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NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME 1--ETC(U)

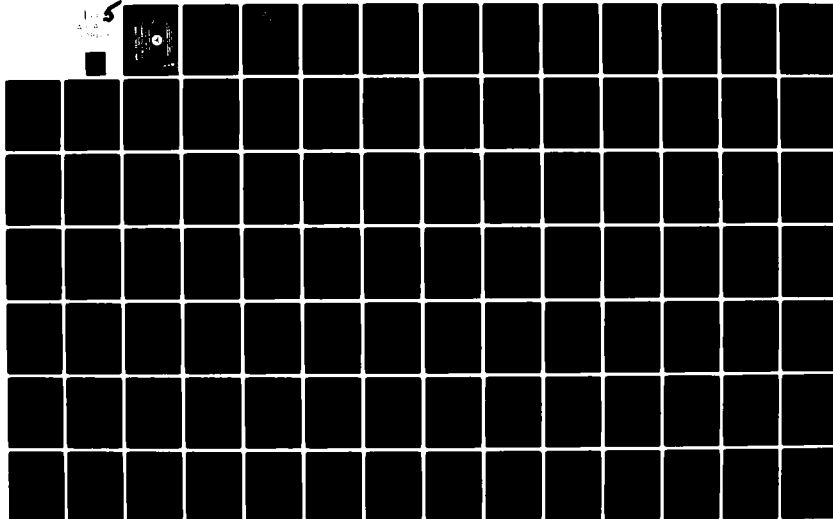
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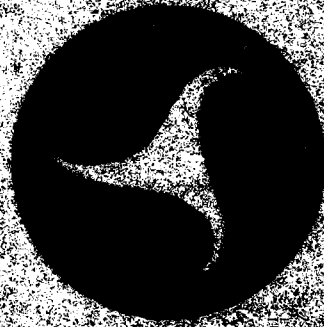


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LEVEL
WIND - CEILING - VISIBILITY
DATA
AT SELECTED AIRPORTS

VOLUME IV PART B
GREAT LAKES REGION



NOV 1961

DEPARTMENT OF TRANSPORTATION
OFFICE OF AIRPORTS
COMMUNICATIONS DIVISION
COMMUNICATIONS SECTION

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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 precision 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	
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WIND-CEILING-VISIBILITY
DATA
AT SELECTED AIRPORTS

March 1981

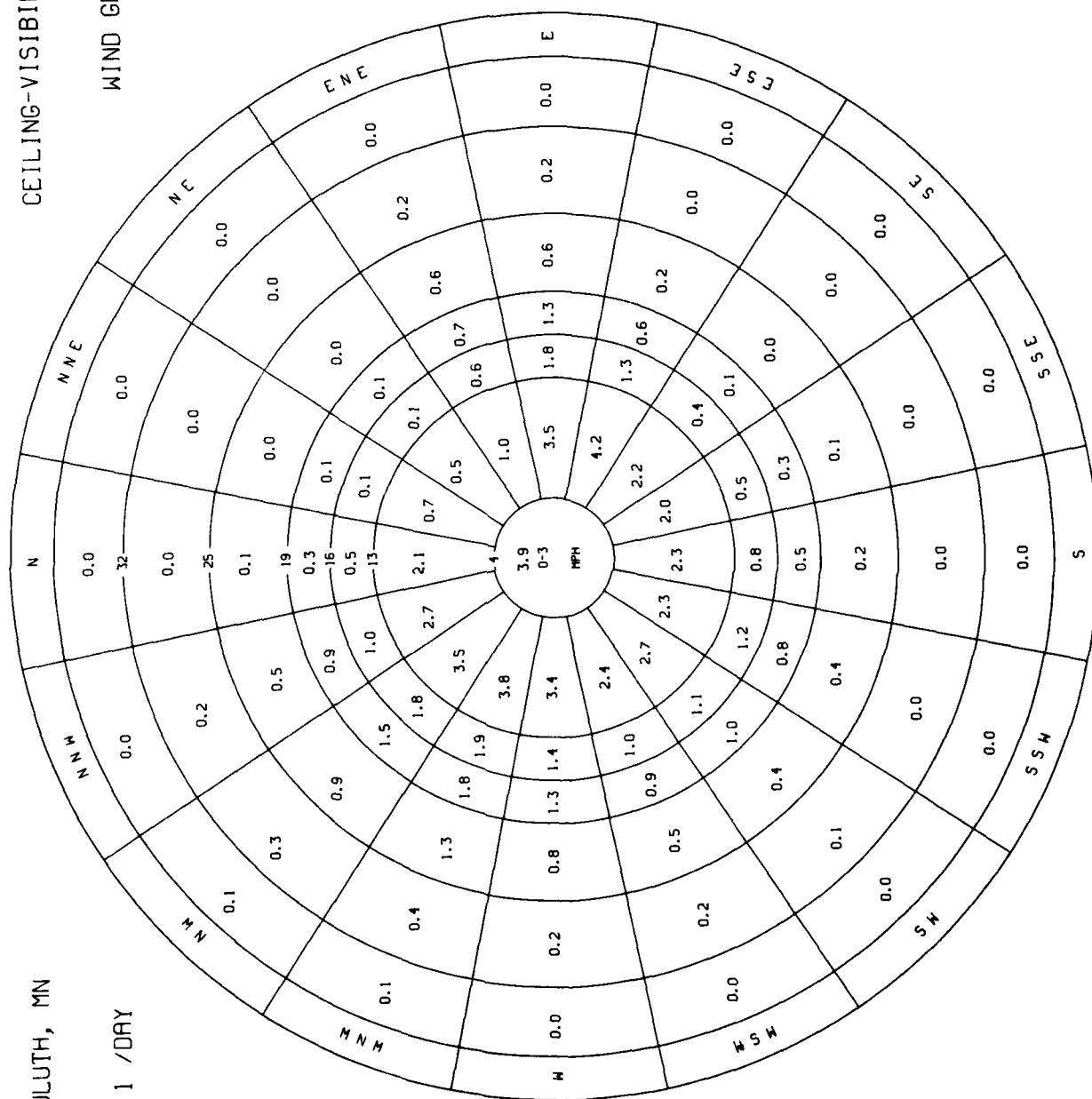
This report has been prepared by the U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service, National Climatic Center, Asheville, North Carolina for the Office of Aviation Policy and Plans, Federal Aviation Administration under Interagency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

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DLH DULUTH, MN

CLASS 1 / DAY



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14913

NO. OBS.: 39202

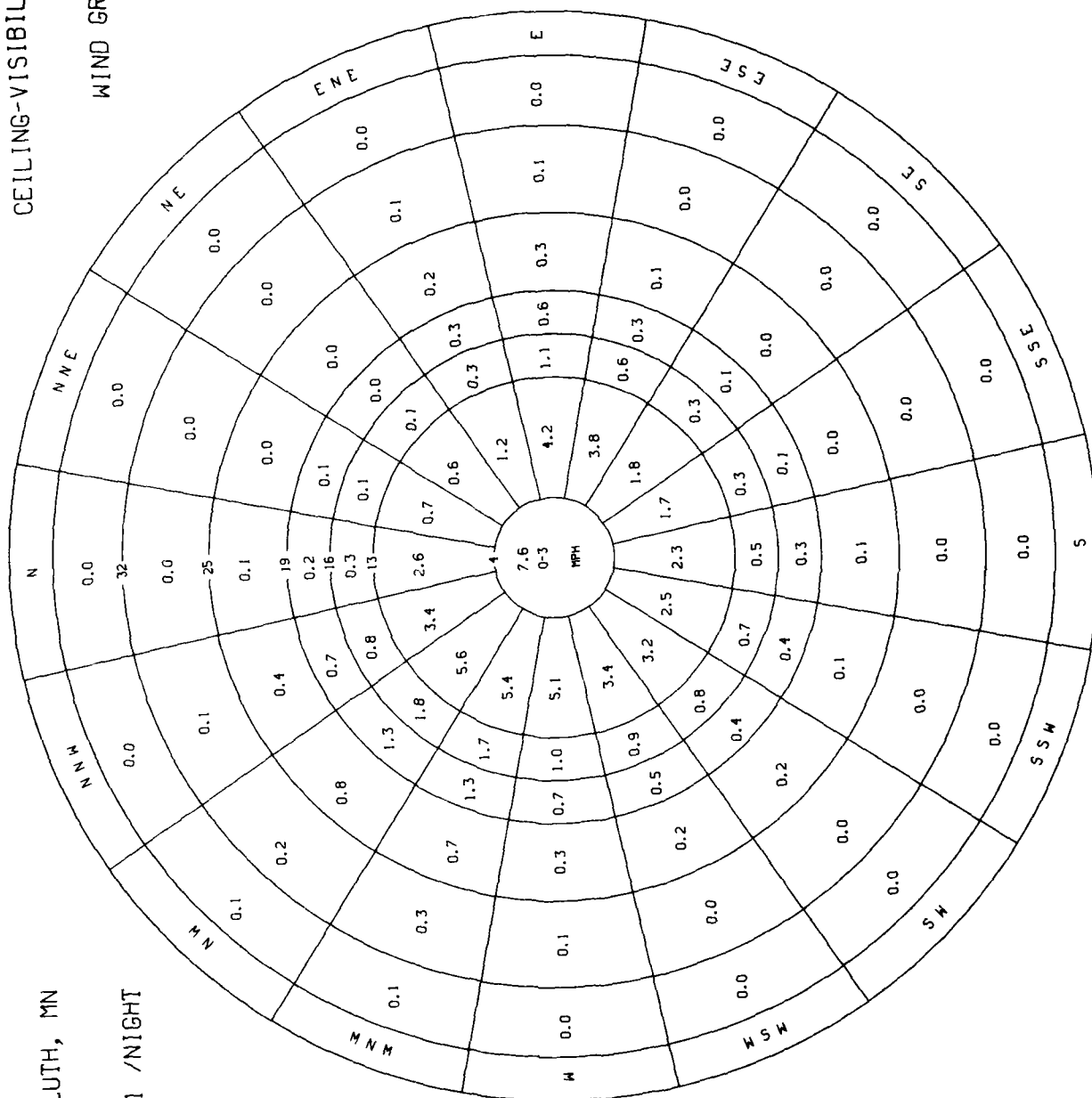
Accession For	WIS GRAT	Unannounced	Justification	By	Distribution/	Availability Codes	Dist
☒	☐	☐	☐				

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	.2	.3	2.1	2.7	.5	.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	10.3			
NNE	.1	.1	.7	.8	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	9.7			
NE	.1	.1	.5	.6	.1	.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.8	1.0	10.2			
ENE	.1	.1	1.0	1.3	.6	.7	.7	.9	.6	.7	.2	.3	.0	.1	3.2	4.0	15.3				
E	.2	.2	3.5	4.3	1.8	2.3	1.3	1.6	.6	.8	.2	.2	.0	.1	7.6	9.5	13.1				
ESE	.2	.2	4.2	5.3	1.3	1.7	.6	.7	.2	.2	.0	.0	.0	.0	6.5	8.1	10.8				
SE	.1	.2	2.2	2.7	.4	.6	.1	.2	.0	.0	.0	.0	.0	.0	2.9	3.7	9.6				
SSE	.1	.1	2.0	2.5	.5	.6	.3	.4	.1	.1	.0	.0	.0	.0	3.0	3.8	10.5				
S	.1	.2	2.3	2.9	.8	1.0	.5	.6	.2	.2	.0	.0	.0	.0	4.0	5.0	11.4				
SSW	.1	.1	2.3	2.8	1.2	1.4	.8	1.0	.4	.5	.0	.0	.0	.0	4.7	5.9	12.6				
SW	.1	.2	2.7	3.3	1.1	1.4	1.0	1.2	.4	.5	.1	.1	.0	.0	5.4	6.7	12.5				
WSW	.1	.1	2.4	3.0	1.0	1.3	.9	1.1	.5	.7	.2	.2	.0	.0	5.2	6.5	13.3				
W	.2	.2	3.4	4.3	1.4	1.8	1.3	1.7	.8	.9	.2	.3	.0	.0	7.4	9.2	13.1				
WNW	.2	.2	3.8	4.8	1.9	2.4	1.8	2.2	1.3	1.7	.4	.6	.1	.1	9.6	12.0	14.1				
NW	.2	.3	3.5	4.4	1.8	2.3	1.5	1.9	.9	1.1	.3	.4	.1	.1	8.3	10.4	13.5				
NNW	.2	.3	2.7	3.4	1.0	1.2	.9	1.1	.5	.6	.2	.2	.0	.0	5.5	6.8	12.6				
CALM	1.6	2.0													1.6	2.0					
TOTAL	3.9	4.9	39.3	49.2	15.6	19.5	12.2	15.3	6.6	8.2	1.9	2.4	.4	.5	79.9	100	12.3				

WIND GRAPH

DLH DULUTH, MN

CLASS 1 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DLH DULUTH, MN

CLASS 1 / NIGHT

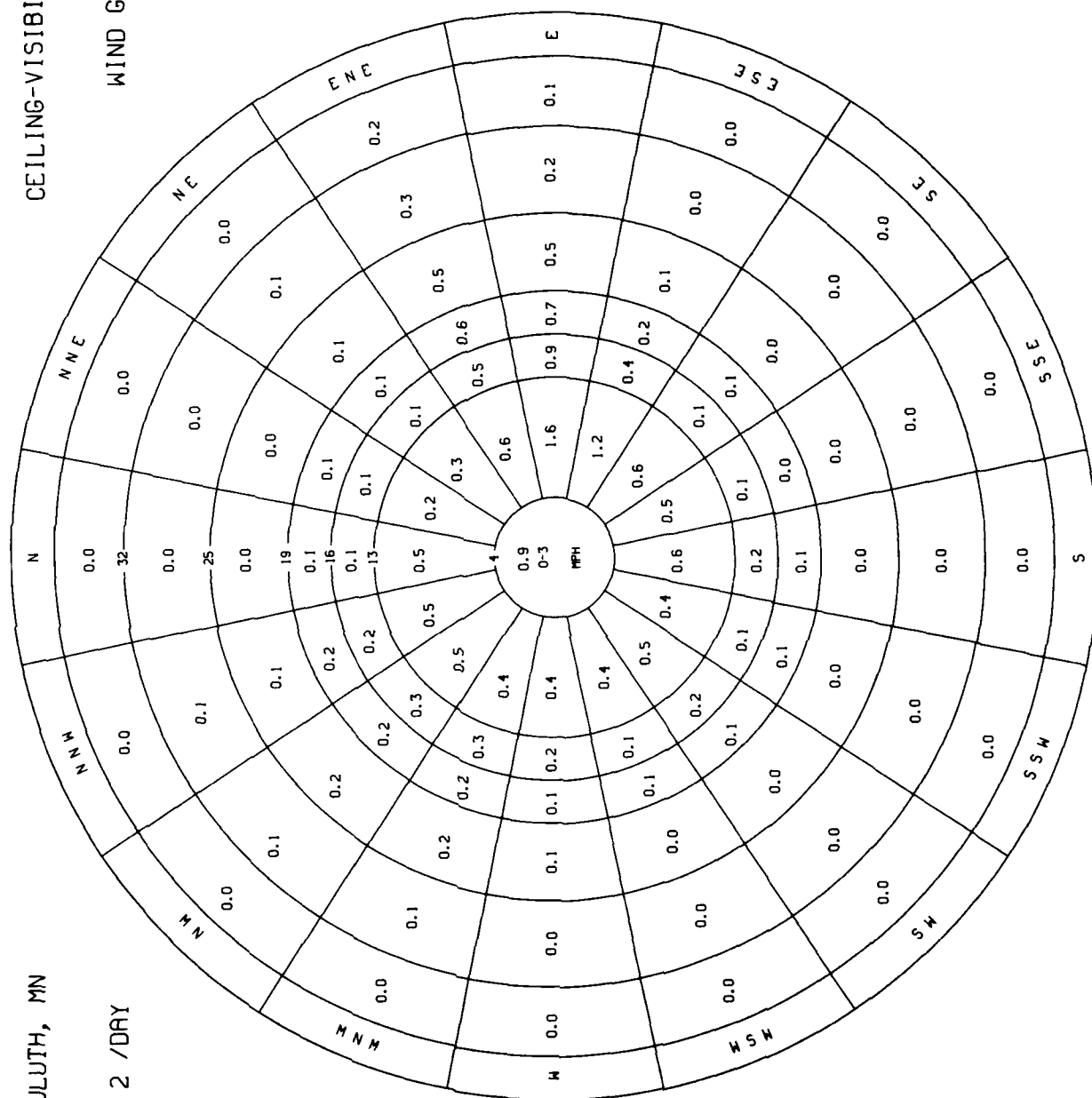
NO. OBS.: 32540

STATION NUMBER: 14913

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	2.6	3.3	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.4	4.4	8.6
NNE	.2	.2	.7	1.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.1	1.5	8.7
NE	.2	.2	.6	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	8.2
ENE	.2	.2	1.2	1.6	.3	.4	.3	.3	.2	.3	.1	.2	.0	.0	2.3	3.0	12.1
E	.4	.5	4.2	5.3	1.1	1.4	.6	.8	.3	.4	.1	.1	.0	.0	6.6	8.5	10.7
ESE	.3	.3	3.8	4.8	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	5.0	6.4	9.4
SE	.3	.4	1.8	2.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.5	3.1	8.4
SSE	.2	.2	1.7	2.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.3	3.0	9.0
S	.2	.3	2.3	3.0	.5	.7	.3	.3	.1	.1	.0	.0	.0	.0	3.5	4.4	10.0
SSW	.2	.2	2.5	3.2	.7	.9	.4	.5	.1	.2	.0	.0	.0	.0	3.9	4.9	10.7
SW	.2	.3	3.2	4.1	.8	1.1	.4	.5	.2	.2	.0	.0	.0	.0	4.8	6.1	10.5
WSW	.2	.2	3.4	4.4	.9	1.1	.5	.6	.2	.2	.0	.0	.0	.0	5.2	6.6	10.5
W	.3	.4	5.1	6.5	1.0	1.3	.7	.9	.3	.4	.1	.2	.0	.0	7.6	9.7	10.4
WNW	.3	.4	5.4	6.9	1.7	2.1	1.3	1.6	.7	1.0	.3	.3	.1	.1	9.7	12.4	12.0
NW	.5	.6	5.6	7.1	1.8	2.3	1.3	1.6	.8	1.1	.2	.3	.1	.1	10.3	13.1	11.8
NNW	.3	.4	3.4	4.3	.8	1.1	.7	.9	.4	.5	.1	.1	.0	.0	5.7	7.3	11.2
CALM	3.5	4.5													3.5	4.5	
TOTAL	7.6	9.6	47.6	60.7	11.2	14.3	7.0	9.0	3.7	4.7	1.1	1.4	.2	.3	78.4	100	10.2

