0	.0	.0	.0	.4	10.7	9.9
NNE	.0	.6	.2	4.5	.0	1.1	.0	.6	.0	.7	.0	.4	.0	.0	.3	7.9	11.3
NE	.0	.4	.2	4.9	.0	1.2	.0	.5	.0	.3	.0	.1	.0	.0	.3	7.4	10.2
ENE	.0	.6	.2	4.8	.0	1.1	.0	.6	.0	.2	.0	.3	.0	.1	.3	7.7	10.8
E	.0	1.1	.3	6.6	.1	1.5	.0	.7	.0	.4	.0	.2	.0	.1	.4	10.7	9.9
ESE	.0	.6	.1	3.5	.0	.5	.0	.1	.0	.2	.0	.0	.0	.0	.2	4.8	8.6
SE	.0	.3	.1	2.4	.0	.5	.0	.1	.0	.1	.0	.1	.0	.0	.1	3.6	9.2
SSE	.0	.6	.1	3.0	.0	.6	.0	.3	.0	.1	.0	.1	.0	.0	.2	4.8	9.2
S	.0	.8	.3	8.7	.1	2.3	.1	1.3	.0	.7	.0	.2	.0	.0	.6	14.0	10.5
SSW	.0	.7	.2	4.4	.1	1.3	.0	.5	.0	.2	.0	.0	.0	.0	.3	7.1	9.8
SW	.0	.6	.1	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.0	7.0
WSW	.0	.4	.1	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	6.9
W	.0	.7	.1	1.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.5	6.4
WNW	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.2	5.8
NW	.0	.4	.0	1.2	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	2.1	7.9
NNW	.0	.5	.1	2.7	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.2	4.4	9.3
CALM	.2	4.9													.2	4.9	
TOTAL	.6	15.2	2.4	60.2	.5	12.6	.3	6.4	.2	3.7	.1	1.5	.0	.2	4.0	100	9.2

PWM PORTLAND, ME

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PWM PORTLAND, ME

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14764

NO. OBS.: 1499

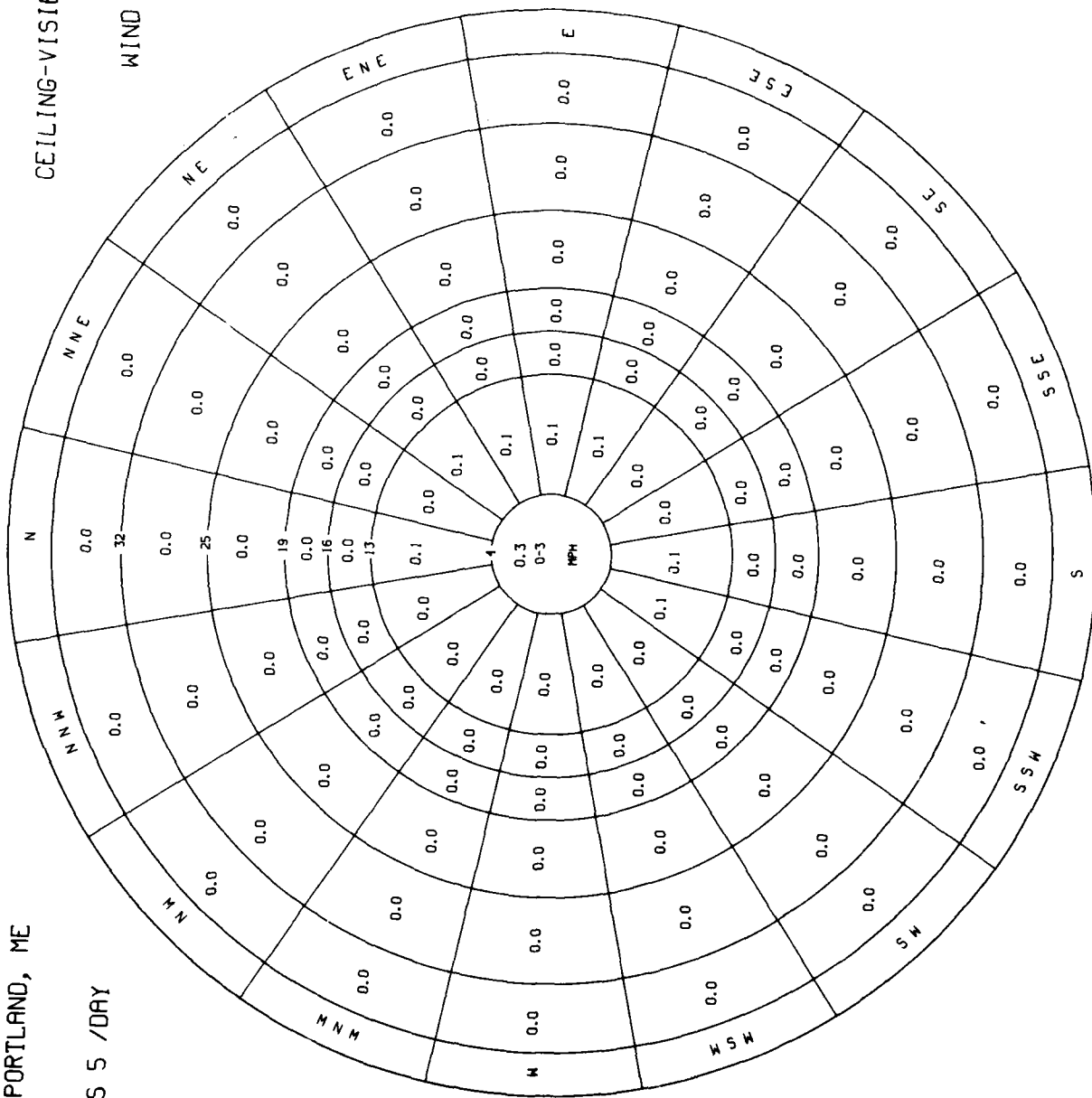
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	1.0	.3	7.1	.1	1.9	.0	.7	.0	.3	.0	.2	.0	.0	.4	11.2	
NNE	.0	.5	.2	5.2	.0	1.2	.0	1.2	.0	.5	.0	.1	.0	.1	.3	8.8	
NNE	.0	.8	.2	3.9	.0	1.0	.0	.4	.0	.6	.0	.1	.0	.0	.3	6.7	
ENE	.0	.5	.2	4.1	.0	1.2	.0	.7	.0	.4	.0	.3	.0	.0	.3	7.1	
E	.0	.9	.2	5.7	.0	1.0	.0	.3	.0	.5	.0	.1	.0	.0	.3	8.6	
ESE	.0	.3	.1	2.3	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.1	3.1	
SE	.0	.6	.1	1.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.1	.1	2.7	
SSE	.0	.7	.1	2.7	.0	.5	.0	.5	.0	.4	.0	.3	.0	.1	.2	5.1	
S	.0	1.0	.2	6.2	.1	2.1	.0	1.2	.0	.7	.0	.3	.0	.0	.4	11.5	
SSW	.0	.5	.2	5.5	.1	1.3	.0	.4	.0	.1	.0	.0	.0	.0	.3	7.8	
SW	.0	.7	.1	3.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	4.3	
WSW	.0	.7	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	
W	.0	.7	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	
WNW	.0	.3	.1	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	
NW	.0	.9	.1	2.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	3.1	
NNW	.0	.6	.1	3.5	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.2	4.9	
CALM	.3	7.5															
TOTAL	.7	18.3	2.3	58.8	.5	11.7	.2	5.9	.2	3.9	.1	1.3	.0	.2	3.9	100	
																8.7	

PWM PORTLAND, ME

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PWM PORTLAND, ME

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 14764

NO. OBS.: 699

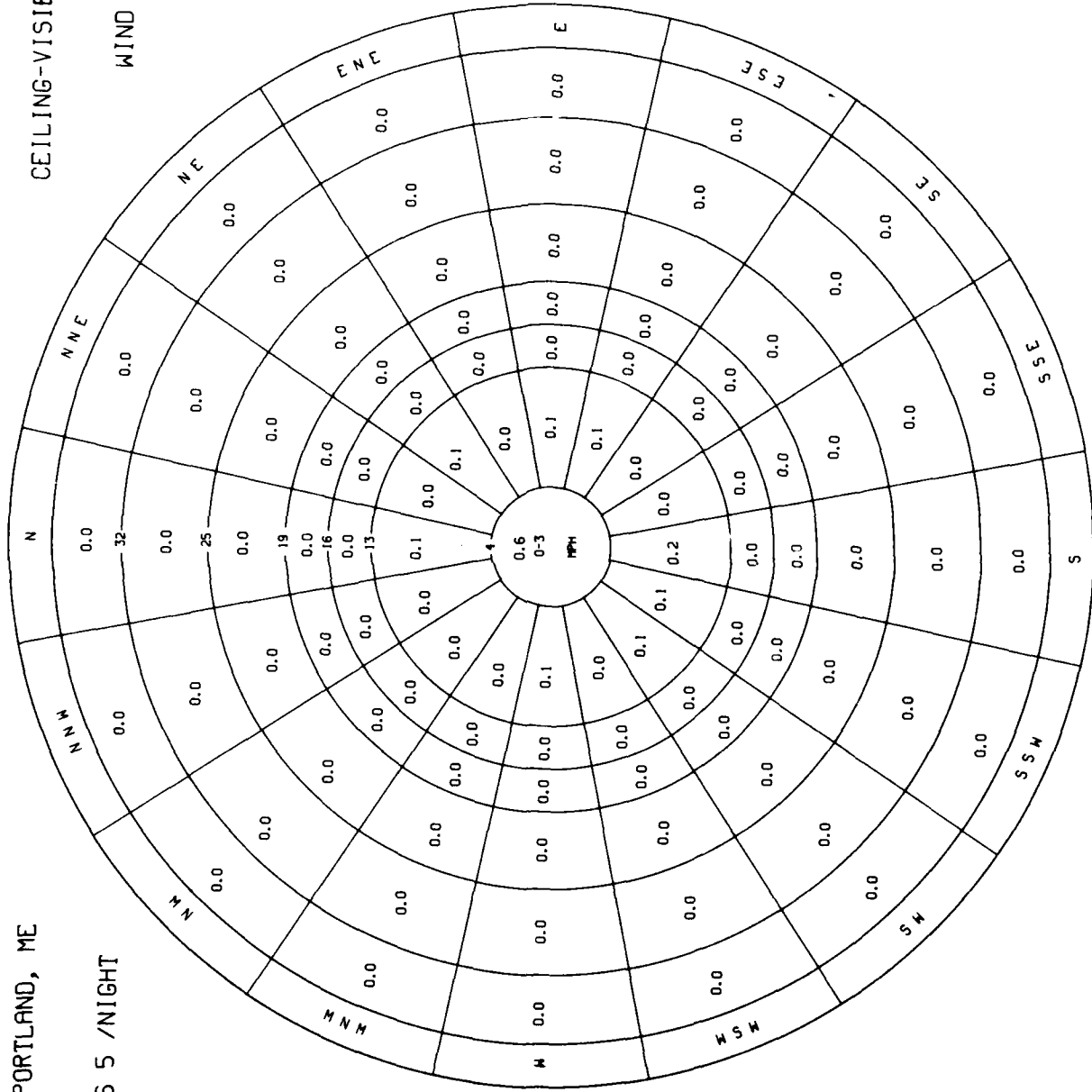
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.3	.1	3.7	.0	1.1	.0	.9	.0	.6	.0	.6	.0	.1	.1	8.3	11.0
NNE	.0	.4	.0	3.4	.0	1.0	.0	1.3	.0	.9	.0	.3	.0	.0	.1	7.3	12.9
NE	.0	.9	.1	4.1	.0	.7	.0	.9	.0	.6	.0	.1	.0	.0	.1	7.3	10.4
ENE	.0	.7	.1	5.0	.0	.7	.0	.7	.0	.1	.0	.3	.0	.0	.1	7.6	9.6
E	.0	.9	.1	6.7	.0	.3	.0	.4	.0	.3	.0	.3	.0	.0	.1	8.9	8.5
ESE	.0	.7	.1	5.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	6.2	7.0
SE	.0	1.1	.0	2.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	3.9	6.7
SSE	.0	.6	.0	2.7	.0	.4	.0	.3	.0	.1	.0	.0	.0	.1	.1	4.3	9.6
S	.0	.6	.1	9.4	.0	2.3	.0	.6	.0	.3	.0	.0	.0	.0	.2	13.2	9.8
SSW	.0	1.0	.1	6.6	.0	1.3	.0	.4	.0	.1	.0	.0	.0	.0	.1	9.4	8.8
SW	.0	1.1	.0	2.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.1
WSW	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	5.0
W	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.7
WNW	.0	.9	.0	1.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.7	6.8
NW	.0	.7	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.6	6.0
NNW	.0	.9	.0	3.0	.0	.0	.0	.3	.0	.1	.0	.1	.0	.0	.1	4.4	7.5
CALM	.1	6.9													.1	6.9	
TOTAL	.3	20.2	.8	59.8	.1	8.4	.1	6.2	.0	3.3	.0	1.7	.0	.4	1.3	100	8.4

PWM PORTLAND, ME

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PWM PORTLAND, ME

CLASS 5 / NIGHT

NO. OBS.: 733

STATION NUMBER: 14764

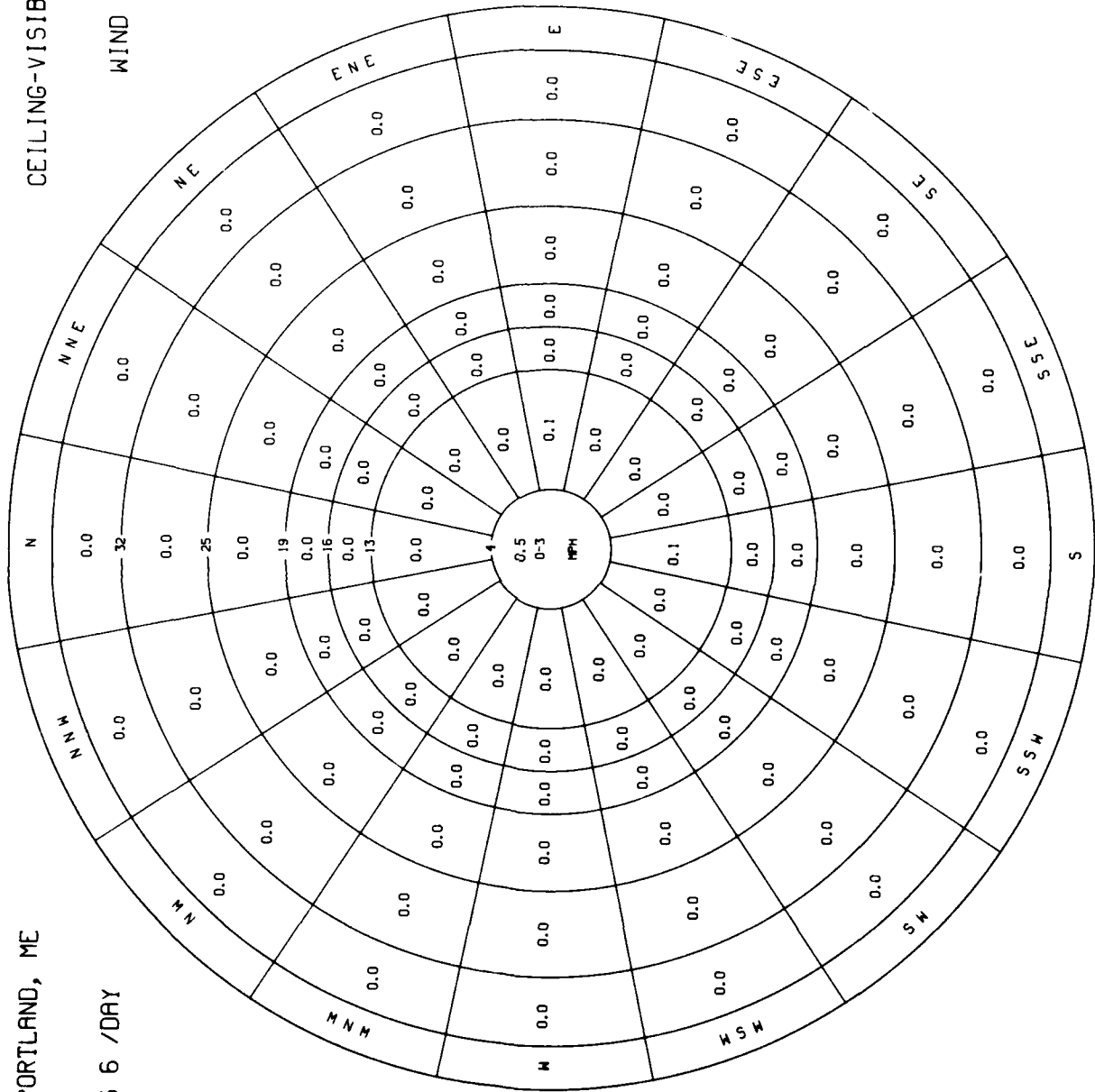
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.0	1.6	.1	6.3	.0	.7	.0	.0	.0	.4	.0	.5	.0	.0	.2	9.5	8.5
NNE	.0	1.1	.0	2.5	.0	.8	.0	1.0	.0	1.0	.0	.0	.0	.0	.1	6.3	10.9
NE	.0	.3	.1	2.9	.0	.5	.0	.3	.0	.4	.0	.1	.0	.0	.1	4.5	10.4
ENE	.0	.5	.0	2.6	.0	.4	.0	.3	.0	.4	.0	.0	.0	.0	.1	4.2	9.3
E	.0	1.5	.1	5.9	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.2	8.3	7.8
ESE	.0	1.2	.1	2.7	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.1	4.4	6.9
SE	.0	.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.7
SSE	.0	.8	.0	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	6.9
S	.0	2.2	.2	8.2	.0	1.6	.0	.5	.0	.3	.0	.0	.0	.0	.2	12.8	8.6
SSW	.0	.5	.1	4.6	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.1	6.1	8.1
SW	.0	1.6	.1	4.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	5.9
WSW	.0	1.6	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.1	5.4
W	.0	1.9	.1	3.5	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	5.7	5.4
WNW	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	6.3
NW	.0	1.2	.0	2.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.5	5.4
NNW	.0	1.2	.0	1.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.9	6.4
CALM	.2	12.3													.2	12.3	
TOTAL	.6	31.5	1.1	55.8	.1	6.1	.0	2.5	.1	3.1	.0	.8	.0	.1	1.9	100	6.7

PWM PORTLAND, ME

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PWM PORTLAND, ME

PERIOD: 1948-1978

CLASS 6 / DAY

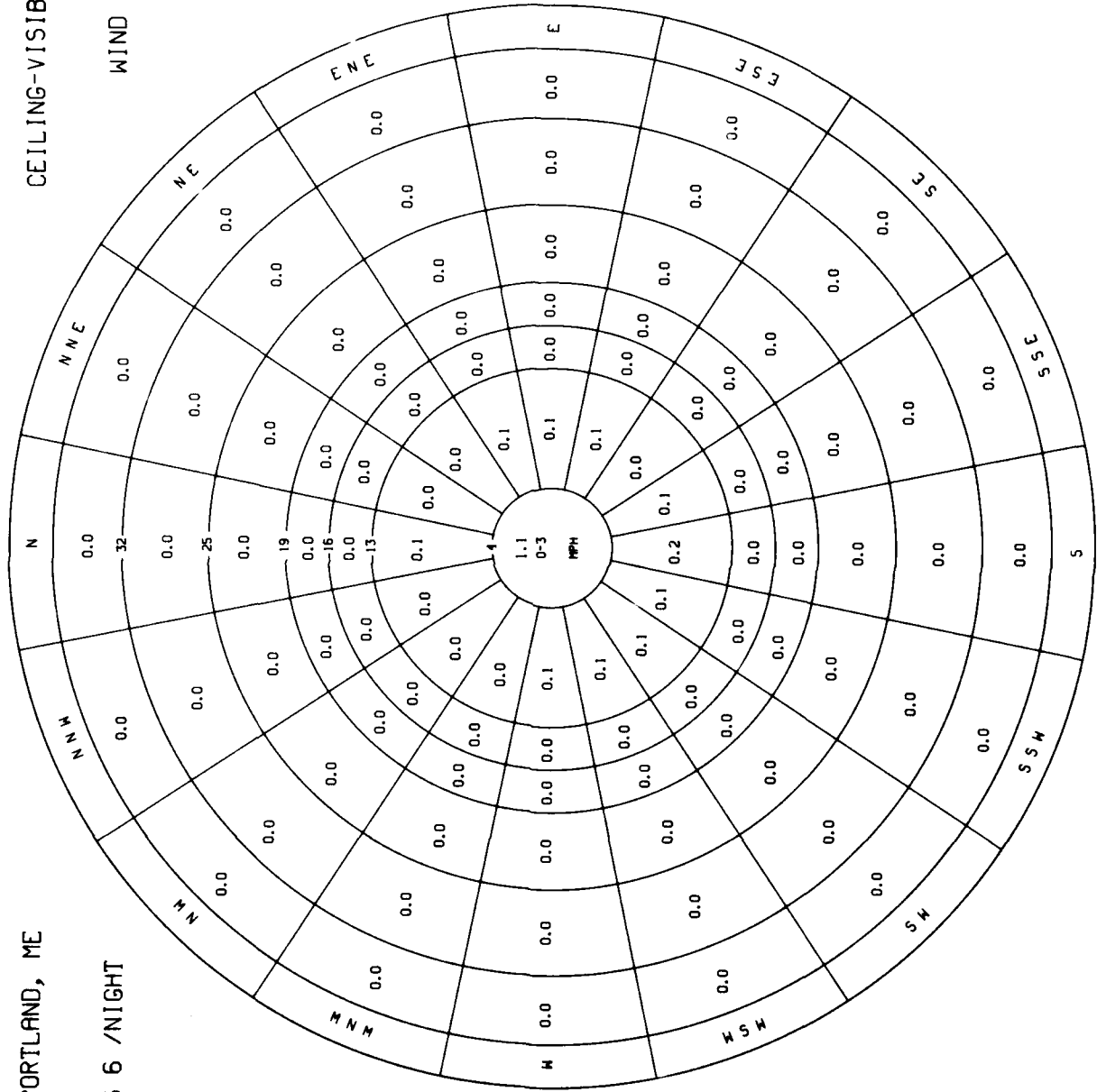
STATION NUMBER: 14764

NO. OBS.: 611

D I R	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	3.6	.0	.5	.0	.2	.0	.2	.0	.2	.0	.3	.1	6.7	9.0
NNE	.0	.5	.0	1.5	.0	.2	.0	.5	.0	.7	.0	.0	.0	.0	.0	3.3	11.5
NE	.0	1.5	.0	2.8	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.1	4.6	6.9
ENE	.0	1.1	.0	4.1	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	5.9	7.0
E	.0	2.5	.1	8.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.9	7.4
ESE	.0	1.6	.0	3.3	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1	5.2	6.2
SE	.0	1.6	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	4.9
SSE	.0	1.5	.0	2.9	.0	.3	.0	.2	.0	.3	.0	.0	.0	.0	.1	5.2	7.6
S	.0	2.3	.1	6.9	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.1	10.0	7.5
SSW	.0	1.6	.0	4.1	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.1	6.5	7.2
SW	.0	1.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	5.0
WSW	.0	1.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.7
W	.0	2.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.2
WNW	.0	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.7
NW	.0	.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.1
NNW	.0	1.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.6
CALM	.2	17.8													.2	17.8	
TOTAL	.5	43.5	.6	48.9	.0	3.8	.0	1.5	.0	1.6	.0	.3	.0	.3	1.2	100	5.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PWM PORTLAND, ME

CLASS 6 / NIGHT

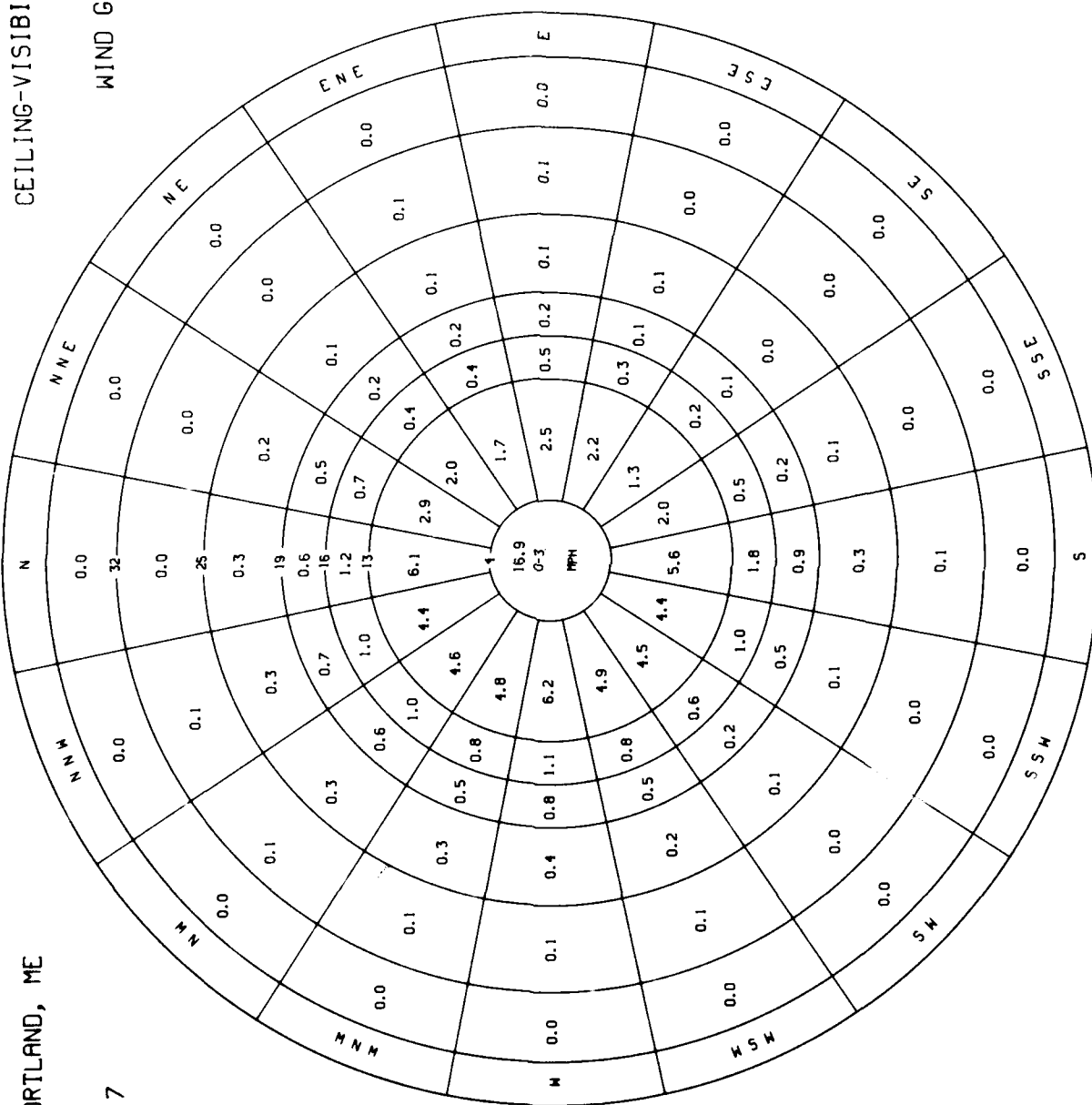
NO. OBS.: 862

STATION NUMBER: 14764

D I R	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	2.6	.1	2.8	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.1	5.7	6.0
NNE	.0	1.5	.0	1.6	.0	.3	.0	.1	.0	.1	.0	.1	.0	.1	.1	3.9	7.6
NE	.0	1.0	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	5.9
ENE	.0	1.4	.1	3.6	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	5.1	6.3
E	.0	2.1	.1	5.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2	7.5	5.8
ESE	.0	1.7	.1	2.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	5.4
SE	.0	1.4	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	5.4
SSE	.0	.7	.1	2.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	6.6
S	.1	3.1	.2	7.1	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.2	11.0	6.7
SSW	.0	1.3	.1	4.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	6.3	6.9
SW	.0	1.9	.1	3.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	5.3	5.6
WSW	.0	1.6	.1	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	4.9
W	.0	2.2	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	4.2
WNW	.0	1.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	4.2
NW	.1	2.6	.0	1.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.5	4.3
NNW	.0	.9	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	5.3
CALM	.5	22.3													.5	22.3	
TOTAL	1.1	49.5	1.0	47.0	.0	1.7	.0	.9	.0	.2	.0	.3	.0	.2	2.2	100	4.5