DLH DULUTH, MN

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 2 / DAY

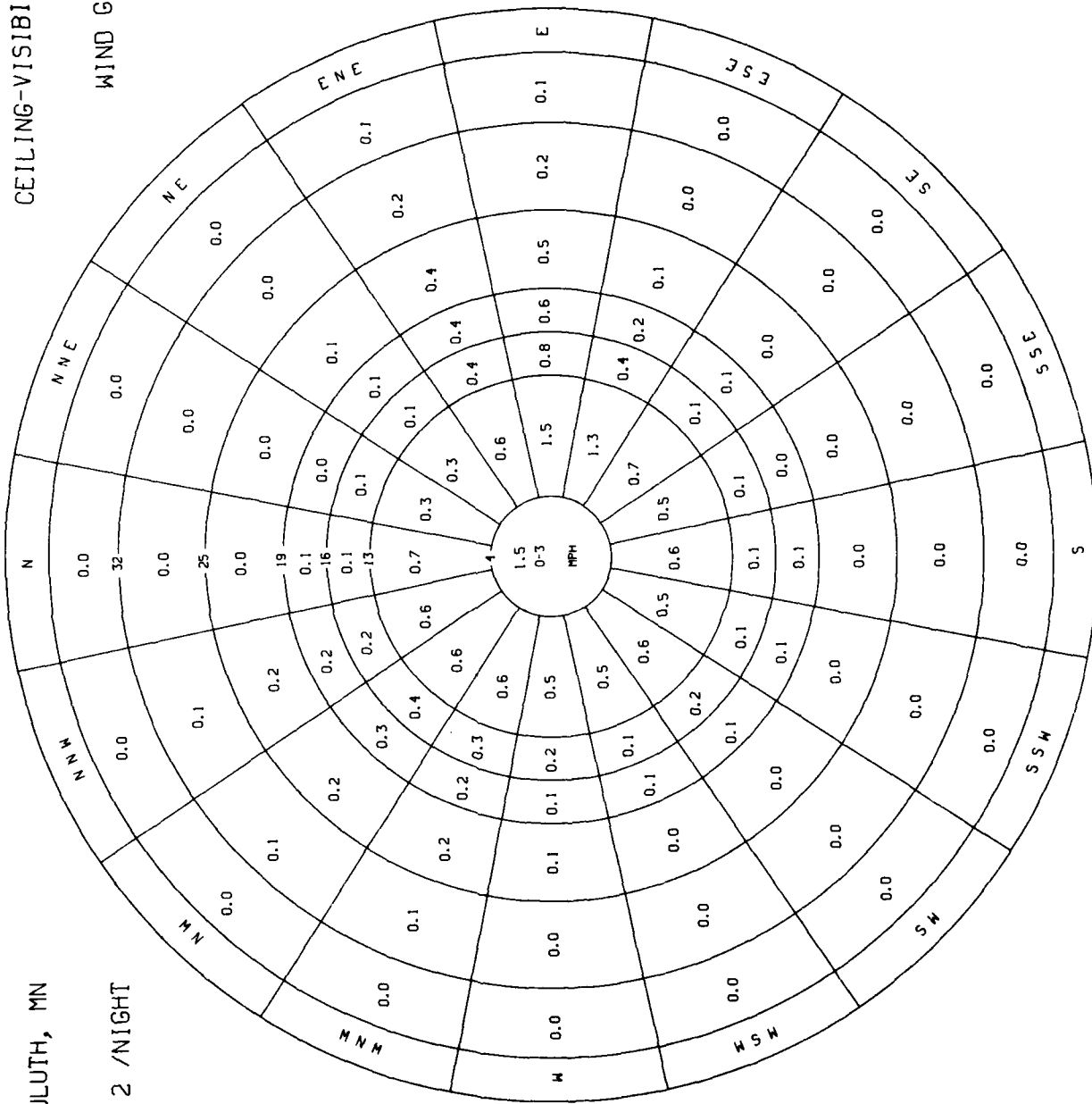
STATION NUMBER: 14913

NO. OBS.: 9861

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	.5	2.5	.1	.7	.1	.4	.0	.2	.0	.1	.0	.0	.8	4.1	10.9
NNE	.0	.1	.2	1.2	.1	.3	.1	.4	.0	.2	.0	.1	.0	.0	.5	2.2	11.8
NNE	.0	.1	.3	1.3	.1	.6	.1	.5	.1	.6	.1	.3	.0	.1	.7	3.5	15.2
ENE	.0	.2	.6	3.2	.5	2.6	.6	2.8	.5	2.3	.3	1.3	.2	.8	2.6	13.2	17.6
E	.1	.3	1.6	7.8	.9	4.3	.7	3.4	.5	2.7	.2	.9	.1	.4	4.0	19.8	14.5
ESE	.1	.3	1.2	6.1	.4	1.8	.2	1.2	.1	.4	.0	.1	.0	.0	2.0	9.9	11.2
SE	.0	.2	.6	3.1	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	.9	4.3	9.7
SSE	.0	.2	.5	2.4	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7	3.4	9.6
S	.0	.2	.6	2.9	.2	.8	.1	.3	.0	.1	.0	.0	.0	.0	.8	4.2	10.3
SSW	.0	.1	.4	2.1	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.7	3.5	11.4
SW	.0	.2	.5	2.3	.2	.8	.1	.4	.0	.2	.0	.0	.0	.0	.8	4.0	11.2
WSW	.0	.1	.4	1.8	.1	.6	.1	.4	.0	.2	.0	.1	.0	.0	.6	3.1	12.0
W	.0	.1	.4	2.0	.2	.8	.1	.5	.1	.5	.0	.2	.0	.0	.8	4.1	13.1
WNW	.0	.2	.4	2.1	.3	1.5	.2	1.1	.2	.8	.1	.4	.0	.1	1.2	6.2	14.7
NW	.0	.2	.5	2.6	.3	1.5	.2	1.2	.2	1.0	.1	.4	.0	.1	1.4	7.1	14.5
NNW	.0	.1	.5	2.4	.2	1.0	.2	1.1	.1	.6	.1	.3	.0	.1	1.1	5.5	13.8
CALM	.4	1.8													.4	1.8	
TOTAL	.9	4.5	9.2	45.8	3.9	19.2	3.0	14.7	2.0	10.0	.8	4.1	.3	1.7	20.1	100	13.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DLH DULUTH, MN

CLASS 2 / NIGHT

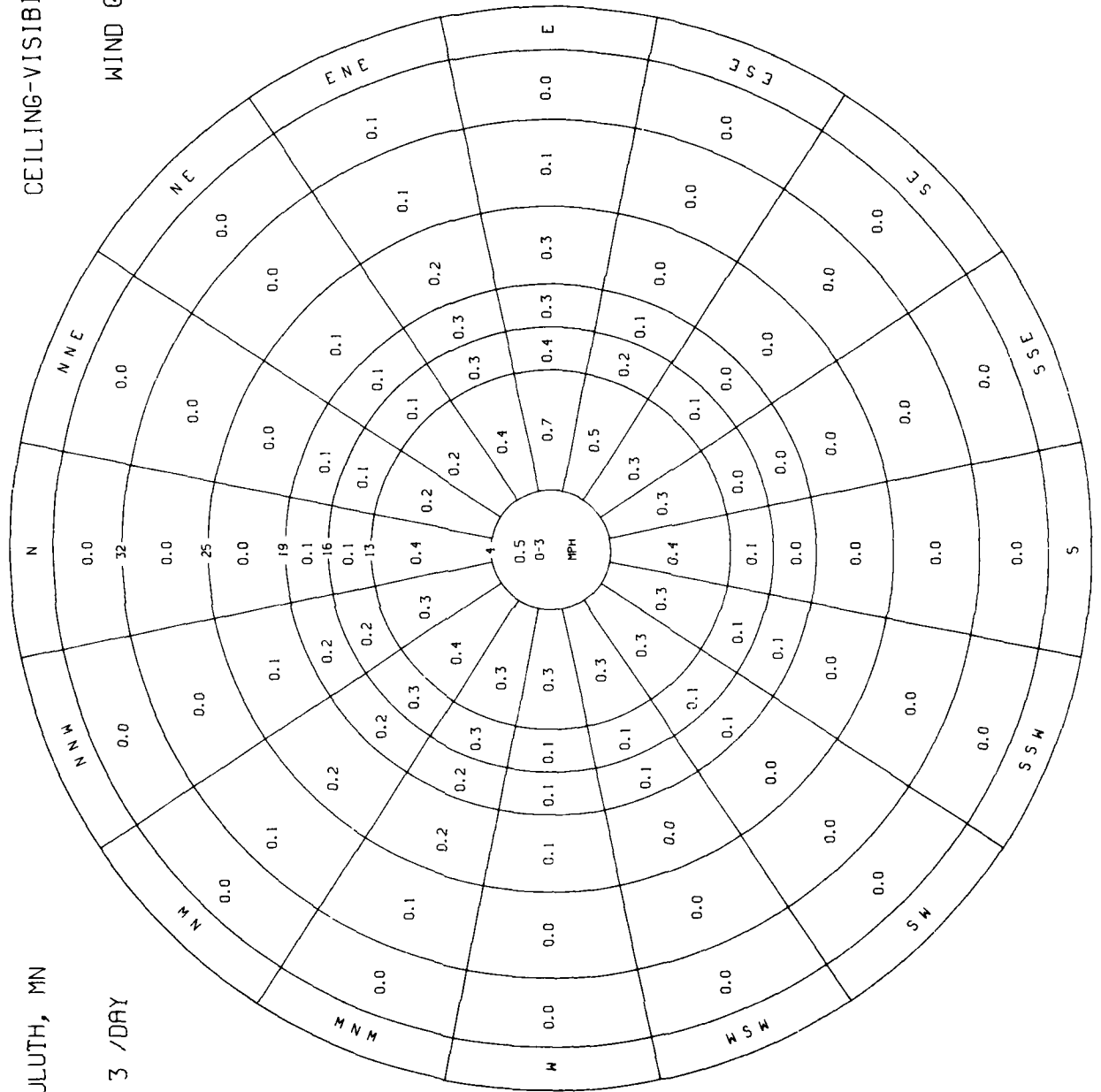
NO. OBS.: 8966

STATION NUMBER: 14913

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	3.1	.1	.7	.1	.5	.0	.2	.0	.1	.0	.0	1.0	4.8	10.5
NNE	.0	.1	.3	1.4	.1	.3	.0	.2	.0	.1	.0	.1	.0	.0	.5	2.3	10.8
NE	.1	.3	.3	1.5	.1	.4	.1	.4	.1	.3	.0	.2	.0	.1	.7	3.2	13.1
ENE	.0	.2	.6	2.9	.4	1.7	.4	1.9	.4	1.8	.2	1.0	.1	.6	2.2	10.1	17.0
E	.1	.4	1.5	7.1	.8	3.7	.6	2.9	.5	2.5	.2	1.0	.1	.3	3.9	17.9	14.5
ESE	.1	.5	1.3	6.2	.4	1.7	.2	1.1	.1	.4	.0	.1	.0	.0	2.1	9.9	10.9
SE	.1	.3	.7	3.2	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	1.0	4.5	9.5
SSE	.1	.2	.5	2.5	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.7	3.4	9.0
S	.1	.2	.6	2.8	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	.9	4.1	10.2
SSW	.0	.1	.5	2.3	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.8	3.6	10.9
SW	.0	.2	.6	2.7	.2	.9	.1	.6	.0	.1	.0	.0	.0	.0	1.0	4.6	11.1
WSW	.0	.1	.5	2.1	.1	.5	.1	.5	.0	.2	.0	.1	.0	.0	.8	3.6	11.6
W	.1	.3	.5	2.2	.2	.7	.1	.6	.1	.3	.0	.1	.0	.1	.9	4.3	12.1
WNW	.0	.2	.6	2.6	.3	1.3	.2	1.1	.2	1.1	.1	.3	.0	.1	1.5	6.8	14.2
NW	.0	.2	.6	2.9	.4	1.7	.3	1.5	.2	1.0	.1	.4	.0	.1	1.7	7.9	14.4
NNW	.0	.2	.6	2.6	.2	1.1	.2	1.1	.2	.7	.1	.3	.0	.1	1.3	5.9	13.8
CALM	.7	3.2													.7	3.2	
TOTAL	1.5	7.0	10.4	48.2	3.7	16.9	2.9	13.6	1.9	9.0	.8	3.7	.3	1.5	21.6	100	12.5

CEILING-VISIBILITY WIND GRAPH

DLH DULUTH, MN
CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 3 / DAY

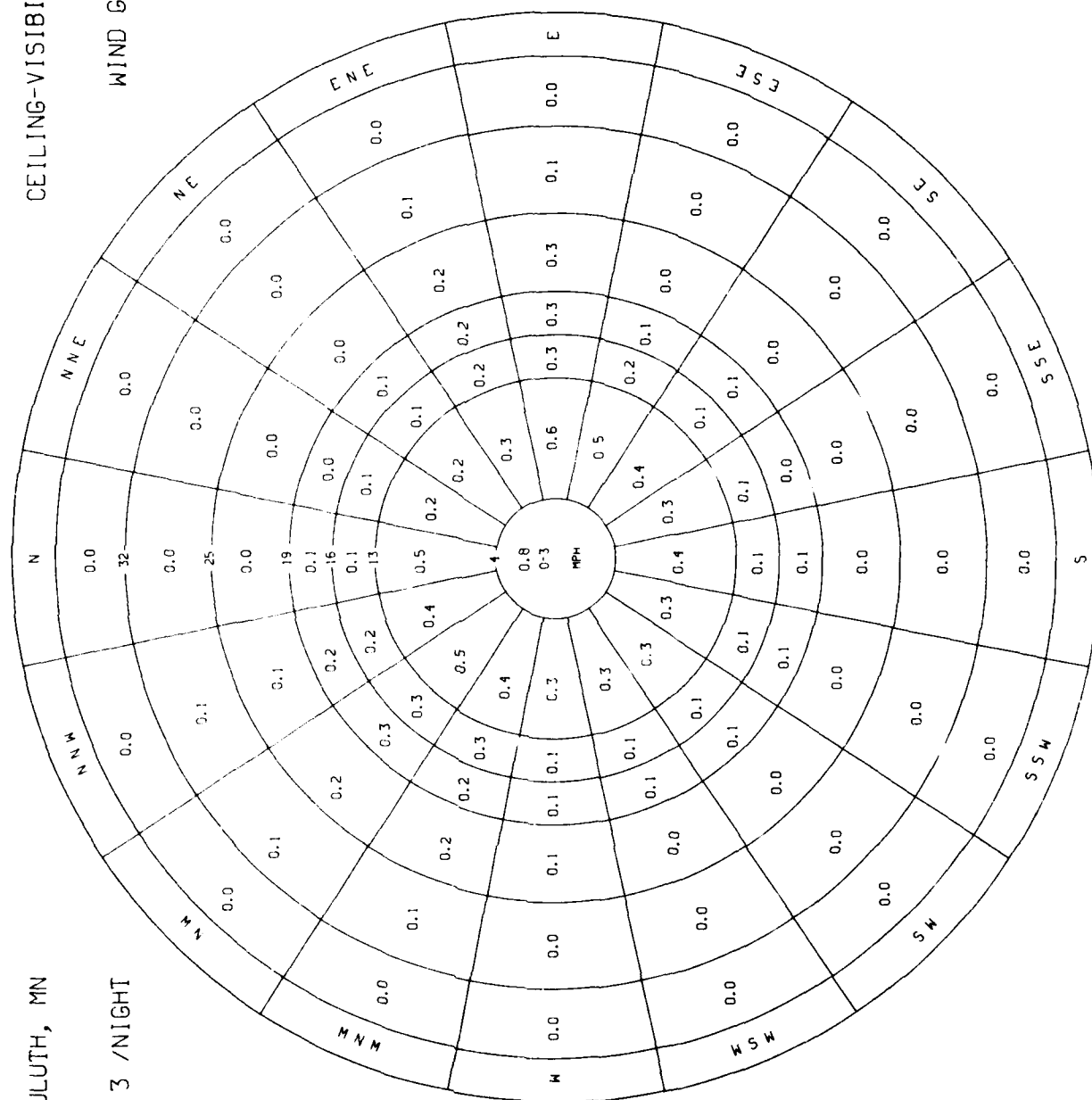
STATION NUMBER: 14913

NO. OBS.: 6281

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	.2	.4	3.2	.1	1.0	.1	.4	.0	.2	.0	.1	.0	.0	.7 5.1 10.8
NNE	.0	.1	.2	1.4	.1	.4	.1	.5	.0	.1	.0	.0	.0	.0	.3 2.5 11.5
NE	.0	.0	.2	1.6	.1	.7	.1	.5	.1	.6	.0	.3	.0	.1	.5 3.7 14.6
ENE	.0	.2	.4	2.9	.3	2.3	.3	2.5	.2	1.9	.1	1.1	.1	.6	1.4 11.3 17.0
E	.0	.3	.7	5.4	.4	3.5	.3	2.5	.3	2.1	.1	.5	.0	.2	1.9 14.5 14.4
ESE	.0	.2	.5	4.2	.2	1.4	.1	.9	.0	.3	.0	.1	.0	.0	.9 7.1 11.4
SE	.0	.2	.3	2.5	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.5 3.7 9.8
SSE	.0	.2	.3	2.2	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4 3.1 9.9
S	.0	.1	.4	2.8	.1	1.0	.0	.4	.0	.1	.0	.0	.0	.0	.6 4.5 10.9
SSW	.0	.1	.3	2.1	.1	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.5 4.0 12.2
SW	.0	.2	.3	2.5	.1	1.0	.1	.6	.0	.3	.0	.0	.0	.0	.6 4.6 11.6
WSW	.0	.0	.3	2.0	.1	.9	.1	.6	.0	.3	.0	.1	.0	.0	.5 3.9 12.5
W	.0	.1	.3	2.4	.1	1.1	.1	.8	.1	.7	.0	.2	.0	.0	.7 5.4 13.5
WNW	.0	.1	.3	2.6	.3	2.2	.2	1.6	.2	1.2	.1	.5	.0	.1	1.1 8.5 15.0
NW	.0	.3	.4	3.2	.3	2.1	.2	1.7	.2	1.5	.1	.5	.0	.1	1.2 9.5 14.8
NNW	.0	.2	.3	2.7	.2	1.5	.2	1.5	.1	.8	.0	.3	.0	.0	.9 7.1 14.0
CALM	.2	1.6													.2 1.6
TOTAL	.5	4.1	5.6	43.8	2.7	21.2	2.0	15.5	1.3	10.3	.5	3.9	.2	1.2	12.8 100 13.3

DLH DULUTH, MN

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 3 / NIGHT

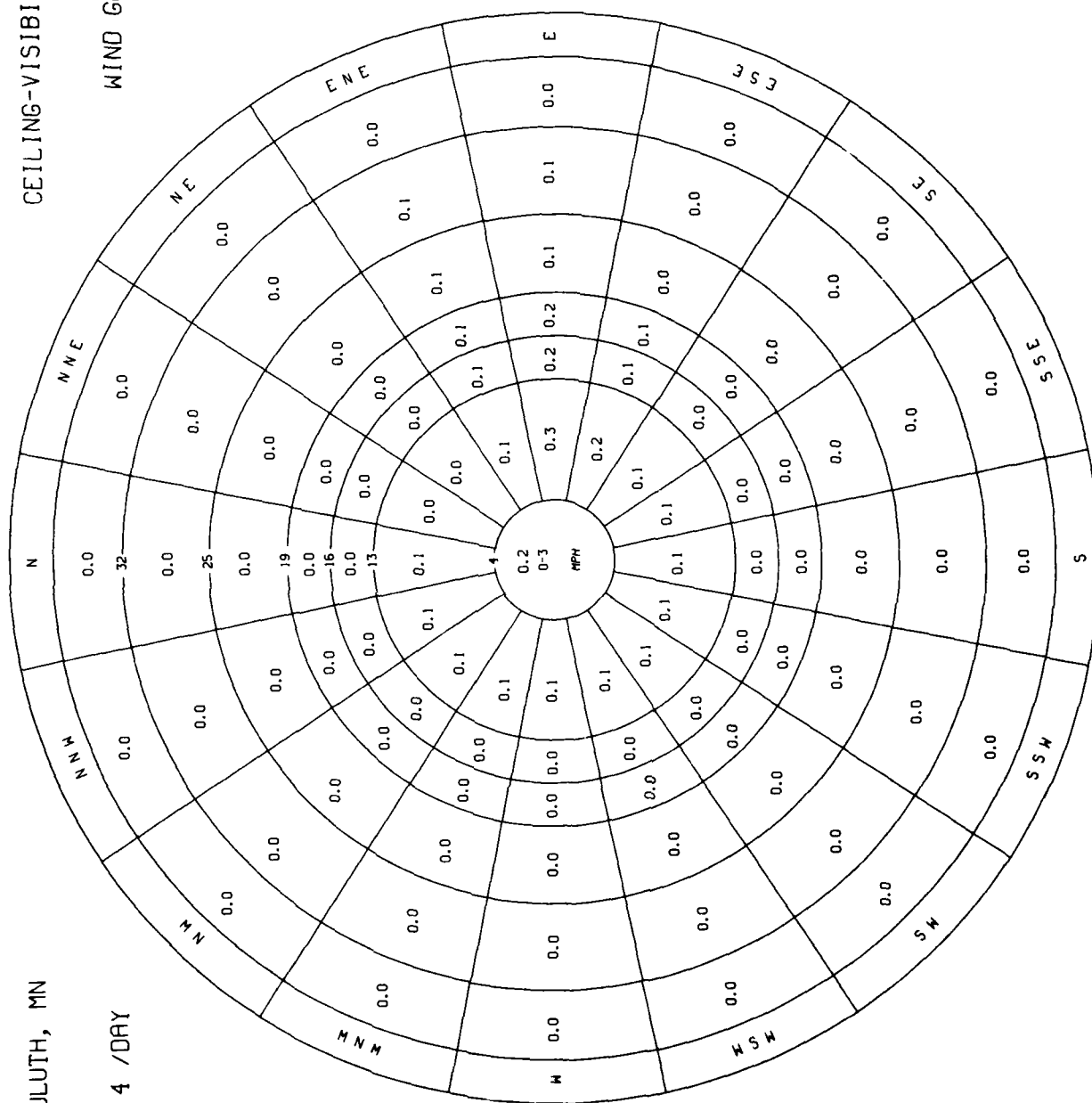
STATION NUMBER: 14913

NO. OBS.: 5451

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	.5	4.0	.1	1.0	.1	.7	.0	.3	.0	.0	.0	.0	.8	6.2	10.8
NNE	.0	.1	.2	1.7	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3	2.6	10.2
NE	.0	.2	.2	1.6	.1	.4	.1	.4	.0	.2	.0	.2	.0	.1	.4	3.2	12.6
ENE	.0	.2	.3	2.3	.2	1.5	.2	1.6	.2	1.4	.1	.8	.0	.3	1.1	8.1	16.4
E	.0	.3	.6	4.4	.3	2.6	.3	2.2	.3	1.9	.1	.8	.0	.1	1.6	12.4	14.8
ESE	.0	.2	.5	4.1	.2	1.2	.1	.9	.0	.2	.0	.2	.0	.0	.9	6.8	11.6
SE	.0	.3	.4	2.9	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.6	4.5	10.3
SSE	.0	.3	.3	2.3	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.4	3.4	9.6
S	.0	.2	.4	2.8	.1	.8	.1	.4	.0	.2	.0	.0	.0	.0	.6	4.3	10.9
SSW	.0	.1	.3	2.1	.1	.7	.1	.5	.0	.2	.0	.0	.0	.0	.5	3.6	11.8
SW	.0	.2	.3	2.4	.1	.9	.1	.8	.0	.2	.0	.1	.0	.0	.6	4.5	11.8
WSW	.0	.1	.3	2.1	.1	.7	.1	.7	.0	.2	.0	.1	.0	.0	.5	4.0	12.3
W	.0	.3	.3	2.4	.1	1.1	.1	.9	.1	.5	.0	.2	.0	.1	.7	5.5	12.9
WNW	.0	.2	.4	3.2	.3	1.9	.2	1.8	.2	1.7	.1	.4	.0	.1	1.2	9.4	14.8
NW	.0	.2	.5	3.7	.3	2.5	.3	2.3	.2	1.6	.1	.6	.0	.2	1.5	11.0	14.9
NNW	.0	.2	.4	3.3	.2	1.5	.2	1.6	.1	1.0	.1	.4	.0	.1	1.1	8.1	13.9
CALM	.3	2.5													.3	2.5	
TOTAL	.8	5.9	5.9	45.2	2.4	18.6	2.1	15.7	1.3	9.7	.5	3.8	.1	1.1	13.1	100	12.8

DLH DULUTH, MN

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 4 / DAY

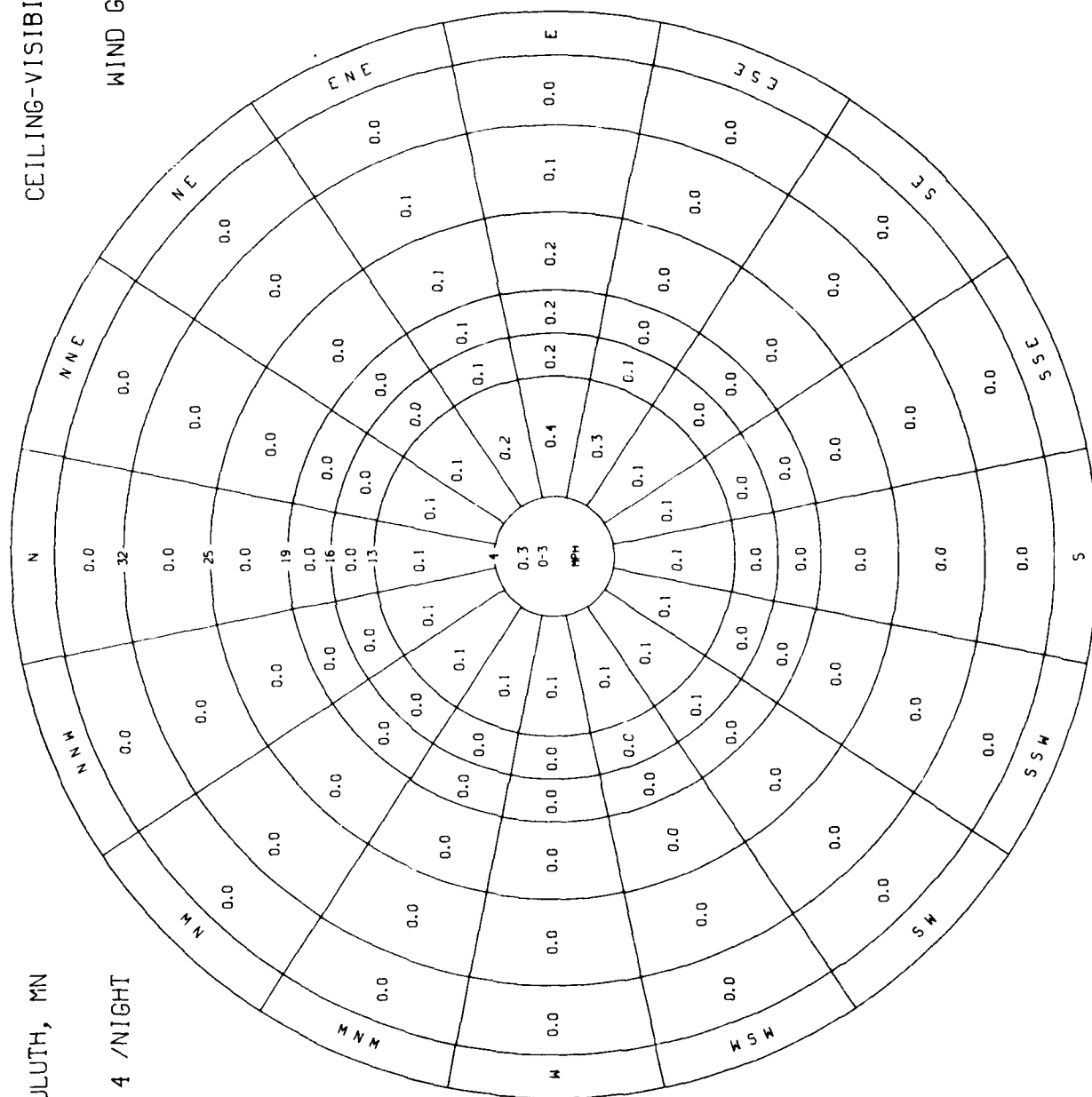
STATION NUMBER: 14913

NO. OBS.: 1880

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	.3	.1	2.0	.0	.5	.0	.4	.0	.3	.0	.0	.0	.1	.1	3.5	10.7
NNE	.0	.2	.0	1.2	.0	.2	.0	.3	.0	.4	.0	.2	.0	.0	.1	2.5	13.1
NNE	.0	.1	.0	1.0	.0	.6	.0	.7	.0	.7	.0	.1	.0	.1	.1	3.4	15.5
SNE	.0	.1	.1	3.4	.1	3.2	.1	3.2	.1	3.6	.1	1.9	.0	1.2	.6	16.6	18.5
E	.0	.2	.3	9.0	.2	4.9	.2	4.7	.1	3.9	.1	1.5	.0	.6	1.0	24.8	15.3
ESE	.0	.3	.2	6.5	.1	2.2	.1	1.8	.0	.6	.0	.2	.0	.0	.4	11.6	11.8
SE	.0	.3	.1	3.2	.0	.9	.0	.4	.0	.1	.0	.0	.0	.0	.2	4.8	10.1
SSE	.0	.2	.1	2.8	.0	.7	.0	.3	.0	.1	.0	.0	.0	.0	.2	4.1	10.3
S	.0	.2	.1	3.6	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.2	4.4	9.1
SSW	.0	.2	.1	2.3	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.1	3.2	9.7
SW	.0	.2	.1	2.2	.0	.6	.0	.3	.0	.1	.0	.0	.0	.1	.1	3.4	10.7
WSW	.0	.1	.1	1.8	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.1	2.5	10.7
W	.0	.2	.1	1.5	.0	.4	.0	.1	.0	.2	.0	.1	.0	.1	.1	2.5	11.0
WNW	.0	.3	.1	1.8	.0	.3	.0	.4	.0	.3	.0	.1	.0	.1	.1	3.2	12.1
NW	.0	.2	.1	1.8	.0	.6	.0	.5	.0	.3	.0	.3	.0	.2	.1	3.8	14.3
NNW	.0	.0	.1	2.0	.0	.3	.0	.6	.0	.2	.0	.2	.0	.1	.1	3.4	13.0
CALM	.1	2.2													.1	2.2	
TOTAL	.2	5.1	1.8	46.1	.6	16.9	.5	14.3	.4	10.7	.2	4.6	.1	2.4	3.8	100	13.4

DLH DULUTH, MN

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 4 / NIGHT

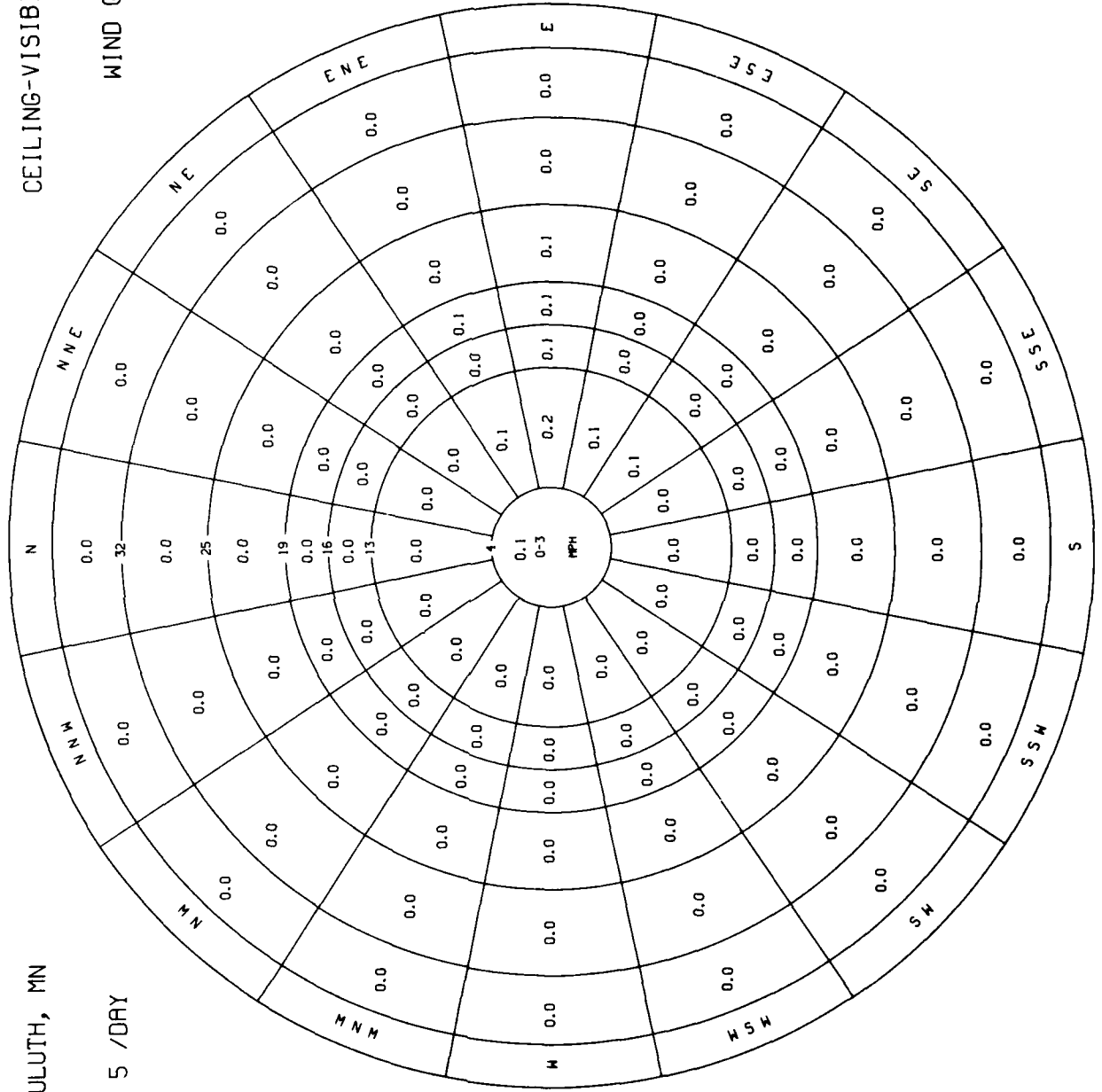
STATION NUMBER: 14913

NO. OBS.: 1834

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	.1	2.5	.0	.4	.0	.2	.0	.1	.0	.2	.0	.0	.2 3.7
NNE	.0	.1	.1	1.5	.0	.2	.0	.2	.0	.3	.0	.2	.0	.1	.1 2.6
NNE	.0	.3	.1	1.7	.0	.3	.0	.5	.0	.4	.0	.3	.0	.1	.2 3.7
ENE	.0	.1	.2	3.7	.1	1.8	.1	3.1	.1	3.1	.1	1.2	.0	.8	.6 13.7
E	.0	.2	.4	9.3	.2	5.2	.2	3.9	.2	3.9	.1	1.3	.0	.3	1.1 24.0
ESE	.0	.3	.3	5.9	.1	2.0	.0	1.1	.0	.7	.0	.1	.0	.1	.4 10.1
SE	.0	.2	.1	2.7	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.2 3.7
SSE	.0	.1	.1	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.3
S	.0	.1	.1	2.9	.0	.7	.0	.4	.0	.1	.0	.0	.0	.0	.2 4.1
SSW	.0	.2	.1	2.8	.0	.8	.0	.5	.0	.2	.0	.0	.0	.0	.2 4.5
SW	.0	.3	.1	3.4	.1	1.1	.0	.5	.0	.1	.0	.0	.0	.0	.2 5.5
WSW	.0	.1	.1	2.8	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.1 3.4
W	.0	.2	.1	2.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1 2.9
WNW	.0	.2	.1	2.2	.0	.6	.0	.3	.0	.4	.0	.2	.0	.1	.2 3.8
NW	.0	.1	.1	2.3	.0	.7	.0	.4	.0	.3	.0	.3	.0	.0	.2 4.0
NNW	.0	.2	.1	2.1	.0	.7	.0	.4	.0	.3	.0	.2	.0	.1	.2 3.9
CALM	.1	3.1													.1 3.1
TOTAL	.3	5.9	2.2	50.7	.7	16.0	.5	12.0	.4	10.0	.2	3.9	.1	1.4	4.4 100

DLH DULUTH, MN

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 5 / DAY

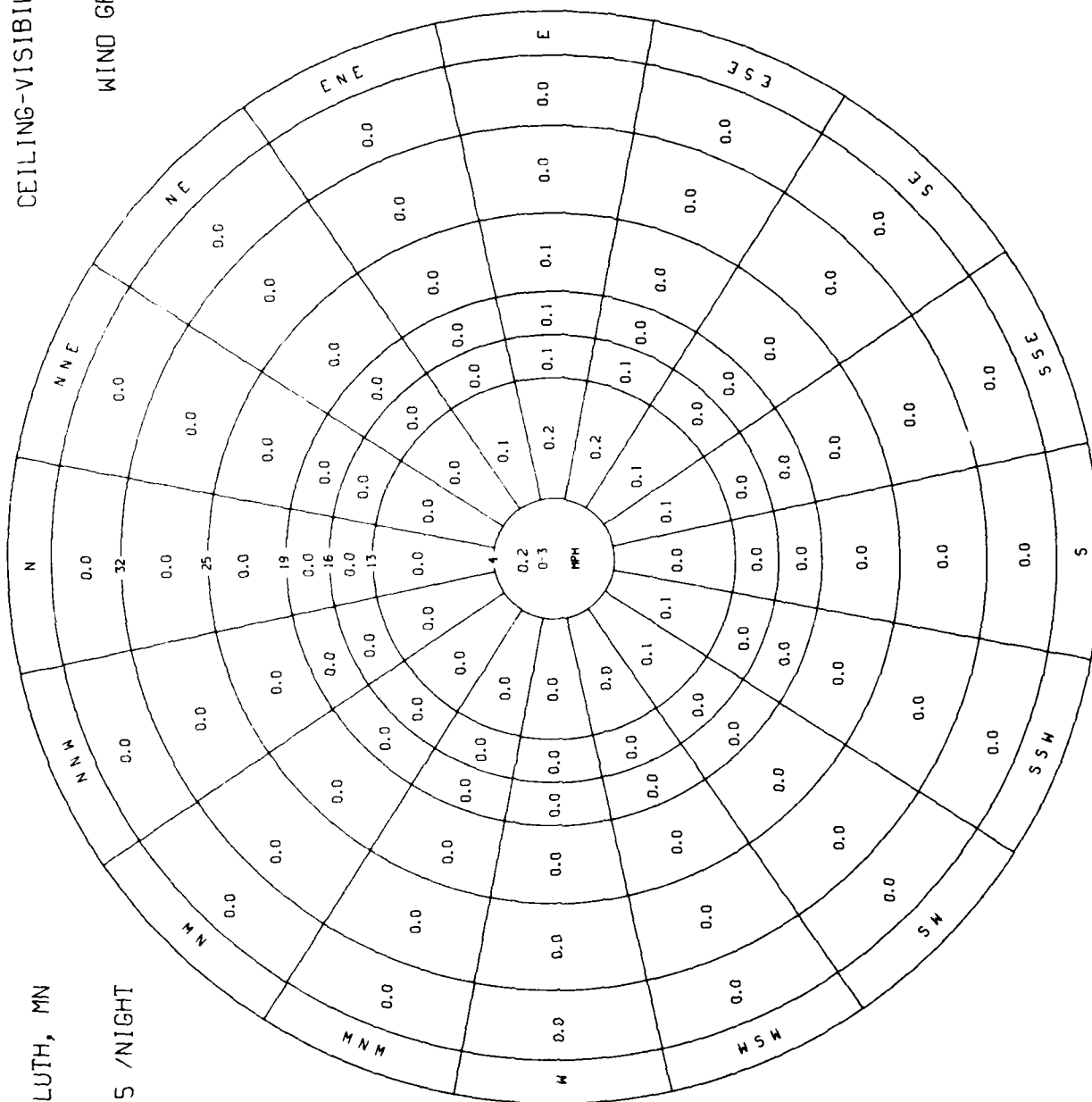
STATION NUMBER: 14913

NO. OBS.: 694

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	1.2	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	1.9	12.3
NNE	.0	.0	.0	.7	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	1.3	12.0
NE	.0	.1	.0	.9	.0	.1	.0	.6	.0	.7	.0	.7	.0	.3	.0	3.5	18.6
ENE	.0	.0	.1	4.2	.0	2.7	.1	4.5	.0	2.9	.0	1.6	.0	1.4	.2	17.3	18.6
E	.0	.6	.2	10.7	.1	6.5	.1	6.2	.1	4.9	.0	2.3	.0	1.2	.5	32.3	15.7
ESE	.0	.4	.1	9.1	.0	2.2	.0	1.3	.0	.6	.0	.1	.0	.0	.2	13.7	10.9
SE	.0	.0	.1	4.9	.0	.6	.0	.4	.0	.1	.0	.0	.0	.0	.1	6.1	9.8
SSE	.0	.3	.0	3.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	7.4
S	.0	.3	.0	2.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.9	8.9
SSW	.0	.0	.0	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.5
SW	.0	.0	.0	2.2	.0	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	3.2	10.3
WSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.4	10.0
W	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	1.6	13.0
WNW	.0	.0	.0	.6	.0	.1	.0	.3	.0	.1	.0	.1	.0	.1	.0	1.4	16.9
NW	.0	.3	.0	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	2.2	9.9
NNW	.0	.0	.0	1.6	.0	.1	.0	.1	.0	.6	.0	.1	.0	.3	.0	2.9	15.7
CALM	.0	2.4													.0	2.4	
TOTAL	.1	4.6	.7	47.8	.2	13.8	.2	14.0	.1	10.5	.1	5.6	.1	3.6	1.4	100	13.7

CEILING-VISIBILITY WIND GRAPH

DLH DULUTH, MN
CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DLH DULUTH, MN

CLASS 5 / NIGHT

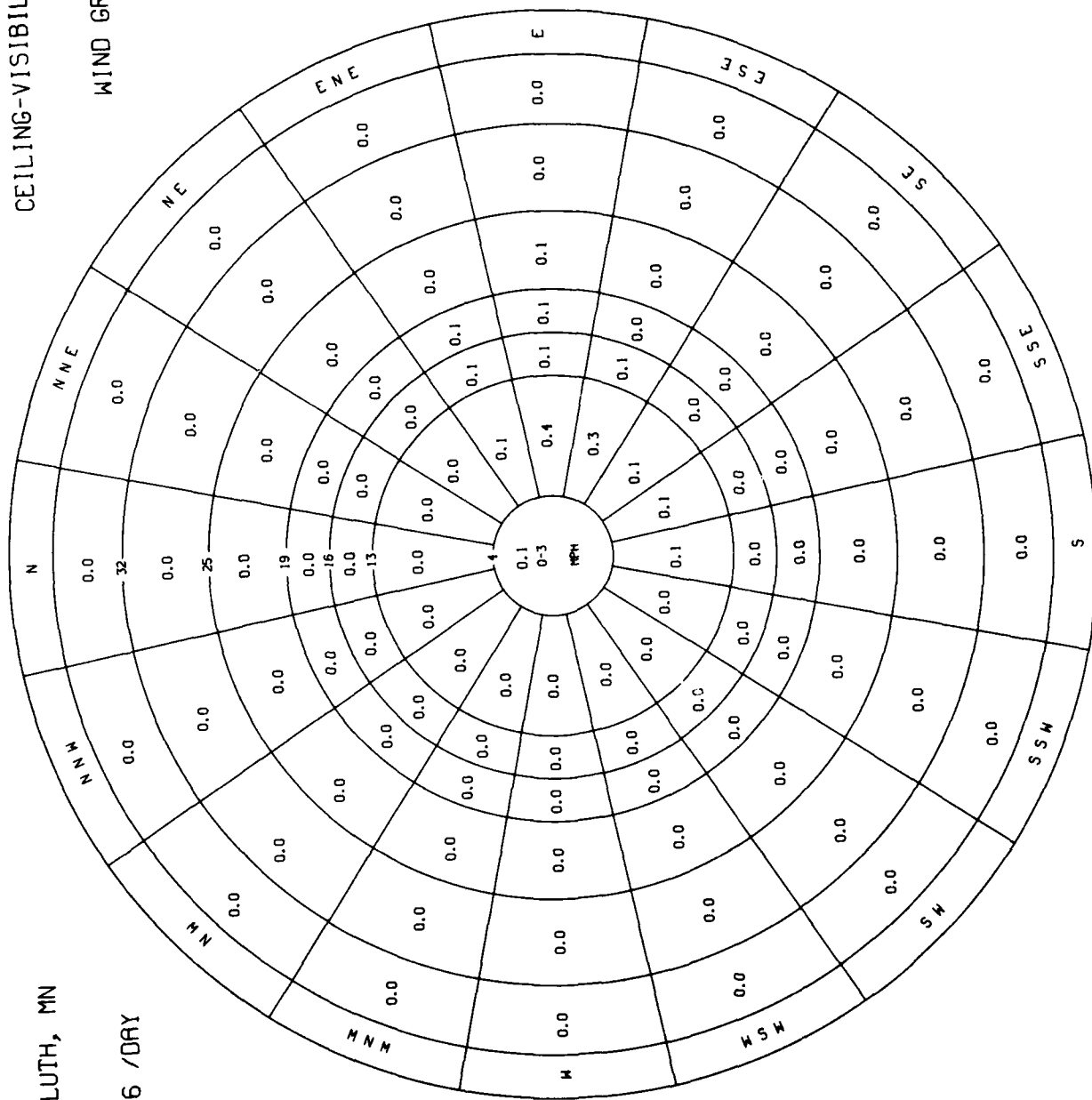
NO. OBS.: 780

STATION NUMBER: 14913

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	1.7	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0 2.1 8.8
NNE	.0	.0	.0	.5	.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0 11.9
NE	.0	.4	.0	1.2	.0	.3	.0	.4	.0	.4	.0	.1	.0	.0	.1 2.7 12.5
ENE	.0	.4	.1	4.6	.0	2.6	.0	2.1	.0	1.8	.0	.9	.0	.6	.2 12.9 15.4
E	.0	.8	.2	11.0	.1	5.5	.1	4.2	.1	2.7	.0	.8	.0	.6	.5 25.6 13.9
ESE	.0	1.2	.2	11.2	.1	2.8	.0	1.3	.0	.6	.0	.0	.0	.0	.3 17.1 10.2
SE	.0	.5	.1	4.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.5 7.3
SSE	.0	.1	.1	3.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.6 8.1
S	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6 8.5
SSW	.0	.3	.1	4.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.5 8.2
SW	.0	.1	.1	4.6	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.1 5.6 9.3
WSW	.0	.3	.0	1.8	.0	.3	.0	.3	.0	.1	.0	.3	.0	.0	.1 2.9 11.1
W	.0	.3	.0	1.7	.0	.0	.0	.1	.0	.0	.0	.1	.0	.1	.0 2.3 10.5
WNW	.0	.3	.0	2.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0 2.6 7.5
NW	.0	.4	.0	1.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	.0 2.2 10.2
NNW	.0	.3	.0	1.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0 1.5 10.3
CALM	.1	5.4													.1 5.4
TOTAL	.2	10.6	1.1	56.9	.3	13.5	.2	8.8	.1	6.0	.0	2.4	.0	1.7	1.9 100 10.9