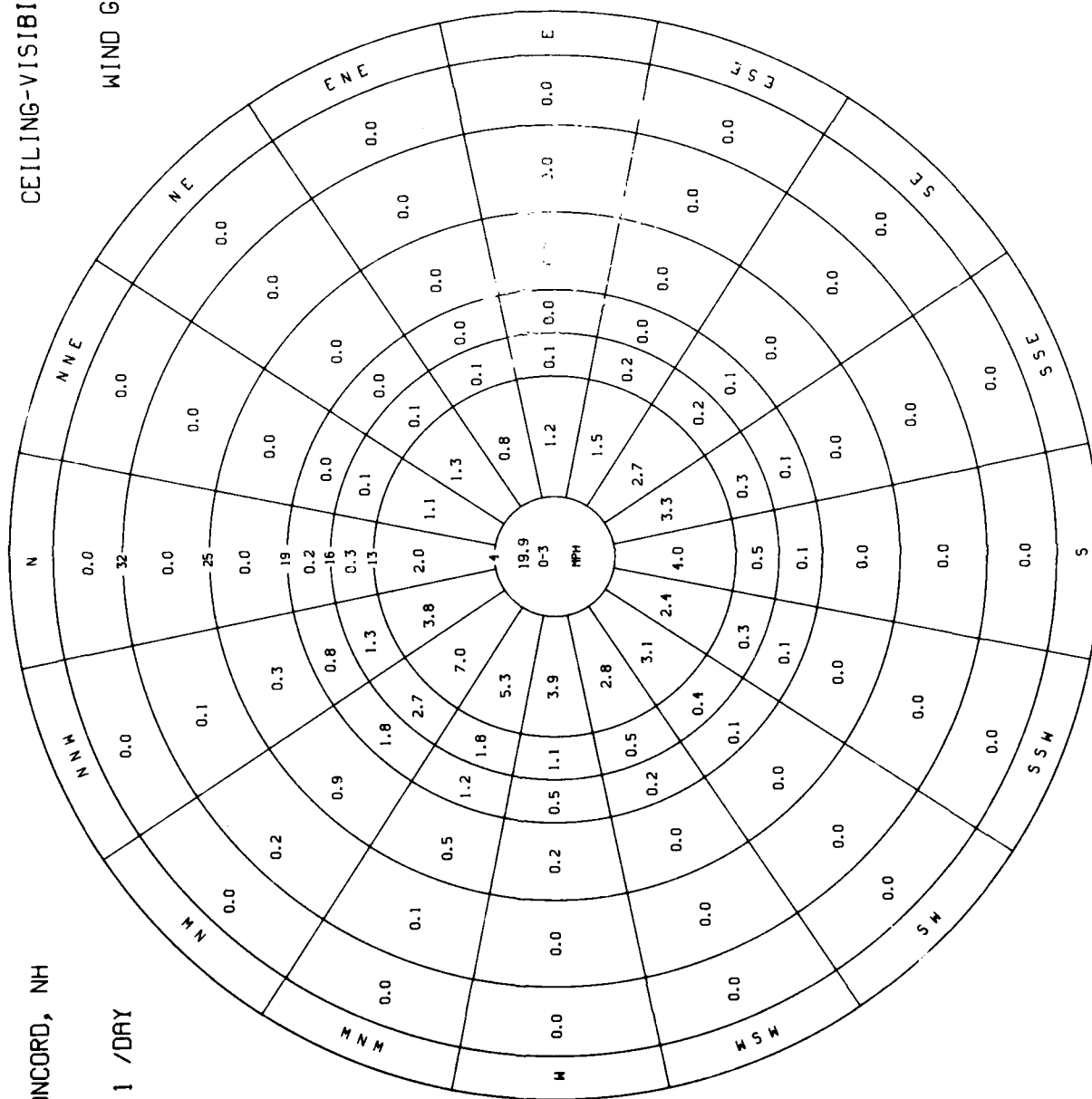
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

CLASS 1 / DAY

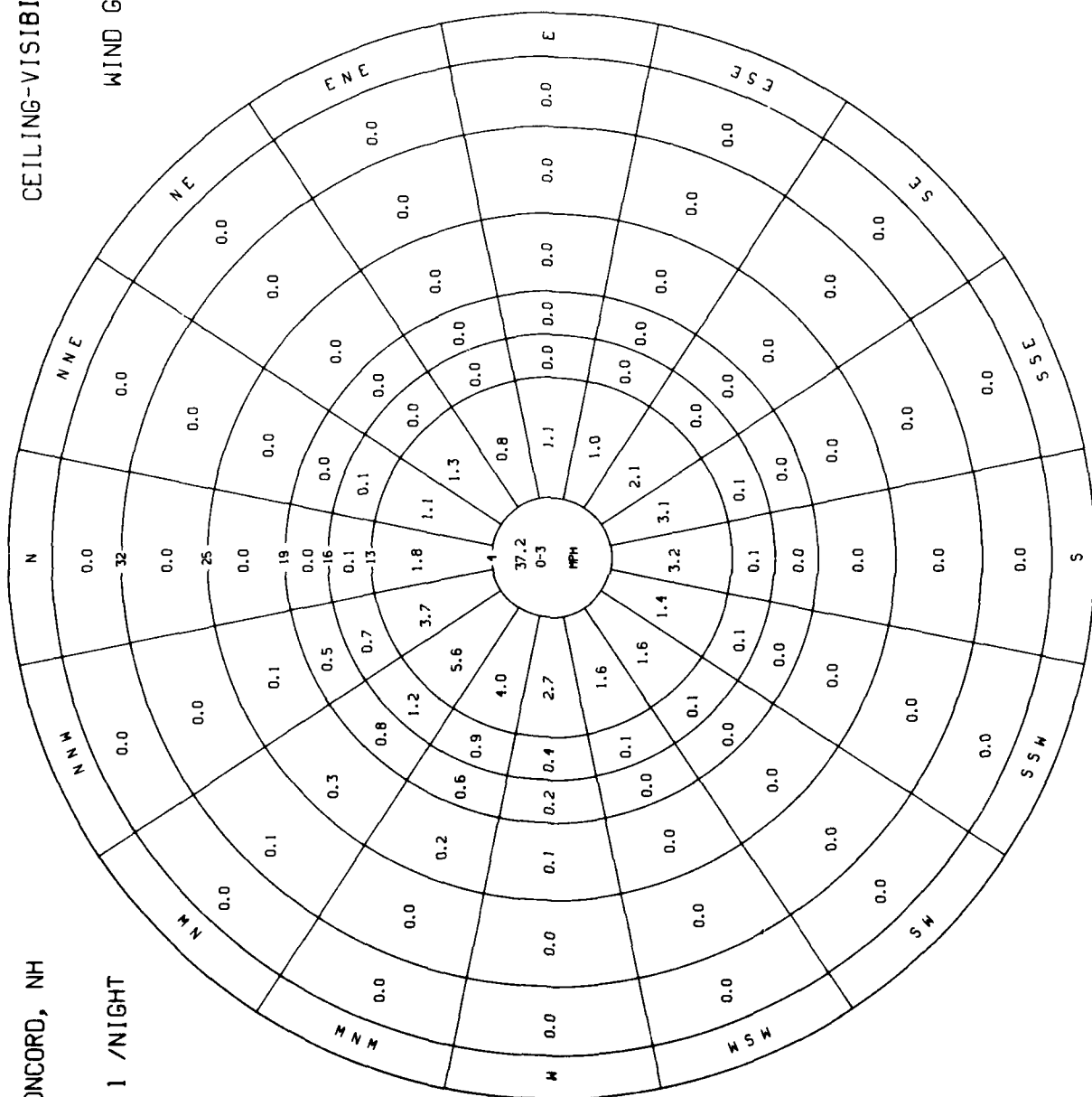
STATION NUMBER: 14745

NO. OBS.: 43864

D I R	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	
N	.7	.8	2.0	2.3	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	3.1 3.7
NNE	.4	.5	1.1	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7 2.0
NE	.6	.7	1.3	1.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.4
ENE	.4	.5	.8	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.6
E	.5	.6	1.2	1.5	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.0 2.3
ESE	.4	.5	1.5	1.8	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.1 2.5
SE	.8	.9	2.7	3.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.8 4.5
SSE	.6	.7	3.3	3.9	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.2 5.0
S	.7	.9	4.0	4.7	.5	.6	.1	.2	.0	.0	.0	.0	.0	.0	5.4 6.4
SSW	.5	.6	2.4	2.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.4 4.0
SW	.7	.8	3.1	3.7	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	4.3 5.1
WSW	.5	.5	2.8	3.3	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	4.1 4.8
W	.6	.7	3.9	4.6	1.1	1.3	.5	.6	.2	.2	.0	.0	.0	.0	6.3 7.5
WNW	.7	.8	5.3	6.3	1.8	2.2	1.2	1.5	.5	.6	.1	.1	.0	.0	9.8 11.6
NW	1.0	1.2	7.0	8.3	2.7	3.2	1.8	2.1	.9	1.1	.2	.2	.0	.0	13.6 16.1
NNW	.8	.9	3.8	4.5	1.3	1.5	.8	.9	.3	.4	.1	.1	.0	.0	7.0 8.3
CALM	10.1	12.0													10.1 12.0
TOTAL	19.9	23.6	46.4	54.9	10.1	12.0	5.4	6.4	2.2	2.6	.4	.5	.0	.0	84.4 100
															8.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14745

NO. OBS.: 31079

D I R	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	C	D			
N	.8	.9	1.8	2.3	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.8	3.4	6.4
NNE	.6	.8	1.1	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.3	5.6
NE	1.1	1.3	1.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.0	4.9
ENE	.8	1.0	.8	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	5.0
E	1.0	1.2	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.6	4.8
ESE	.6	.7	1.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	2.0	5.5
SE	1.1	1.4	2.1	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.1	5.4
SSE	.7	.9	3.1	3.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.9	6.4
S	1.0	1.2	3.2	3.9	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	4.3	5.4	6.4
SSW	.4	.5	1.4	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.4	6.6
SW	.7	.9	1.6	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.0	6.0
WSW	.4	.5	1.6	2.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.1	2.6	7.2
W	.5	.6	2.7	3.3	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.8	4.7	8.8
WNW	.6	.7	4.0	5.0	.9	1.1	.6	.8	.2	.3	.0	.1	.0	.0	6.4	7.9	10.0
NW	.9	1.2	5.6	7.0	1.2	1.5	.8	.9	.3	.4	.1	.1	.0	.0	8.9	11.1	9.8
NNW	.8	1.0	3.7	4.6	.7	.8	.5	.6	.1	.1	.0	.0	.0	.0	5.7	7.1	8.9
CALM	25.2	31.3													25.2	31.3	
TOTAL	37.2	46.2	36.1	44.8	3.9	4.9	2.4	2.9	.8	1.0	.1	.2	.0	.0	80.5	100	5.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14745

NO. OBS.: 8096

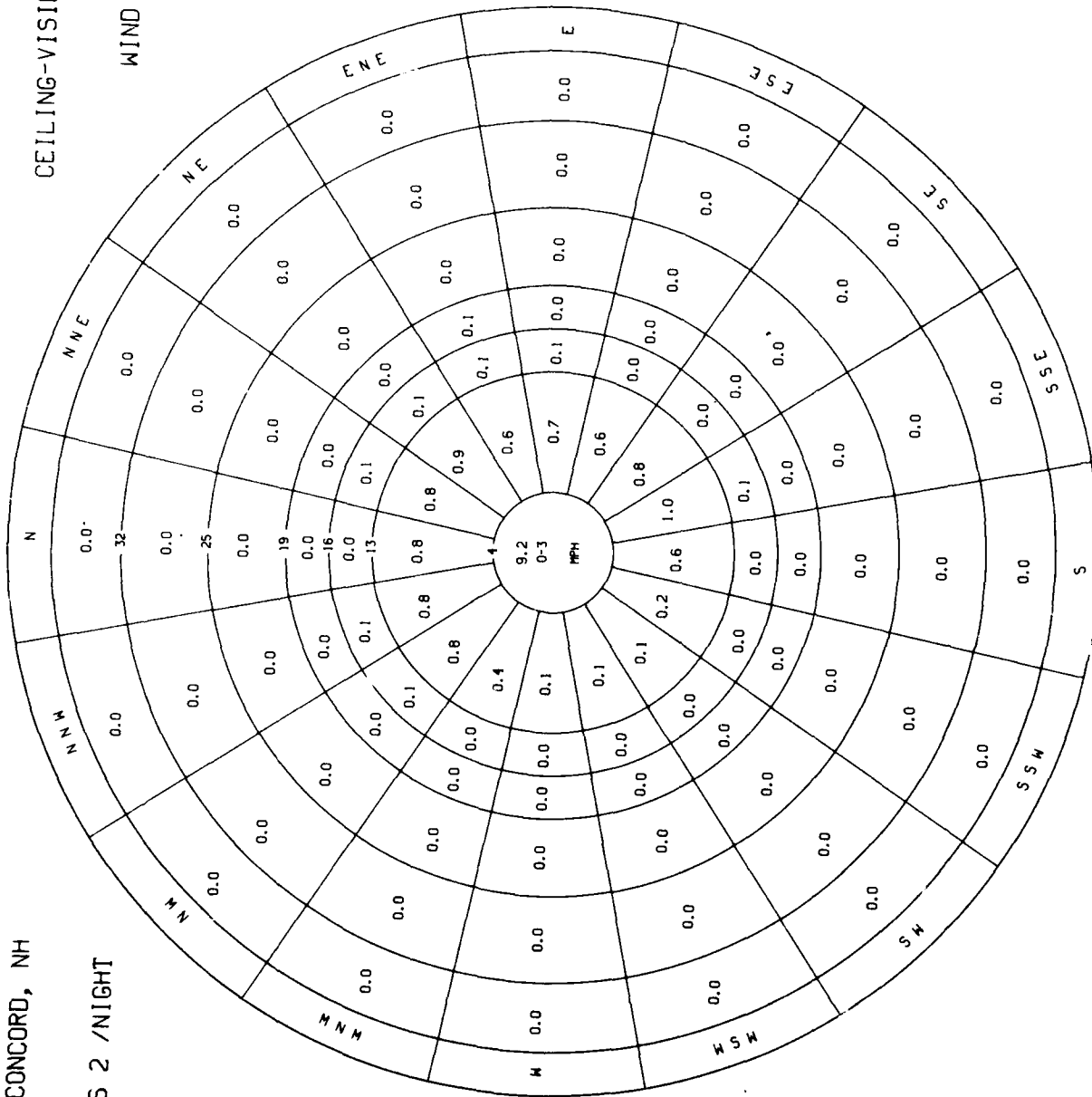
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED
	0-3			4-12			13-15			16-18			19-24			TOTAL
	A	B		A	B		A	B		A	B		A	B		
N	.2	1.3		.6	4.1		.1	.4		.0	.1		.0	.0		1.0 6.1 7.2
NNE	.2	1.0		.6	4.0		.1	.5		.0	.2		.0	.0		.9 5.8 7.9
NE	.2	1.3		1.0	6.1		.1	.7		.1	.4		.0	.0		1.4 8.7 8.3
ENE	.1	.8		.6	4.0		.1	.6		.1	.4		.0	.1		1.0 6.2 9.1
E	.2	1.1		.8	5.0		.1	.7		.0	.2		.0	.0		1.1 7.1 8.2
ESE	.1	.8		.6	3.6		.0	.3		.0	.1		.0	.0		.8 4.8 7.3
SE	.2	1.6		.8	5.2		.1	.4		.0	.1		.0	.0		1.1 7.4 6.8
SSE	.2	1.1		.9	5.6		.1	.4		.0	.1		.0	.0		1.1 7.3 7.2
S	.2	1.0		.7	4.5		.0	.2		.0	.1		.0	.0		.9 5.9 7.0
SSW	.1	.5		.1	.8		.0	.1		.0	.0		.0	.0		.2 1.4 6.0
SW	.1	.6		.1	.7		.0	.0		.0	.0		.0	.0		.2 1.4 5.1
WSW	.1	.5		.1	.4		.0	.0		.0	.0		.0	.0		.1 .9 5.2
W	.1	.5		.1	.7		.0	.0		.0	.0		.0	.0		.2 1.3 5.9
WNW	.2	1.2		.4	2.5		.0	.1		.0	.0		.0	.0		.6 3.9 5.5
NW	.3	2.0		.8	5.3		.1	.4		.0	.2		.0	.0		1.3 8.1 6.8
NNW	.2	1.1		.5	3.4		.0	.3		.0	.1		.0	.0		.8 4.9 6.8
CALM	2.9	18.9														2.9 18.9
TOTAL	5.5	35.2		8.7	56.0		.3	5.2		.4	2.3		.1	.9		1.1 15.6 100 5.9

CON CONCORD, NH

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CON CONCORD, NH

CLASS 2 / NIGHT

NO. OBS.: 7548

STATION NUMBER: 14745

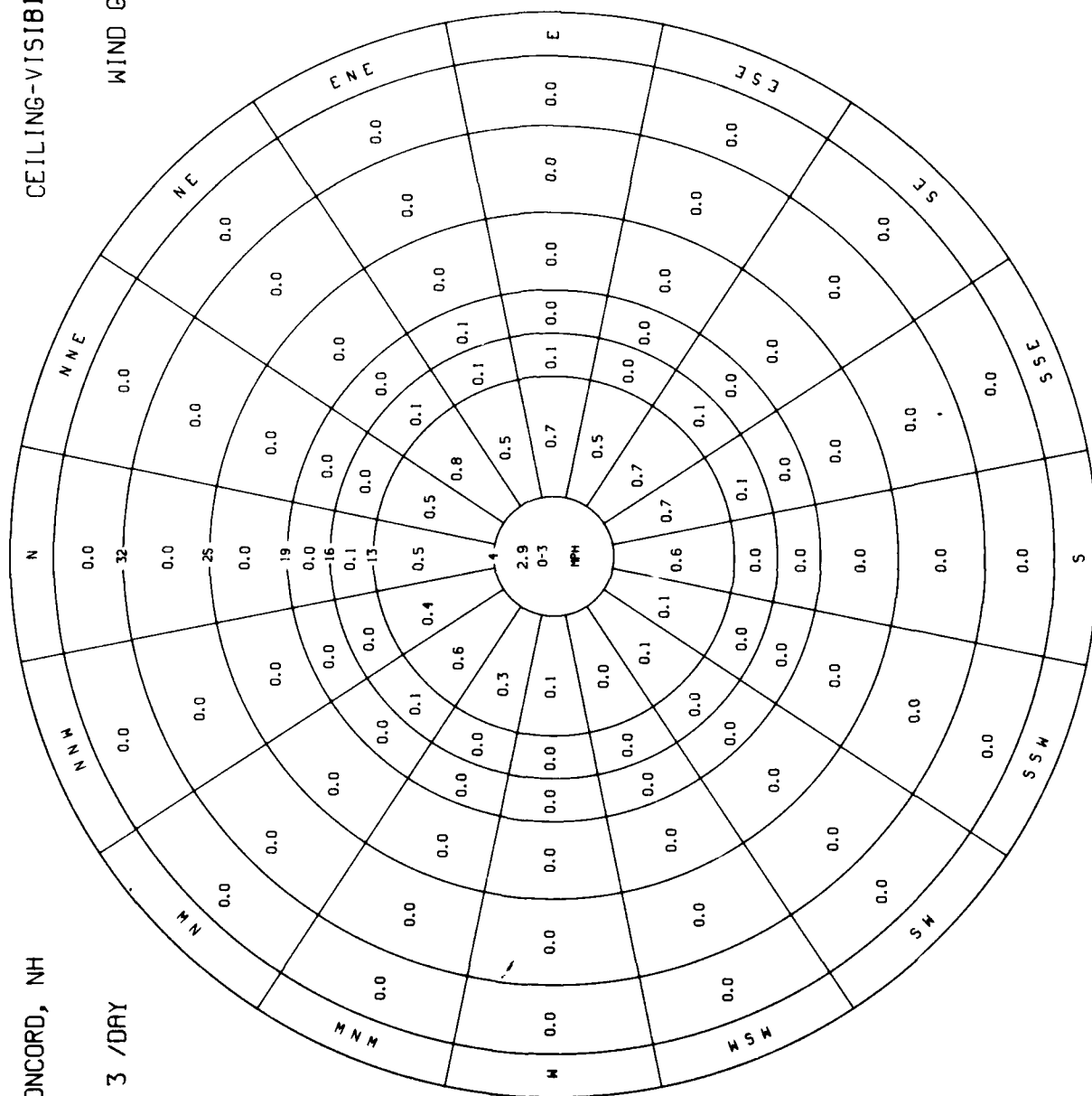
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.3	1.3	.8	3.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.1	5.5	6.5
NNE	.2	.8	.8	3.9	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.1	7.5
NE	.3	1.6	.9	4.4	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	1.3	6.7	7.4
ENE	.2	.9	.6	3.0	.1	.4	.1	.3	.0	.1	.0	.1	.0	.0	1.0	4.9	8.5
E	.3	1.5	.7	3.6	.1	.4	.0	.2	.0	.1	.0	.1	.0	.0	1.1	5.9	7.3
ESE	.2	.9	.6	3.0	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.9	4.4	7.5
SE	.3	1.6	.8	4.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	1.2	6.3	6.5
SSE	.2	1.0	1.0	5.0	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.3	6.4	7.2
S	.2	.9	.6	3.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.9	4.4	6.8
SSW	.1	.3	.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	6.1
SW	.1	.4	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.0	5.3
WSW	.0	.2	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	5.7
W	.1	.4	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.0	5.8
WNW	.2	.9	.4	1.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.6	3.0	6.7
NW	.3	1.6	.8	4.1	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	1.3	6.4	6.9
NNW	.2	1.2	.8	4.0	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	1.1	5.8	7.0
CALM	6.1	31.5													6.1	31.5	
TOTAL	9.2	47.0	9.1	46.6	.7	3.4	.4	2.0	.1	.6	.1	.3	.0	.1	19.5	100	4.8

CEILING-VISIBILITY

WIND GRAPH

CON CONCORD, NH

CLASS 3 /DAY



ANNUAL

PERIOD: 1948-1978

NO.	OBS.:	5712
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CLASS 3 / DAY

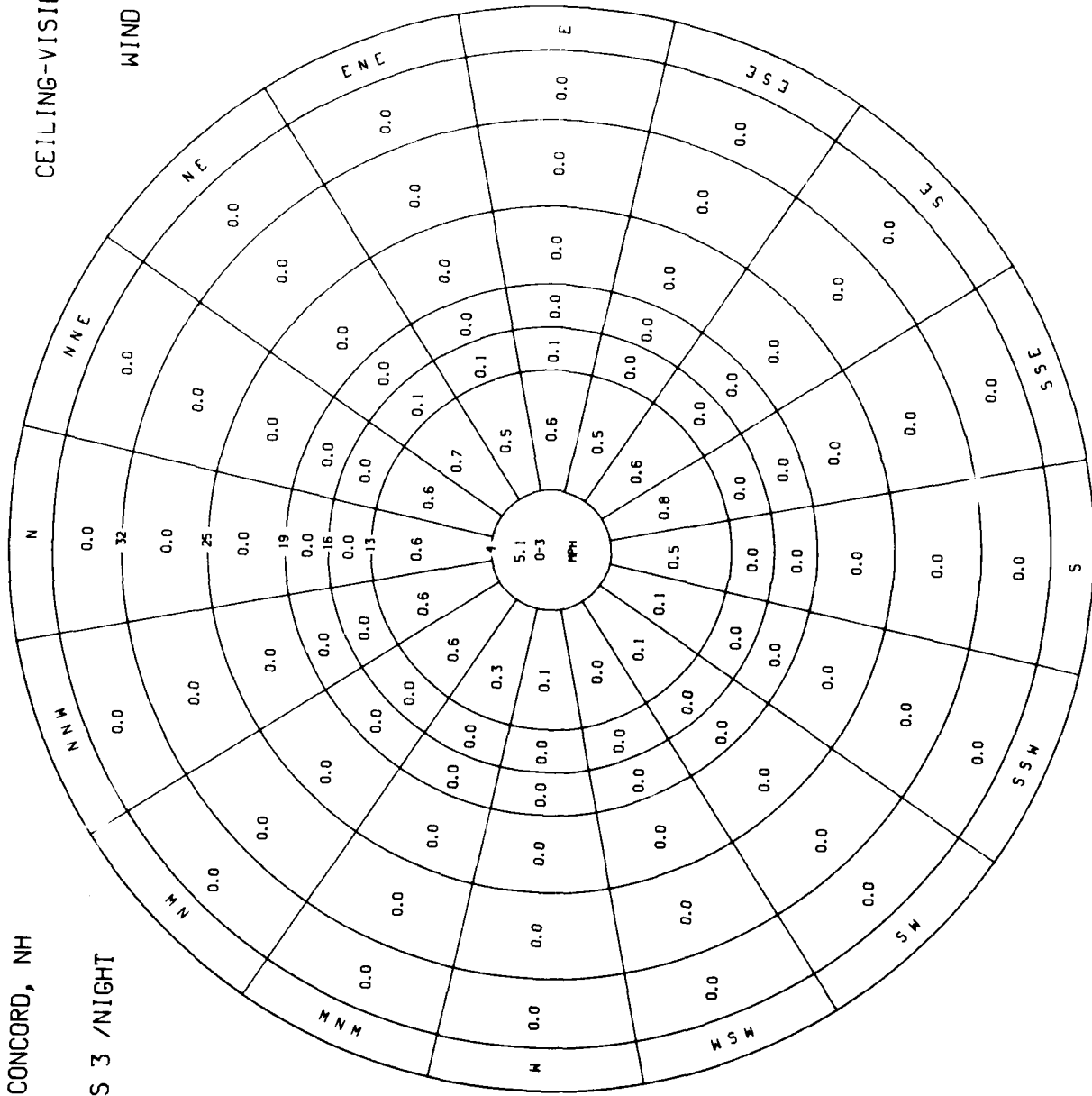
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	1.1	.5	4.5	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.7	6.2	7.2
NNE	.1	.9	.5	4.6	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.7	6.0	7.6
NE	.1	1.2	.8	7.2	.1	.8	.0	.4	.0	.1	.0	.0	.0	.0	.0	1.1	9.7	8.3
ENE	.1	.7	.5	5.0	.1	.8	.1	.5	.0	.2	.0	.1	.0	.1	.0	.8	7.3	9.4
E	.1	1.1	.7	6.5	.1	.9	.0	.2	.0	.2	.0	.1	.0	.0	.0	1.0	9.0	8.4
ESE	.1	.9	.5	4.4	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.6	5.9	7.5
SE	.2	1.5	.7	6.0	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.9	8.2	7.1
SSE	.1	1.2	.7	6.4	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.9	8.2	7.3
S	.1	.9	.6	5.1	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.7	6.6	7.5
SSW	.1	.5	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	6.4
SW	.1	.6	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	5.5
WSW	.1	.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	5.6
W	.0	.4	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.3	6.3
WNW	.1	.8	.3	2.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	3.3	6.2
NW	.2	1.4	.6	5.1	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	7.3	7.2
NNW	.1	1.0	.4	3.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.9	6.9
CALM	1.3	12.2														1.3	12.2	
TOTAL	2.9	26.8	7.0	63.5	.7	6.1	.3	2.3	.1	1.0	.0	.2	.0	.1	11.0	100		6.6

CON CONCORD, NH

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14745

NO. OBS.: 5016

D I R	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	1.4	.6	4.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.1	6.4
NNE	.1	.9	.6	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.8	7.3
NE	.2	1.4	.7	5.1	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.9	7.2	7.5
ENE	.1	.8	.5	3.7	.1	.5	.0	.4	.0	.1	.0	.1	.0	.0	.7	5.5	8.8
E	.2	1.5	.6	4.5	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.9	7.0	7.6
ESE	.1	1.0	.5	3.7	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.7	5.3	7.7
SE	.2	1.7	.6	4.4	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.9	6.7	6.8
SSE	.1	.9	.8	5.9	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	1.0	7.4	7.4
S	.1	.7	.5	3.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6	5.0	7.0
SSW	.0	.3	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.4	6.2
SW	.0	.4	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	5.8
WSW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	6.3
W	.0	.4	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.2
WNW	.1	.8	.3	2.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.4	3.2	7.2
NW	.2	1.7	.6	4.5	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.9	6.7	6.8
NNW	.2	1.2	.6	4.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.8	6.1	7.1
CALM	3.1	23.9													3.1	23.9	
TOTAL	5.1	39.1	7.0	53.8	.5	3.9	.3	2.2	.1	.6	.0	.2	.0	.1	13.0	100	5.5

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CON CONCORD, NH

CLASS 4 / DAY

NO. OBS.: 1422

STATION NUMBER: 14745

D I R	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	3.8	.0	.5	.0	.4	.0	.1	.0	.0	.0	.1	.2	6.5	8.1
NNE	.0	1.1	.1	3.7	.0	.8	.0	.6	.0	.3	.0	.0	.0	.0	.2	6.3	9.4
N	.0	1.3	.1	4.8	.0	.5	.0	.5	.0	.2	.0	.1	.0	.0	.2	7.5	8.6
ENE	.0	.9	.1	2.1	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.0	8.2
E	.0	.6	.0	1.5	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.7	8.1
ESE	.0	.4	.1	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	6.7
SE	.0	1.6	.1	4.1	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.2	6.3	6.4
SSE	.0	1.2	.1	4.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	6.5	6.9
S	.0	1.3	.1	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	5.8
SSW	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.7
SW	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.5
WSW	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.0
W	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.3
WNW	.1	2.4	.1	3.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.0	4.8
NW	.1	2.9	.2	8.0	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.3	11.7	6.3
NNW	.0	1.2	.1	4.1	.0	.6	.0	.3	.0	.1	.0	.0	.0	.0	.2	6.3	7.5
CALM	.7	24.1													.7	24.1	
TOTAL	1.2	43.0	1.3	48.5	.1	4.6	.1	2.7	.0	1.0	.0	.1	.0	.1	2.7	100	5.3

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14745

NO. OBS.: 1372

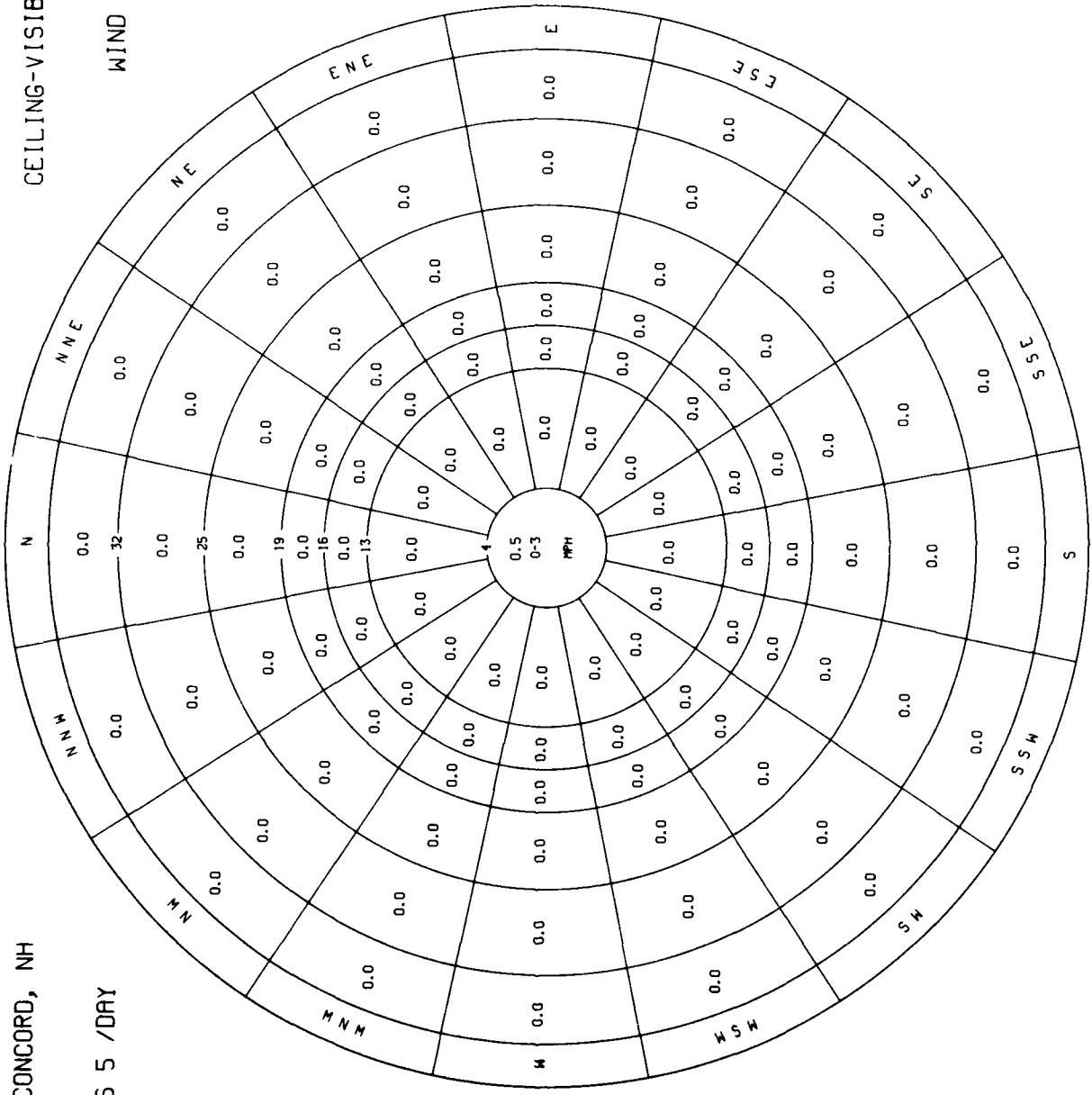
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B					
N	.0	.9	.1	3.5	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.2	5.1	7.5	
NNE	.0	.8	.1	3.5	.0	.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	5.2	8.3
NE	.0	1.4	.2	4.3	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.1	.2	6.4	7.8	
ENE	.0	.6	.1	2.3	.0	.6	.0	.4	.0	.1	.0	.0	.0	.0	.0	.1	4.1	9.2	
E	.1	1.5	.1	3.0	.0	.1	.0	.1	.0	.0	.0	.0	.2	.0	.0	.2	4.9	7.0	
ESE	.0	.8	.1	2.8	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	4.0	7.1	
SE	.1	1.7	.2	4.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	6.5	5.8	
SSE	.0	1.2	.1	4.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	5.5	6.5	
S	.0	.9	.1	2.6	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	3.6	6.5	
SSW	.0	.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.3	
SW	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.0	
WSW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.4	
W	.0	.1	.0	.7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.9	6.3	
WNW	.0	1.2	.1	2.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	3.4	5.4	
NW	.0	1.2	.2	4.9	.0	.5	.0	.4	.0	.2	.0	.1	.0	.0	.0	.3	7.4	8.1	
NNW	.0	1.3	.2	4.7	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.2	6.7	7.1	
CALM	1.2	33.9														1.2	33.9		
TOTAL	1.7	48.5	1.6	44.4	.1	3.9	.1	2.1	.0	.6	.0	.4	.0	.0	.1	3.6	100	4.7	

CON CONCORD, NH

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 14745

NO. OBS.: 408

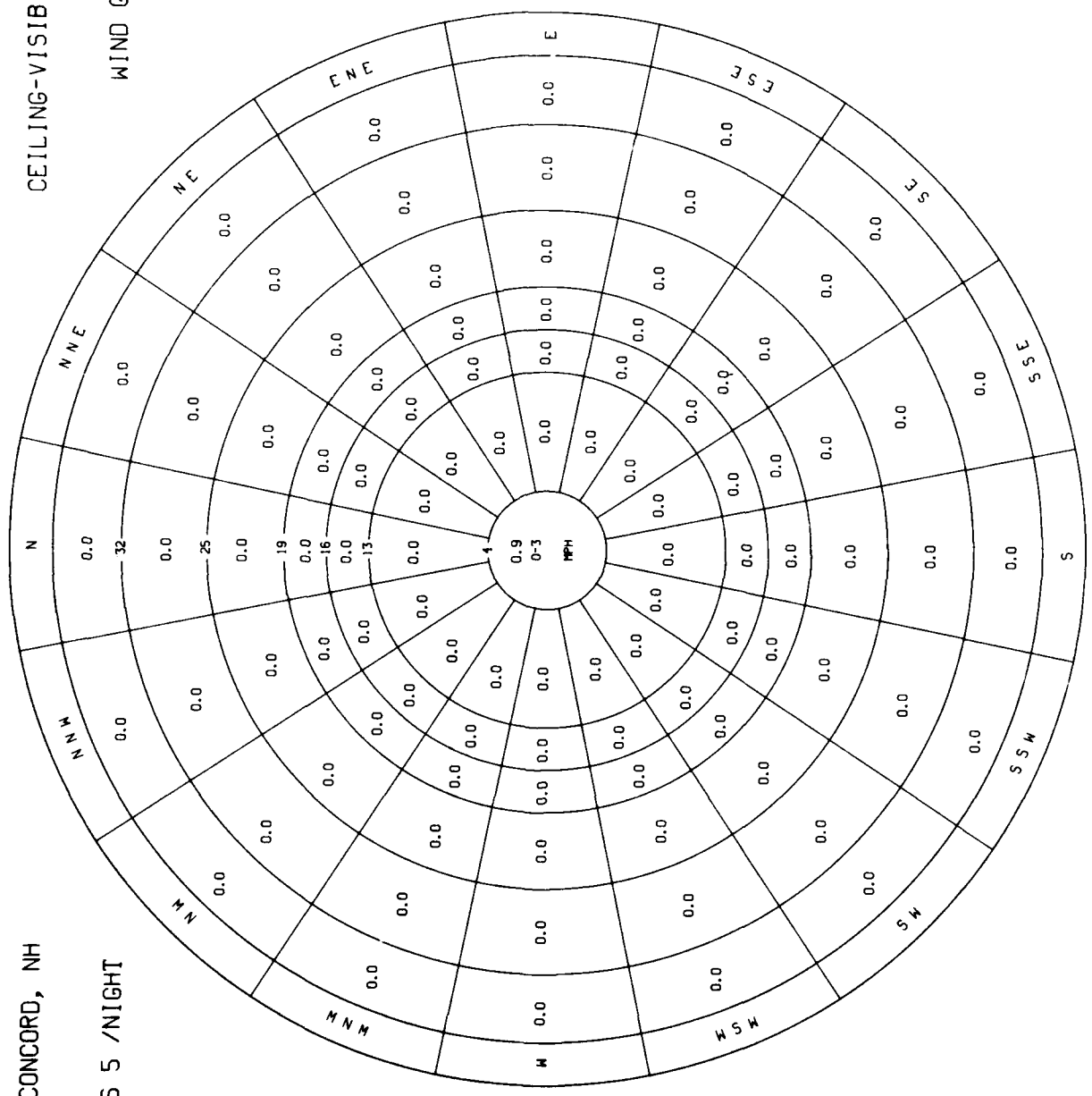
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.7	.0	2.7	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	4.9	6.0
NNE	.0	1.5	.0	.7	.0	.7	.0	.7	.0	.0	.0	.2	.0	.0	.0	3.9	9.7
NE	.0	1.0	.0	2.2	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	5.6	10.5
ENE	.0	1.0	.0	1.2	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	2.7	7.9
E	.0	1.2	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
ESE	.0	1.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.1
SE	.0	1.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.7
SSE	.0	1.7	.0	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.2
S	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.4
SSW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0
SW	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.3
WSW	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.8
W	.0	1.0	.0	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.5	6.9
WNW	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	3.9
NW	.0	3.2	.0	3.4	.0	.2	.0	1.0	.0	.5	.0	.0	.0	.0	.1	8.3	7.0
NNW	.0	1.7	.0	1.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.4	4.9
CALM	.4	46.8													.4	46.8	
TOTAL	.5	68.6	.2	23.3	.0	2.7	.0	4.2	.0	1.0	.0	.2	.0	.0	.8	100	3.4

CONCORD, NH

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CON CONCORD, NH

CLASS 5 / NIGHT

NO. OBS.: 479

STATION NUMBER: 14745

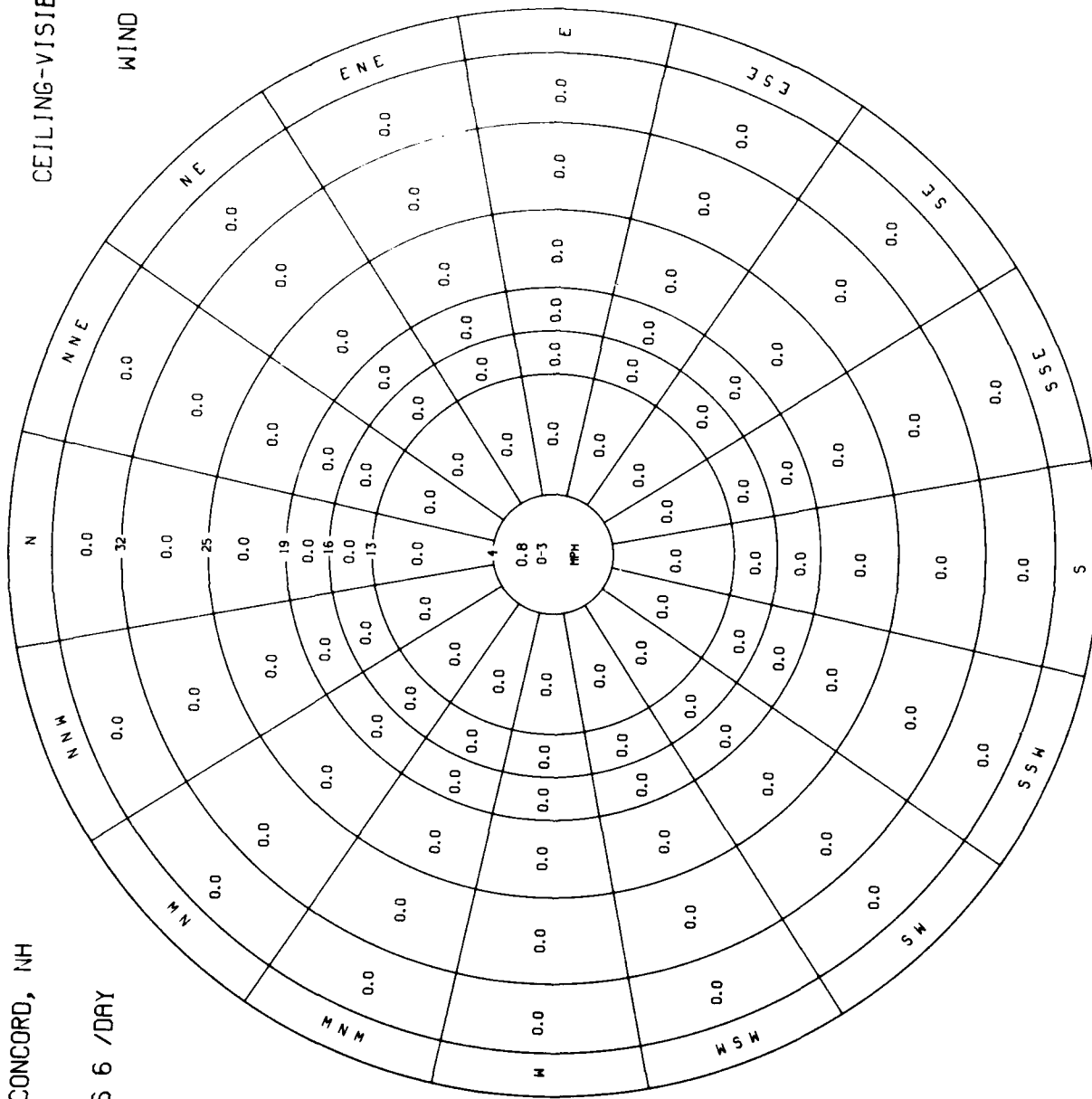
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	2.1	.0	2.1	.0	.2	.0	.0	.0	.4	.0	.0	.0	.0	.1	4.8	6.7
NNE	.0	.0	.0	1.9	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	2.7	11.2
NE	.0	2.7	.0	1.5	.0	.4	.0	.2	.0	.2	.0	.6	.0	.0	.1	5.6	8.4
ENE	.0	2.5	.0	.4	.0	.2	.0	.2	.0	.0	.0	.2	.0	.0	.0	3.5	6.2
E	.0	1.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.8
ESE	.0	.8	.0	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.1	6.5
SE	.0	1.7	.0	4.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.8	5.6
SSE	.0	.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.1
S	.0	1.0	.0	1.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.3	6.4
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.3
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.0
WNW	.0	1.3	.0	1.5	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	2.9	6.3
NW	.0	1.7	.0	2.5	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	4.4	5.8
NNW	.0	1.5	.0	2.1	.0	.4	.0	.6	.0	.0	.0	.0	.0	.0	.1	4.6	7.3
CALM	.6	52.4													.6	52.4	
TOTAL	.9	70.6	.3	23.6	.0	1.7	.0	1.9	.0	1.5	.0	.8	.0	.0	1.2	100	3.1

CON CONCORD, NH

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

CLASS 6 / DAY

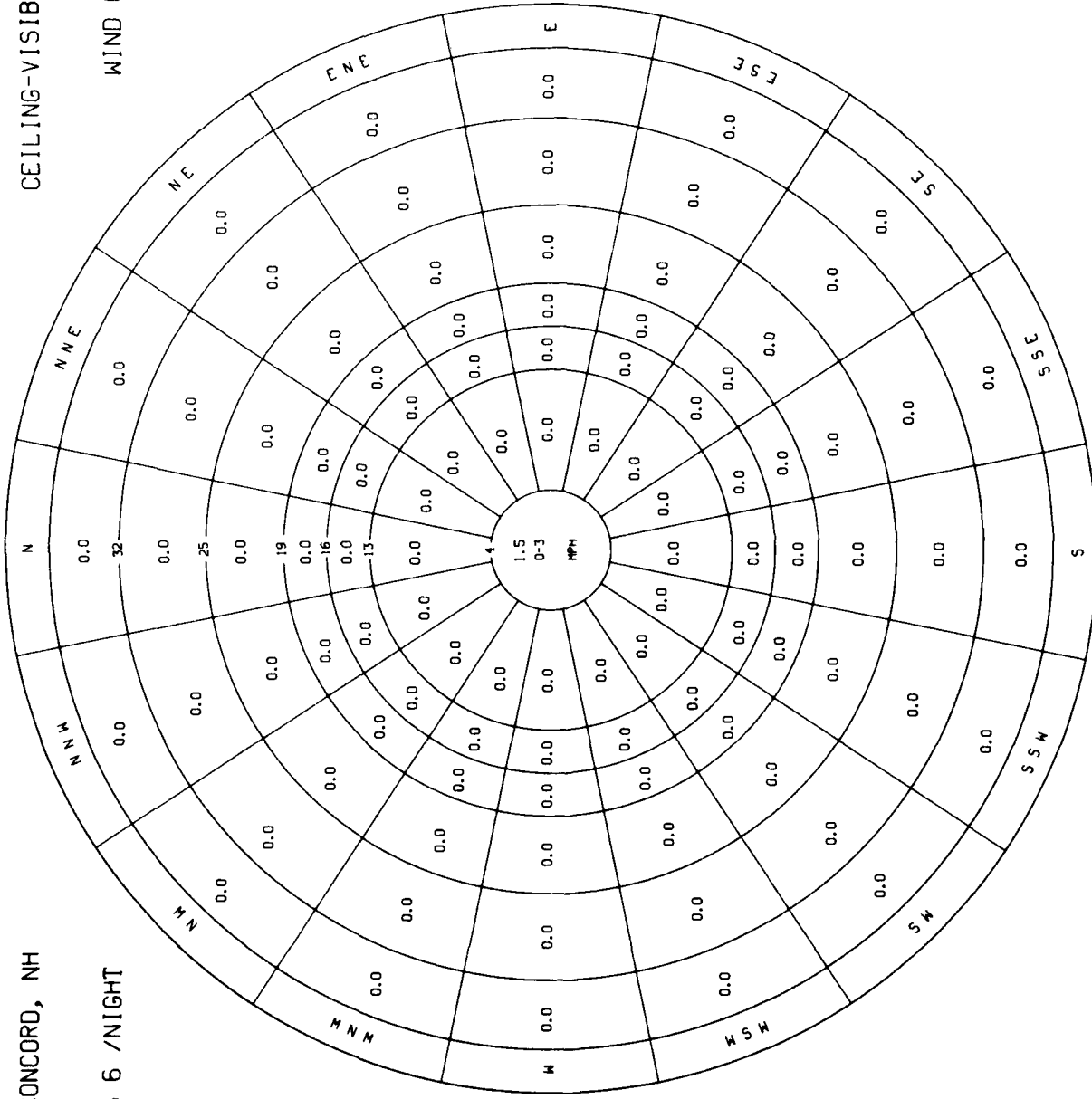
STATION NUMBER: 14745

NO. OBS.: 554

D I R	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	
N	.0	2.7	.0	2.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 5.4
NNE	.0	1.8	.0	1.3	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0 3.4
NE	.0	2.2	.0	1.4	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0 4.0
ENE	.0	1.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
E	.0	2.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ESE	.0	.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SE	.0	2.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
SSE	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
S	.0	1.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
SSW	.0	1.1	.0	.9	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0 2.2
SW	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
WSW	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
W	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
WNW	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
NW	.0	4.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.7
NNW	.0	1.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
CALM	.6	53.2													.6 53.2
TOTAL	.8	77.6	.2	21.3	.0	.2	.0	.4	.0	.4	.0	.2	.0	.0	1.1 100 2.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CON CONCORD, NH

PERIOD: 1948-1978

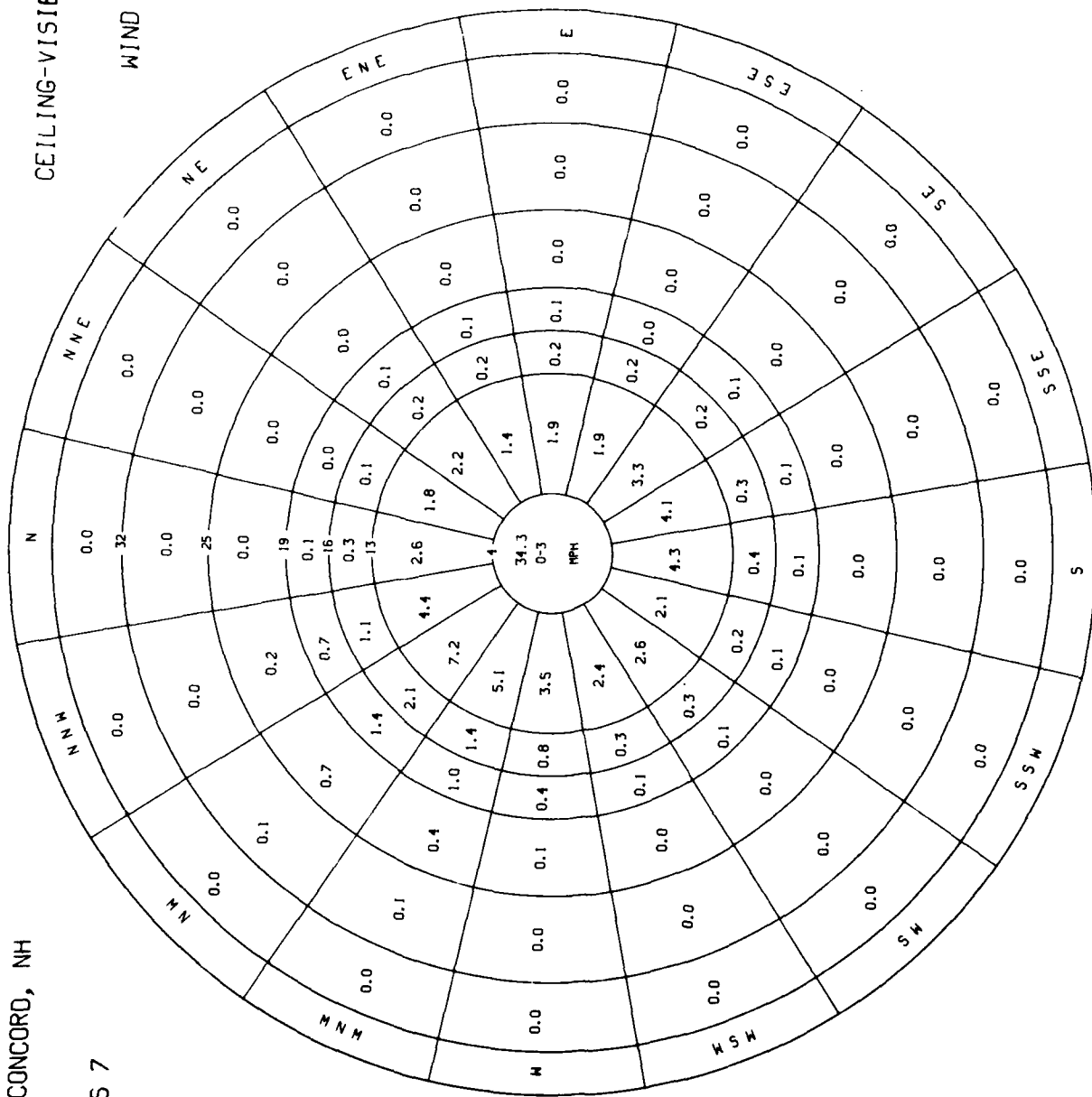
CLASS 6 / NIGHT

STATION NUMBER: 14745

NO. OBS.: 681

D I R	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	
N	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NNE	.0	1.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
NE	.0	2.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.0
ENE	.0	1.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
E	.0	1.6	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0 2.2
ESE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
SE	.0	.9	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1 3.1
SSE	.0	1.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1 3.8
S	.0	1.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
SSW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .1
SW	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
WSW	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
W	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
WNW	.0	.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
NW	.0	1.9	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1 3.2
NNW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
CALM	1.2	67.7													1.2 67.7
TOTAL	1.5	85.9	.2	13.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.8 100 1.4