WIND GRAPH

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 6 / DAY

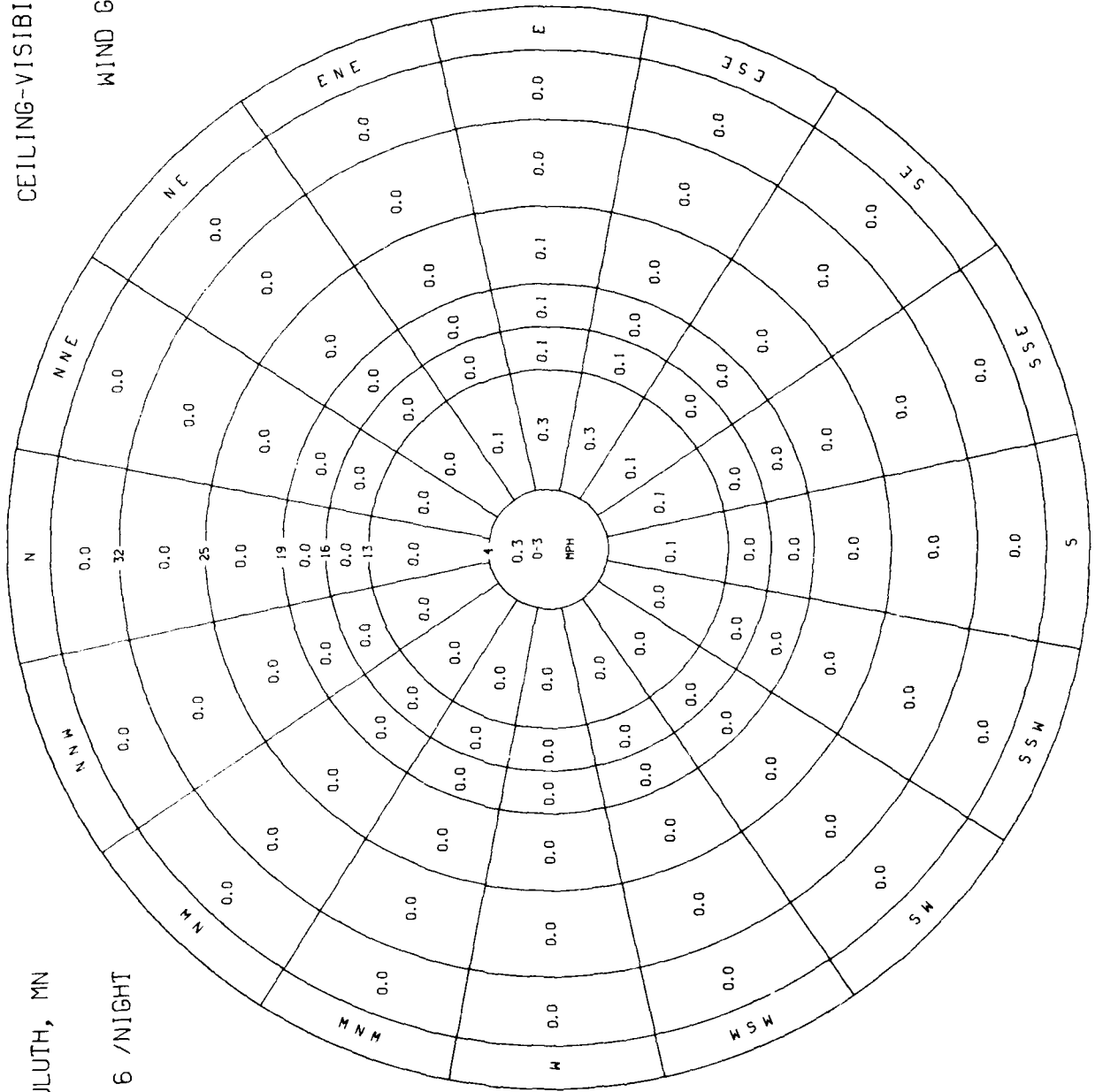
STATION NUMBER: 14913

NO. OBS.: 1006

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	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	.0 1.0 14.8
NNE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0 .6 8.3
NE	.0	.0	.0	1.0	.0	.0	.0	.2	.0	1.0	.0	.1	.0	.2	.1 2.5 17.5
ENE	.0	.3	.1	4.0	.1	3.7	.1	2.8	.0	1.9	.0	1.7	.0	1.2	.3 15.5 17.2
E	.0	.9	.4	17.9	.1	6.4	.1	5.5	.1	2.8	.0	.9	.0	.8	.7 35.1 13.2
ESE	.0	.6	.3	15.2	.1	3.4	.0	2.0	.0	.3	.0	.1	.0	.0	.4 21.6 10.4
SE	.0	.2	.1	5.0	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.1 5.7 8.5
SSE	.0	.2	.1	2.7	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.5 8.2
S	.0	.2	.1	2.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.2 8.0
SSW	.0	.1	.0	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6 8.1
SW	.0	.2	.0	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7 7.4
WSW	.0	.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8 7.1
W	.0	.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0 1.4 9.6
WNW	.0	.1	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0 .6 14.7
NW	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1 7.0
NNW	.0	.1	.0	1.6	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0 1.9 8.7
CALM	.0	2.4													.0 2.4
TOTAL	.1	6.1	1.2	56.6	.3	14.6	.2	11.0	.1	6.1	.1	3.1	.1	2.6	2.1 100 12.0

CEILING-VISIBILITY

WIND GRAPH

DLH DULUTH, MN
CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DLH DULUTH, MN

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14913

NO. OBS.: 901

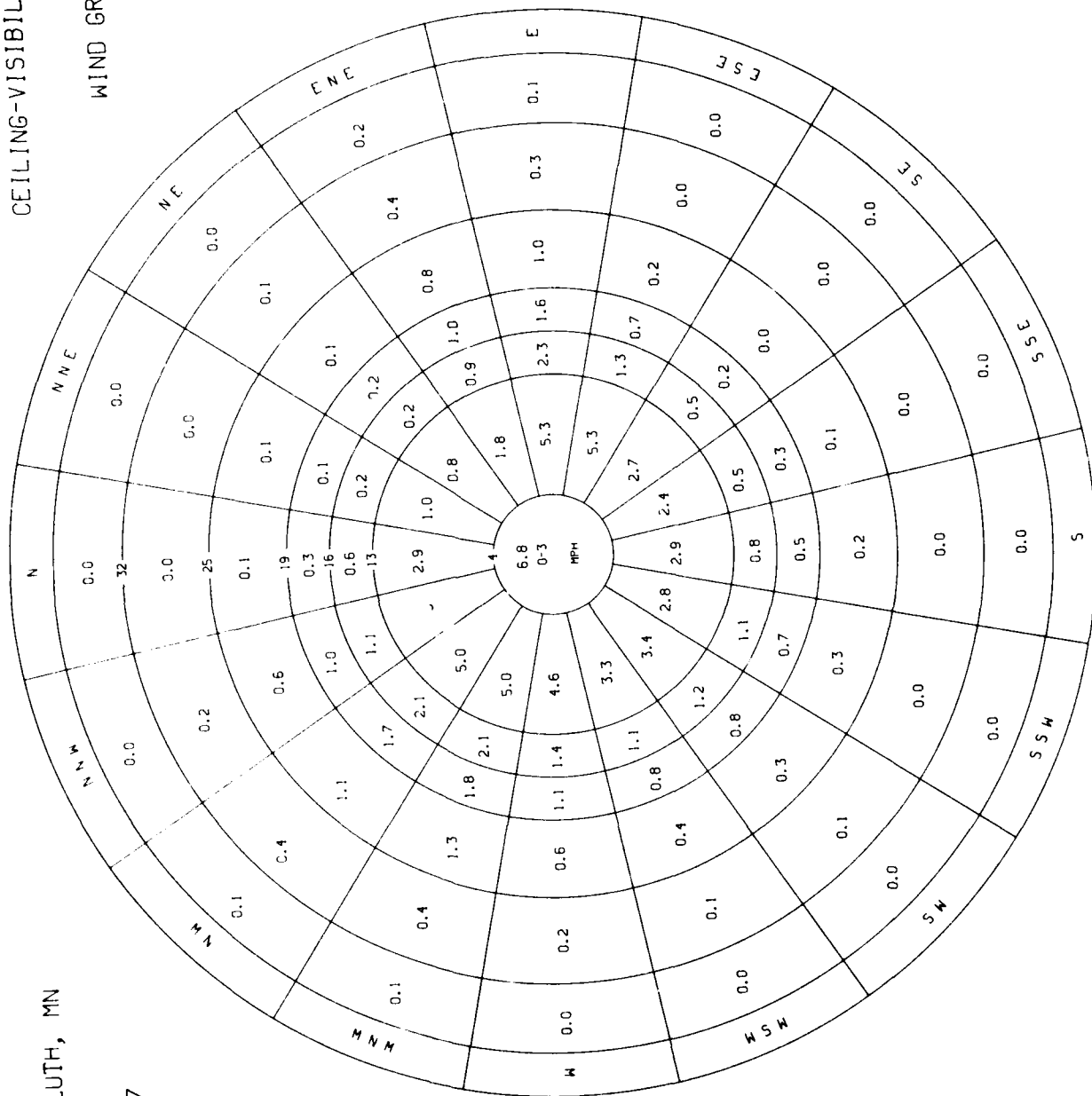
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.1	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.4
NNE	.0	.0	.0	.4	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.6	10.0
NE	.0	.7	.0	1.2	.0	.2	.0	.3	.0	.1	.0	.2	.0	.6	.1	3.3	15.2
ENE	.0	.6	.1	3.4	.0	1.8	.0	1.3	.0	2.0	.0	1.6	.0	1.8	.3	12.4	19.4
E	.0	1.3	.3	15.3	.1	5.7	.1	4.3	.1	2.9	.0	1.6	.0	1.1	.7	32.2	13.7
ESE	.0	1.8	.3	15.4	.1	2.9	.0	2.0	.0	.3	.0	.1	.0	.0	.5	22.5	9.7
SE	.0	.9	.1	4.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	5.9	7.9
SSE	.0	.1	.1	2.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.0	7.5
S	.0	1.0	.1	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.6	5.6
SSW	.0	.2	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.2
SW	.0	.1	.0	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	7.8
WSW	.0	.1	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.1	.0	.1	.0	2.2	11.7
W	.0	.2	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.3
WNW	.0	.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.7	11.8
NW	.0	.2	.0	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.2	.0	1.8	11.9
NNW	.0	.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.9	23.1
CALM	.1	5.4													.1	5.4	
TOTAL	.3	13.0	1.2	53.6	.3	11.8	.2	8.2	.1	5.7	.1	3.6	.1	4.2	2.2	100	11.6

CEILING-VISIBILITY

WIND GRAPH

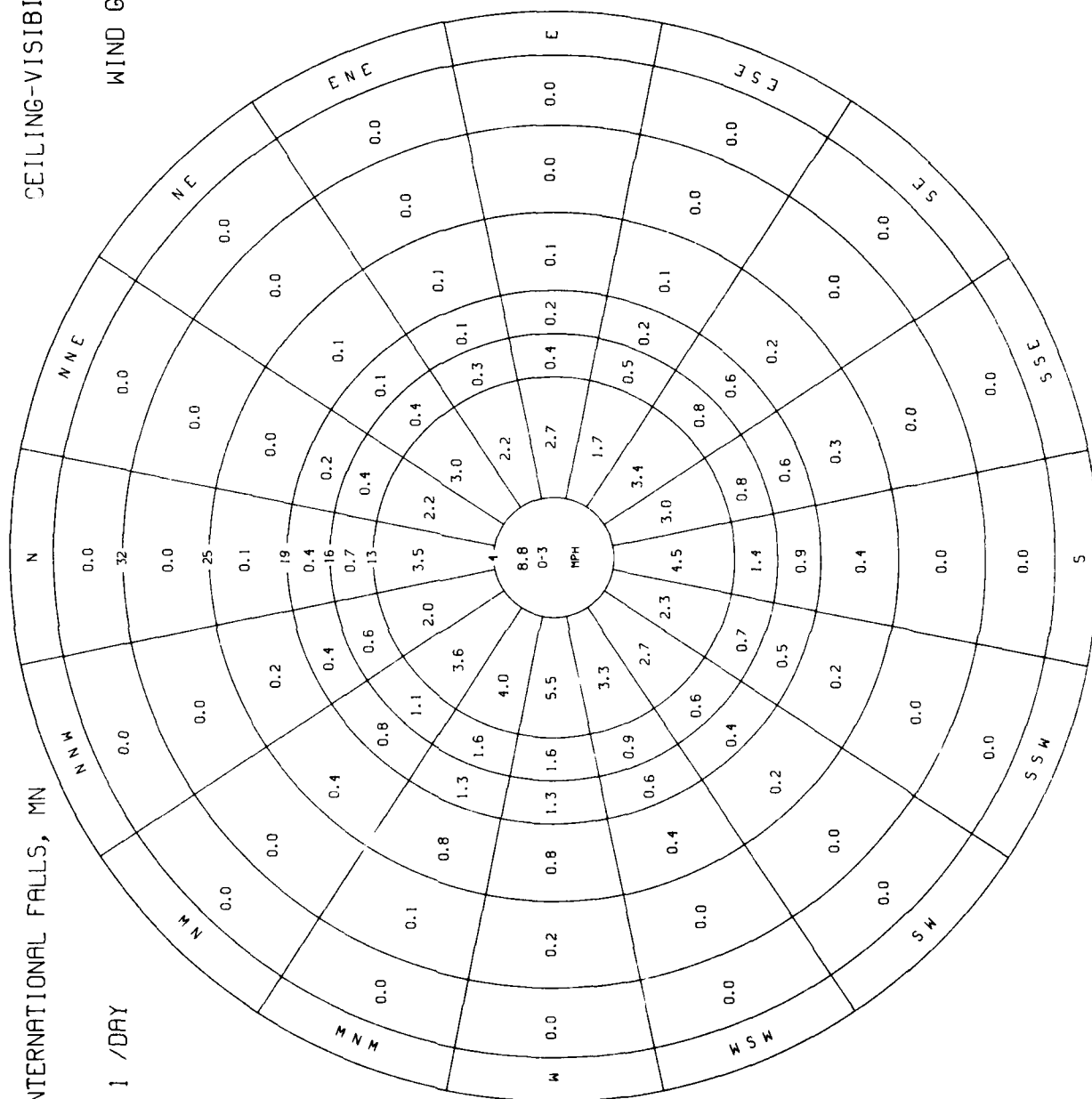
DLH DULUTH, MN

CLASS 7



CEILING-VISIBILITY
WIND GRAPH

INL INTERNATIONAL FALLS, MN
CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

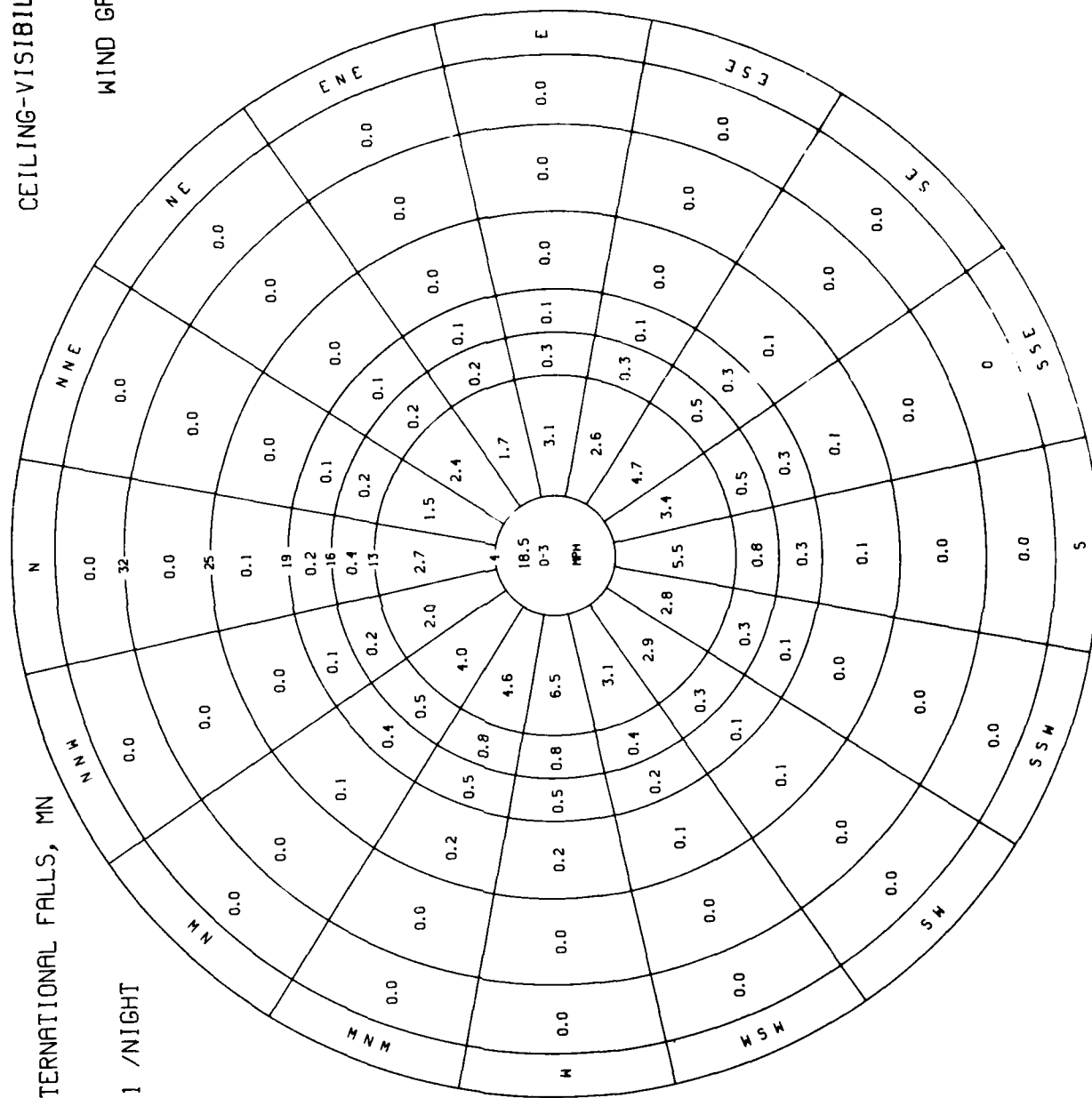
CLASS 1 / DAY

STATION NUMBER: 14918

NO. OBS.: 40903

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	3.5	4.1	.7	.9	.4	.5	.1	.2	.0	.0	.0	.0	5.0 5.9
NNE	.3	.3	2.2	2.6	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	3.1 3.7
NNE	.4	.5	3.0	3.6	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	4.1 4.8
ENE	.2	.2	2.2	2.6	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	3.0 3.5
E	.3	.4	2.7	3.1	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.7 4.4
ESE	.1	.2	1.7	2.0	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	2.6 3.1
SE	.3	.4	3.4	4.0	.8	1.0	.6	.7	.2	.3	.0	.0	.0	.0	5.5 6.4
SSE	.3	.3	3.0	3.5	.8	.9	.6	.7	.3	.3	.0	.0	.0	.0	4.9 5.8
S	.5	.6	4.5	5.3	1.4	1.6	.9	1.0	.4	.5	.0	.0	.0	.0	7.7 9.1
SSW	.3	.3	2.3	2.7	.7	.8	.5	.6	.2	.2	.0	.0	.0	.0	3.9 4.6
SW	.3	.3	2.7	3.2	.6	.8	.4	.5	.2	.2	.0	.0	.0	.0	4.3 5.0
WSW	.3	.3	3.3	3.9	.9	1.0	.6	.7	.4	.4	.0	.1	.0	.0	5.5 6.4
W	.5	.6	5.5	6.4	1.6	1.9	1.3	1.5	.8	.9	.2	.2	.0	.0	9.8 11.6
WNW	.2	.3	4.0	4.7	1.6	1.9	1.3	1.6	.8	.9	.1	.1	.0	.0	8.1 9.6
NW	.3	.3	3.6	4.2	1.1	1.3	.8	.9	.4	.5	.0	.0	.0	.0	6.2 7.3
NNW	.1	.2	2.0	2.4	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	3.4 4.0
CALM	4.0	4.8													4.0 4.8
TOTAL	8.8	10.4	49.7	58.4	13.0	15.3	8.7	10.3	4.2	5.0	.5	.6	.0	.1	85.0 100