CON CONCORD, NH
 CLASS 7
 CEILING-VISIBILITY
 WIND GRAPH

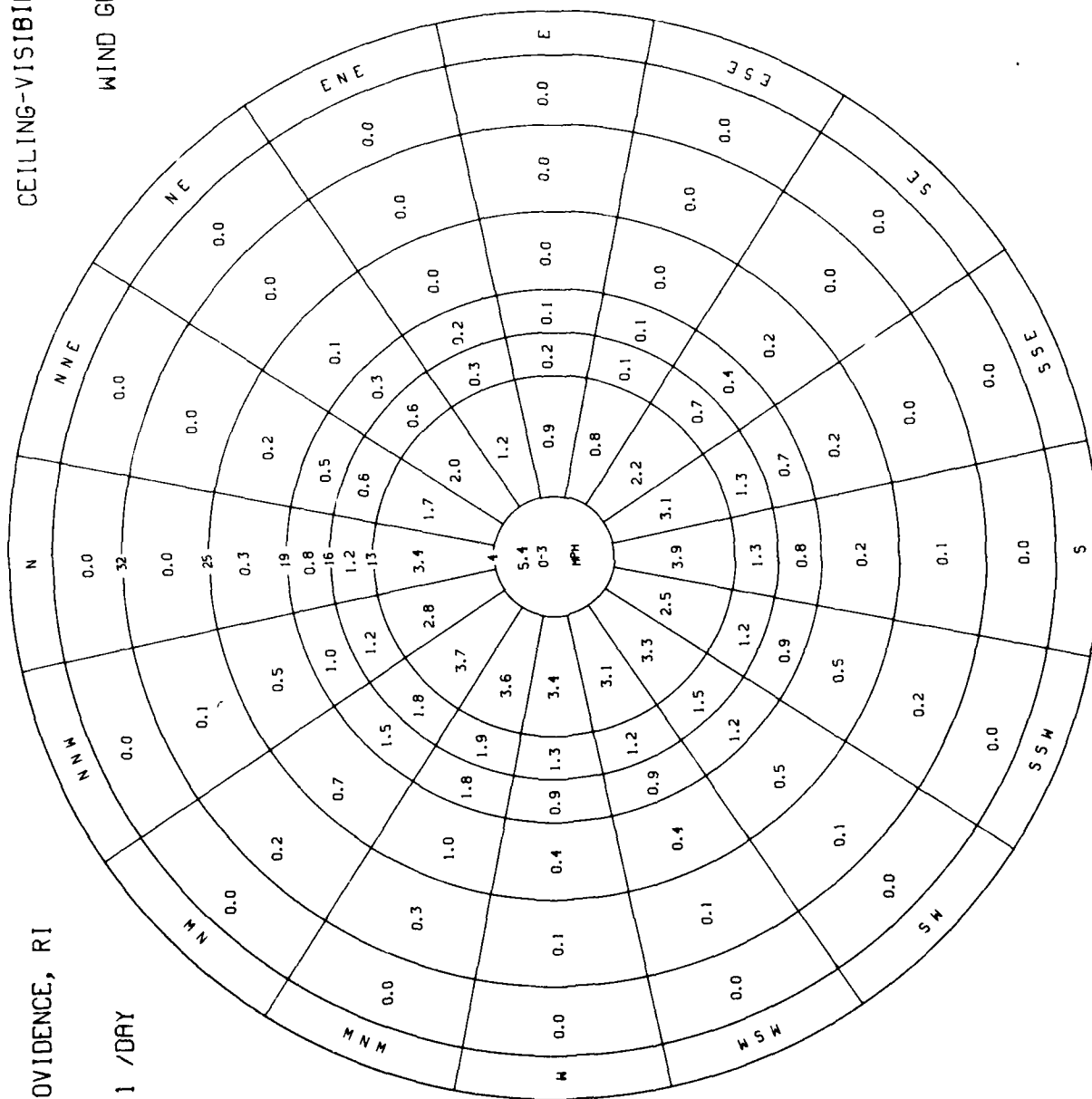


PVD PROVIDENCE, RI

WIND GRAPH

CLASS 1 / DAY

CLASS 1 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14765

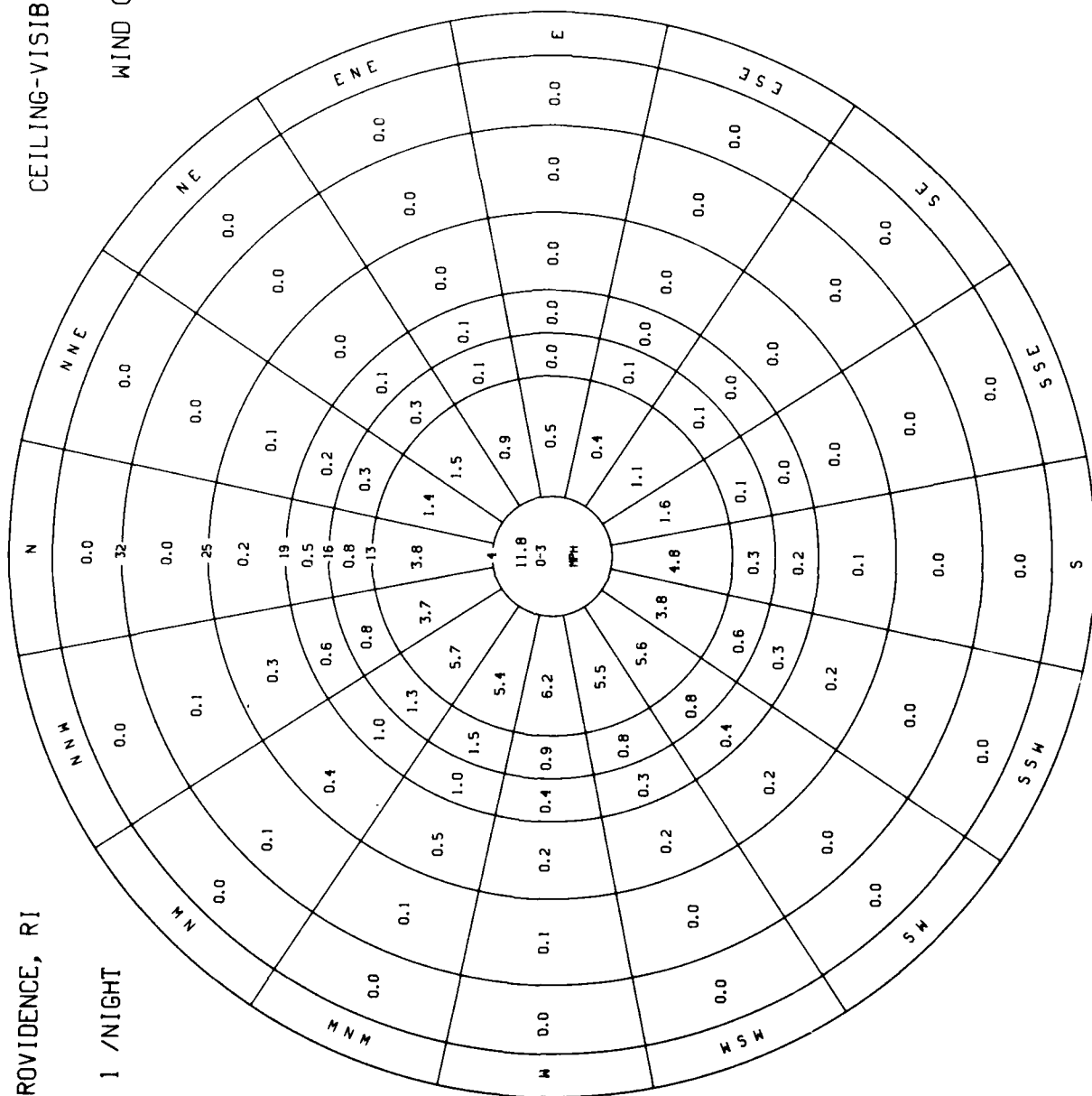
NO. OBS.: 42636

D I R	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	3.4	4.2	1.2	1.5	.8	.9	.3	.3	.0	.0	.0	.0	5.9	7.2	11.4
NNE	.1	.1	1.7	2.1	.6	.8	.5	.6	.2	.2	.0	.0	.0	.0	3.2	3.8	11.7
NE	.2	.2	2.0	2.4	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	3.1	3.8	10.7
ENE	.1	.1	1.2	1.4	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	1.8	2.1	10.3
E	.1	.1	.9	1.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.3	1.6	8.8
ESE	.1	.1	.8	.9	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.1	1.3	8.8
SE	.2	.3	2.2	2.7	.7	.9	.4	.5	.2	.2	.0	.0	.0	.0	3.8	4.6	10.8
SSE	.2	.3	3.1	3.8	1.3	1.6	.7	.9	.2	.3	.0	.0	.0	.0	5.5	6.8	11.4
S	.4	.5	3.9	4.8	1.3	1.6	.8	.9	.2	.3	.1	.1	.0	.0	6.7	8.2	10.9
SSW	.2	.3	2.5	3.0	1.2	1.4	.9	1.1	.5	.6	.2	.2	.0	.0	5.5	6.7	12.7
SW	.4	.5	3.3	4.1	1.5	1.8	1.2	1.5	.5	.6	.1	.2	.0	.0	7.1	8.7	12.2
WSW	.2	.3	3.1	3.7	1.2	1.4	.9	1.1	.4	.4	.1	.2	.0	.0	5.9	7.1	12.0
W	.3	.3	3.4	4.2	1.3	1.5	.9	1.2	.4	.5	.1	.1	.0	.0	6.5	7.9	11.9
WNW	.2	.2	3.6	4.3	1.9	2.3	1.8	2.1	1.0	1.2	.3	.4	.0	.0	8.7	10.6	13.6
NW	.2	.3	3.7	4.5	1.8	2.2	1.5	1.9	.7	.9	.2	.2	.0	.0	8.2	10.0	12.9
NNW	.1	.2	2.8	3.4	1.2	1.4	1.0	1.2	.5	.6	.1	.2	.0	.0	5.7	6.9	12.6
CALM	2.2	2.6													2.2	2.6	
TOTAL	5.4	6.6	41.6	50.7	16.3	19.9	12.0	14.6	5.3	6.4	1.3	1.6	.1	.2	82.1	100	11.6

PVD PROVIDENCE, RI

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 1 / NIGHT

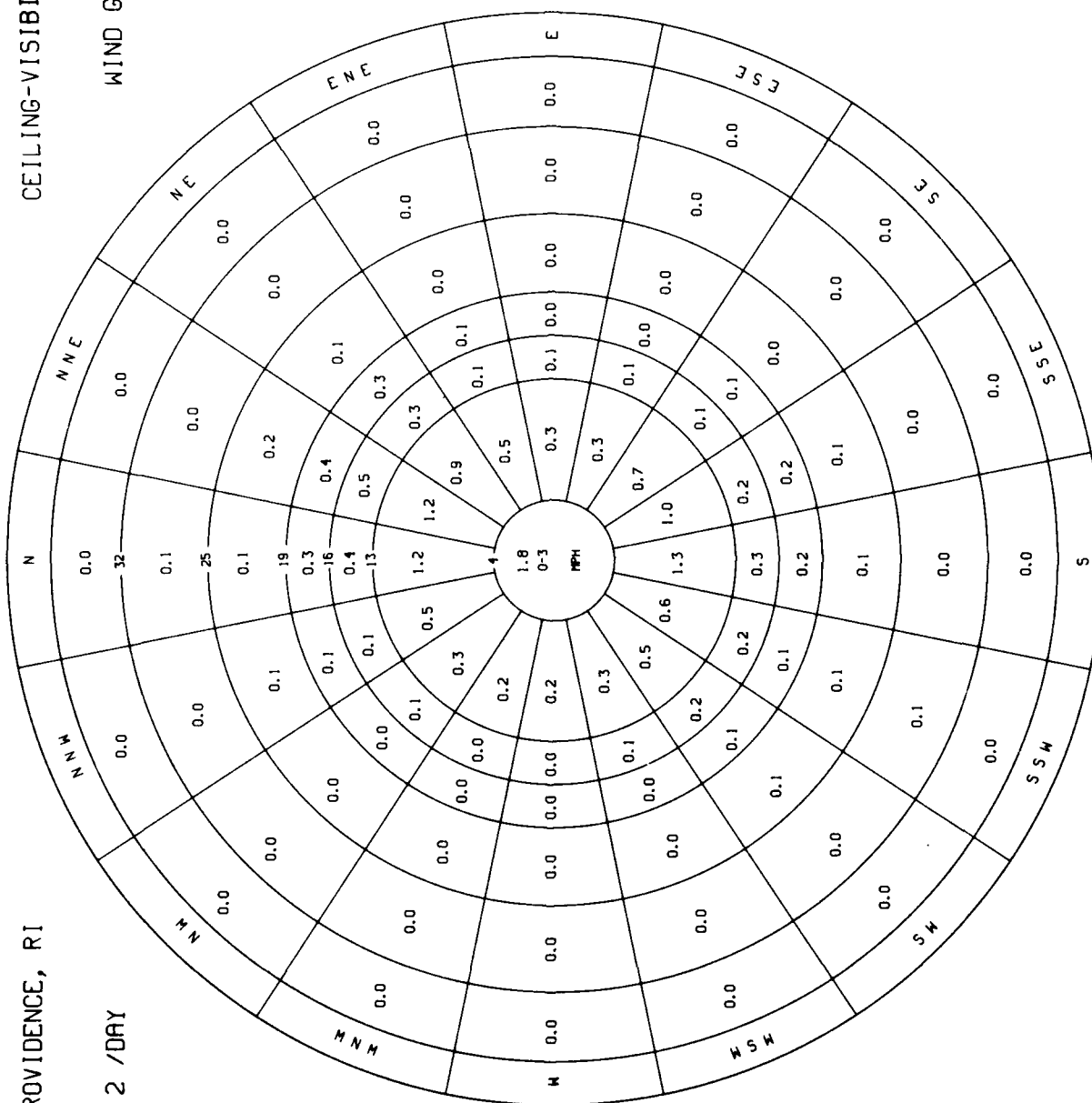
STATION NUMBER: 14765

NO. OBS.: 31091

D I R	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	3.8	4.7	.8	1.0	.5	.6	.2	.2	.0	.0	.0	.0	5.6	7.0	9.9					
NNE	.2	.2	1.4	1.8	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.2	2.8	10.2					
NNE	.2	.3	1.5	1.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.6	9.1					
ENE	.1	.1	.9	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.1	1.4	8.5					
E	.1	.1	.5	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	7.5					
ESE	.1	.1	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8	8.3					
SE	.2	.3	1.1	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.8	7.5					
SSE	.3	.4	1.6	1.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.6	7.5					
S	.7	.9	4.8	6.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	6.2	7.7	7.8					
SSW	.5	.6	3.8	4.8	.6	.7	.3	.3	.2	.2	.0	.0	.0	.0	5.3	6.6	8.9					
SW	1.1	1.3	5.6	6.9	.8	1.0	.4	.5	.2	.3	.0	.0	.0	.0	8.1	10.1	8.7					
WSW	.7	.8	5.5	6.8	.8	1.0	.3	.4	.2	.2	.0	.0	.0	.0	7.5	9.3	8.9					
W	.8	1.0	6.2	7.7	.9	1.1	.4	.5	.2	.2	.1	.1	.0	.0	8.6	10.6	9.0					
WNW	.5	.6	5.4	6.7	1.5	1.8	1.0	1.2	.5	.6	.1	.2	.0	.0	8.9	11.1	10.9					
NW	.6	.7	5.7	7.0	1.3	1.7	1.0	1.2	.4	.4	.1	.1	.0	.0	9.0	11.2	10.4					
NNW	.2	.3	3.7	4.6	.8	1.0	.6	.7	.3	.3	.1	.1	.0	.0	5.7	7.1	10.6					
CALM	5.2	6.5													5.2	6.5						
TOTAL	11.8	14.6	51.9	64.5	8.9	11.1	5.0	6.2	2.2	2.8	.6	.8	.1	.1	80.5	100	8.8					

CEILING-VISIBILITY

WIND GRAPH



PVD PROVIDENCE, RI

CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 2 / DAY

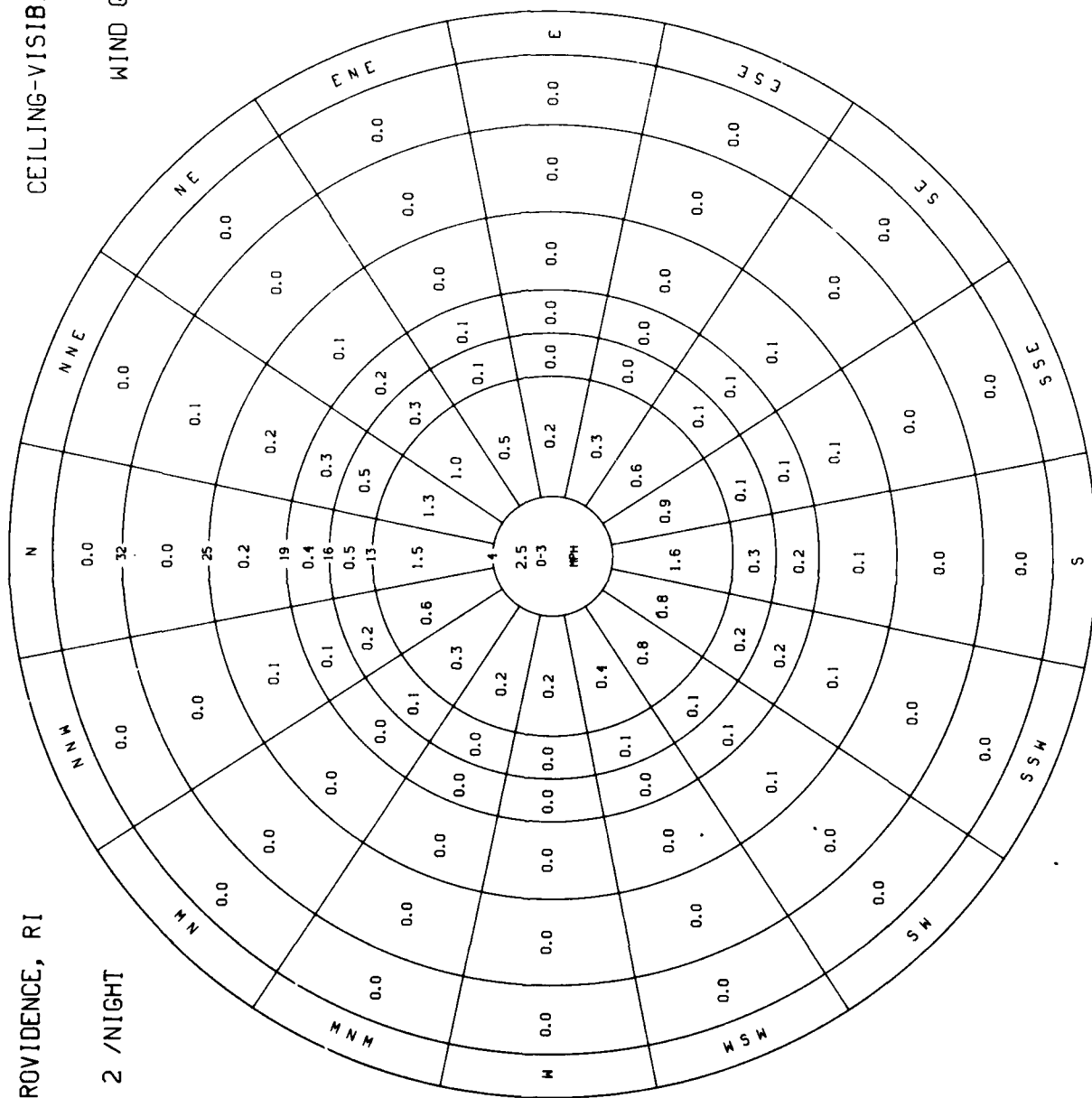
STATION NUMBER: 14765

NO. OBS.: 9288

D I R	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	
N	.1	.5	1.2	6.7	.4	2.3	.3	1.6	.1	.8	.1	.3	.0	.0	2.2 12.2
NNE	.1	.3	1.2	6.5	.5	2.8	.4	2.2	.2	1.1	.0	.3	.0	.1	2.4 13.2
NNE	.1	.4	.9	5.2	.3	1.7	.3	1.5	.1	.6	.0	.1	.0	.0	1.7 9.5
ENE	.0	.2	.5	2.6	.1	.6	.1	.5	.0	.3	.0	.1	.0	.0	.7 4.2
E	.0	.2	.3	1.5	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4 2.4
ESE	.0	.2	.3	1.7	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5 2.6
SE	.1	.5	.7	3.7	.1	.8	.1	.3	.0	.2	.0	.2	.0	.1	1.1 5.9
SSE	.1	.4	1.0	5.5	.2	1.3	.2	.9	.1	.4	.0	.1	.0	.0	1.5 8.6
S	.1	.7	1.3	7.5	.3	1.7	.2	.9	.1	.5	.0	.3	.0	.1	2.1 11.6
SSW	.1	.3	.6	3.4	.2	1.2	.1	.8	.1	.6	.1	.3	.0	.1	1.2 6.7
SW	.1	.4	.5	2.9	.2	.9	.1	.6	.1	.4	.0	.1	.0	.0	.9 5.2
WSW	.0	.1	.3	1.7	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.5 2.7
W	.0	.2	.2	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.8
WNW	.0	.2	.2	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.3
NW	.1	.3	.3	1.6	.1	.4	.0	.2	.0	.0	.0	.1	.0	.0	.5 2.6
NNW	.1	.3	.5	2.6	.1	.8	.1	.5	.1	.3	.0	.1	.0	.0	.8 4.7
CALM	.8	4.7													.8 4.7
TOTAL	1.8	10.0	9.9	55.1	2.9	16.0	1.9	10.7	1.0	5.6	.4	2.1	.1	.5	17.9 100
															10.8

PVD PROVIDENCE, RI
 CLASS 2 /NIGHT

CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

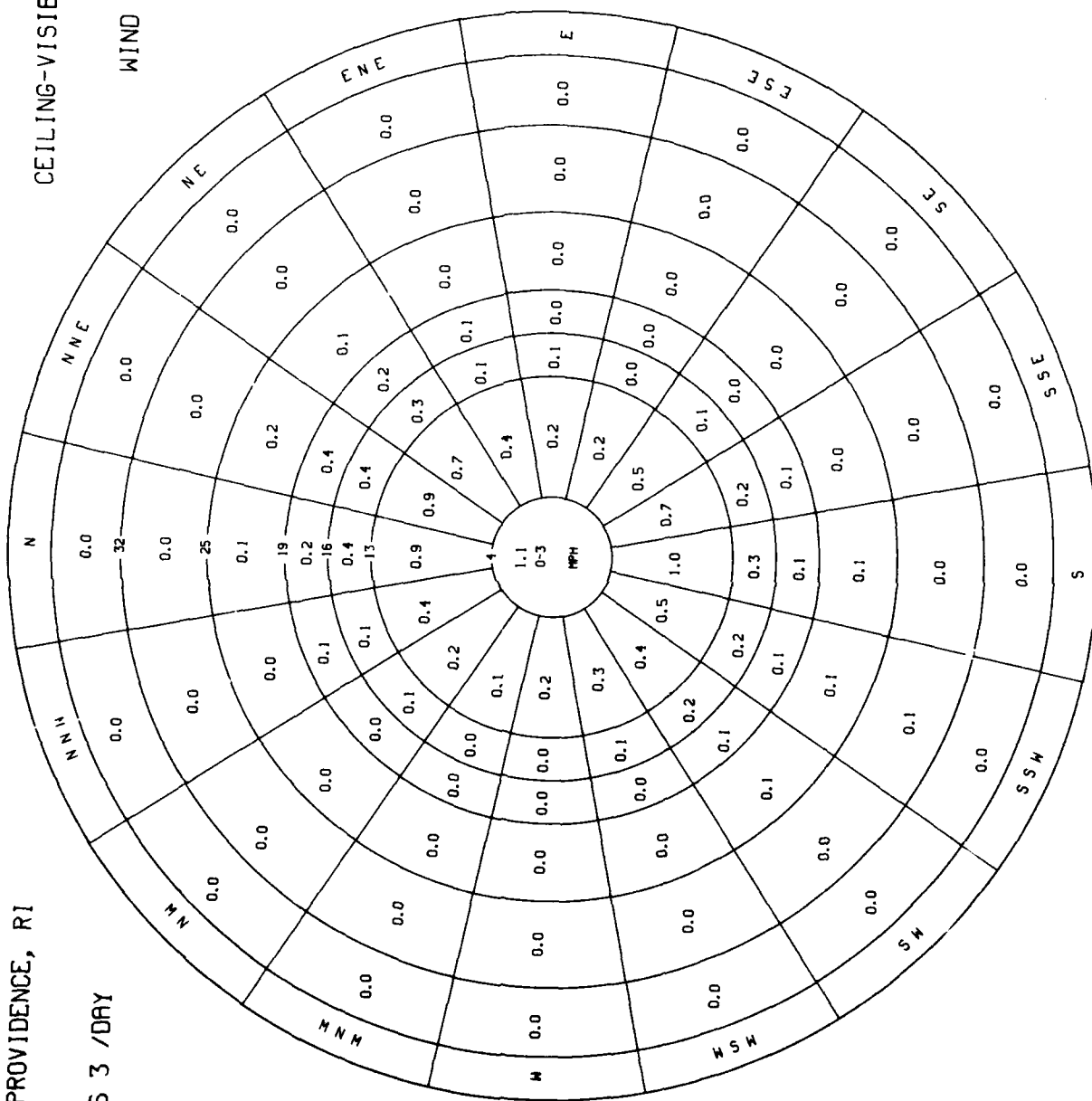
CLASS 2 / NIGHT

STATION NUMBER: 14765

NO. OBS.: 7511

D I R	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	
N	.1	.6	1.5	7.5	.5	2.6	.4	1.8	.2	1.0	.0	.2	.0	.0	2.7 13.8
NNE	.1	.4	1.3	6.6	.5	2.5	.3	1.7	.2	1.0	.1	.4	.0	.1	2.4 12.6
NE	.1	.5	1.0	5.3	.3	1.4	.2	1.0	.1	.4	.0	.1	.0	.0	1.7 8.8
ENE	.0	.2	.5	2.4	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.7 3.8
E	.0	.3	.2	1.2	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 1.9
ESE	.0	.3	.3	1.4	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.4 2.2
SE	.1	.6	.6	3.0	.1	.4	.1	.3	.1	.3	.0	.1	.0	.0	.9 4.7
SSE	.2	.8	.9	4.4	.1	.7	.1	.4	.1	.4	.0	.1	.0	.1	1.3 6.9
S	.2	.9	1.6	8.0	.3	1.4	.2	.9	.1	.5	.0	.2	.0	.1	2.3 12.0
SSW	.1	.5	.8	4.3	.2	1.0	.2	.8	.1	.5	.0	.2	.0	.1	1.4 7.4
SW	.1	.6	.8	3.9	.1	.7	.1	.6	.1	.3	.0	.1	.0	.1	1.2 6.1
WSW	.1	.3	.4	1.9	.1	.3	.0	.1	.0	.1	.0	.1	.0	.0	.5 2.7
W	.0	.3	.2	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.6
WNW	.0	.3	.2	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 1.5
NW	.1	.4	.3	1.7	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.5 2.8
NNW	.1	.3	.6	2.9	.2	1.2	.1	.6	.1	.3	.0	.2	.0	.0	1.1 5.5
CALM	1.1	5.6													1.1 5.6
TOTAL	2.5	12.6	11.0	56.4	2.7	13.9	1.8	9.2	1.0	5.4	.4	1.9	.1	.5	19.5 100
															10.2

PVD PROVIDENCE, RI
 CLASS 3 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 3 / DAY

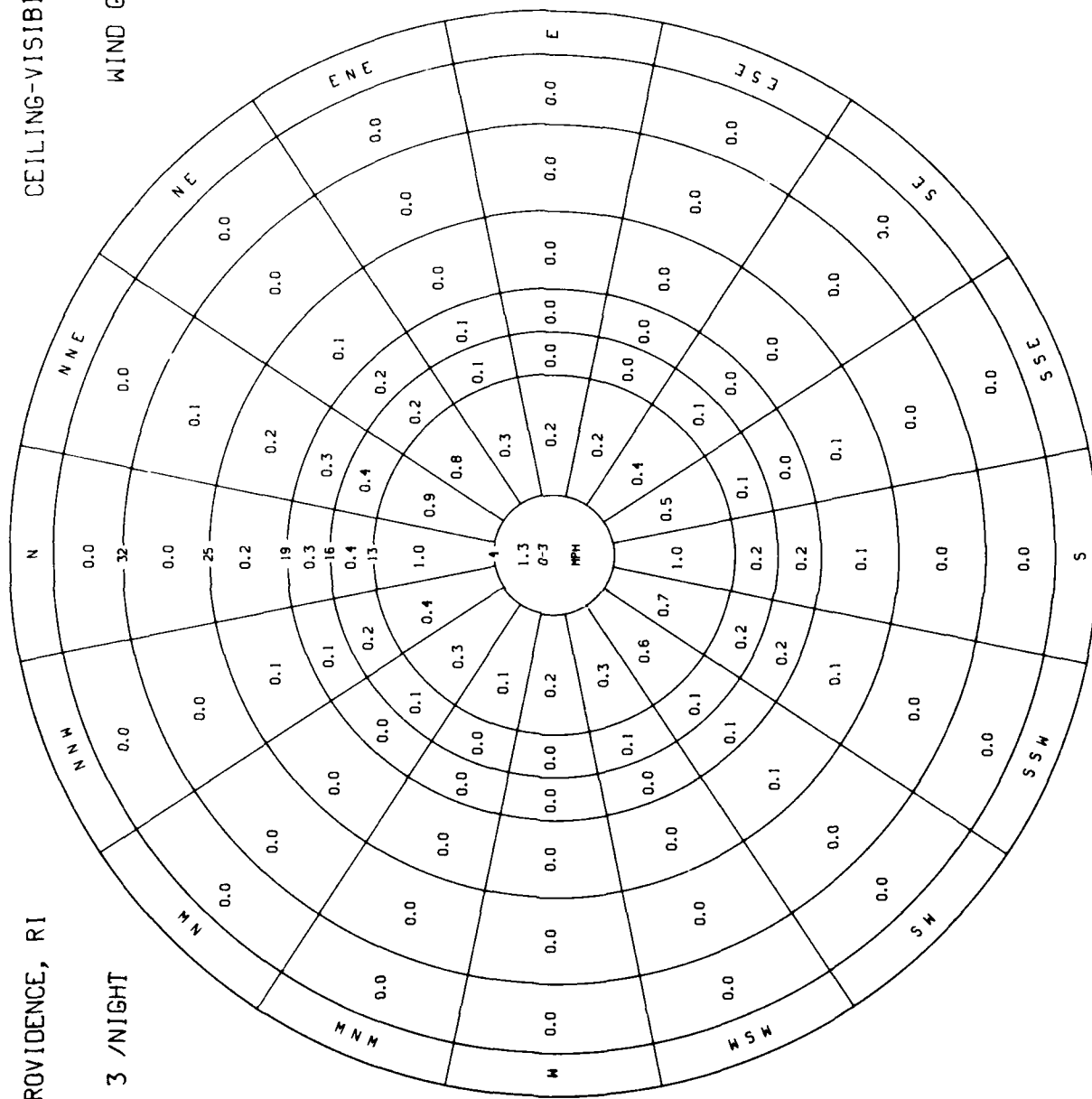
STATION NUMBER: 14765

NO. OBS.: 7456

D I R	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	
N	.1	.4	.9	6.2	.4	2.5	.2	1.7	.1	.8	.0	.3	.0	.0	1.7 11.8
NNE	.0	.2	.9	6.5	.4	3.1	.4	2.6	.2	1.2	.0	.3	.0	.0	2.0 13.9
NE	.0	.3	.7	5.2	.3	2.0	.2	1.7	.1	.7	.0	.1	.0	.0	1.4 9.8
ENE	.0	.2	.4	2.6	.1	.8	.1	.5	.0	.3	.0	.1	.0	.0	.6 4.3
E	.0	.2	.2	1.4	.1	.4	.0	.2	.0	.2	.0	.0	.0	.0	.4 2.4
ESE	.0	.2	.2	1.5	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.3 2.4
SE	.0	.3	.5	3.5	.1	.9	.0	.3	.0	.2	.0	.3	.0	.1	.8 5.6
SSE	.1	.4	.7	4.8	.2	1.3	.1	.8	.0	.3	.0	.1	.0	.1	1.1 7.8
S	.1	.6	1.0	6.8	.3	1.9	.1	.9	.1	.5	.0	.3	.0	.1	1.6 11.1
SSW	.0	.2	.5	3.6	.2	1.5	.1	.9	.1	.7	.1	.4	.0	.1	1.1 7.4
SW	.1	.4	.4	3.1	.2	1.1	.1	.7	.1	.4	.0	.1	.0	.0	.9 5.9
WSW	.0	.1	.3	1.9	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.4 3.1
W	.0	.2	.2	1.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.9
WNW	.0	.2	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.4
NW	.0	.2	.2	1.7	.1	.4	.0	.2	.0	.0	.0	.1	.0	.0	.4 2.7
NNW	.0	.2	.4	2.7	.1	.8	.1	.6	.0	.3	.0	.1	.0	.0	.7 4.8
CALM	.5	3.5													.5 3.5
TOTAL	1.1	7.8	7.7	53.7	2.6	18.0	1.7	11.8	.9	6.1	.3	2.2	.1	.4	14.4 100 11.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: PVD PROVIDENCE, RI

CLASS 3 / NIGHT

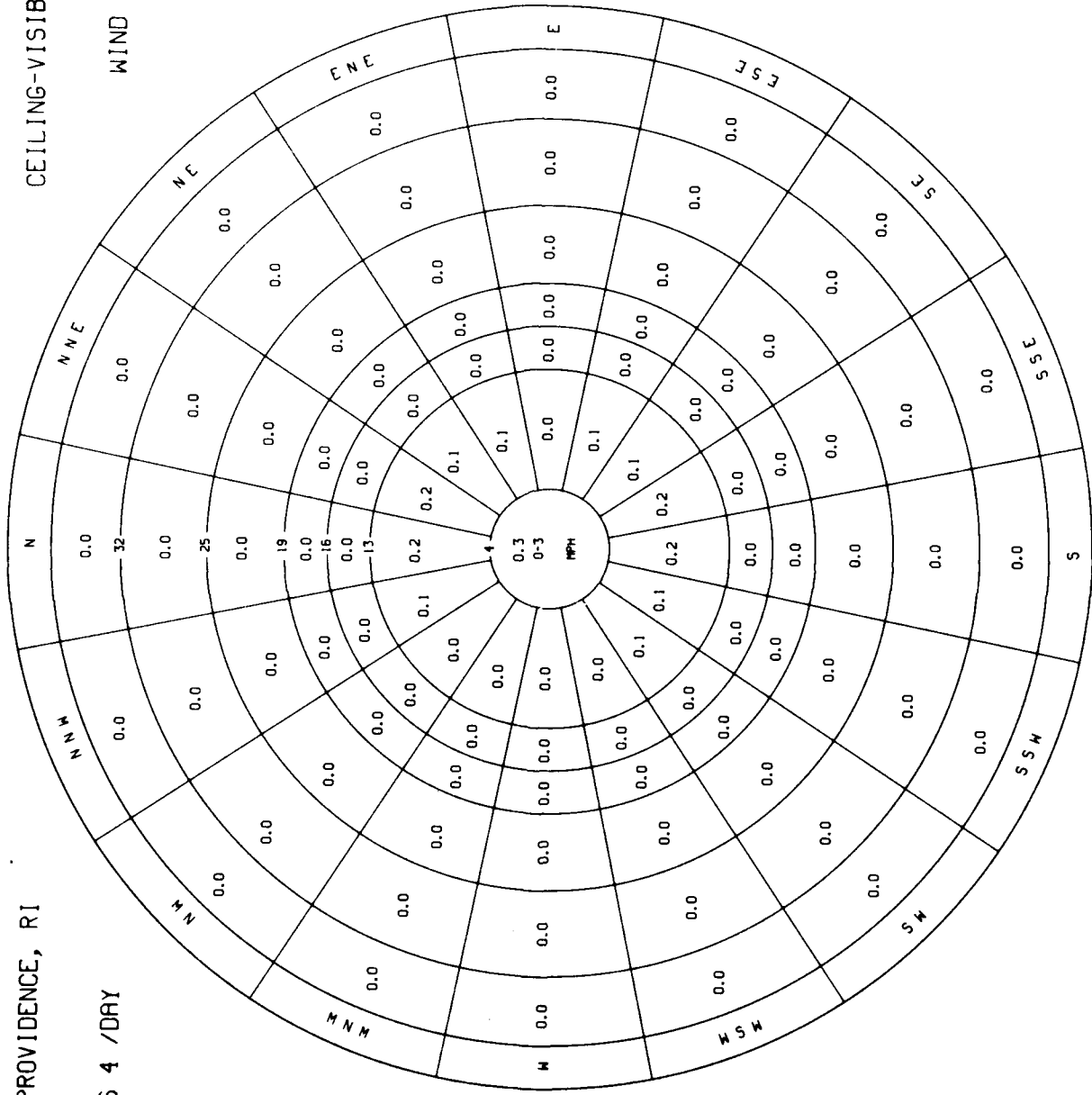
NO. OBS.: 5567

STATION NUMBER: 14765

D I R	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	.5	1.0	6.9	.4	3.1	.3	2.2	.2	1.2	.0	.2	.0	.0	2.0	14.0	12.4
NNE	.0	.3	.9	6.6	.4	3.0	.3	2.2	.2	1.2	.1	.4	.0	.1	2.0	13.7	12.9
NE	.1	.5	.8	5.6	.2	1.7	.2	1.3	.1	.6	.0	.1	.0	.0	1.4	9.7	11.5
ENE	.0	.2	.3	2.4	.1	.6	.1	.5	.0	.3	.0	.1	.0	.0	.6	4.1	11.2
E	.0	.2	.2	1.2	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.0	9.9
ESE	.0	.2	.2	1.4	.0	.2	.0	.2	.0	.2	.0	.1	.0	.0	.3	2.3	10.8
SE	.1	.4	.4	2.6	.1	.4	.0	.3	.0	.2	.0	.1	.0	.1	.6	4.1	10.6
SSE	.1	.5	.5	3.4	.1	.6	.0	.3	.1	.4	.0	.1	.0	.1	.8	5.5	10.6
S	.1	.7	1.0	6.9	.2	1.5	.2	1.1	.1	.6	.0	.2	.0	.1	1.6	11.1	10.8
SSW	.1	.4	.7	4.5	.2	1.3	.2	1.0	.1	.6	.0	.2	.0	.1	1.2	8.2	11.9
SW	.1	.4	.6	4.2	.1	.8	.1	.7	.1	.4	.0	.1	.0	.1	1.0	6.7	10.8
WSW	.0	.3	.3	1.9	.1	.4	.0	.2	.0	.1	.0	.1	.0	.0	.4	3.0	9.8
W	.0	.2	.2	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.7	8.5
WNW	.0	.3	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.6	8.7
NW	.0	.3	.3	1.8	.1	.6	.0	.2	.0	.1	.0	.1	.0	.0	.4	3.0	9.9
NNW	.0	.2	.4	2.8	.2	1.5	.1	.7	.1	.4	.0	.1	.0	.0	.8	5.7	12.3
CALM	.5	3.6													.5	3.6	
TOTAL	1.3	9.3	7.8	54.2	2.4	16.4	1.6	11.2	.9	6.4	.3	1.9	.1	.6	14.4	100	11.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 4 / DAY

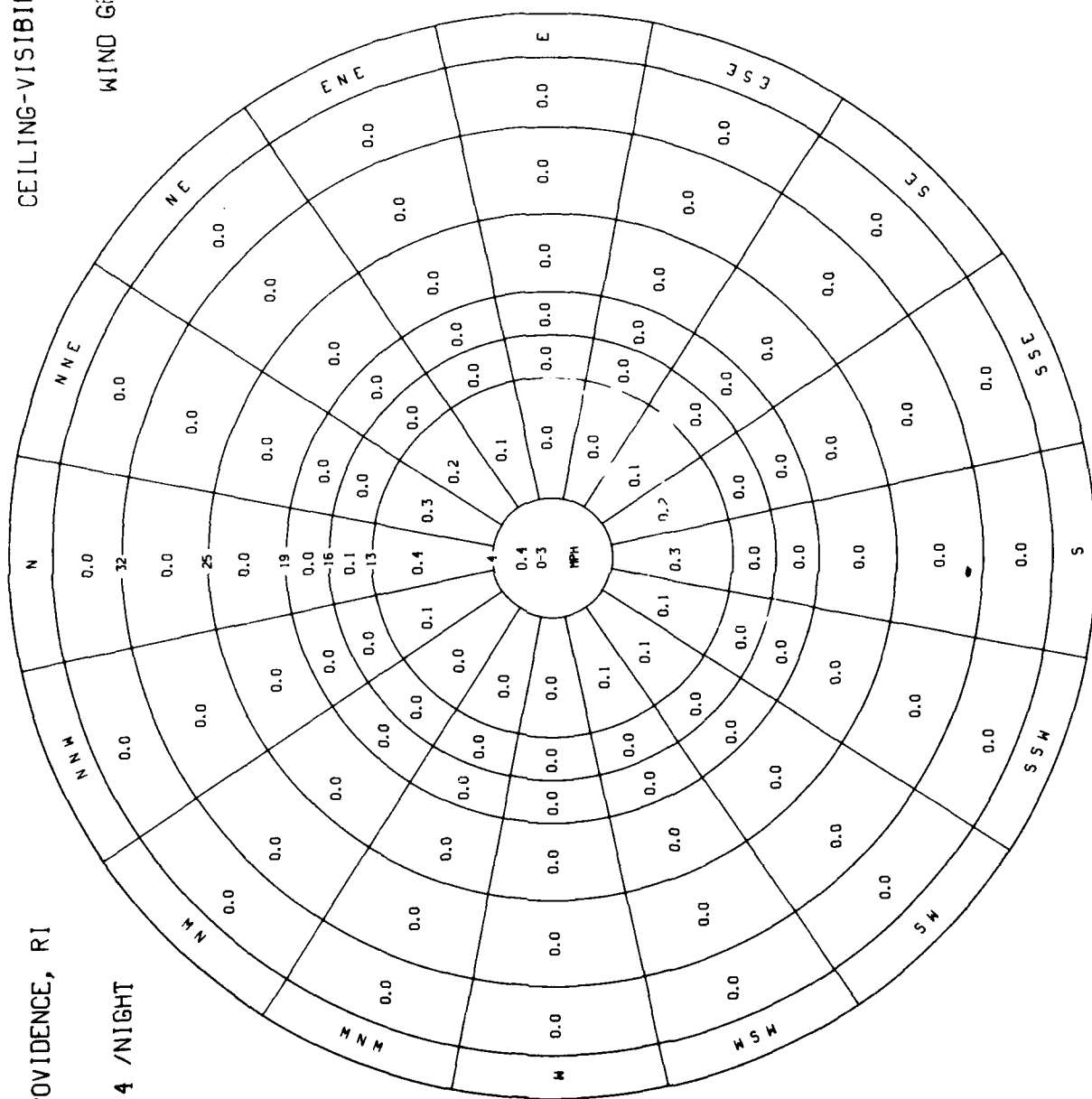
STATION NUMBER: 14765

NO. OBS.: 1218

D I R	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	
N	.0	.4	.2	10.1	.0	1.6	.0	1.4	.0	.9	.0	.3	.0	.1	.3 14.8
NNE	.0	.3	.2	7.6	.0	2.1	.0	1.1	.0	.2	.0	.1	.0	.2	.3 11.5
NE	.0	.7	.1	5.5	.0	1.1	.0	.9	.0	.4	.0	.2	.0	.0	.2 8.8
ENE	.0	.2	.1	3.0	.0	.2	.0	.2	.0	.2	.0	.0	.0	.1	.1 3.9
E	.0	.2	.0	1.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.2
ESE	.0	.2	.1	2.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.1	.1 3.7
SE	.0	.9	.1	4.0	.0	.6	.0	.2	.0	.2	.0	.2	.0	.0	.1 6.2
SSE	.0	.6	.2	7.1	.0	1.3	.0	1.4	.0	.7	.0	.2	.0	.0	.3 11.2
S	.0	.8	.2	9.5	.0	.9	.0	1.1	.0	.3	.0	.1	.0	.1	.3 12.8
SSW	.0	.8	.1	2.5	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1 3.8
SW	.0	.2	.1	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
WSW	.0	.1	.0	1.2	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0 1.6
W	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0 1.6
WNW	.0	.2	.0	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.1
NW	.0	.3	.0	1.3	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.1 2.2
NNW	.0	.5	.1	2.7	.0	.8	.0	.5	.0	.0	.0	.2	.0	.1	.1 4.8
CALM	.2	7.2													.2 7.2
TOTAL	.3	14.3	1.5	63.2	.2	9.6	.2	7.6	.1	3.4	.0	1.3	.0	.7	2.3 100
															9.2

PVD PROVIDENCE, RI

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 4 / NIGHT

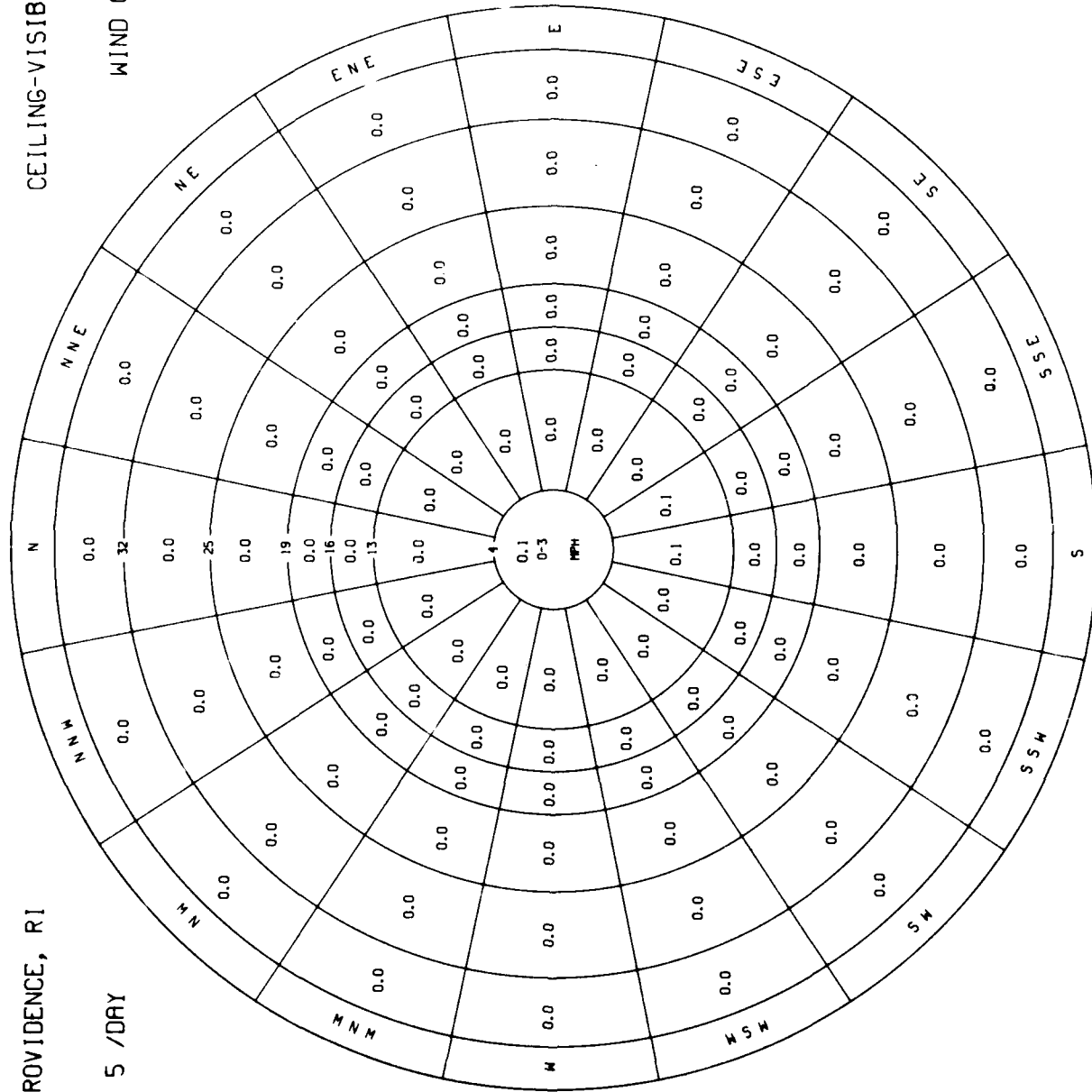
STATION NUMBER: 14765

NO. OBS.: 1199

O I R	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	
N	.0	.8	.4	12.0	.1	1.9	.0	.8	.0	.6	.0	.3	.0	.2	.5 16.6
NNE	.0	.5	.3	8.3	.0	1.3	.0	.6	.0	.4	.0	.4	.0	.0	.4 11.6
NE	.0	.3	.2	5.9	.0	1.1	.0	.3	.0	.0	.0	.2	.0	.2	.2 7.9
ENE	.0	.3	.1	2.8	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 3.6
E	.0	.4	.0	1.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.1
ESE	.0	.2	.0	1.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.1	.1 1.9
SE	.0	.5	.1	3.1	.0	.8	.0	.2	.0	.5	.0	.1	.0	.0	.2 5.1
SSE	.0	1.1	.2	6.3	.0	.8	.0	.7	.0	.4	.0	.2	.0	.1	.3 9.6
S	.0	1.0	.3	10.3	.0	1.2	.0	.7	.0	.2	.0	.4	.0	.0	.4 13.8
SSW	.0	.7	.1	4.0	.0	.3	.0	.3	.0	.1	.0	.1	.0	.0	.2 5.4
SW	.0	.3	.1	3.2	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.1 4.2
WSW	.0	.1	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.8
W	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
WNW	.0	.2	.0	.7	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0 1.1
NW	.0	.3	.0	1.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 2.1
NNW	.0	.6	.1	3.4	.0	.5	.0	.4	.0	.3	.0	.3	.0	.0	.2 5.5
CALM	.2	6.3													.2 6.3
TOTAL	.4	13.8	2.1	67.3	.3	8.9	.1	4.7	.1	2.8	.1	2.1	.0	.5	3.1 100
															8.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 14765

NO. OBS.: 334

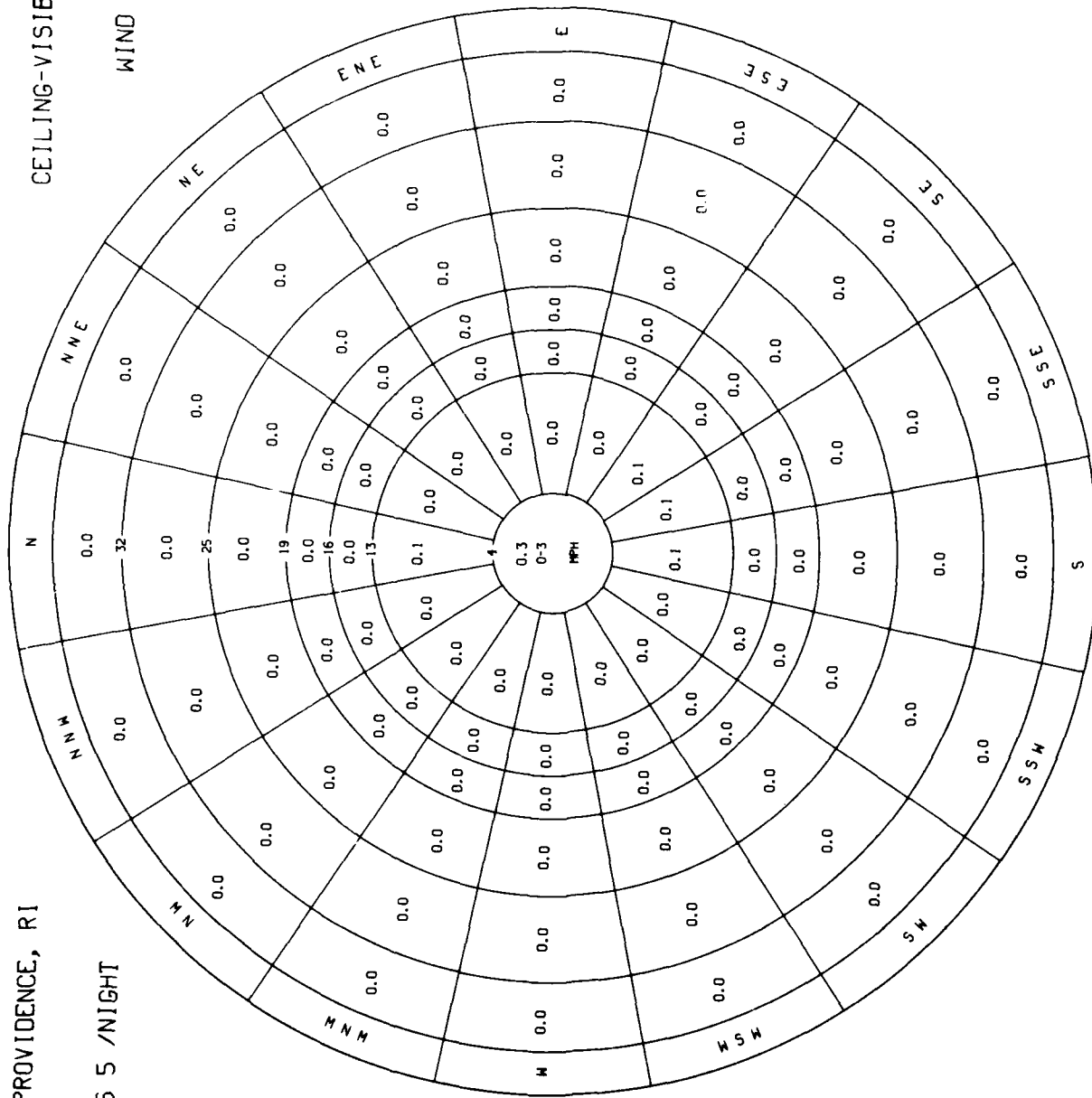
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	2.4	.0	6.9	.0	1.2	.0	.6	.0	1.5	.0	.9	.0	.3	.1	13.8	10.9
NNE	.0	.9	.0	6.3	.0	.3	.0	1.2	.0	.6	.0	.0	.0	.0	.1	9.3	9.7
NE	.0	.9	.0	6.0	.0	.6	.0	.6	.0	1.2	.0	.6	.0	.0	.1	9.9	11.2
ENE	.0	.3	.0	3.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	3.9	8.8
E	.0	.9	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.2
ESE	.0	.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	2.7	14.0
SE	.0	1.2	.0	6.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.1	7.7
SSE	.0	1.2	.1	8.7	.0	1.5	.0	.0	.0	.3	.0	.0	.0	.0	.1	11.7	8.2
S	.0	.6	.1	11.7	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.1	14.7	8.6
SSW	.0	1.2	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	3.6	7.5
SW	.0	.3	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	5.2
WSW	.0	.3	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.0
W	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
WNW	.0	.0	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	9.0
NW	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0
NNW	.0	.9	.0	2.7	.0	.6	.0	.0	.0	.9	.0	.0	.0	.3	.0	5.4	11.2
CALM	.0	6.6													.0	6.6	
TOTAL	.1	18.9	.4	63.2	.0	6.6	.0	3.9	.0	4.8	.0	1.8	.0	.9	.6	100	8.6