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

CLASS 1 / NIGHT

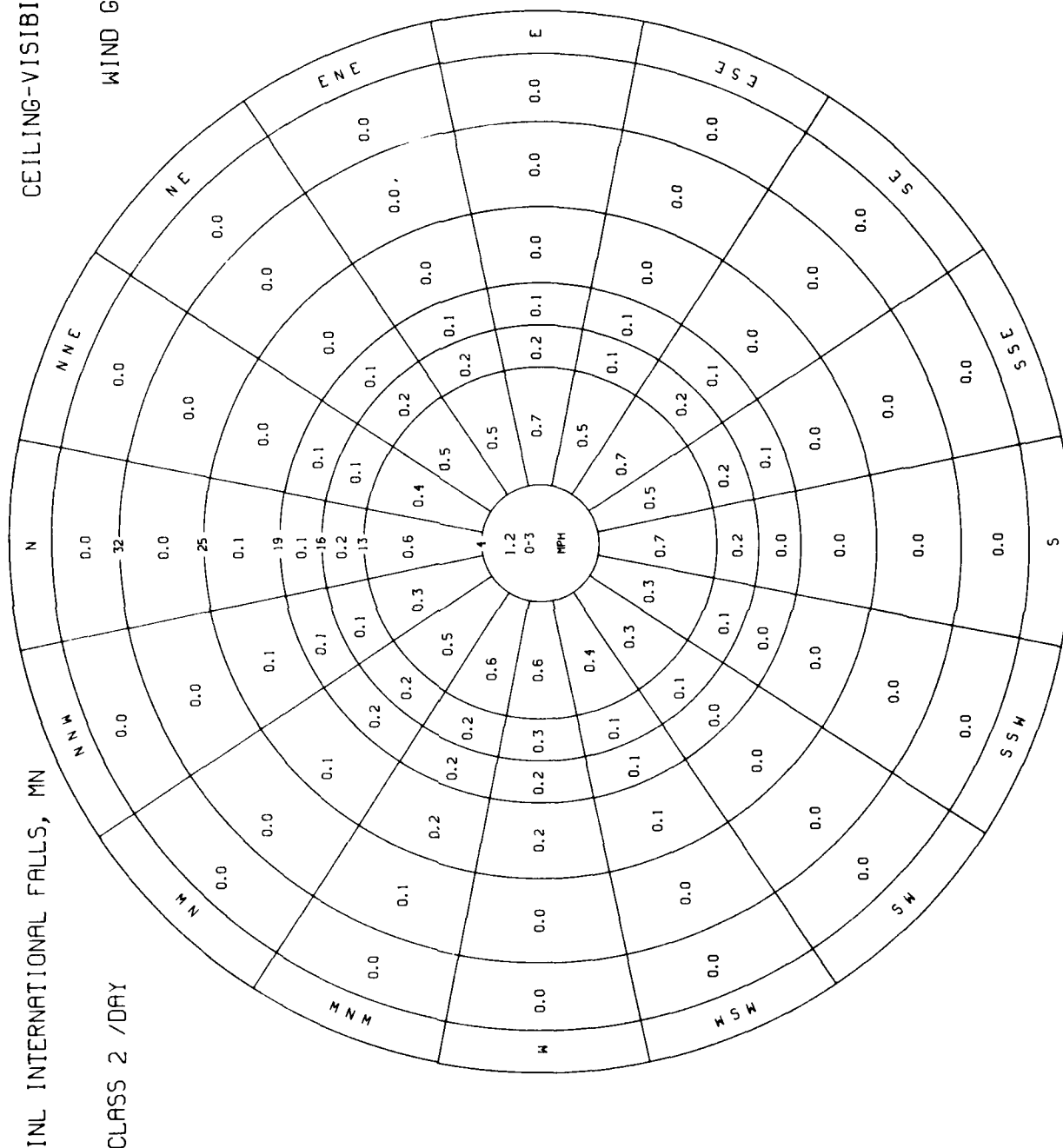
STATION NUMBER: 14918

NO. OBS.: 35488

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	2.7	3.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.8	4.5	8.5
NNE	.2	.3	1.5	1.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.4	8.1
NE	.5	.6	2.4	2.9	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.3	3.9	7.6
ENE	.3	.3	1.7	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.7	7.8
E	.4	.5	3.1	3.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.9	4.7	7.9
ESE	.3	.4	2.6	3.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.4	4.0	8.5
SE	.6	.8	4.7	5.7	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	6.3	7.5	8.3
SSE	.6	.7	3.4	4.0	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	4.8	5.8	8.6
S	1.1	1.3	5.5	6.6	.8	1.0	.3	.4	.1	.2	.0	.0	.0	.0	7.9	9.4	8.2
SSW	.6	.7	2.8	3.3	.3	.4	.1	.2	.0	.1	.0	.0	.0	.0	3.9	4.6	7.8
SW	.6	.7	2.9	3.4	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	4.0	4.7	7.7
WSW	.5	.6	3.1	3.7	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.2	5.0	8.3
W	1.0	1.1	6.5	7.8	.8	1.0	.5	.5	.2	.3	.0	.0	.0	.0	9.0	10.8	8.7
WNW	.5	.6	4.6	5.6	.8	1.0	.5	.6	.2	.2	.0	.0	.0	.0	6.7	8.0	9.6
NW	.6	.7	4.0	4.7	.5	.6	.4	.4	.1	.1	.0	.0	.0	.0	5.5	6.6	8.7
NNW	.3	.3	2.0	2.4	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0	2.7	3.2	8.3
CALM	10.0	12.0													10.0	12.0	
TOTAL	18.5	22.1	53.6	64.1	6.6	7.9	3.4	4.1	1.3	1.6	.2	.2	.0	.0	83.6	100	7.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14918

NO. OBS.: 7195

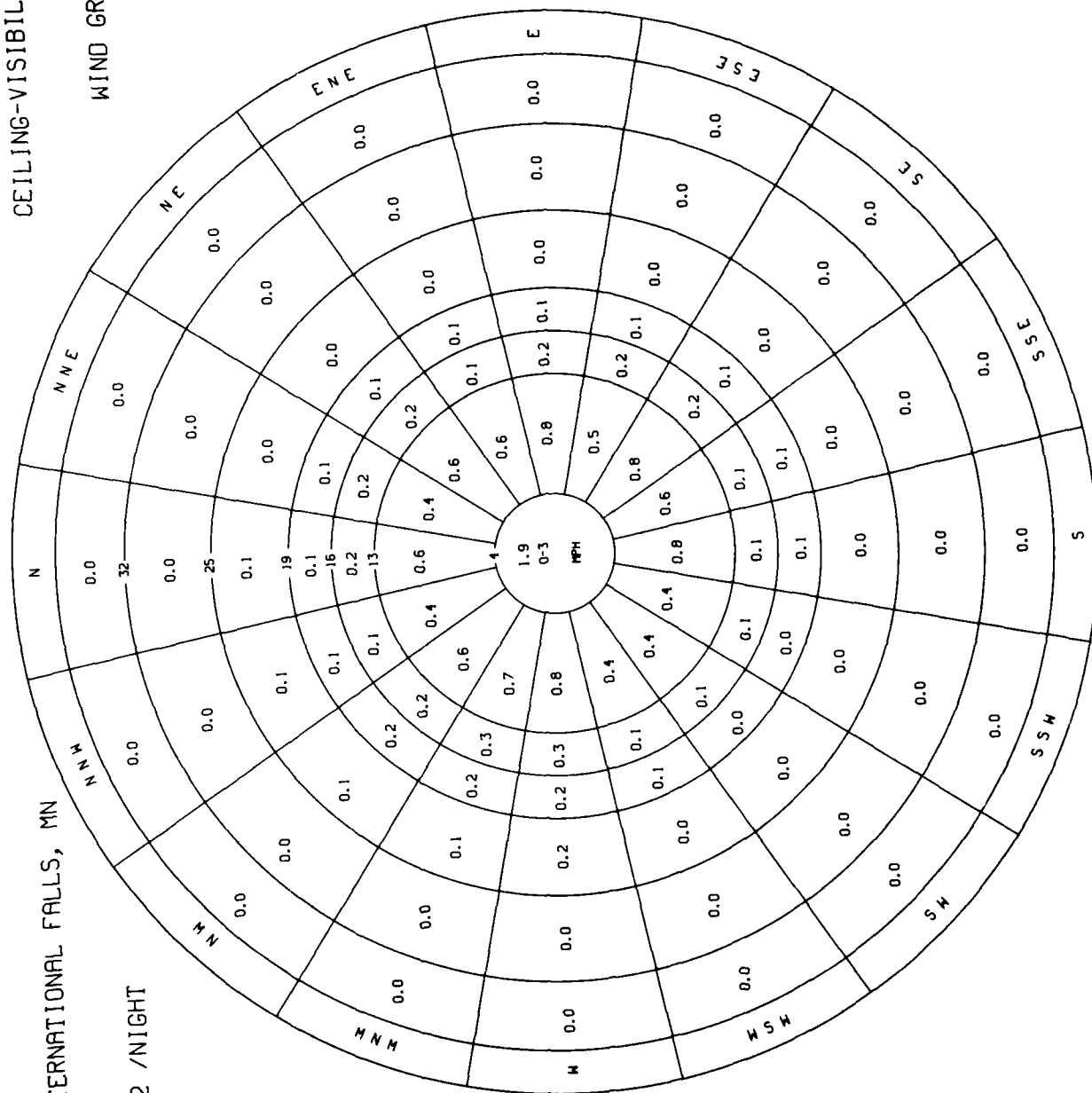
O I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.6	4.1	.2	1.5	.1	.8	.1	.5	.0	.1	.0	.0	1.1	7.2	11.6
NNE	.0	.3	.4	2.6	.1	.9	.1	.7	.0	.3	.0	.1	.0	.0	.7	4.9	11.6
NE	.1	.4	.5	3.5	.2	1.1	.1	.8	.0	.3	.0	.1	.0	.0	.9	6.2	10.9
ENE	.0	.2	.5	3.1	.2	1.3	.1	.8	.0	.3	.0	.1	.0	.0	.9	5.7	11.7
E	.1	.4	.7	4.5	.2	1.1	.1	.9	.0	.2	.0	.0	.0	.0	1.1	7.2	10.6
ESE	.0	.2	.5	3.6	.1	1.0	.1	.4	.0	.2	.0	.0	.0	.0	.8	5.5	10.6
SE	.1	.5	.7	4.5	.2	1.3	.1	.7	.0	.2	.0	.1	.0	.0	1.1	7.2	10.4
SSE	.0	.3	.5	3.4	.2	1.1	.1	.5	.0	.1	.0	.0	.0	.0	.8	5.4	10.4
S	.1	.5	.7	4.5	.2	1.1	.0	.3	.0	.2	.0	.0	.0	.0	1.0	6.6	9.8
SSW	.0	.2	.3	2.2	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.2	9.6
SW	.0	.2	.3	2.2	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.5	3.5	10.5
WSW	.0	.3	.4	2.4	.1	.7	.1	.7	.1	.4	.0	.1	.0	.0	.7	4.5	11.7
W	.0	.2	.6	4.2	.3	1.7	.2	1.6	.2	1.1	.0	.3	.0	.0	1.4	9.1	13.1
WNW	.0	.1	.6	3.8	.2	1.6	.2	1.3	.2	1.3	.1	.4	.0	.0	1.3	8.6	13.8
NW	.0	.2	.5	3.2	.2	1.5	.2	1.1	.1	.9	.0	.1	.0	.0	1.0	6.9	12.9
NNW	.0	.2	.3	2.2	.1	.8	.1	.9	.1	.5	.0	.1	.0	.0	.7	4.6	12.6
CALM	.6	3.7													.6	3.7	
TOTAL	1.2	8.2	8.1	54.2	2.6	17.7	1.8	11.9	1.0	6.5	.2	1.4	.0	.0	15.0	100	11.1

CEILING-VISIBILITY

WIND GRAPH

INL INTERNATIONAL FALLS, MN

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: INL INTERNATIONAL FALLS, MN

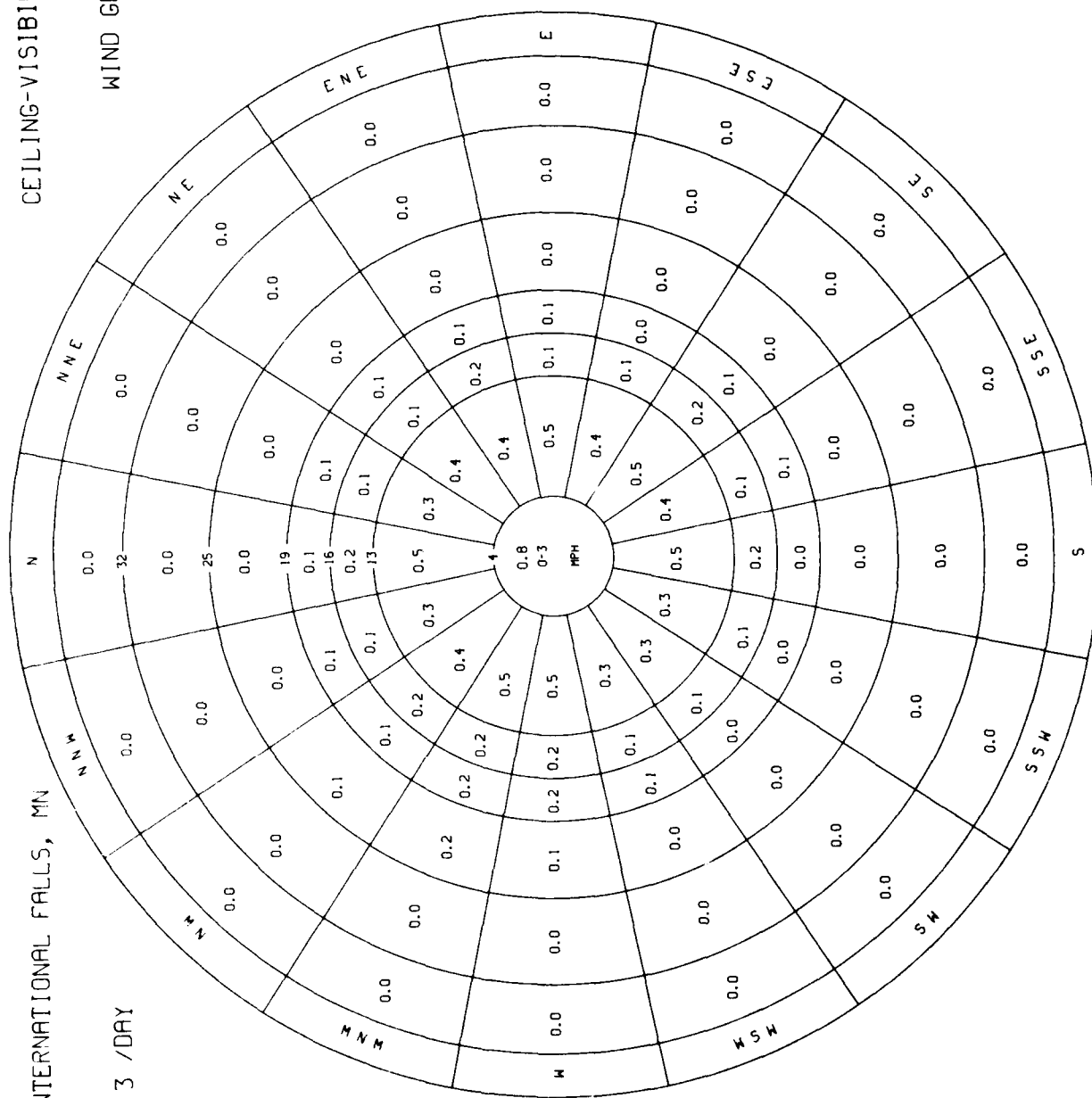
CLASS 2 / NIGHT

NO. OBS.: 6978

STATION NUMBER: 14918

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	.6	3.7	.2	1.2	.1	.9	.1	.4	.0	.1	.0	.0	1.1 6.6 11.6
NNE	.0	.2	.4	2.7	.2	1.0	.1	.6	.0	.2	.0	.1	.0	.0	.8 4.7 11.5
NE	.0	.3	.6	3.8	.2	1.1	.1	.7	.0	.2	.0	.0	.0	.0	1.0 6.2 10.7
ENE	.0	.2	.6	3.5	.1	.7	.1	.5	.0	.2	.0	.0	.0	.0	.8 5.1 10.3
E	.1	.7	.8	5.0	.2	1.0	.1	.5	.0	.2	.0	.0	.0	.0	1.2 7.4 9.6
ESE	.0	.3	.5	3.2	.2	1.0	.1	.4	.0	.1	.0	.0	.0	.0	.8 4.9 10.0
SE	.1	.5	.8	4.6	.2	1.2	.1	.6	.0	.2	.0	.0	.0	.0	1.2 7.2 9.9
SSE	.0	.2	.6	3.4	.1	.5	.1	.4	.0	.1	.0	.0	.0	.0	.8 4.6 9.6
S	.1	.5	.8	4.7	.1	.7	.1	.5	.0	.1	.0	.0	.0	.0	1.1 6.6 9.2
SSW	.1	.3	.4	2.3	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.3 8.9
SW	.1	.3	.4	2.3	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6 3.4 9.3
WSW	.0	.3	.4	2.4	.1	.4	.1	.4	.0	.2	.0	.0	.0	.0	.6 3.7 10.5
W	.1	.5	.8	5.1	.3	1.7	.2	1.4	.2	1.1	.0	.2	.0	.0	1.6 10.0 12.1
WNW	.0	.3	.7	4.4	.3	1.6	.2	1.3	.1	.8	.0	.1	.0	.0	1.4 8.5 12.2
NW	.1	.3	.6	3.8	.2	1.3	.2	1.0	.1	.7	.0	.0	.0	.0	1.2 7.2 11.8
NNW	.0	.2	.4	2.6	.1	.8	.1	.5	.1	.3	.0	.1	.0	.0	.7 4.5 11.6
CALM	1.0	6.1													1.0 6.1
TOTAL	1.9	11.5	9.4	57.3	2.5	15.1	1.7	10.2	.8	5.1	.1	.7	.0	.0	16.4 100 10.1