PVD PROVIDENCE, RI

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 5 / NIGHT

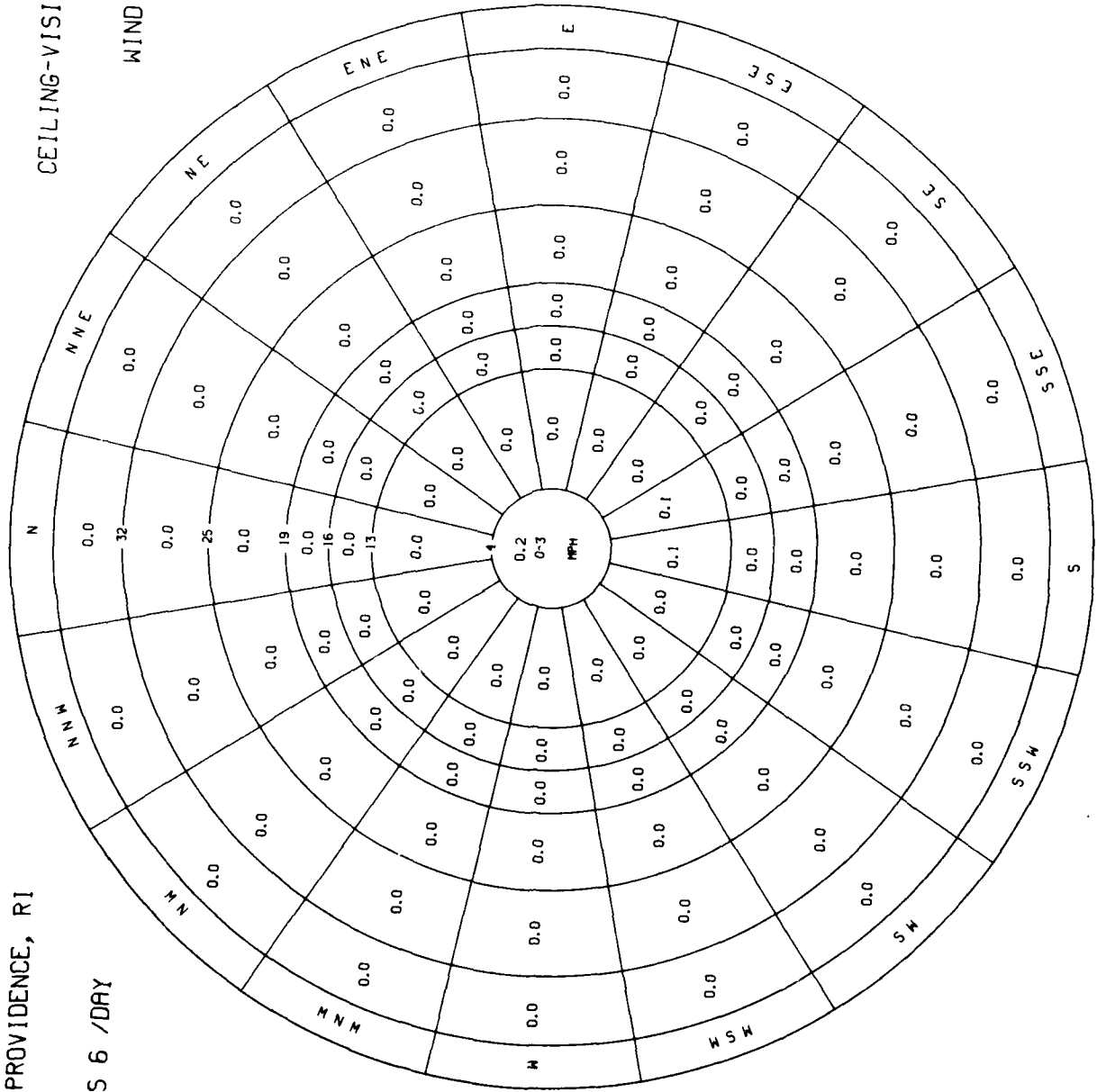
STATION NUMBER: 14765

NO. OBS.: 384

D I R	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
N	.0	1.6	.1	7.0	.0	.3	.0	.3	.0	.5	.0	1.0	.0	.3	.1	10.9	10.5
NNE	.0	.3	.0	3.9	.0	1.0	.0	.3	.0	.3	.0	.3	.0	.0	.1	6.0	10.7
NE	.0	.0	.0	2.1	.0	.0	.0	.3	.0	.3	.0	.3	.0	.0	.0	2.9	11.2
ENE	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.3
E	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.2
ESE	.0	.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.0
SE	.0	2.3	.1	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	6.0
SSE	.0	1.8	.1	8.9	.0	1.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	13.3	9.1
S	.0	.8	.1	14.1	.0	.5	.0	.0	.0	.0	.0	.3	.0	.0	.2	15.6	7.9
SSW	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	4.7	8.5
SW	.0	1.3	.0	3.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.5
WSW	.0	.8	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.3
W	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.4
WNW	.0	.3	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.0
NW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.8	8.4
NNW	.0	.8	.0	4.2	.0	.3	.0	.5	.0	.3	.0	.0	.0	.3	.1	6.3	9.9
CALM	.1	12.2															
TOTAL	.3	26.0	.6	63.0	.0	3.9	.0	2.3	.0	1.8	.0	2.1	.0	.8	.1	12.2	7.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

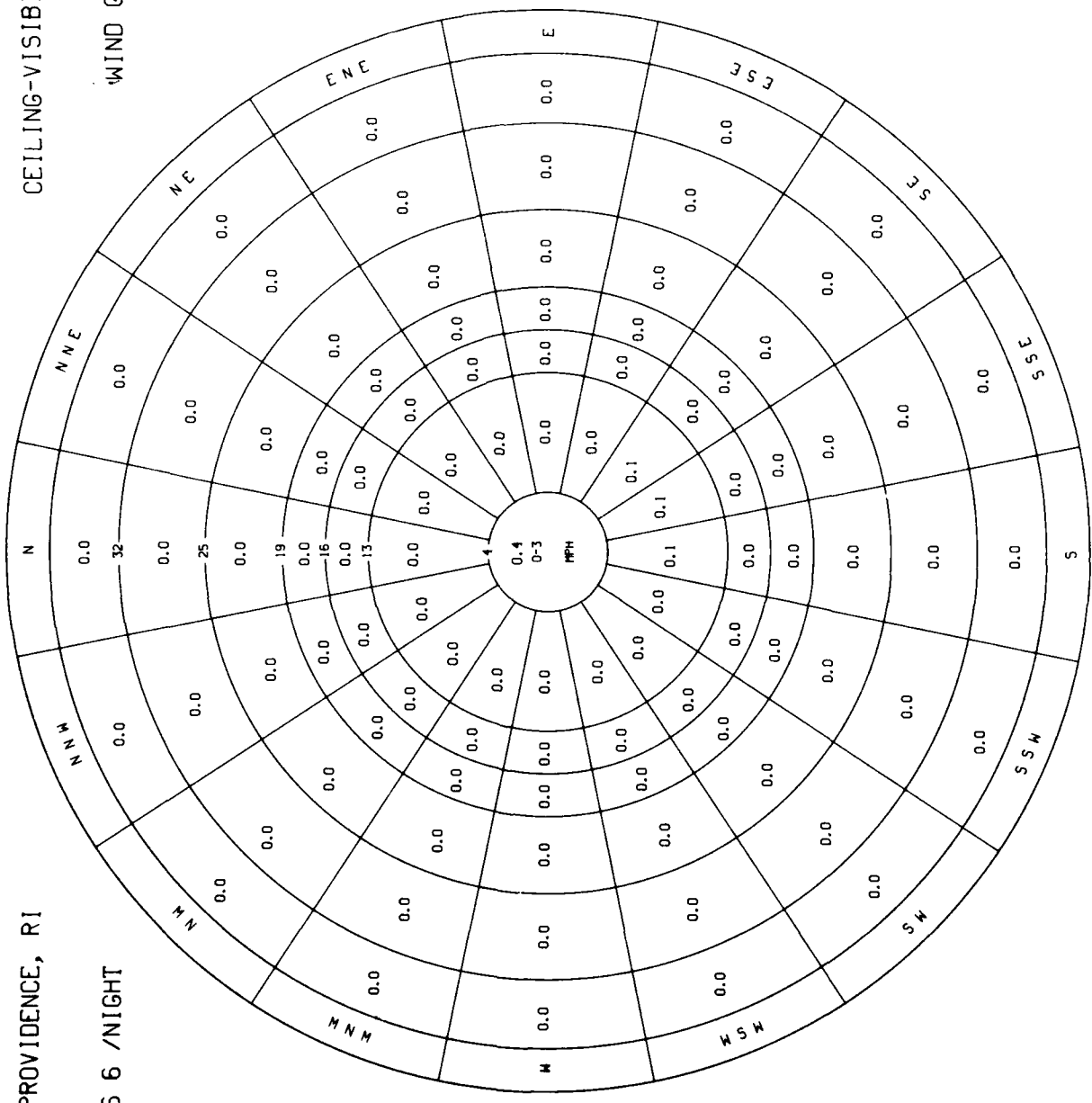
CLASS 6 / DAY

STATION NUMBER: 14765

NO. OBS.: 280

D I R	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
N	.0	1.8	.0	3.9	.0	.0	.0	.4	.0	.4	.0	1.1	.0	.4	.0	7.9	12.2
NNE	.0	1.4	.0	2.9	.0	.0	.0	.0	.0	1.1	.0	.7	.0	.7	.0	6.8	13.0
NE	.0	.7	.0	2.9	.0	.0	.0	.4	.0	.4	.0	.4	.0	.4	.0	4.6	9.8
ENE	.0	.0	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.4	8.8
E	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	3.0
ESE	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
SE	.0	2.9	.0	5.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	6.0
SSE	.0	.4	.1	12.9	.0	.7	.0	.7	.0	.4	.0	.0	.0	.0	.1	15.0	9.4
S	.0	3.6	.1	10.0	.0	.7	.0	.4	.0	.7	.0	.4	.0	.0	.1	15.7	8.4
SSW	.0	.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.8
SW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.5	6.4
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.7
W	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.2
WNW	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0
NW	.0	1.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.8
NNW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	9.5
CALM	.1	23.9															
TOTAL	.2	41.1	.3	47.9	.0	1.8	.0	2.1	.0	3.2	.0	2.5	.0	1.4	.1	23.9	6.5

PVD PROVIDENCE, RI
 CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PVD PROVIDENCE, RI

PERIOD: 1948-1978

CLASS 6 / NIGHT

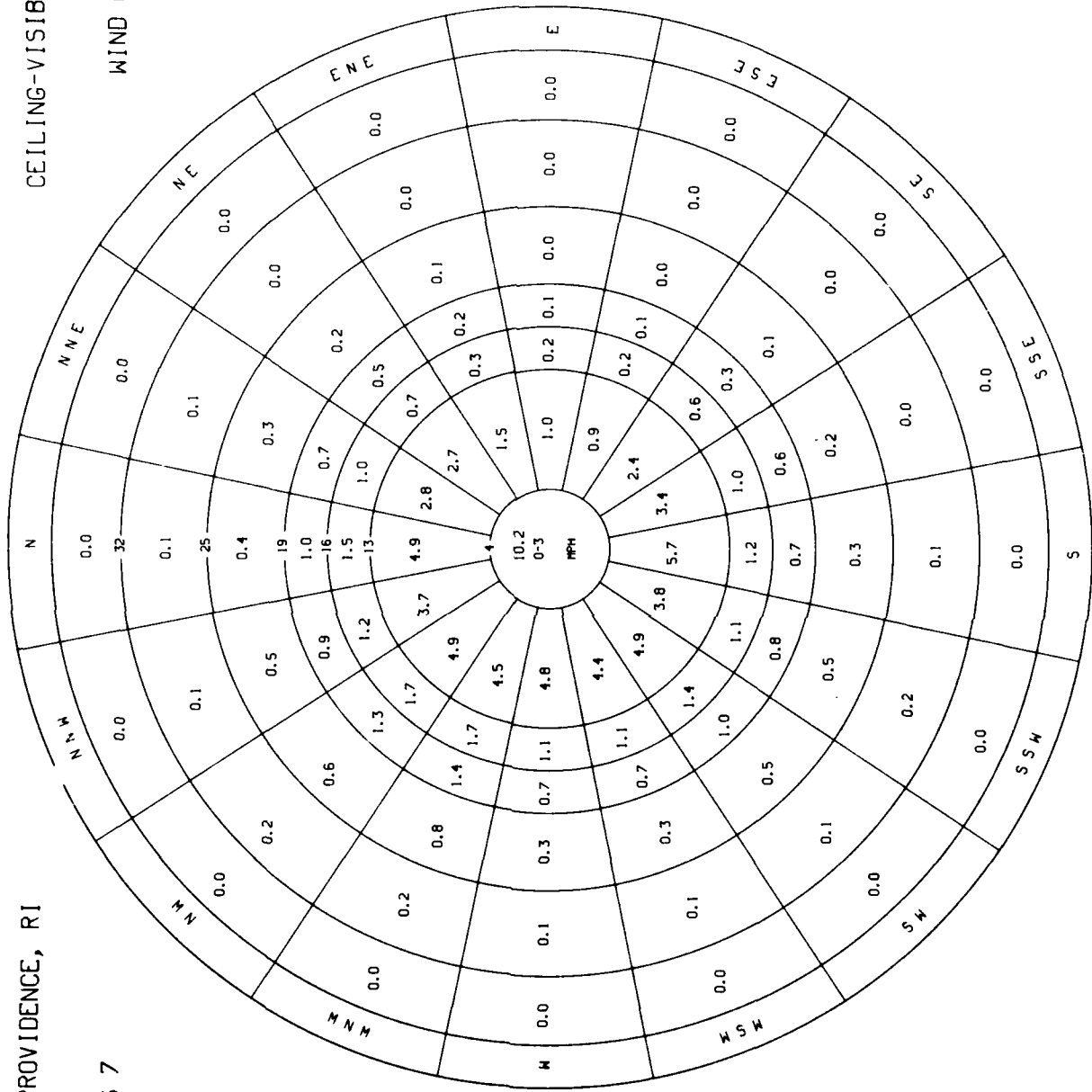
STATION NUMBER: 14765

NO. OBS.: 361

D I R	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	
N	.0	.3	.0	3.3	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0 4.4
NNE	.0	1.4	.0	3.3	.0	.0	.0	.8	.0	.3	.0	.6	.0	.0	.1 6.4
NE	.0	.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ENE	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 1.7
E	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
ESE	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SE	.0	2.2	.1	6.4	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.1 9.4
SSE	.0	3.3	.1	8.6	.0	.6	.0	.3	.0	.3	.0	.0	.0	.0	.1 13.0
S	.0	4.2	.1	10.8	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.1 15.8
SSW	.0	1.7	.0	2.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
SW	.0	2.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
WSW	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
W	.0	.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
WNW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
NW	.0	.6	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
NNW	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0 1.4
CALM	.3	27.7													.3 27.7
TOTAL	.4	46.8	.4	47.1	.0	1.7	.0	1.9	.0	1.7	.0	.8	.0	.0	.9 100
															5.0

CEILING-VISIBILITY

WIND GRAPH

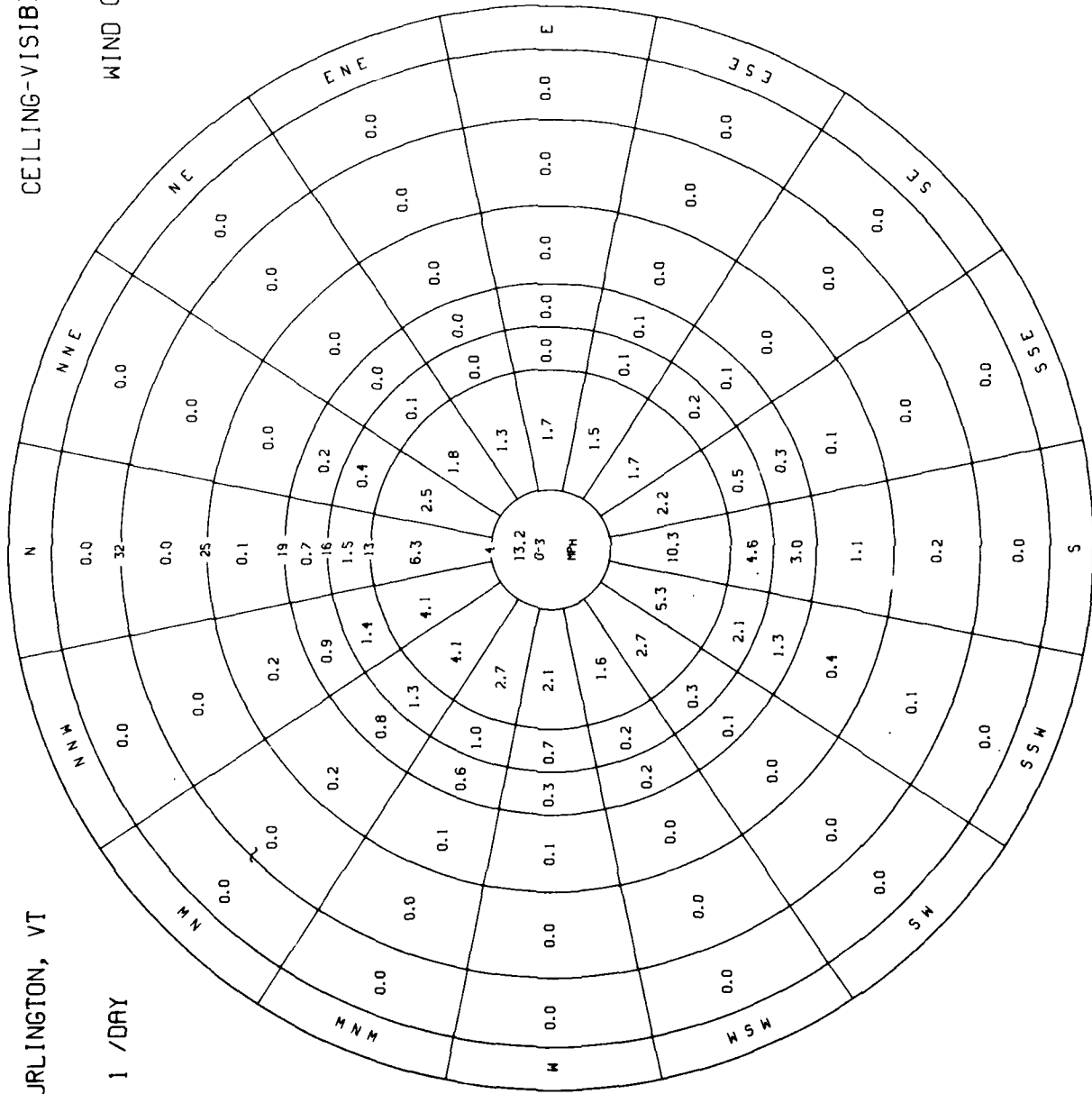


CEILING-VISIBILITY

WIND GRAPH

BTV BURLINGTON, VT

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14742

NO. OBS.: 48189

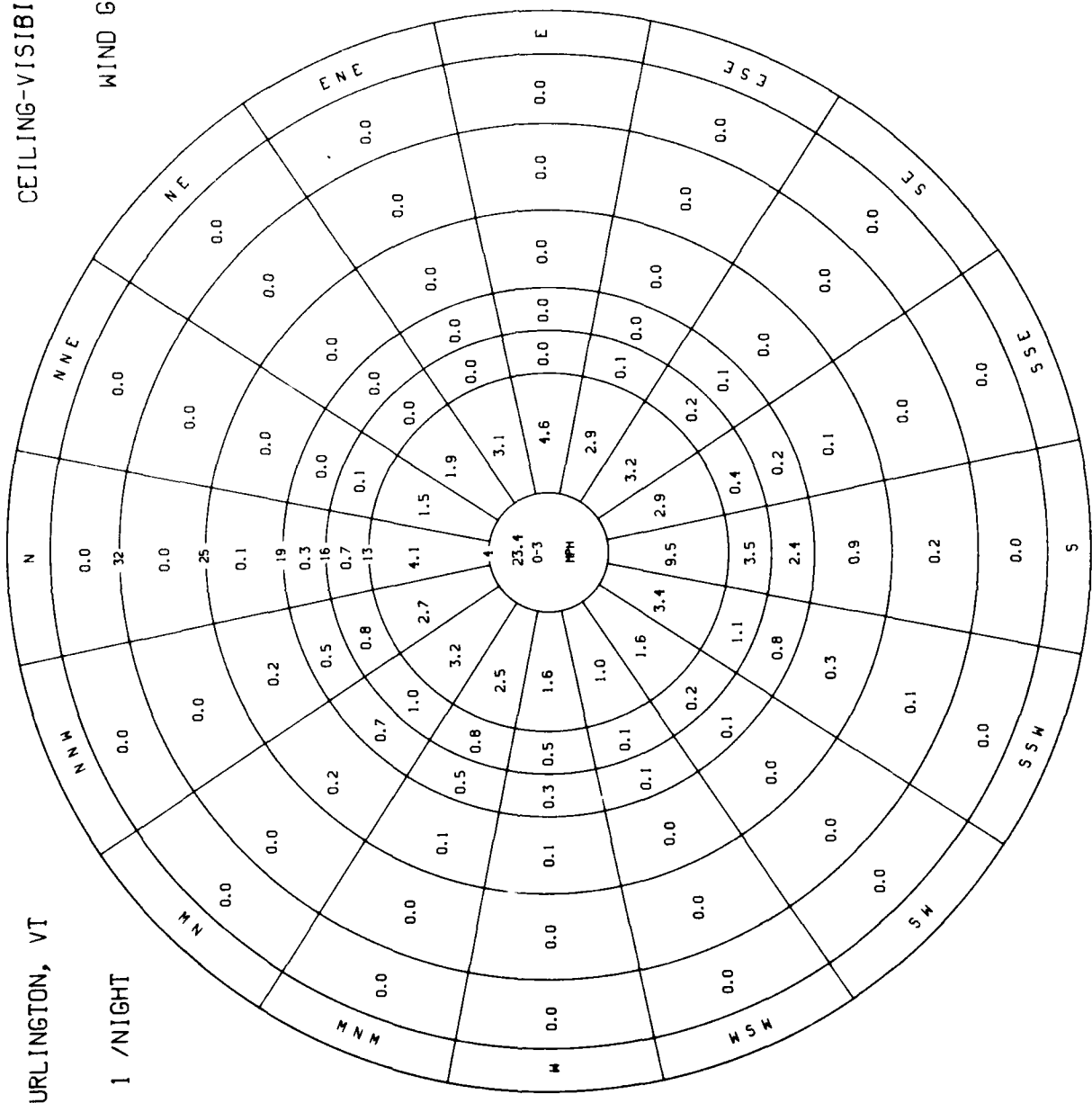
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
															C		D
N	.7	.8	6.3	6.9	1.5	1.7	.7	.8	.1	.2	.0	.0	.0	.0	9.4	10.3	9.7
NNE	.4	.4	2.5	2.8	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	3.5	3.9	8.6
NE	.7	.7	1.8	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	2.8	6.2
ENE	.9	.9	1.3	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.4	4.9
E	1.3	1.5	1.7	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.4	4.8
ESE	.8	.9	1.5	1.6	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.5	2.7	6.2
SE	.7	.8	1.7	1.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.1	7.2
SSE	.5	.6	2.2	2.4	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.6	4.0	9.3
S	.9	1.0	0.3	11.3	4.6	5.1	3.0	3.3	1.1	1.2	.2	.2	.0	.0	20.2	22.1	11.8
SSW	.3	.4	5.3	5.8	2.1	2.3	1.3	1.4	.4	.5	.1	.1	.0	.0	9.5	10.4	11.6
SW	.5	.6	2.7	2.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.6	4.0	8.1
WSW	.3	.3	1.6	1.8	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	2.3	2.5	8.4
W	.4	.4	2.1	2.3	.7	.7	.3	.3	.1	.1	.0	.0	.0	.0	3.5	3.9	9.9
WNW	.3	.4	2.7	2.9	1.0	1.1	.6	.7	.1	.1	.0	.0	.0	.0	4.7	5.2	10.7
NW	.5	.6	4.1	4.5	1.3	1.5	.8	.9	.2	.2	.0	.0	.0	.0	7.0	7.7	10.5
NNW	.4	.4	4.1	4.5	1.4	1.5	.9	1.0	.2	.2	.0	.0	.0	.0	6.9	7.6	10.7
CALM	3.6	3.9													3.6	3.9	
TOTAL	13.2	14.5	52.0	57.0	14.5	15.9	8.5	9.3	2.5	2.7	.4	.4	.0	.0	91.1	100	9.5