INL INTERNATIONAL FALLS, MN
 CLASS 3 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: INL INTERNATIONAL FALLS, MN

CLASS 3 / DAY

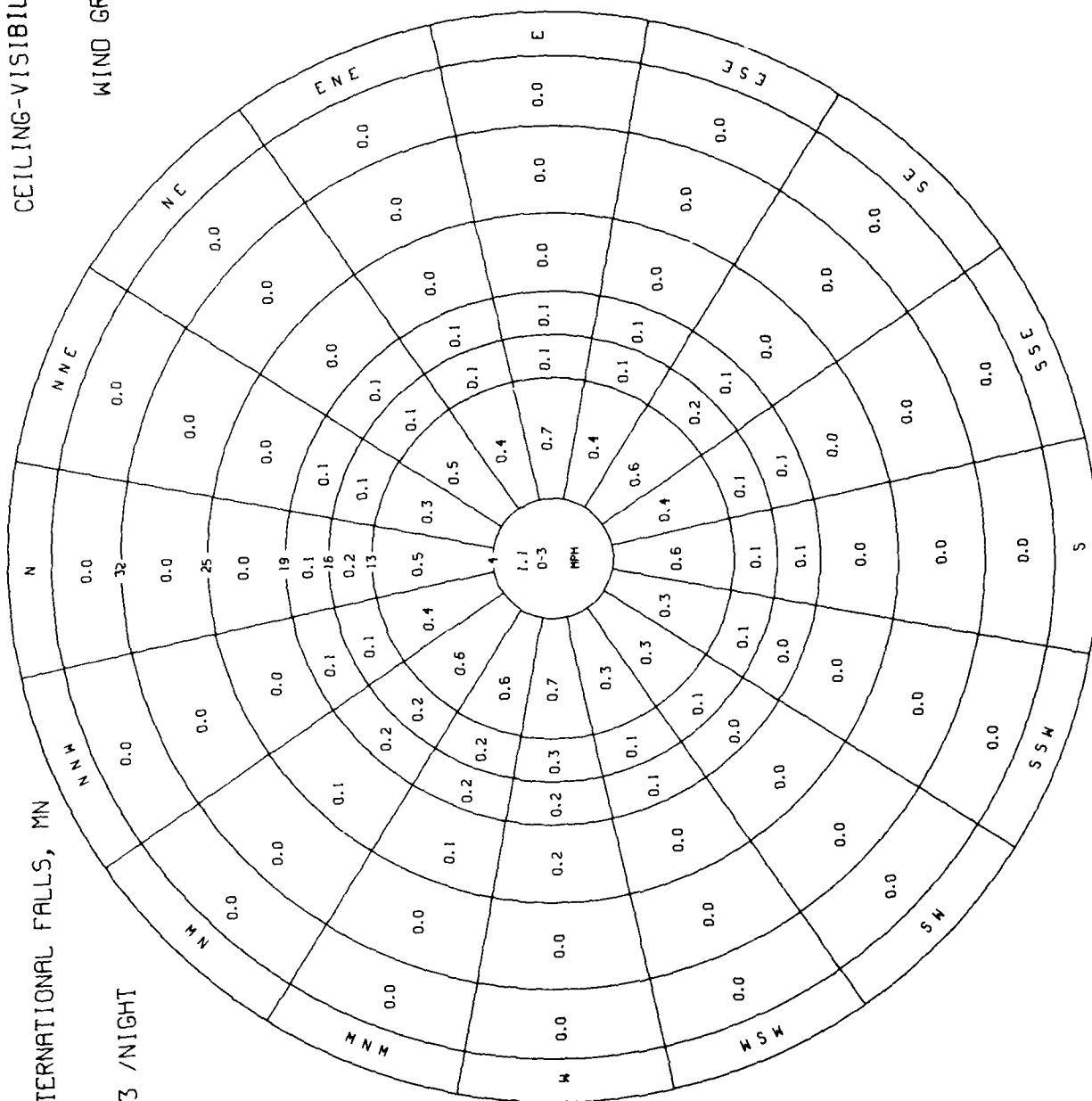
NO. OBS.: 5930

STATION NUMBER: 14918

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	.5	4.5	.2	1.6	.1	.8	.0	.4	.0	.1	.0	.0	.9	7.5	11.4
NNE	.0	.3	.3	2.5	.1	.9	.1	.6	.0	.2	.0	.0	.0	.0	.6	4.5	11.1
NE	.1	.4	.4	3.5	.1	1.1	.1	.8	.0	.2	.0	.1	.0	.0	.7	6.0	10.6
ENE	.0	.2	.4	2.9	.2	1.3	.1	.7	.0	.2	.0	.0	.0	.0	.7	5.4	11.5
E	.0	.3	.5	4.4	.1	1.1	.1	.9	.0	.3	.0	.0	.0	.0	.9	7.1	10.9
ESE	.0	.1	.4	3.5	.1	.9	.0	.4	.0	.2	.0	.0	.0	.0	.6	5.2	10.6
SE	.0	.4	.5	4.4	.2	1.3	.1	.7	.0	.2	.0	.1	.0	.0	.9	7.0	10.6
SSE	.0	.2	.4	3.6	.1	1.2	.1	.6	.0	.1	.0	.0	.0	.0	.7	5.6	10.5
S	.0	.3	.5	4.4	.2	1.2	.0	.4	.0	.1	.0	.0	.0	.0	.8	6.5	10.3
SSW	.0	.2	.3	2.3	.1	.5	.0	.3	.0	.0	.0	.0	.0	.0	.4	3.4	10.0
SW	.0	.1	.3	2.2	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.4	3.4	10.9
WSW	.0	.2	.3	2.5	.1	.7	.1	.8	.0	.4	.0	.1	.0	.0	.6	4.7	12.1
W	.0	.2	.5	4.2	.2	1.9	.2	1.8	.1	1.1	.0	.3	.0	.0	1.2	9.6	13.4
WNW	.0	.1	.5	4.1	.2	1.8	.2	1.4	.2	1.5	.0	.4	.0	.0	1.1	9.3	13.9
NW	.0	.2	.4	3.2	.2	1.6	.1	1.2	.1	.9	.0	.2	.0	.0	.9	7.3	13.1
NNW	.0	.1	.3	2.4	.1	1.0	.1	.9	.0	.4	.0	.1	.0	.0	.6	4.9	12.6
CALM	.3	2.6													.3	2.6	
TOTAL	.8	6.3	6.7	54.5	2.3	18.9	1.6	12.6	.8	6.4	.2	1.3	.0	.1	12.3	100	11.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14918

NO. OBS.: 5661

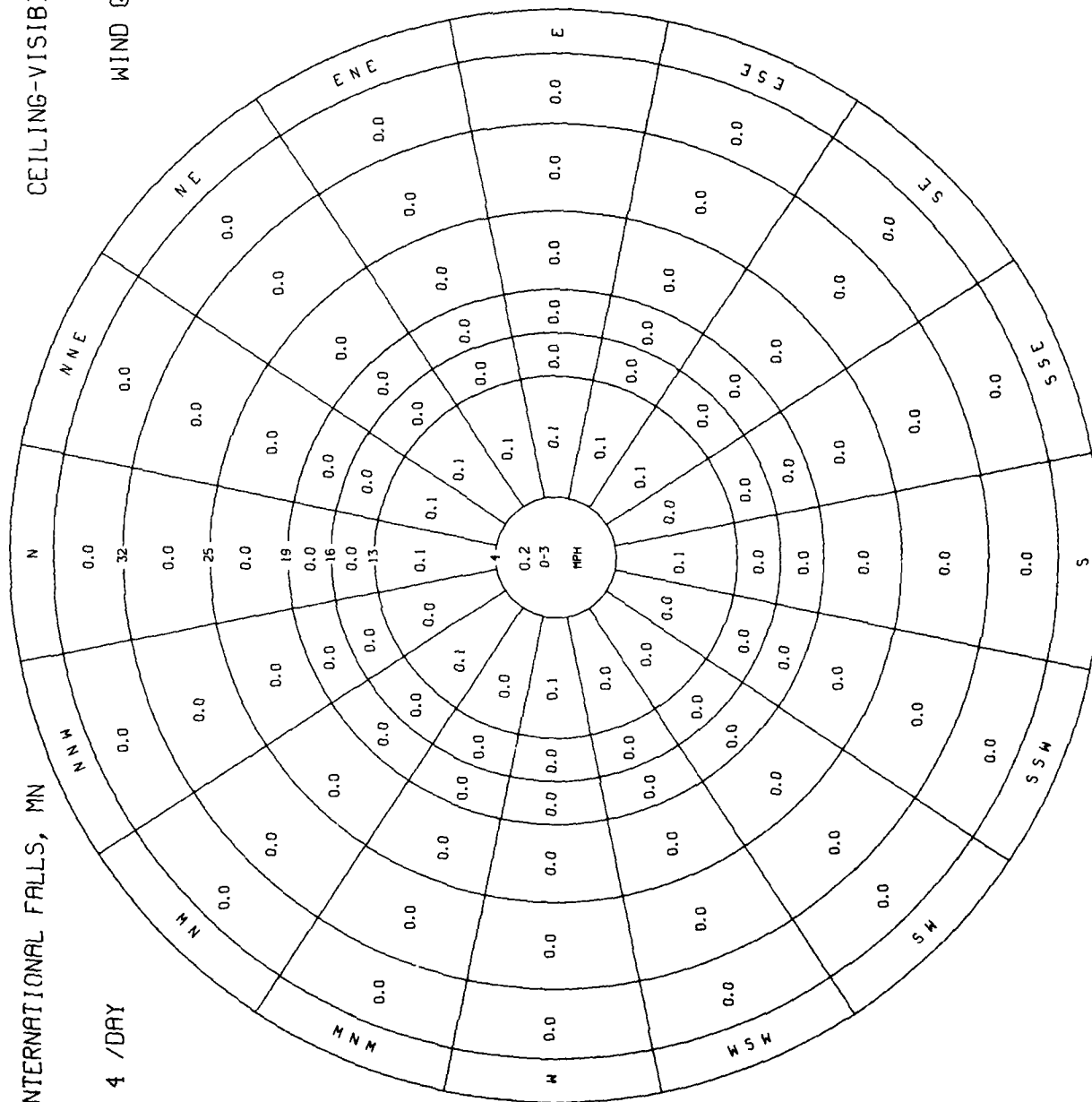
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.3	.5	3.8	.2	1.2	.1	.9	.0	.3	.0	.0	.0	.0	.9	6.6	11.3
NNE	.0	.2	.3	2.6	.1	1.0	.1	.5	.0	.1	.0	.0	.0	.0	.6	4.4	11.0
NE	.0	.2	.5	4.0	.1	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.8	6.1	10.5
ENE	.0	.2	.4	3.4	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.6	4.8	10.1
E	.1	.6	.7	5.1	.1	.9	.1	.5	.0	.2	.0	.0	.0	.0	1.0	7.3	9.6
ESE	.0	.2	.4	3.2	.1	1.0	.1	.4	.0	.1	.0	.0	.0	.0	.7	4.9	10.1
SE	.1	.4	.6	4.9	.2	1.4	.1	.6	.0	.2	.0	.0	.0	.0	1.0	7.5	10.0
SSE	.0	.2	.4	3.4	.1	.7	.1	.5	.0	.1	.0	.0	.0	.0	.6	4.8	10.0
S	.1	.4	.6	4.5	.1	.9	.1	.5	.0	.1	.0	.0	.0	.0	.9	6.4	9.6
SSW	.0	.3	.3	2.4	.1	.5	.0	.3	.0	.0	.0	.0	.0	.0	.5	3.5	9.1
SW	.0	.3	.3	2.3	.1	.5	.0	.3	.0	.1	.0	.1	.0	.0	.5	3.6	9.8
WSW	.0	.2	.3	2.4	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.5	3.9	11.1
W	.0	.4	.7	5.2	.3	2.0	.2	1.6	.2	1.2	.0	.2	.0	.0	1.4	10.5	12.4
WNW	.0	.3	.6	4.8	.2	1.8	.2	1.4	.1	.8	.0	.2	.0	.0	1.2	9.3	12.3
NW	.0	.3	.6	4.1	.2	1.5	.2	1.2	.1	.8	.0	.0	.0	.0	1.1	8.0	12.0
NNW	.0	.2	.4	2.7	.1	.9	.1	.6	.0	.3	.0	.0	.0	.0	.6	4.7	11.3
CALM	.5	3.8													.5	3.8	
TOTAL	1.1	8.5	7.8	58.8	2.2	16.3	1.5	10.9	.6	4.9	.1	.6	.0	.0	13.3	100	10.4

CEILING-VISIBILITY

WIND GRAPH

INL INTERNATIONAL FALLS, MN

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: INL INTERNATIONAL FALLS, MN

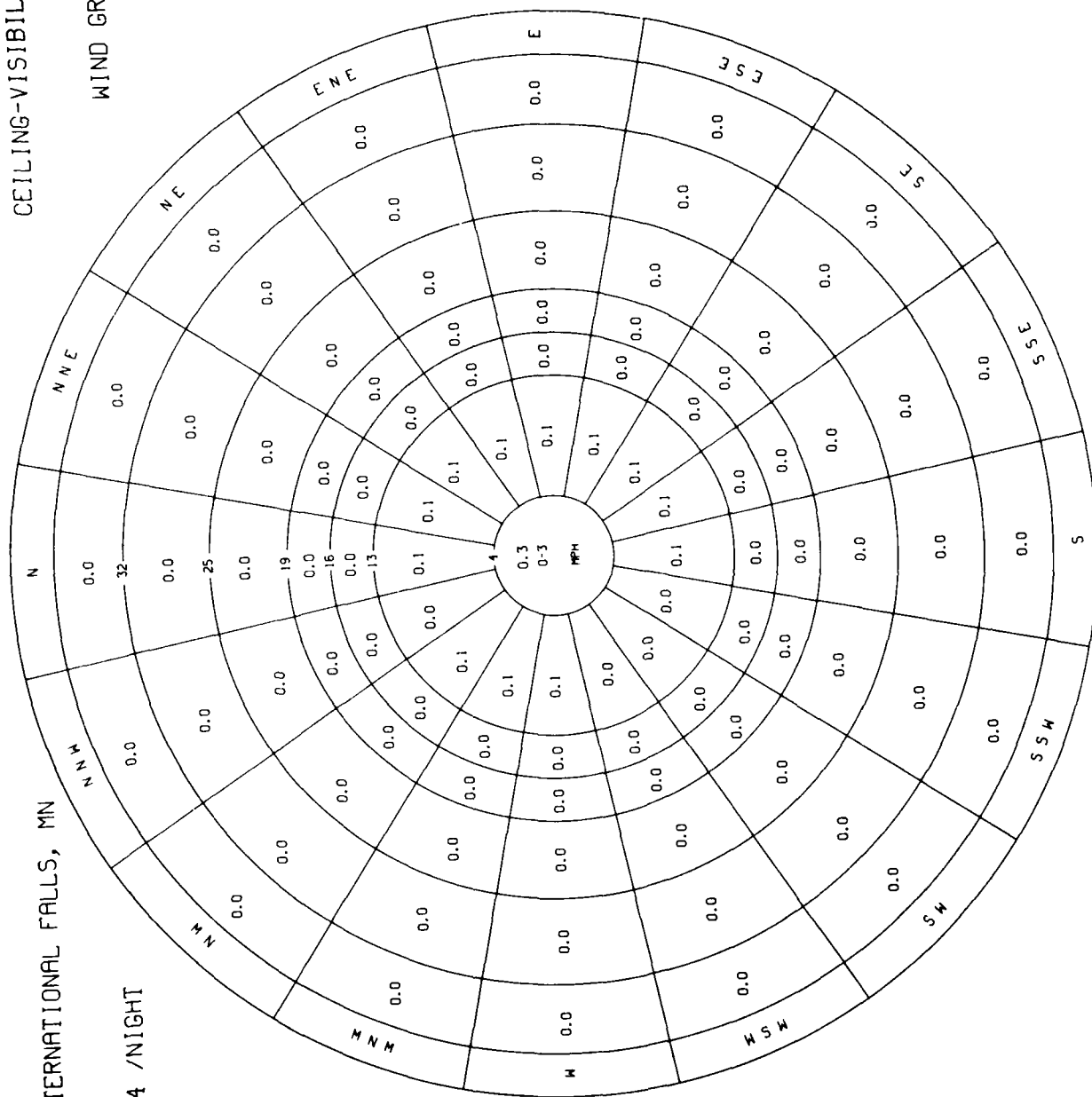
CLASS 4 / DAY

NO. OBS.: 923

STATION NUMBER: 14918

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	O	
N	.0	.3	.1	3.1	.0	1.3	.0	.9	.0	.9	.0	.1	.0	.0	.1	6.6	12.5
NNE	.0	.0	.1	3.6	.0	.8	.0	1.1	.0	.7	.0	.2	.0	.0	.1	6.3	12.8
NE	.0	.4	.1	3.9	.0	1.4	.0	.9	.0	.8	.0	.0	.0	.0	.1	7.4	11.6
ENE	.0	.1	.1	4.1	.0	1.3	.0	1.0	.0	.8	.0	.2	.0	.0	.1	7.5	12.1
E	.0	.7	.1	5.3	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.2	8.2	10.0
ESE	.0	.1	.1	4.6	.0	1.5	.0	1.0	.0	.3	.0	.0	.0	.0	.1	7.5	10.9
SE	.0	.9	.1	5.6	.0	1.3	.0	.8	.0	.2	.0	.0	.0	.0	.2	8.8	9.6
SSE	.0	.3	.0	2.6	.0	.8	.0	.2	.0	.1	.0	.0	.0	.0	.1	4.0	9.9
S	.0	.7	.1	4.9	.0	.3	.0	.1	.0	.2	.0	.0	.0	.0	.1	6.2	8.3
SSW	.0	.3	.0	1.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.4
SW	.0	.5	.0	2.3	.0	.1	.0	.3	.0	.3	.0	.1	.0	.0	.1	3.7	9.4
WSW	.0	.4	.0	1.7	.0	.4	.0	.2	.0	.3	.0	.2	.0	.0	.1	3.4	11.0
W	.0	.2	.1	4.0	.0	.9	.0	.7	.0	.8	.0	.2	.0	.0	.1	6.7	11.8
WNW	.0	.2	.0	2.6	.0	1.1	.0	.9	.0	.4	.0	.2	.0	.0	.1	5.4	12.4
NW	.0	.4	.1	3.3	.0	1.0	.0	.7	.0	.9	.0	.1	.0	.0	.1	6.3	11.9
NNW	.0	.2	.0	1.4	.0	.3	.0	.8	.0	1.0	.0	.1	.0	.0	.1	3.8	14.7
CALM	.1	6.0													.1	6.0	
TOTAL	.2	11.8	1.0	54.7	.3	14.2	.2	10.2	.1	7.6	.0	1.5	.0	.0	1.9	100	10.4

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14918

NO. OBS.: 902

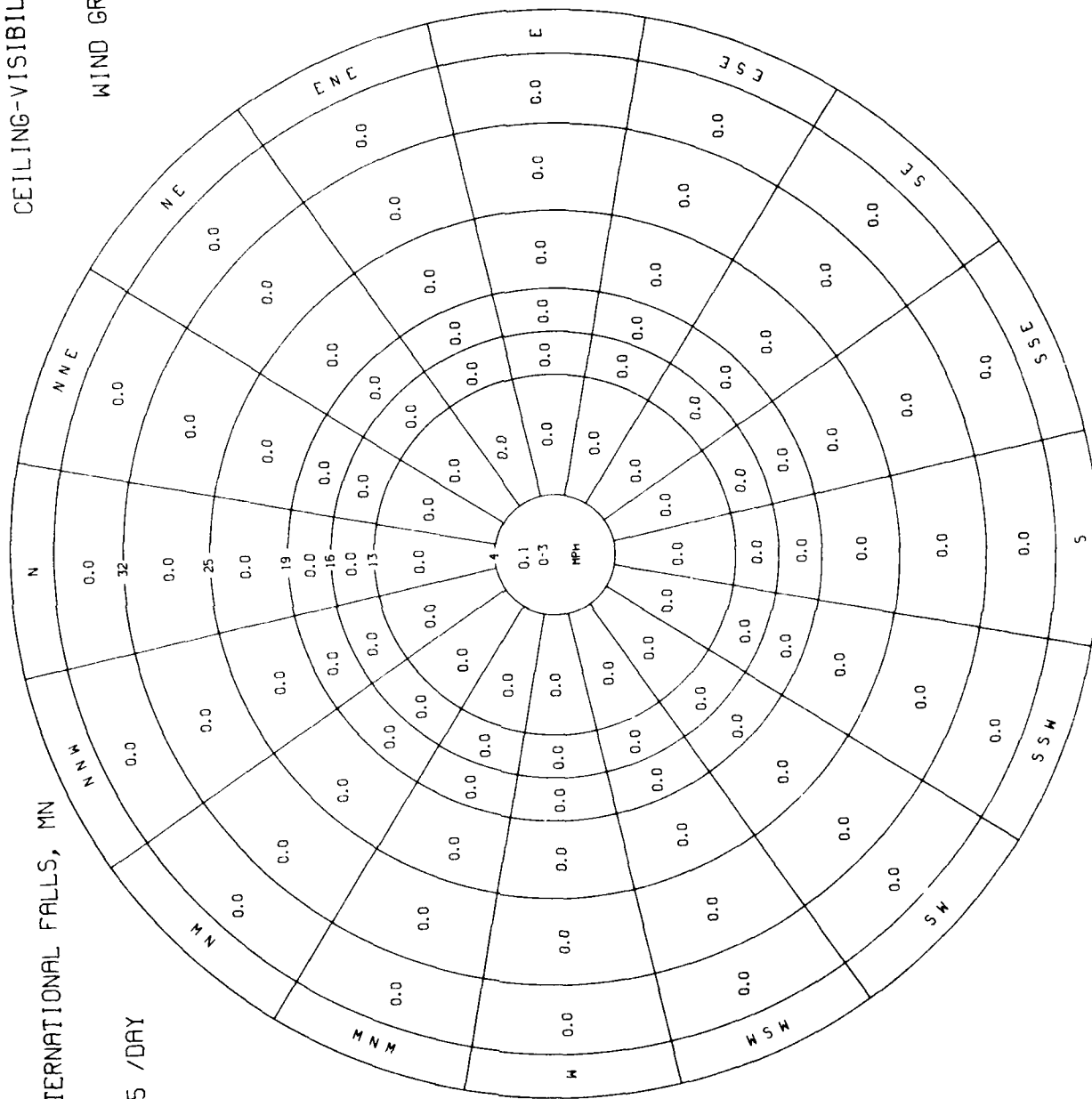
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.3	.1	3.2	.0	1.7	.0	1.6	.0	.9	.0	.2	.0	.1	.2	8.0	13.5		
NNE	.0	.1	.1	4.1	.0	1.1	.0	1.0	.0	.7	.0	.1	.0	.0	.2	7.1	12.3		
NE	.0	.3	.1	2.9	.0	1.6	.0	1.6	.0	.0	.0	.1	.0	.0	.1	6.4	12.0		
ENE	.0	.1	.1	4.1	.0	1.3	.0	.9	.0	.7	.0	.1	.0	.0	.2	7.2	11.8		
E	.0	.8	.1	5.1	.0	1.8	.0	.3	.0	.1	.0	.1	.0	.0	.2	8.2	9.9		
ESE	.0	.6	.1	4.0	.0	.7	.0	.3	.0	.1	.0	.1	.0	.0	.1	5.8	9.9		
SE	.0	.7	.1	3.0	.0	.9	.0	.8	.0	.1	.0	.0	.0	.0	.1	5.4	9.6		
SS'	.0	.4	.1	3.7	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.1	4.5	8.4		
S	.0	.6	.1	5.8	.0	.1	.0	.8	.0	.3	.0	.0	.0	.0	.2	7.5	8.8		
SSW	.0	.1	.0	1.4	.0	.1	.0	.1	.0	.2	.0	.0	.0	.0	.0	2.0	9.1		
SW	.0	.4	.0	1.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.3	7.3		
WSW	.0	.2	.0	2.1	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.1	2.7	8.9		
W	.0	.8	.1	4.5	.0	.6	.0	.7	.0	1.1	.0	.2	.0	.1	.2	8.0	11.5		
WNW	.0	.2	.1	3.0	.0	.6	.0	1.2	.0	.9	.0	.0	.0	.0	.1	5.9	12.3		
NW	.0	.2	.1	2.8	.0	.8	.0	.2	.0	.7	.0	.0	.0	.0	.1	4.7	11.2		
NNW	.0	.0	.0	2.3	.0	.9	.0	.2	.0	.7	.0	.4	.0	.0	.1	4.5	14.0		
CALM	.2	9.8													.2	9.8			
TOTAL	.3	15.6	1.1	53.7	.3	12.2	.2	10.0	.1	6.9	.0	1.4	.0	.2	2.1	100	9.9		

CEILING-VISIBILITY

WIND GRAPH

INL INTERNATIONAL FALLS, MN

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

CLASS 5 / DAY

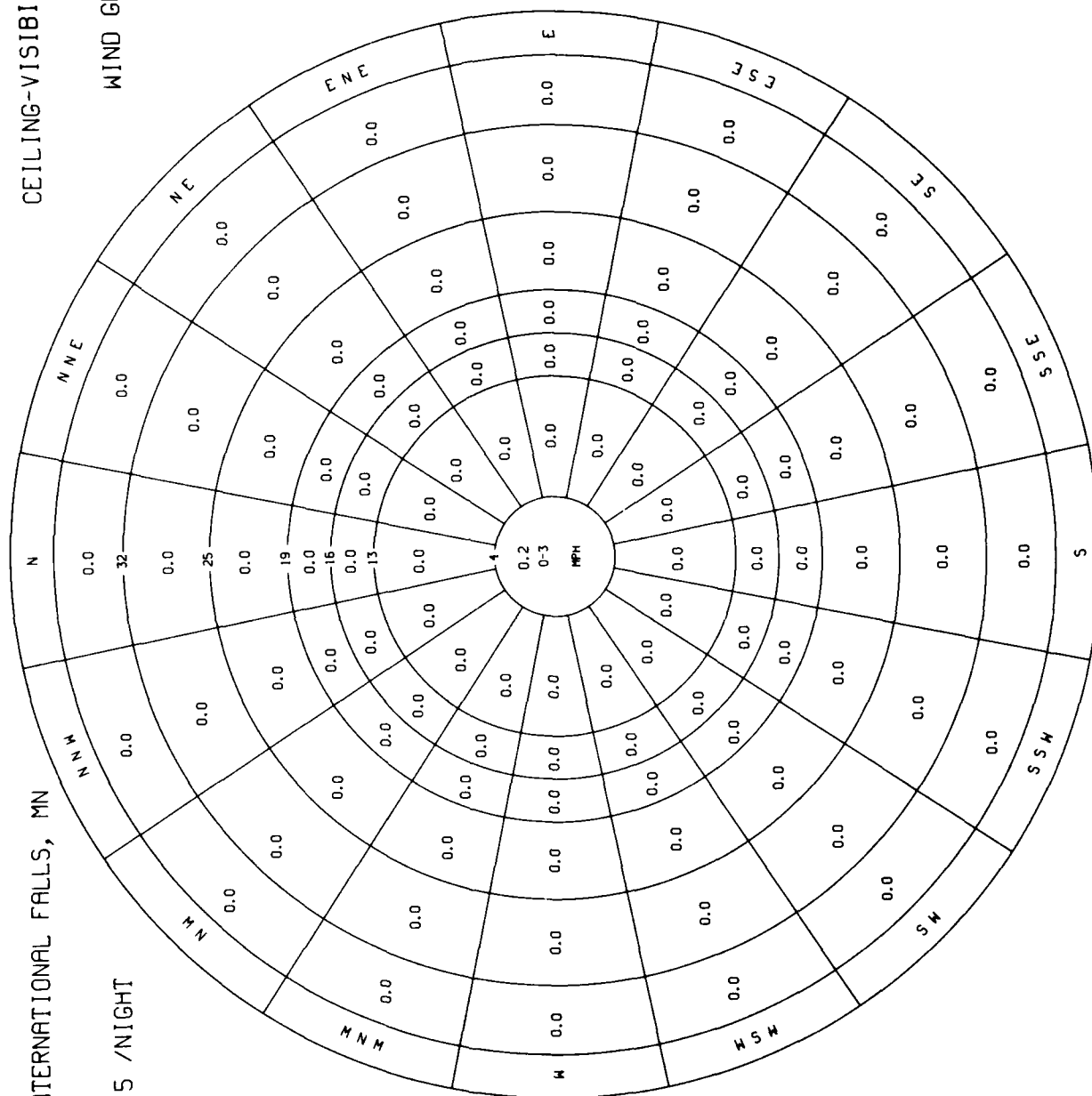
STATION NUMBER: 14918

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		O
N	.0	.9	.0	2.1	.0	1.7	.0	.0	.0	2.6	.0	.0	.0	.0	.0	7.2	13.7
NNE	.0	.4	.0	2.1	.0	1.7	.0	1.3	.0	1.3	.0	.9	.0	.0	.0	7.7	15.7
NE	.0	.0	.0	2.1	.0	1.7	.0	1.7	.0	.4	.0	.9	.0	.0	.0	6.8	14.8
ENE	.0	.0	.0	4.3	.0	1.3	.0	.9	.0	.0	.0	.9	.0	.0	.0	7.2	12.8
E	.0	.9	.0	7.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	7.4
ESE	.0	.0	.0	5.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	8.9
SE	.0	1.7	.0	2.1	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	5.1	9.2
SSE	.0	.4	.0	3.4	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	4.7	10.0
S	.0	1.3	.0	5.5	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	7.7	7.1
SSW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.7
SW	.0	.4	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.9
WSW	.0	1.3	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.5
W	.0	.4	.0	3.0	.0	.0	.0	.0	.0	.9	.0	.4	.0	.0	.0	4.7	10.9
WNW	.0	.4	.0	2.6	.0	.0	.0	.4	.0	.4	.0	1.3	.0	.0	.0	5.1	14.7
NW	.0	.4	.0	2.1	.0	.0	.0	.9	.0	.4	.0	.0	.0	.0	.0	3.8	10.0
NNW	.0	.4	.0	1.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.1	7.8
CALM	.1	12.8													.1	12.8	
TOTAL	.1	23.0	.2	50.6	.0	8.5	.0	6.0	.0	7.7	.0	4.3	.0	.0	.5	100	9.3

INL INTERNATIONAL FALLS, MN

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

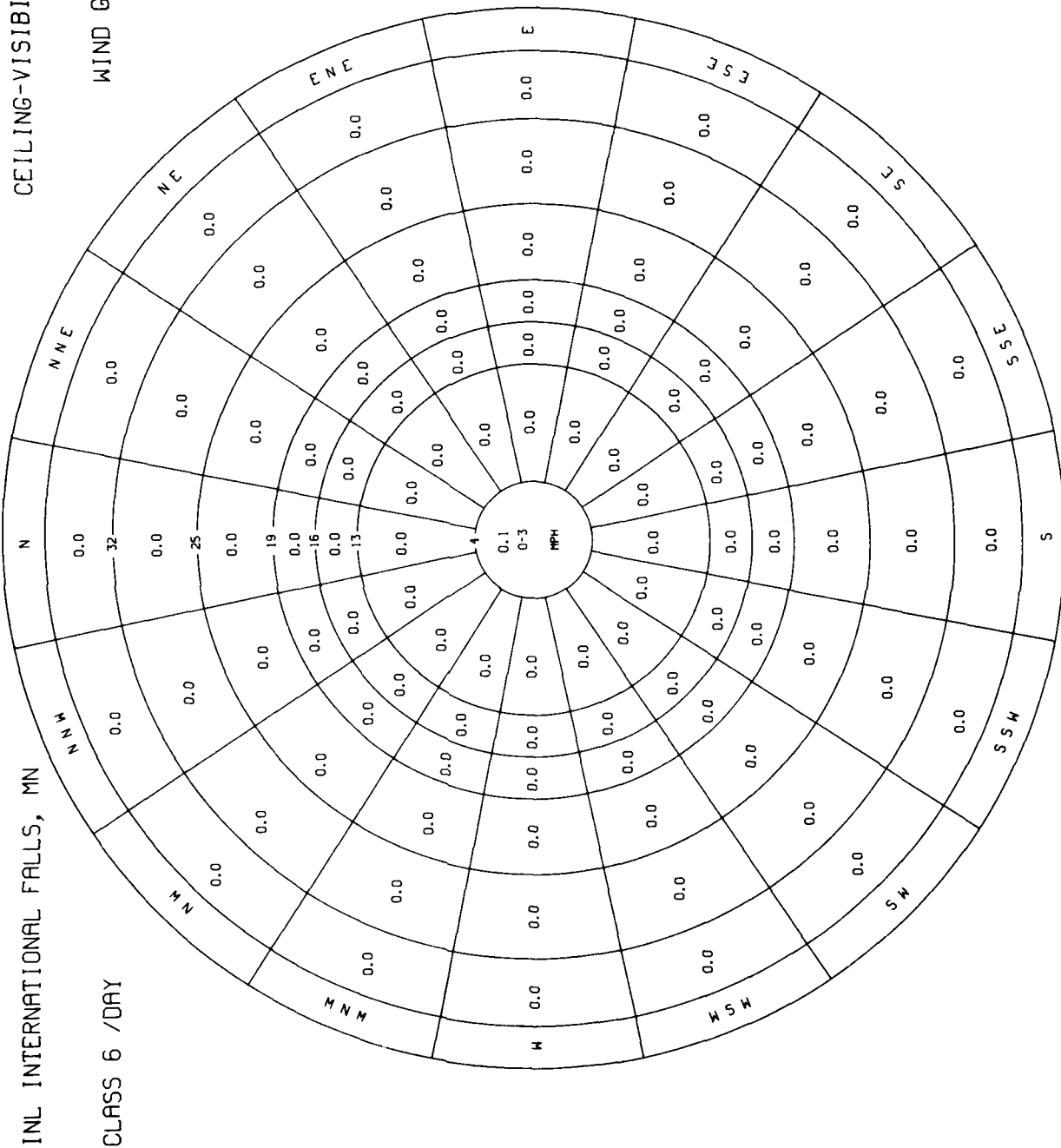
CLASS 5 / NIGHT

STATION NUMBER: 14918

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	
N	.0	1.1	.0	2.5	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0 4.3 8.7
NNE	.0	.4	.0	1.1	.0	1.4	.0	.7	.0	.7	.0	.7	.0	.0	.0 5.0 14.8
NE	.0	1.1	.0	2.9	.0	2.1	.0	.4	.0	.7	.0	.4	.0	.0	.0 7.5 11.7
ENE	.0	1.4	.0	4.3	.0	.0	.0	.4	.0	.7	.0	.0	.0	.0	.0 6.8 8.8
E	.0	1.4	.0	4.6	.0	1.1	.0	.0	.0	.7	.0	.0	.0	.0	.1 7.9 9.3
ESE	.0	.4	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5 9.4
SE	.0	.7	.0	6.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 7.5 8.0
SSE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5 7.1
S	.0	1.8	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1 5.2
SSW	.0	.7	.0	3.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 5.0 6.8
SW	.0	1.1	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9 5.7
WSW	.0	1.8	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6 5.1
W	.0	1.4	.0	4.3	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0 6.4 7.8
WNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8 9.2
NW	.0	.4	.0	1.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 2.1 6.8
NNW	.0	.0	.0	1.8	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0 2.5 9.7
CALM	.2	23.6													.2 23.6
TOTAL	.2	37.1	.3	48.6	.0	6.8	.0	2.1	.0	3.9	.0	1.4	.0	.0	.7 100 6.5

CEILING-VISIBILITY WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

CLASS 6 / DAY

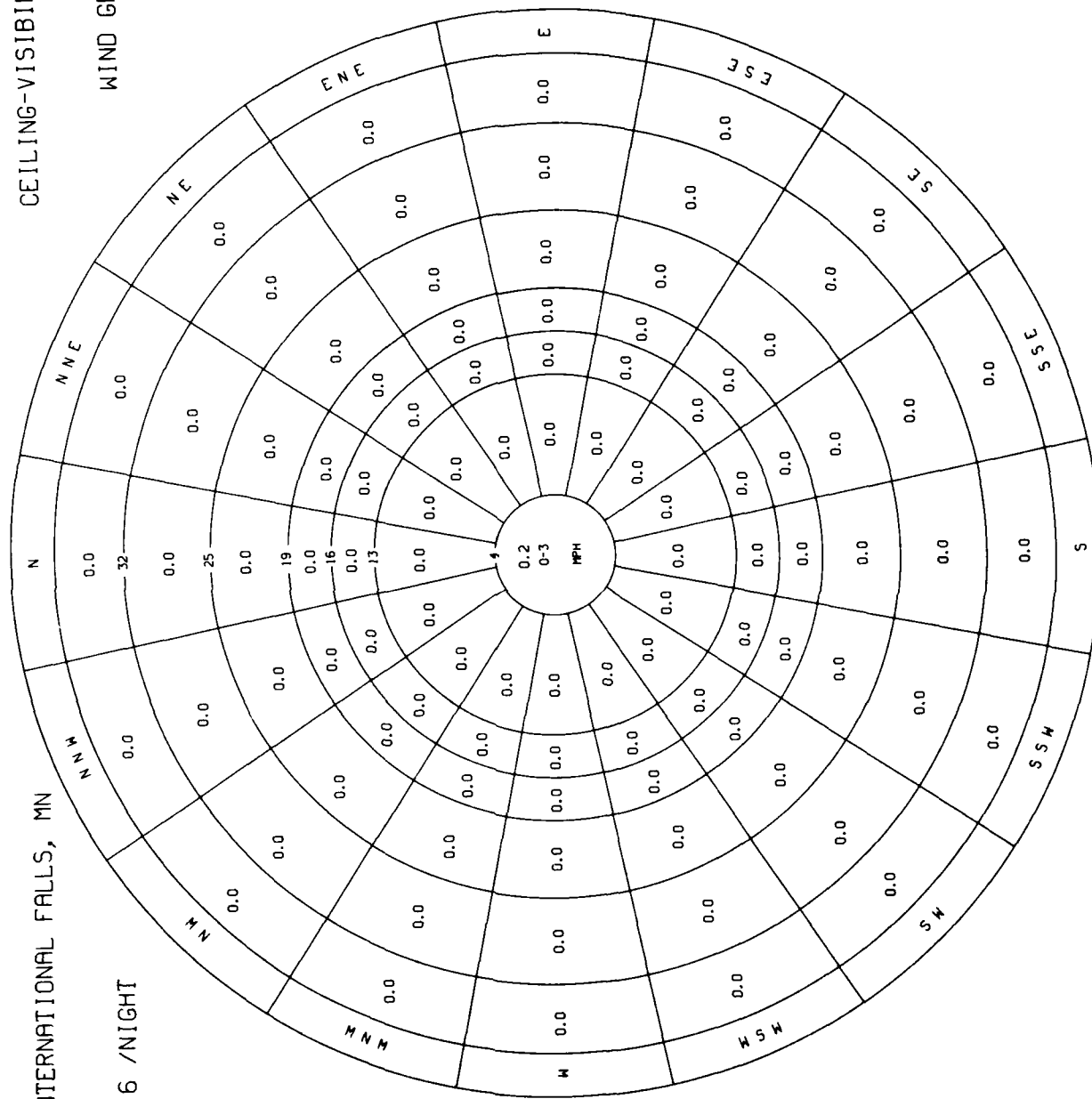
STATION NUMBER: 14918

NO. OBS.: 107

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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	2.0
NNE	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	5.6	10.2
NE	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.7
ENE	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	3.7	9.0
E	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
ESE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	9.0
SE	.0	3.7	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	5.4
SSE	.0	2.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	4.3
S	.0	3.7	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.3	5.1
SSW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	3.7	11.2
SW	.0	1.9	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	5.6
WSW	.0	2.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.7
W	.0	2.8	.0	5.6	.0	.0	.0	.0	.0	.9	.0	.9	.0	.0	.0	10.3	10.1
NNW	.0	.9	.0	1.9	.0	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	4.7	12.8
NW	.0	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.9	11.0
NNW	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.2
CALM	.1	25.2													.1	25.2	
TOTAL	.1	50.5	.1	41.1	.0	.0	.0	.0	1.9	.0	4.7	.0	1.9	.0	.0	2	100
																	5.5

INL INTERNATIONAL FALLS, MN

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: INL INTERNATIONAL FALLS, MN

PERIOD: 1948-1978

CLASS 6 / NIGHT

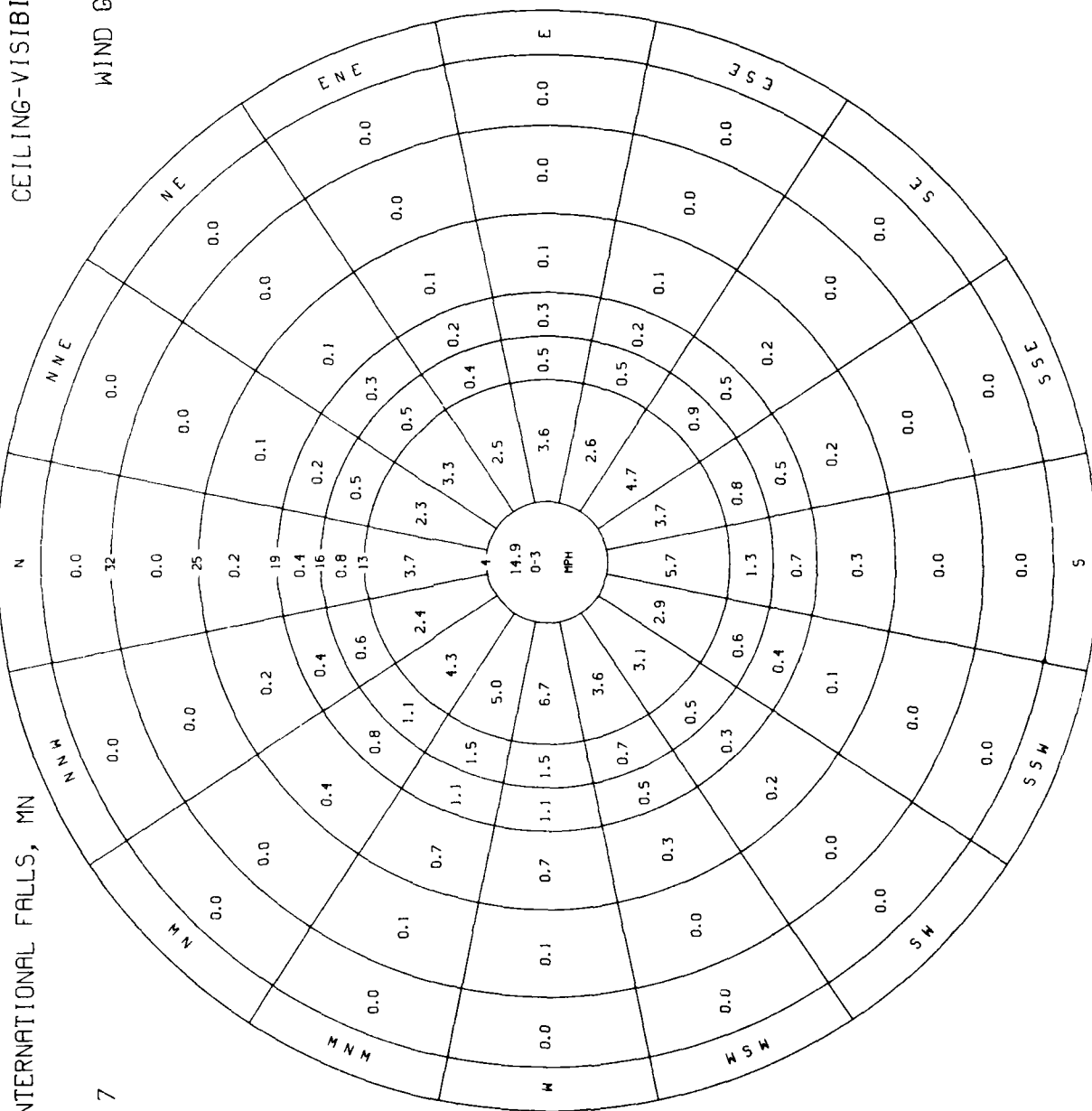
STATION NUMBER: 14918

NO. OBS.: 135

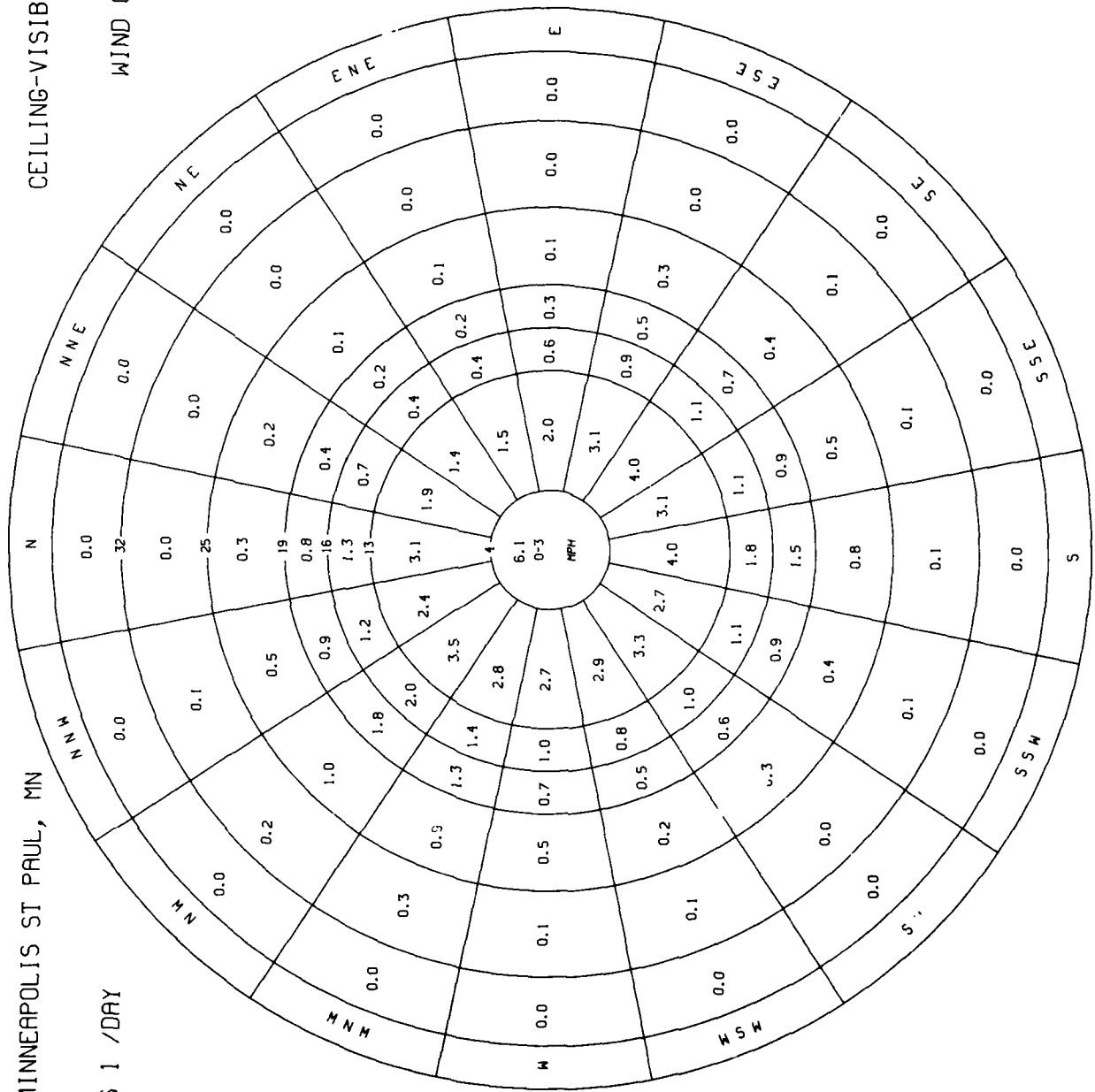
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	5.2	11.6
NNE	.0	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	3.0	12.2
NE	.0	.7	.0	.7	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	3.0	12.0
ENE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.7
E	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.2
ESE	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.7
SE	.0	1.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	5.7
SSE	.0	.7	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.0
S	.0	2.2	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	5.3
SSW	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.0
SW	.0	.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.0
WSW	.0	.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.2
W	.0	2.2	.0	6.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.6	6.8
WNW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	3.0	10.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	43.7														.1	43.7	
TOTAL	.2	54.8	.1	39.3	.0	.7	.0	2.2	.0	3.0	.0	.0	.0	.0	.0	.3	100	4.1