CEILING-VISIBILITY

WIND GRAPH

BTV BURLINGTON, VT

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14742

NO. OBS.: 34335

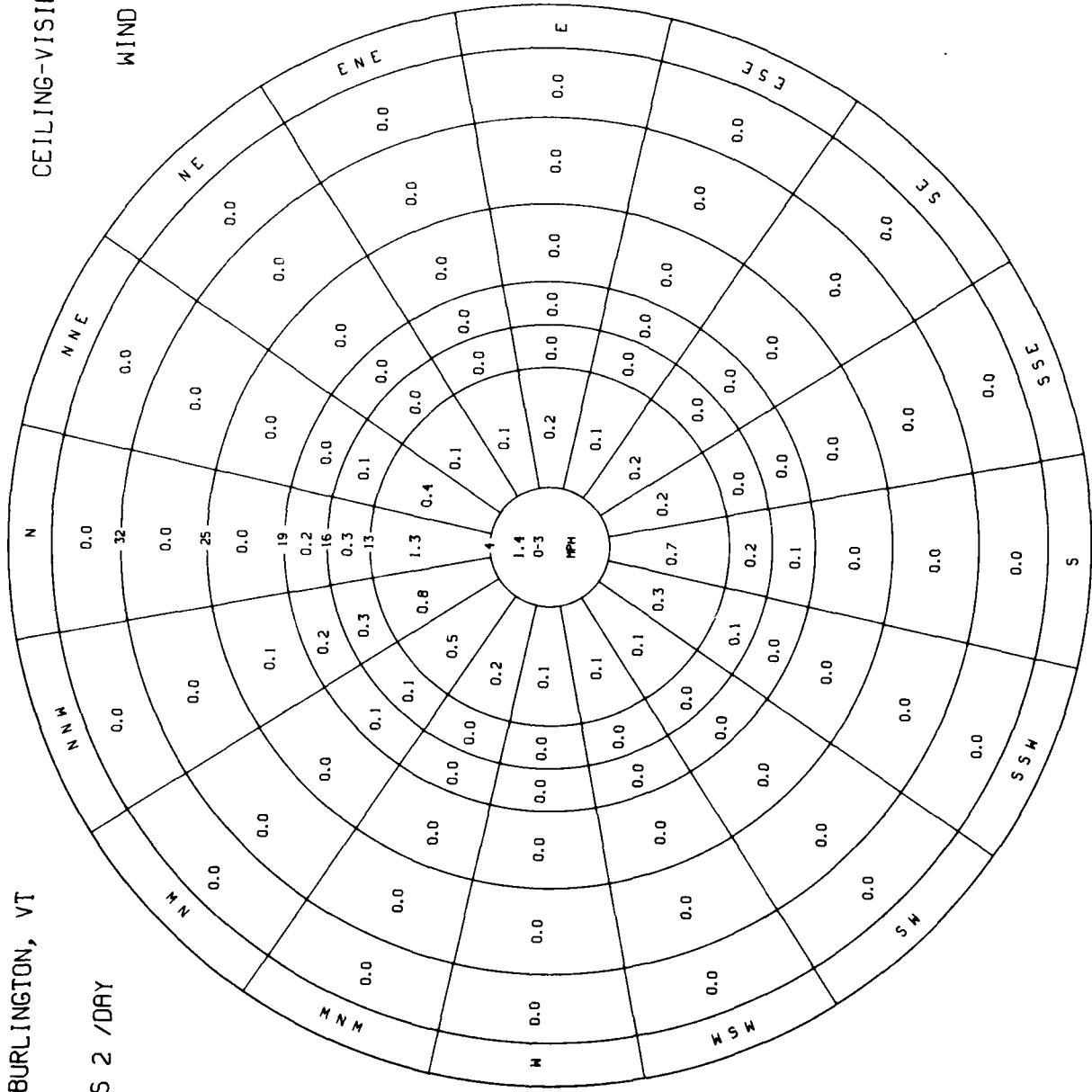
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.7	.8	4.1	4.5	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	6.0	6.6	8.6
NNE	.4	.5	1.5	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.3	6.8
NE	1.0	1.1	1.9	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.2	5.3
ENE	1.8	2.0	3.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.4	4.9
E	3.4	3.7	4.6	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	8.7	4.6
ESE	2.3	2.5	2.9	3.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.3	5.8	4.8
SE	1.8	1.9	3.2	3.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.2	5.8	5.8
SSE	.9	1.0	2.9	3.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.6	5.0	7.9
S	1.3	1.4	9.5	10.5	3.5	3.8	2.4	2.6	.9	1.0	.2	.2	.0	.0	17.8	19.5	11.2
SSW	.4	.4	3.4	3.7	1.1	1.2	.8	.9	.3	.4	.1	.1	.0	.0	6.1	6.7	11.1
SW	.4	.4	1.6	1.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.5	7.6
WSW	.2	.3	1.0	1.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.5	1.6	8.4
W	.3	.3	1.6	1.8	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	2.8	3.1	10.1
WNW	.3	.3	2.5	2.8	.8	.9	.5	.5	.1	.2	.0	.0	.0	.0	4.3	4.7	10.5
NW	.5	.5	3.2	3.5	1.0	1.1	.7	.8	.2	.2	.0	.0	.0	.0	5.6	6.2	10.5
NNW	.4	.5	2.7	2.9	.8	.9	.5	.5	.2	.2	.0	.0	.0	.0	4.6	5.0	10.1
CALM	7.3	8.0													7.3	8.0	
TOTAL	23.4	25.7	49.7	54.6	9.7	10.6	5.9	6.5	2.0	2.2	.4	.4	.0	.0	91.1	100	7.8

BTV BURLINGTON, VT

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 2 / DAY

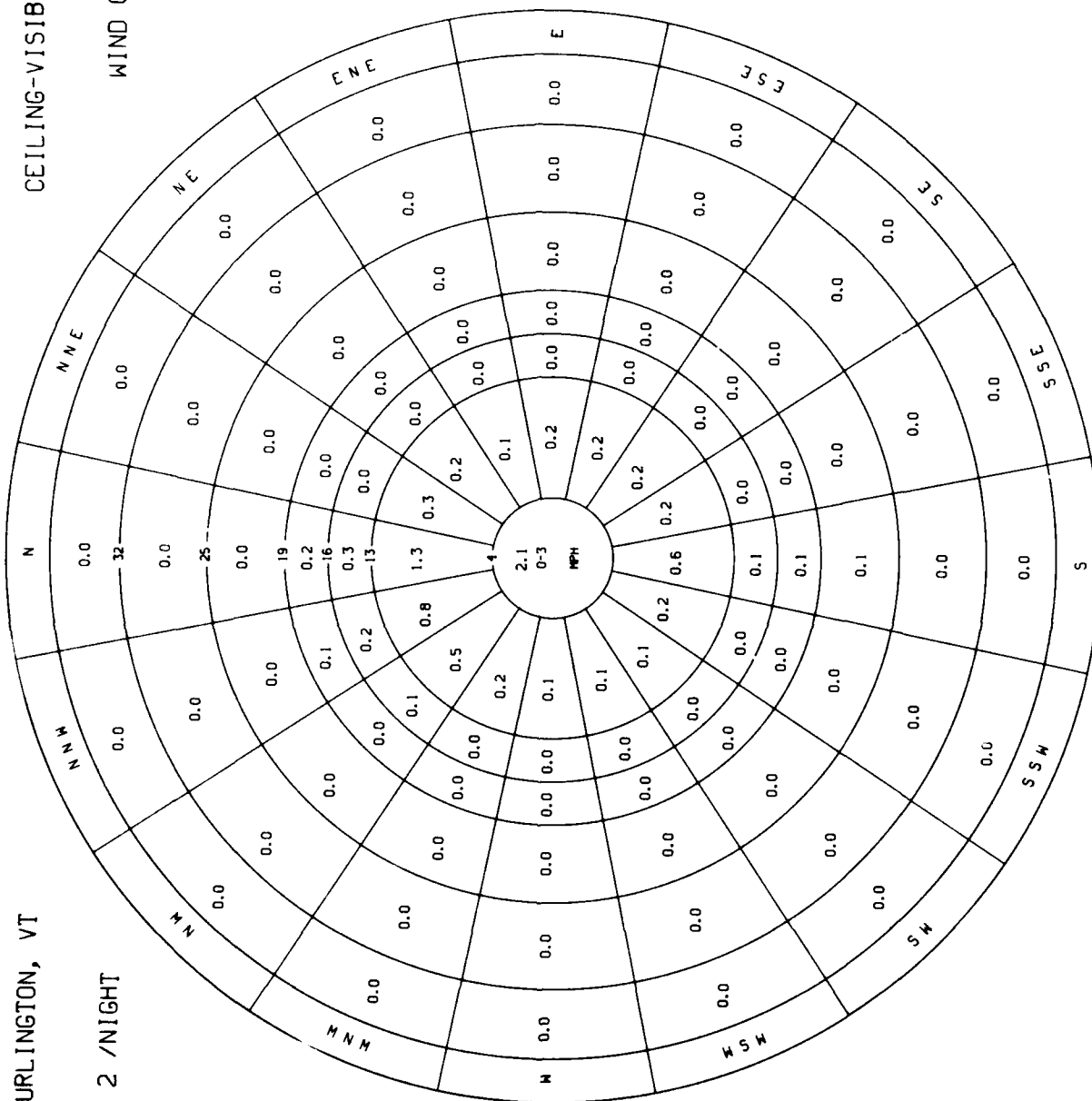
STATION NUMBER: 14742

NO. OBS.: 4691

D I R	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	
N	.1	1.1	1.3	14.8	.3	3.6	.2	1.8	.0	.5	.0	.1	.0	.0	1.9 21.9
NNE	.0	.5	.4	4.2	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.5 5.6
NE	.1	1.0	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.5
ENE	.1	1.0	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.3
E	.1	1.1	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.0
ESE	.1	.7	.1	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.5
SE	.0	.5	.2	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.7
SSE	.0	.4	.2	2.3	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.3 3.4
S	.1	1.1	.7	7.5	.2	2.2	.1	1.6	.0	.4	.0	.1	.0	.0	1.1 13.0
SSW	.0	.5	.3	3.3	.1	.7	.0	.5	.0	.1	.0	.0	.0	.0	.5 5.2
SW	.0	.4	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
WSW	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
W	.0	.6	.1	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.7
WNW	.0	.4	.2	1.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.8
NW	.1	.7	.5	6.0	.1	1.3	.1	.8	.0	.1	.0	.0	.0	.0	.8 8.9
NNW	.1	.8	.8	9.5	.3	3.3	.2	2.1	.1	.6	.0	.0	.0	.0	1.4 16.3
CALM	.5	5.4													.5 5.4
TOTAL	1.4	16.2	5.4	60.9	1.1	12.9	.7	7.7	.2	1.9	.0	.4	.0	.0	8.9 100
															8.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14742

NO. OBS.: 3357

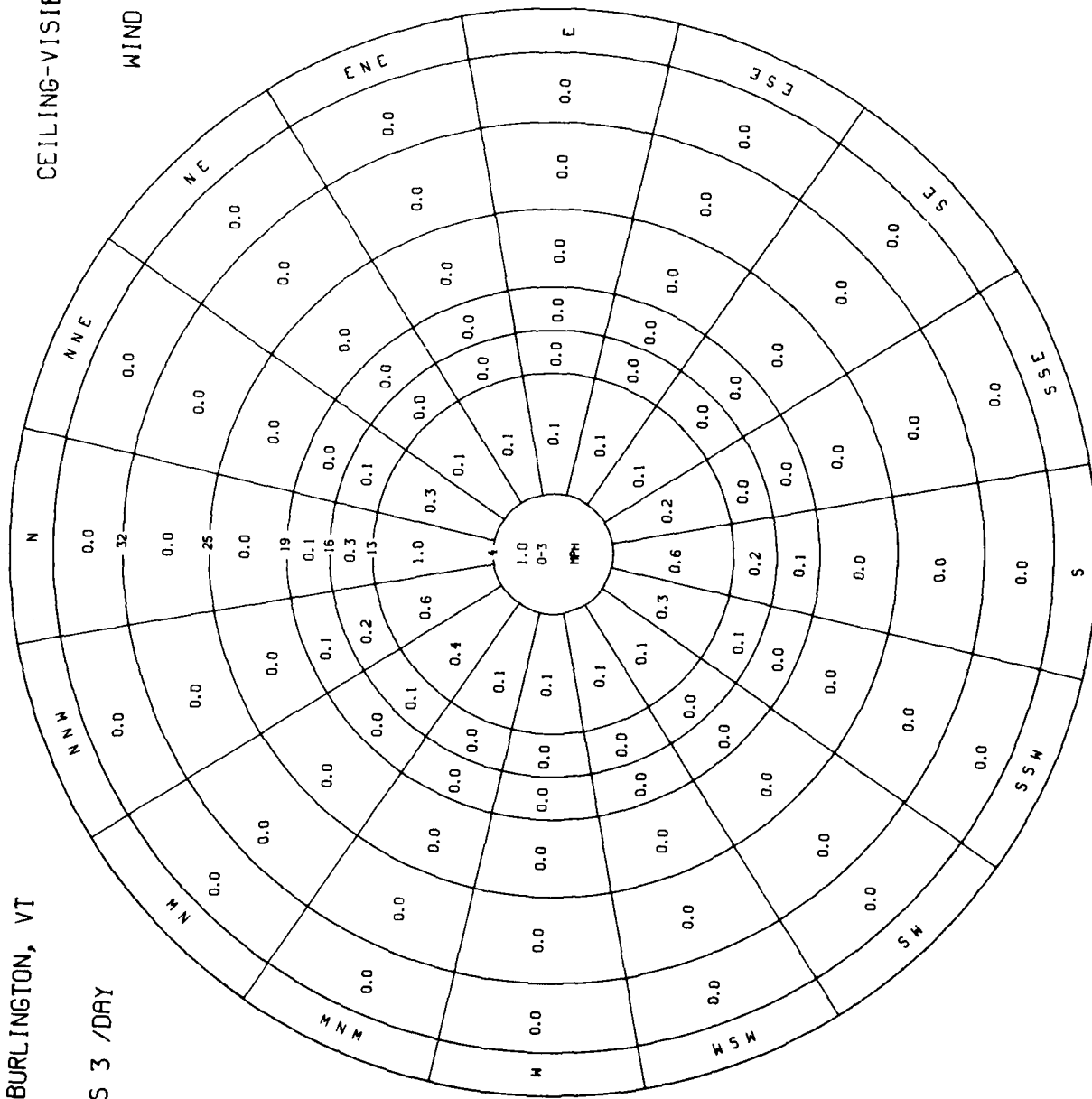
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.2	1.9	1.3	14.9	.3	3.6	.2	1.9	.0	.5	.0	.0	.0	.0	2.0	22.8	9.8
NNE	.1	.8	.3	3.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.4	4.7	7.9
NE	.1	1.2	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9	5.3
ENE	.1	1.5	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.9	4.4
E	.2	1.7	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.5	4.4
ESE	.1	1.2	.2	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.4	6.0
SE	.1	1.3	.2	2.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.8	6.5
SSE	.1	.7	.2	2.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.5	8.1
S	.1	1.1	.6	6.2	.1	1.6	.1	1.2	.1	.7	.0	.1	.0	.1	1.0	10.9	10.7
SSW	.1	.6	.2	2.1	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.6	9.4
SW	.0	.3	.1	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.9	6.6
WSW	.0	.4	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	5.8
W	.0	.4	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	7.0
WNW	.0	.5	.2	2.2	.0	.2	.0	.3	.0	.1	.0	.1	.0	.0	.3	3.4	8.8
NW	.1	1.0	.5	5.7	.1	1.2	.0	.5	.0	.2	.0	.0	.0	.0	.8	8.6	9.2
NNW	.1	.9	.8	8.6	.2	2.3	.1	1.7	.0	.4	.0	.1	.0	.0	1.2	13.9	10.3
CALM	.7	7.7													.7	7.7	
TOTAL	2.1	23.1	5.1	57.5	.9	10.6	.6	6.3	.2	2.1	.0	.3	.0	.1	8.9	100	8.1

BTV BURLINGTON, VT

CLASS 3 / DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 14742

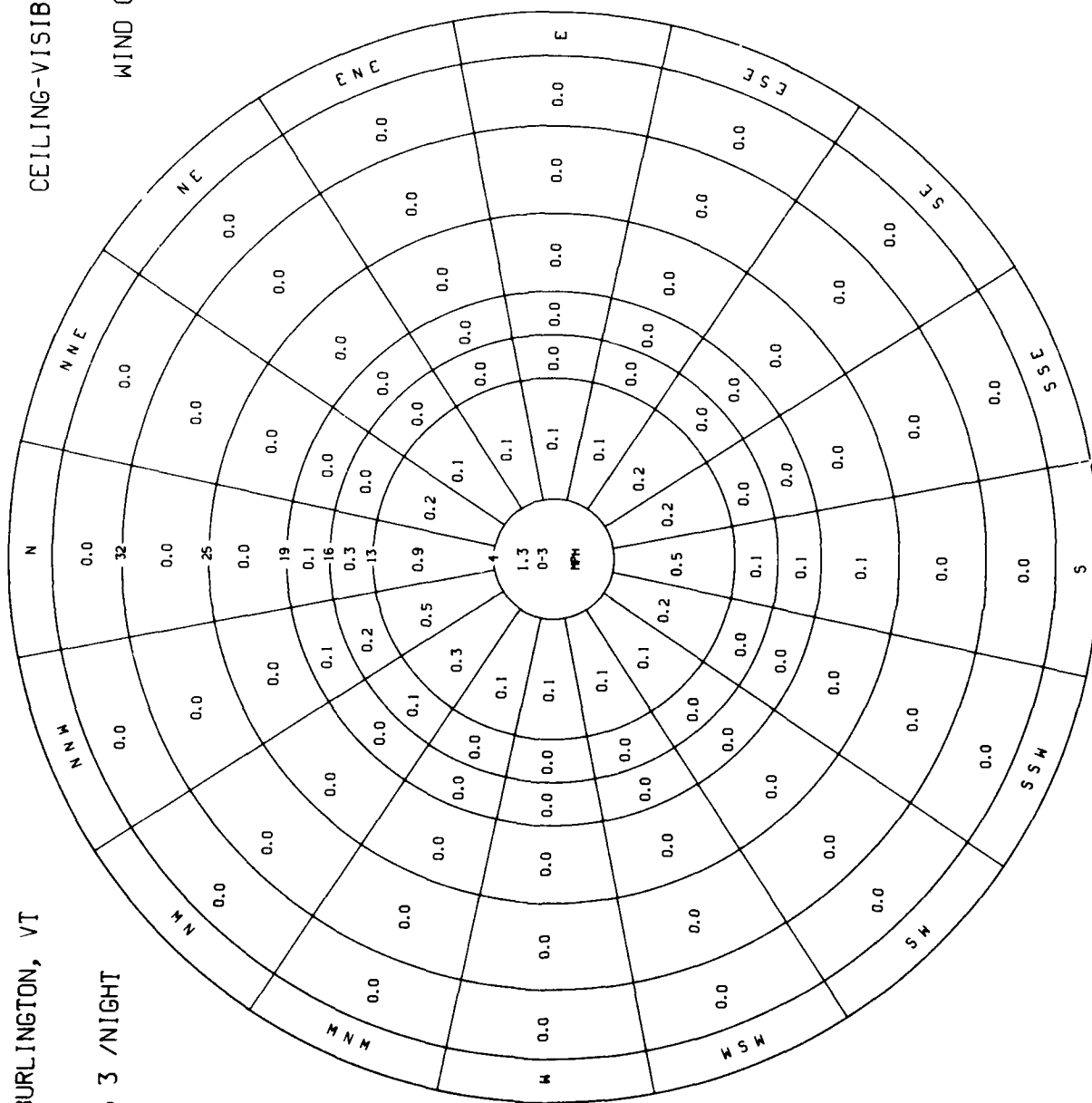
NO. OBS.: 3589

D I R	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	1.0	14.9	.3	3.9	.1	1.6	.0	.4	.0	.1	.0	.0	1.5	21.8	10.0
NNE	.0	.4	.3	4.4	.1	.8	.0	.3	.0	.0	.0	.0	.0	.0	.4	5.9	9.4
NE	.1	.9	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	5.6
ENE	.1	.8	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	5.2
E	.1	.8	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.6	5.3
ESE	.0	.5	.1	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.3	6.7
SE	.0	.3	.1	2.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.6	7.7
SSE	.0	.5	.2	2.6	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.7	8.9
S	.1	1.0	.6	8.9	.2	2.6	.1	1.9	.0	.6	.0	.2	.0	.0	1.0	15.1	10.9
SSW	.0	.4	.3	3.8	.1	.9	.0	.6	.0	.1	.0	.0	.0	.0	.4	5.8	9.8
SW	.0	.4	.1	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.0	7.3
WSW	.0	.3	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	6.4
W	.0	.5	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.7	7.4
WNW	.0	.3	.1	1.8	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.6	8.9
NW	.0	.6	.4	5.6	.1	1.2	.0	.7	.0	.1	.0	.1	.0	.0	.6	8.2	9.7
NNW	.1	.8	.6	8.8	.2	3.1	.1	2.0	.0	.7	.0	.1	.0	.0	1.0	15.4	11.1
CALM	.3	4.8													.3	4.8	
TOTAL	1.0	14.3	4.2	62.0	.9	13.5	.5	7.6	.1	2.0	.0	.5	.0	.0	6.8	100	9.1

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 3 / NIGHT

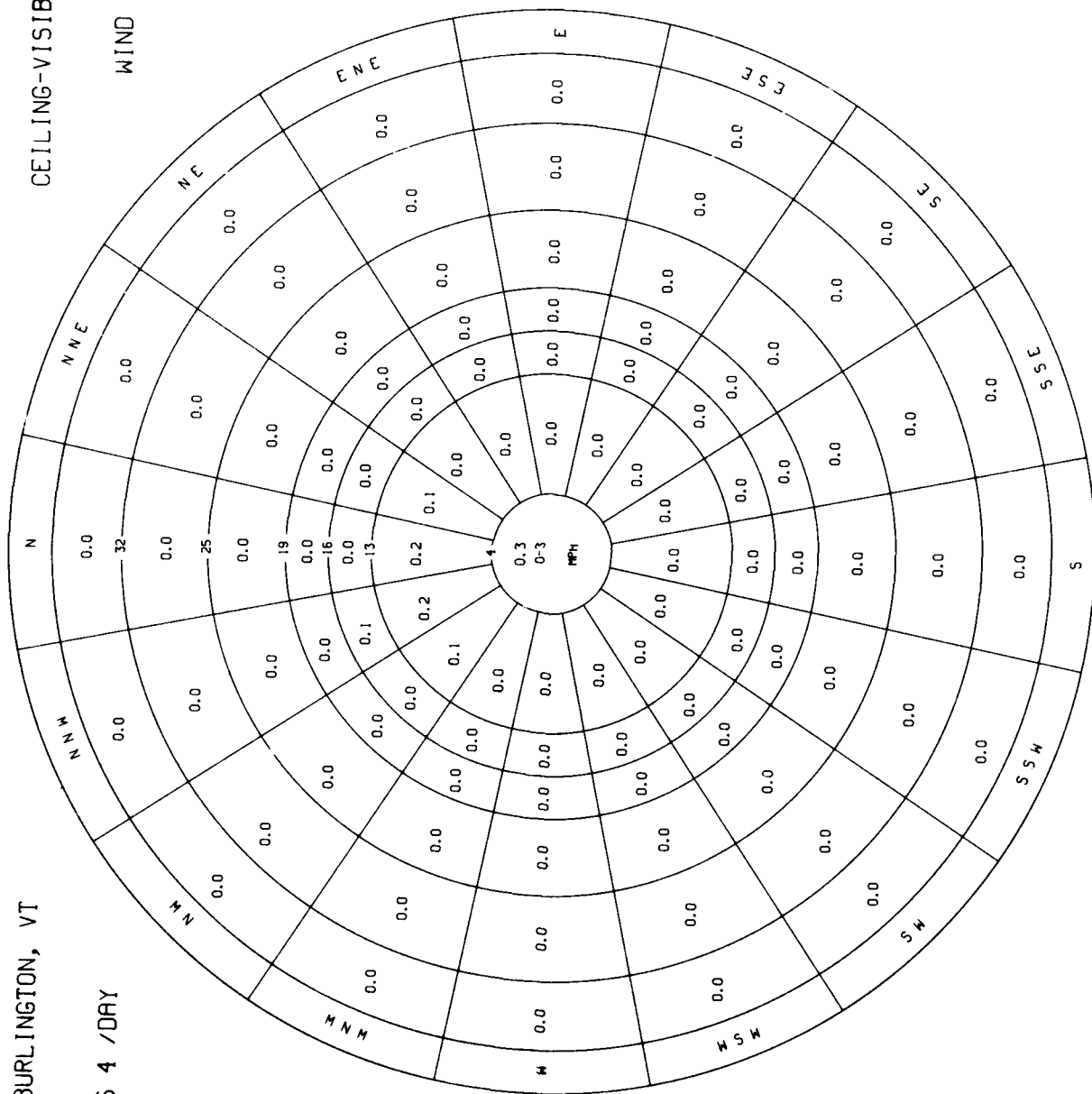
STATION NUMBER: 14742

NO. OBS.: 2435

D I R	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	.9	14.3	.3	4.3	.1	2.0	.0	.5	.0	.0	.0	.0	1.5	22.6	10.2
NNE	.1	.9	.2	3.8	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	5.4	8.0
NE	.1	1.0	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.8	5.7
ENE	.1	1.0	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	4.7
E	.1	1.3	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.9	4.4
ESE	.1	1.1	.1	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	6.0
SE	.1	1.0	.2	2.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.9	6.9
SSE	.1	.8	.2	2.6	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	4.1	8.5
S	.1	.9	.5	7.5	.1	2.0	.1	1.4	.1	.9	.0	.2	.0	.1	.8	13.0	11.2
SSW	.0	.5	.2	2.6	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.3	4.1	10.0
SW	.0	.4	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	6.7
WSW	.0	.4	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	5.8
W	.0	.4	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	7.2
WNW	.0	.4	.1	2.0	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.2	3.1	9.1
NW	.0	.7	.3	4.9	.1	1.4	.0	.6	.0	.2	.0	.0	.0	.0	.5	7.8	9.7
NNW	.0	.7	.5	7.8	.2	2.5	.1	1.8	.0	.5	.0	.0	.0	.0	.9	13.4	10.8
CALM	.4	6.4													.4	6.4	
TOTAL	1.3	19.5	3.8	58.3	.8	12.4	.5	7.0	.2	2.3	.0	.3	.0	.1	6.5	100	8.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 14742

NO. OBS.: 834

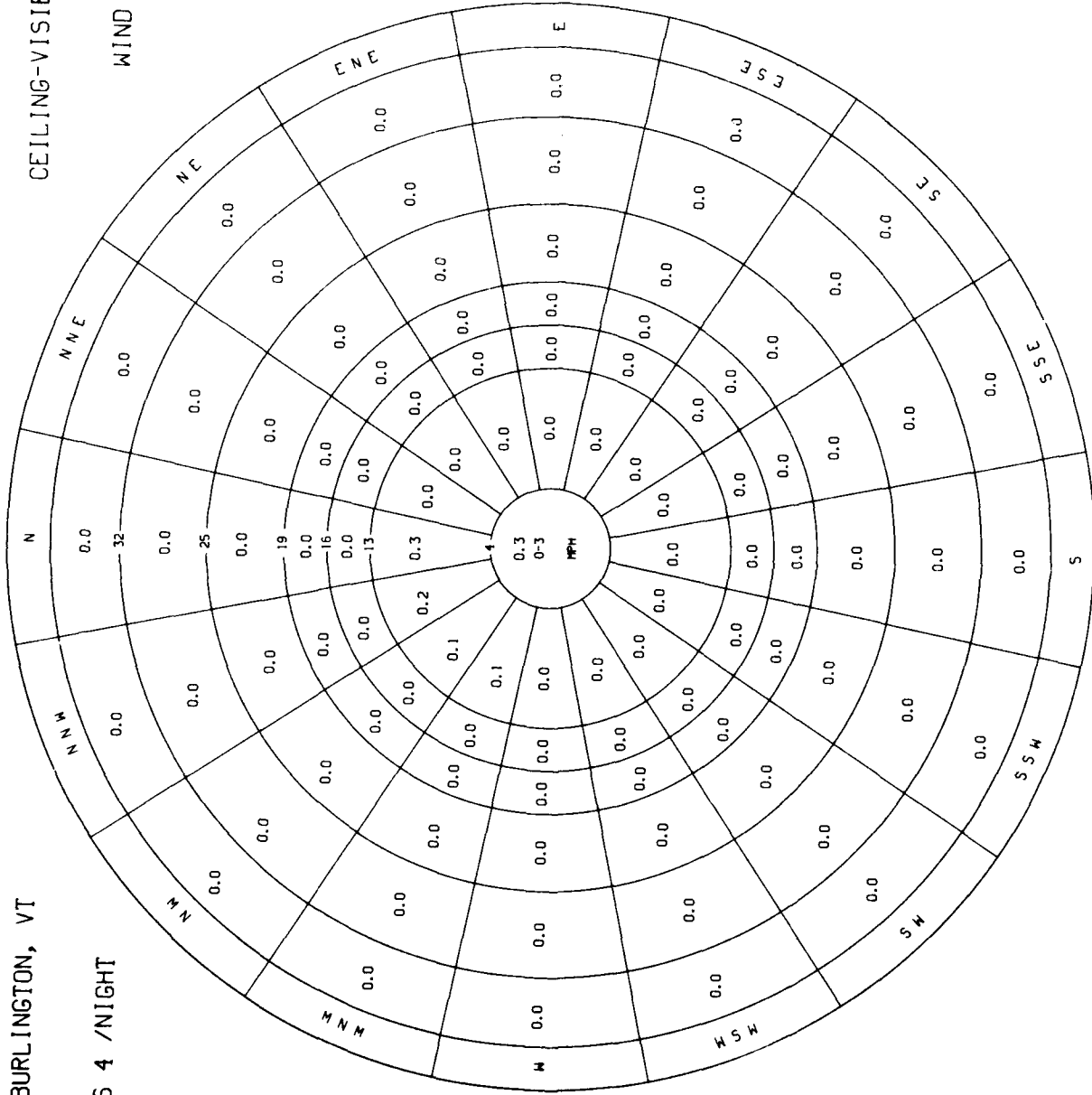
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.8	.2	15.5	.0	3.0	.0	2.3	.0	.8	.0	.1	.0	.0	.4	22.5	10.1
NNE	.0	.7	.1	3.5	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.8	7.6
NNE	.0	1.2	.0	1.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.1	5.3
ENE	.0	1.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.7
E	.0	1.1	.0	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.4
ESE	.0	.6	.0	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	2.2	8.0
SE	.0	1.1	.0	1.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.5
SSE	.0	.4	.0	1.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	2.3	9.0
S	.0	1.7	.0	3.0	.0	1.2	.0	.6	.0	.1	.0	.0	.0	.0	.1	6.6	9.1
SSW	.0	.7	.0	2.2	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.1	3.7	8.4
SW	.0	.4	.0	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.6	6.7
WSW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.7
W	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.9
WNW	.0	.8	.0	2.2	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.1	4.0	8.9
NW	.0	1.0	.1	7.8	.0	1.9	.0	1.2	.0	.1	.0	.0	.0	.0	.2	12.0	9.5
NNW	.0	.6	.2	12.4	.1	4.2	.0	2.6	.0	.4	.0	.0	.0	.0	.3	20.1	10.9
CALM	.1	6.1													.1	6.1	
TOTAL	.3	19.5	.9	57.9	.2	12.5	.1	8.2	.0	1.8	.0	.1	.0	.0	1.6	100	8.5

BTV BURLINGTON, VT

CLASS 4 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 4 / NIGHT

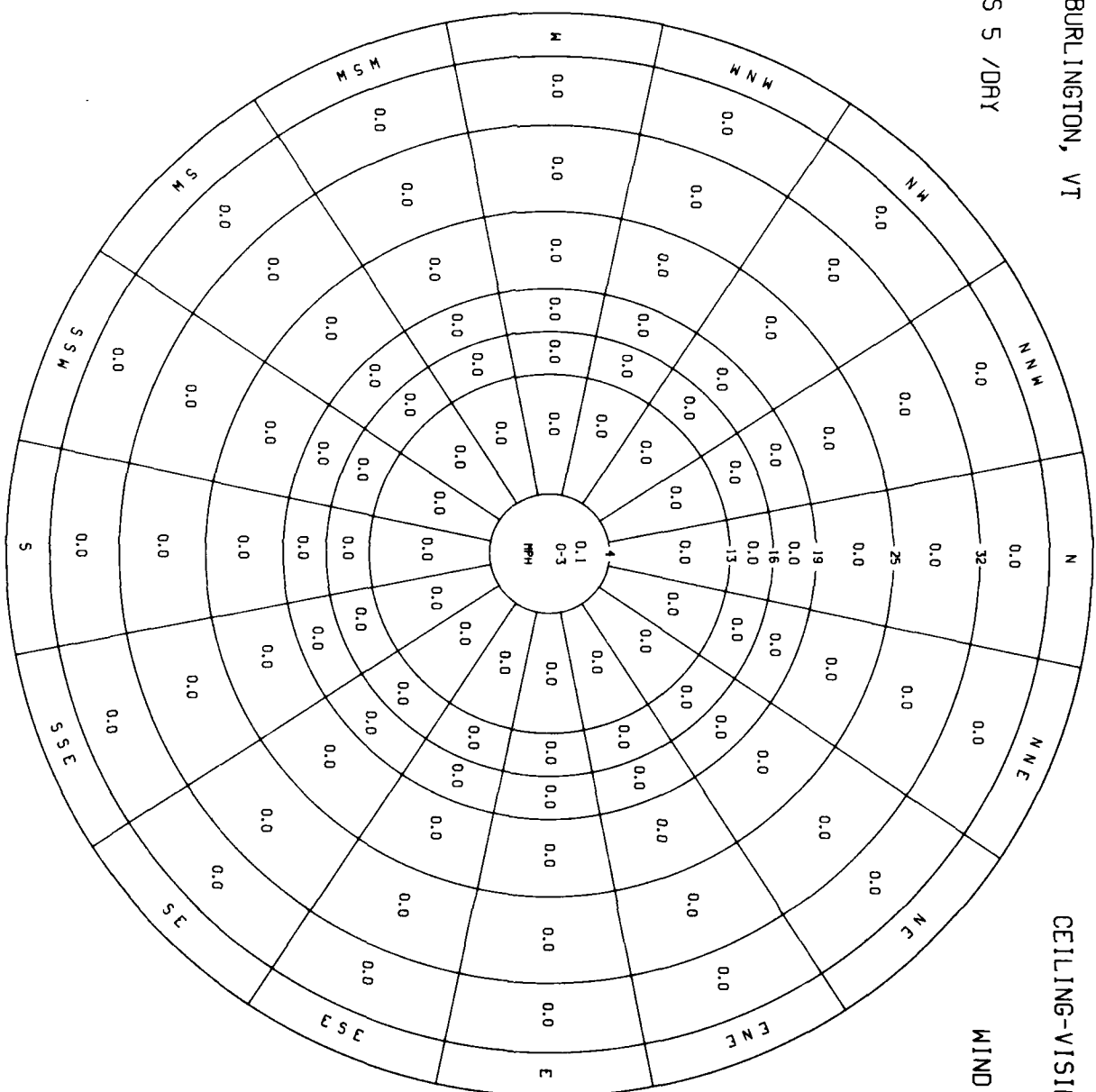
STATION NUMBER: 14742

NO. OBS.: 580

D I R	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	.3	21.6	.0	2.2	.0	2.4	.0	.9	.0	.0	.0	.0	.5	29.5	9.2
NNE	.0	.5	.0	2.6	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.8	8.4
NE	.0	1.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	4.8
ENE	.0	.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
E	.0	1.6	.0	1.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	2.9	5.4
ESE	.0	.9	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	7.6
SE	.0	1.2	.0	.5	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	2.1	6.8
SSE	.0	.3	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.4
S	.0	.9	.0	1.9	.0	.5	.0	.5	.0	.2	.0	.0	.0	.0	.1	4.0	8.8
SSW	.0	.9	.0	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.2	6.5
SW	.0	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.2
WSW	.0	.2	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.2
W	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.8
WNW	.0	.3	.1	3.4	.0	.0	.0	.3	.0	.2	.0	.2	.0	.0	.1	4.5	9.1
NW	.0	1.2	.1	9.3	.0	1.0	.0	.5	.0	.3	.0	.0	.0	.0	.2	12.4	8.8
NNW	.0	1.2	.2	12.4	.0	2.8	.0	1.6	.0	.3	.0	.2	.0	.0	.3	18.4	9.8
CALM	.1	6.9													.1	6.9	
TOTAL	.3	20.9	1.0	62.8	.1	7.9	.1	5.9	.0	2.2	.0	.3	.0	.0	1.5	100	7.9

CEILING-VISIBILITY

MIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 5 / DAY

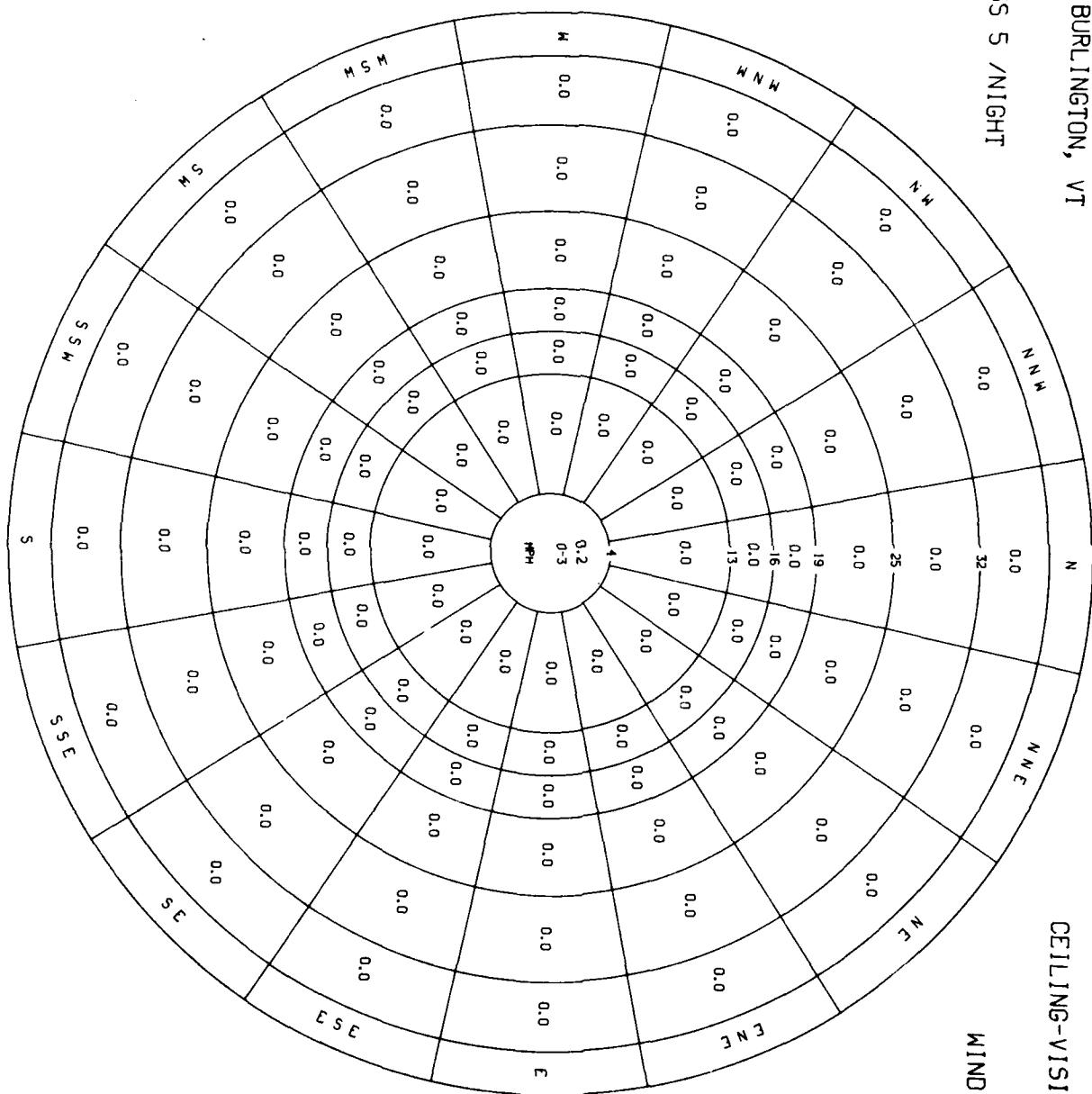
STATION NUMBER: 14742

NO. OBS.: 156

D I R	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		
N	.0	4.5	.0	13.5	.0	3.2	.0	3.8	.0	.0	.0	.0	.0	.0	.1	25.0	9.3
NNE	.0	.6	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	5.6
NE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.3
ENE	.0	2.6	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	4.5
E	.0	4.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	2.7
ESE	.0	1.9	.0	3.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.5
SE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	11.5
SSE	.0	.0	.0	1.9	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	6.4	8.0
S	.0	.6	.0	4.5	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	1.3	4.5
SSW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	12.0
SW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.0
WSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
W	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.0
WNW	.0	.6	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.6
NW	.0	1.3	.0	7.1	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	9.6	10.6
NNW	.0	1.3	.0	10.3	.0	3.2	.0	2.6	.0	.0	.0	.0	.0	.0	.0	8.3	
CALM	.0	8.3													.3	100	7.4
TOTAL	.1	27.6	.2	55.8	.0	8.3	.0	8.3	.0	.0	.0	.0	.0	.0			

BTV BURLINGTON, VT

CLASS 5 / NIGHT



CEILING-VISIBILITY WIND TRBULATIONS

ANNUAL

STATION NAME: BIV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14742

NO. OBS.: 149

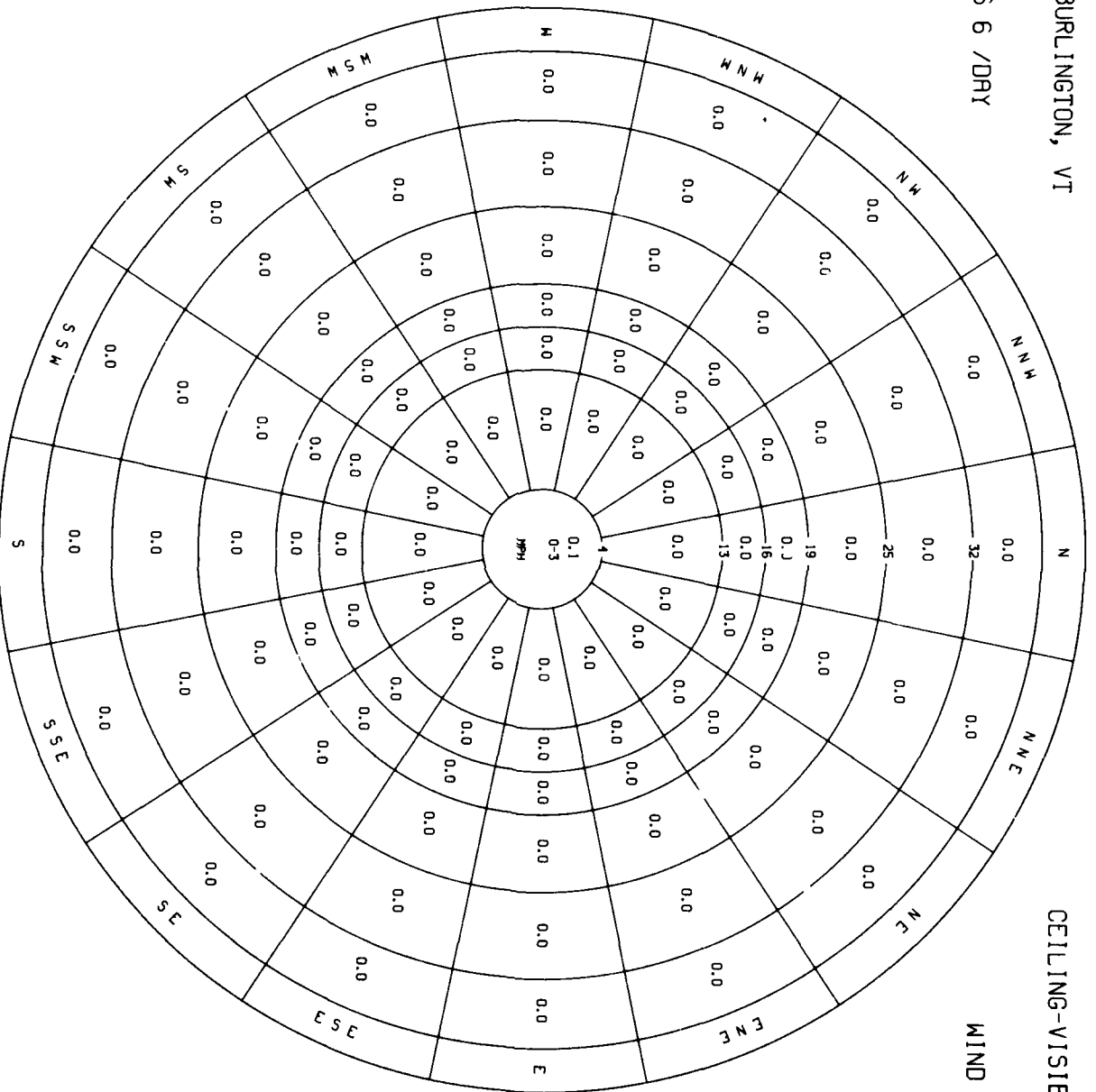
D I R	SPEED GROUPS (MPH)												AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31			32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B		A	B		
N	.0	5.4	.0	10.1	.0	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.1	18.1	7.1
NNE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.5
NE	.0	3.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.6
ENE	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.0
E	.0	4.7	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	4.6
ESE	.0	2.7	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	4.0
SE	.0	1.3	.0	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.8
SSE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0
S	.0	2.7	.0	6.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	10.1	7.8
SSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.5
SW	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	9.0
WNW	.0	1.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.8
NW	.0	2.7	.0	5.4	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	8.7	7.2
NNW	.0	.7	.0	11.4	.0	.7	.0	.7	.0	.7	.0	.0	.0	.0	.0	14.1	8.4
CRIM	.1	13.4													.1	13.4	
TOTAL	.2	45.0	.2	47.7	.0	4.0	.0	2.0	.0	1.3	.0	.0	.0	.0	.4	100	5.5

BTV BURLINGTON, VT

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



ANNUAL

PERIOD: 1948-1978

NO. OBS.: 112

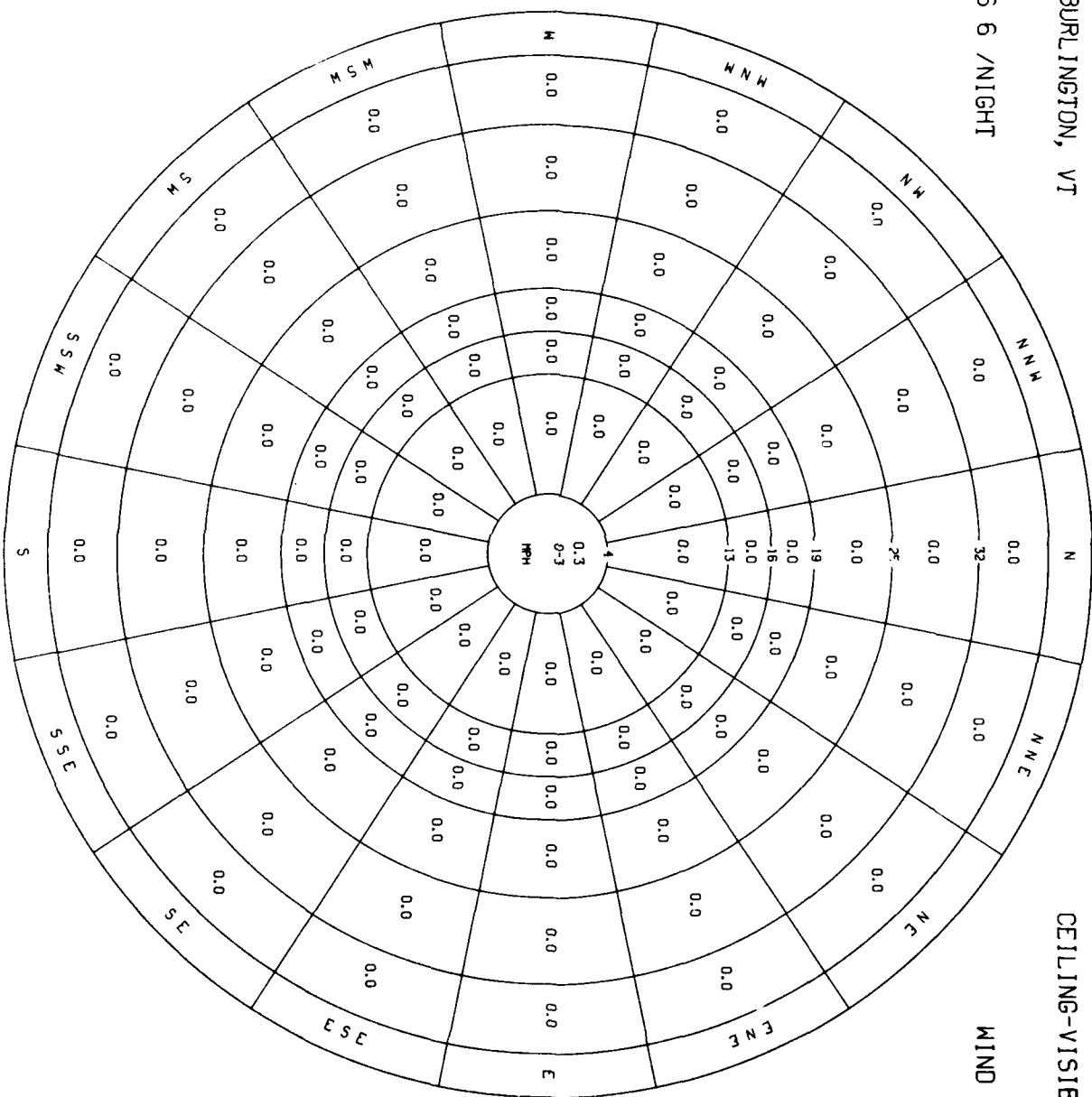
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	C	D					
N	.0	.9	.0	9.8	.0	.0	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	13.4	9.3	
NNE	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	7.8	
NE	.0	3.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	3.0	
ENE	.0	2.7	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	4.2	
E	.0	5.4	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7	4.0	
ESE	.0	3.6	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	4.8	
SE	.0	1.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	5.0	
SSE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.0	
S	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.0	
SSM	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.0	
SM	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.5	
MSM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
M	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.5	
MNM	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.7	
NM	.0	.0	.0	5.4	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	7.1	10.2	
NNM	.0	.9	.0	9.8	.0	3.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	15.2	9.2	
CALM	.0	13.4															13.4		
TOTAL	.1	35.7	.1	55.4	.0	3.6	.0	4.5	.0	.9	.0	.0	.0	.0	.0	.0	2	100	5.8

BIV BURLINGTON, VT

CLASS 6 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BTV BURLINGTON, VT

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14742

NO. OBS.: 193

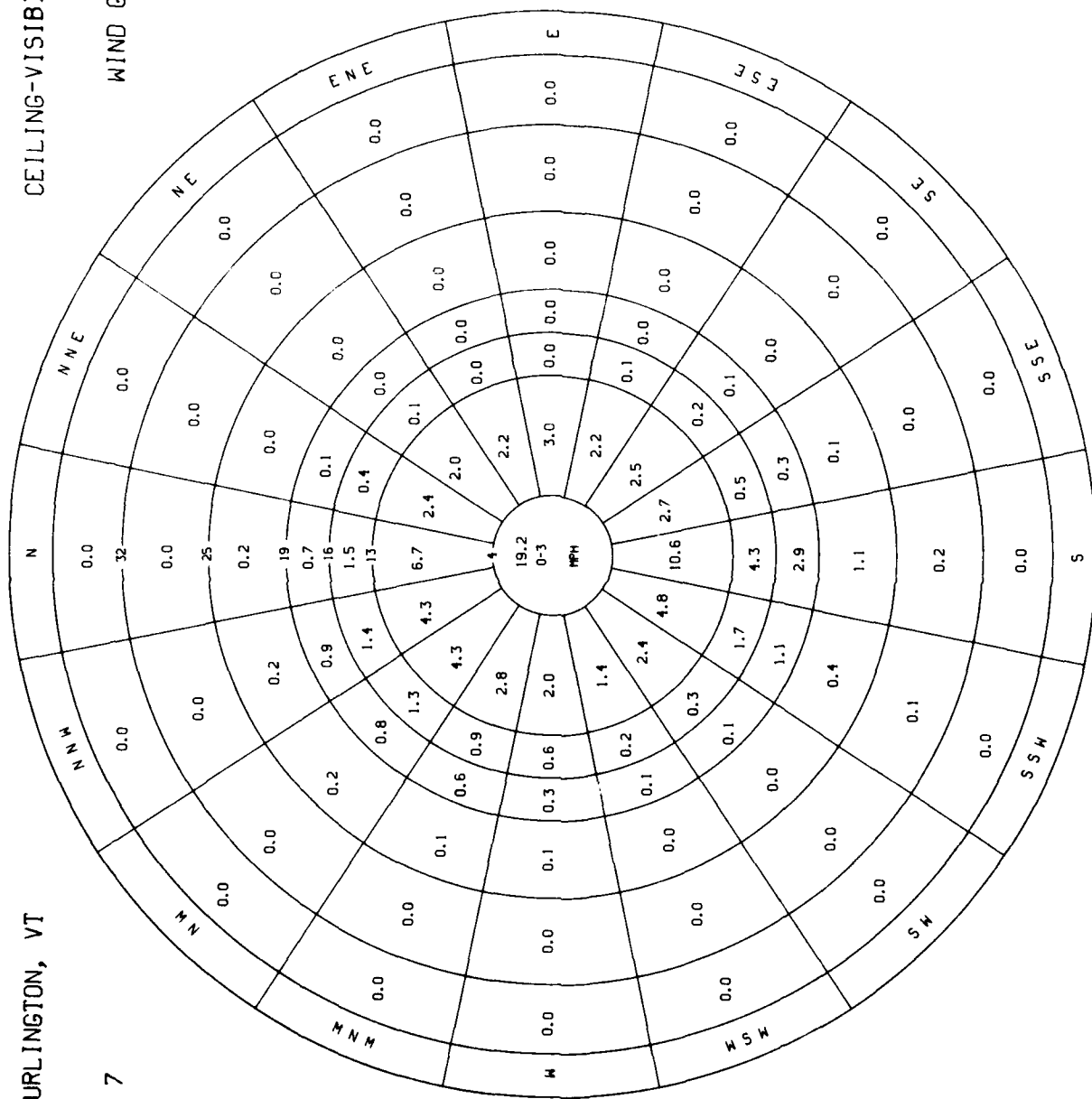
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.6	.0	6.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.8
NNE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NE	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
ENE	.0	7.8	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.4
E	.0	5.2	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.3
ESE	.0	2.1	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.2
SE	.0	4.1	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.7
SSE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
S	.0	3.6	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.7
SSW	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
SW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
WSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
W	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
WNW	.0	1.6	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
NW	.0	2.1	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0 4.1
NNW	.0	2.1	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.8
CALM	.1	21.2					.0	1.0	.0	.0	.0	.0	.0	.0	.0 7.3
TOTAL	.3	57.5	.2	39.4	.0	1.6	.0	1.0	.0	.0	.0	.5	.0	.0	.1 21.2
															.5 100
															4.0

CEILING-VISIBILITY

WIND GRAPH

BTV BURLINGTON, VT

CLASS 7



DATE
FILME
— 8