CEILING-VISIBILITY

WIND GRAPH



MSP MINNEAPOLIS ST PAUL, MN
 CLASS 1 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14922

NO. OBS.: 43187

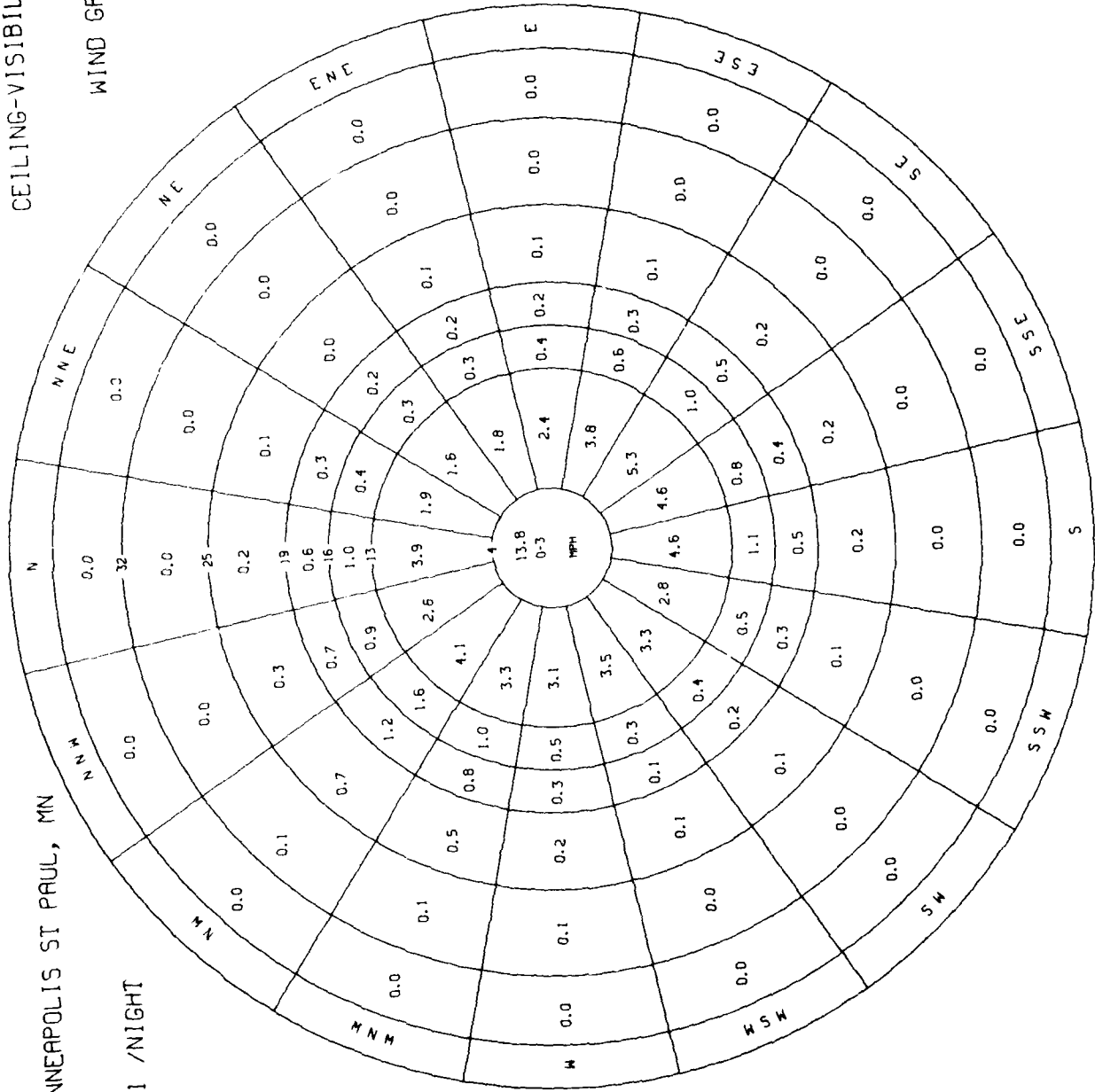
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	3.1	3.5	1.3	1.4	.8	.9	.3	.3	.0	.0	.0	.0	5.7	6.5	11.4
NNE	.1	.2	1.9	2.1	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	3.3	3.7	11.5
NE	.2	.2	1.4	1.6	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	2.4	2.7	10.4
ENE	.2	.2	1.5	1.7	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.4	2.7	10.6
E	.3	.3	2.0	2.3	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	3.4	3.9	10.5
ESE	.3	.3	3.1	3.6	.9	1.1	.5	.6	.3	.3	.0	.0	.0	.0	5.2	5.9	10.8
SE	.4	.5	4.0	4.6	1.1	1.3	.7	.8	.4	.5	.1	.1	.0	.0	6.8	7.7	10.9
SSE	.3	.3	3.1	3.6	1.1	1.3	.9	1.0	.5	.6	.1	.1	.0	.0	6.0	6.8	11.9
S	.5	.5	4.0	4.6	1.8	2.0	1.5	1.7	.8	.9	.1	.2	.0	.0	8.7	9.9	12.4
SSW	.5	.5	2.7	3.1	1.1	1.2	.9	1.0	.4	.5	.1	.1	.0	.0	5.7	6.4	11.8
SW	.5	.6	3.3	3.8	1.0	1.2	.6	.7	.3	.4	.0	.0	.0	.0	5.9	6.7	10.7
WSW	.3	.3	2.9	3.3	.8	.9	.5	.5	.2	.2	.1	.1	.0	.0	4.7	5.3	10.7
W	.3	.3	2.7	3.1	1.0	1.2	.7	.8	.5	.6	.1	.2	.0	.0	5.4	6.1	12.2
WNW	.2	.2	2.8	3.2	1.4	1.6	1.3	1.5	.9	1.1	.3	.3	.0	.0	7.0	7.9	13.9
NW	.2	.2	3.5	4.0	2.0	2.2	1.8	2.0	1.0	1.2	.2	.2	.0	.0	8.7	9.9	13.5
NNW	.2	.2	2.4	2.7	1.2	1.4	.9	1.1	.5	.5	.1	.1	.0	.0	5.3	6.0	12.8
CALM	1.5	1.7													1.5	1.7	
TOTAL	6.1	7.0	44.6	50.6	16.9	19.2	12.3	13.9	6.6	7.5	1.4	1.6	.1	.2	88.0	100	11.7

CEILING-VISIBILITY

WIND GRAPH

MSP MINNEAPOLIS ST PAUL, MN

CLASS 1 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14922

NO. OBS.: 36620

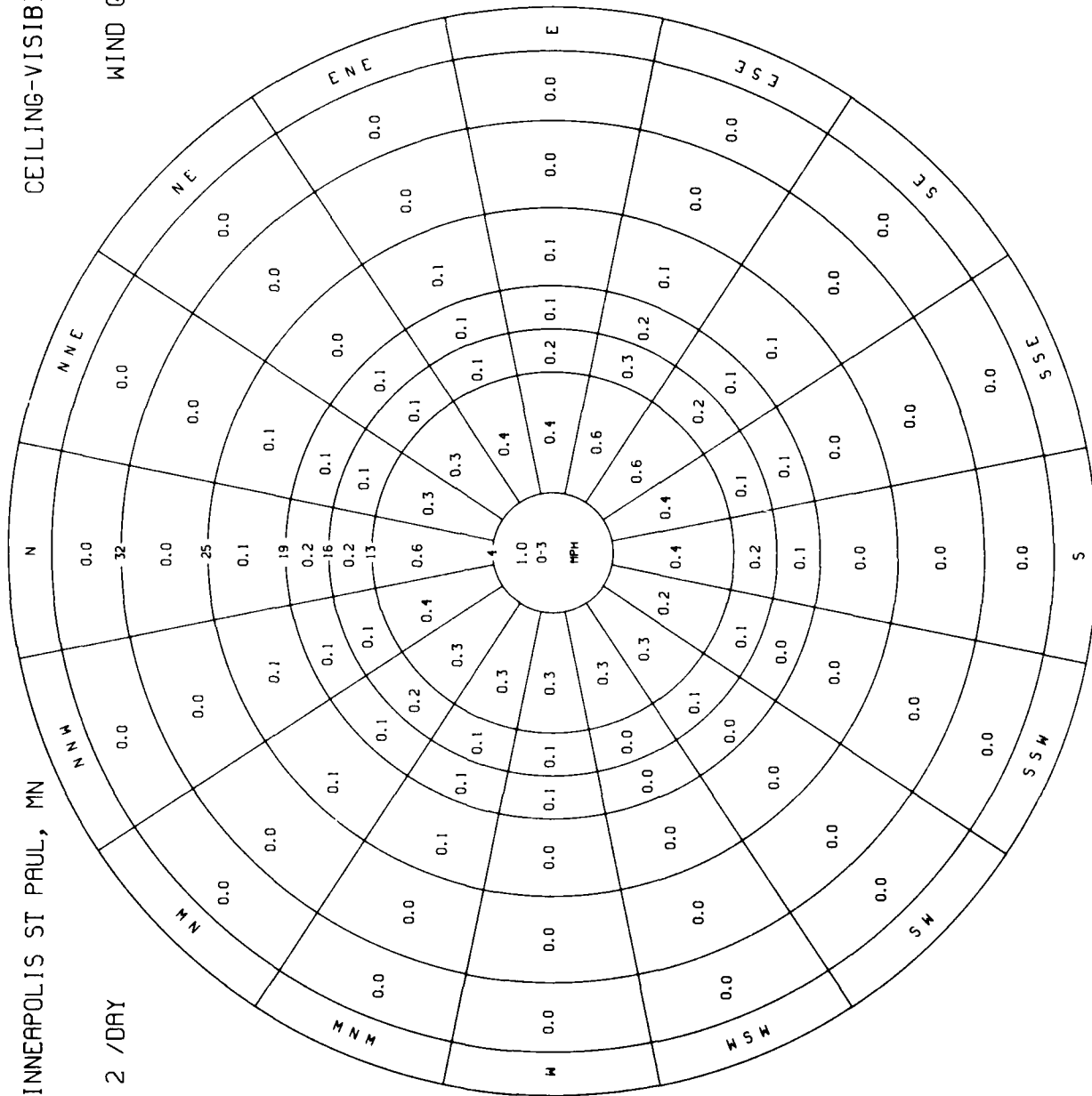
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.6	.6	3.9	4.4	1.0	1.1	.6	.7	.2	.3	.0	.0	.0	.0	6.3	7.2	10.0
NNE	.2	.2	1.9	2.2	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.9	3.3	10.0
NE	.3	.3	1.6	1.8	.3	.3	.2	.2	.0	.1	.0	.0	.0	.0	2.4	2.7	9.1
ENE	.3	.3	1.8	2.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.7	3.0	9.2
E	.4	.4	2.4	2.8	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.6	4.1	9.2
ESE	.6	.6	3.8	4.3	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	5.5	6.2	8.9
SE	.9	1.0	5.3	6.1	1.0	1.1	.5	.5	.2	.2	.0	.0	.0	.0	7.9	9.0	9.0
SSE	.6	.6	4.6	5.2	.8	.9	.4	.4	.2	.2	.0	.0	.0	.0	6.5	7.3	9.4
S	1.0	1.1	4.6	5.2	1.1	1.2	.5	.6	.2	.2	.0	.0	.0	.0	7.3	8.3	9.2
SSW	.9	1.0	2.8	3.2	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	4.6	5.2	8.4
SW	1.2	1.4	3.3	3.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	5.2	5.9	7.4
WSW	.7	.8	3.5	4.0	.3	.4	.1	.1	.1	.1	.0	.0	.0	.0	4.8	5.4	7.8
W	.6	.6	3.1	3.6	.5	.6	.3	.3	.2	.2	.1	.1	.0	.0	4.8	5.4	9.5
WNW	.4	.5	3.3	3.7	1.0	1.2	.8	.9	.5	.5	.1	.1	.0	.0	6.2	7.0	11.4
NW	.4	.5	4.1	4.6	1.6	1.8	1.2	1.4	.7	.8	.1	.2	.0	.0	8.2	9.3	12.0
NNW	.3	.4	2.6	3.0	.9	1.1	.7	.8	.3	.3	.0	.1	.0	.0	5.0	5.6	11.3
CALM	4.5	5.1													4.5	5.1	
TOTAL	13.8	15.6	52.8	59.8	11.3	12.8	6.7	7.6	3.1	3.5	.6	.6	.1	.1	88.2	100	9.1

MSP MINNEAPOLIS ST PAUL, MN

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14922

NO. OBS.: 5886

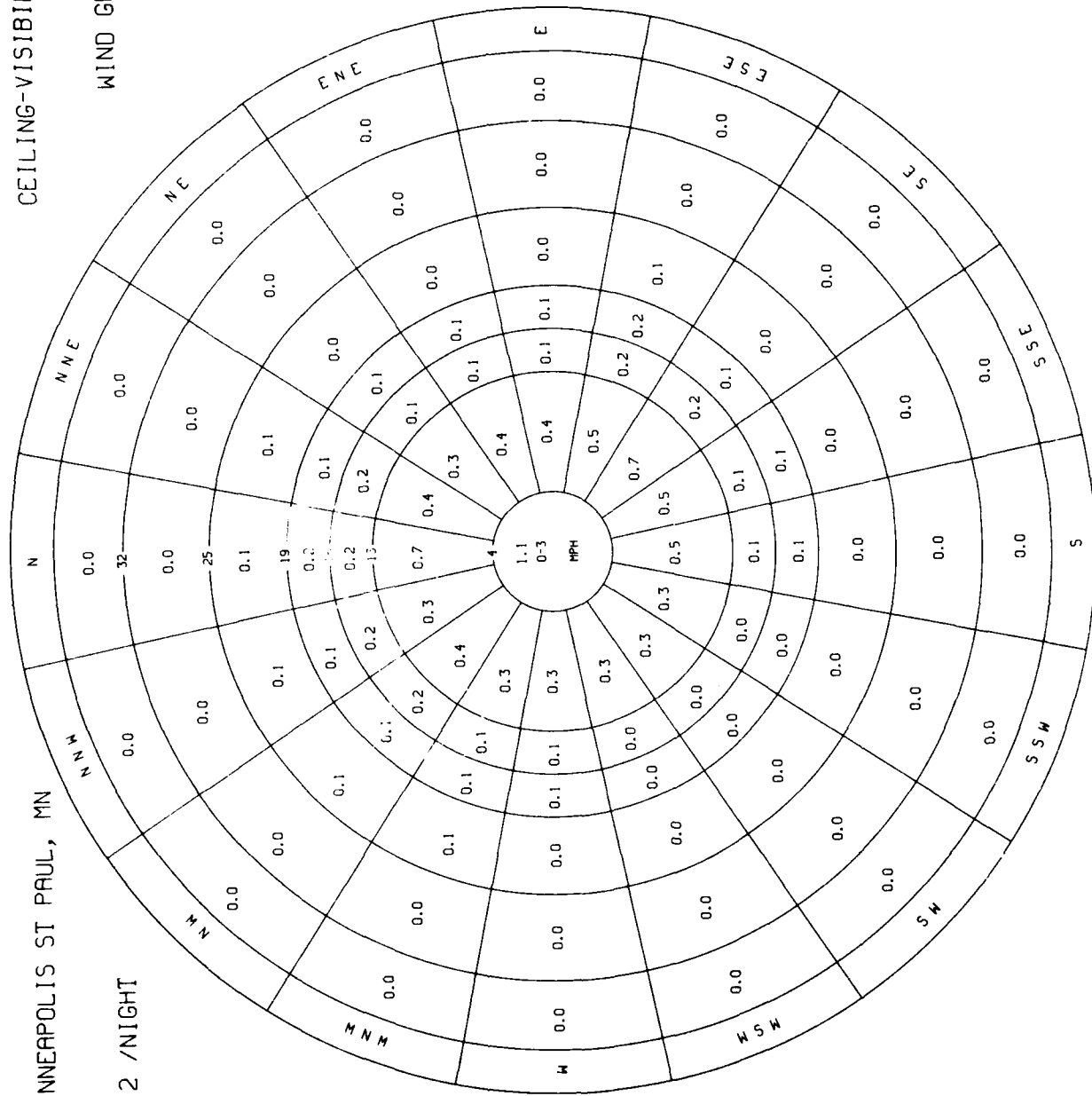
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.6	5.2	.2	1.8	.2	1.8	.1	.9	.0	.2	.0	.0	1.2	10.2	12.5
NNE	.0	.3	.3	2.9	.1	1.1	.1	1.0	.1	.6	.0	.3	.0	.0	.7	6.2	12.9
NE	.0	.3	.3	2.8	.1	.9	.1	.7	.0	.4	.0	.0	.0	.0	.6	5.0	11.1
ENE	.0	.4	.4	3.1	.1	1.1	.1	.8	.1	.6	.0	.2	.0	.0	.7	6.2	12.3
E	.0	.3	.4	3.4	.2	1.5	.1	.8	.1	.6	.0	.1	.0	.0	.8	6.8	12.0
ESE	.1	.6	.6	5.3	.3	2.2	.2	1.5	.1	.5	.0	.0	.0	.0	1.2	10.1	11.3
SE	.1	.6	.6	5.4	.2	1.7	.1	1.1	.1	.4	.0	.0	.0	.0	1.1	9.3	10.8
SSE	.0	.4	.4	3.3	.1	1.1	.1	.6	.0	.2	.0	.0	.0	.0	.7	5.6	10.5
S	.1	.5	.4	3.6	.2	1.3	.1	.4	.0	.2	.0	.1	.0	.0	.7	6.0	10.3
SSW	.0	.4	.2	1.9	.1	.4	.0	.4	.0	.0	.0	.1	.0	.0	.4	3.1	9.9
SW	.1	.5	.3	2.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.7	9.2
WSW	.0	.3	.3	2.7	.0	.4	.0	.2	.0	.1	.0	.1	.0	.1	.5	3.8	9.9
W	.0	.4	.3	2.4	.1	.5	.1	.5	.0	.2	.0	.1	.0	.0	.5	4.1	11.1
WNW	.0	.3	.3	2.1	.1	.9	.1	.6	.1	.5	.0	.2	.0	.0	.6	4.7	12.9
NW	.0	.4	.3	2.8	.2	1.4	.1	1.2	.1	.7	.0	.1	.0	.0	.8	6.5	12.8
NNW	.0	.2	.4	3.0	.1	1.2	.1	.9	.1	.7	.0	.0	.0	.0	.7	6.0	12.5
CALM	.3	2.5													.3	2.5	
TOTAL	1.0	8.5	6.3	52.2	2.2	18.1	1.5	12.6	.8	6.7	.2	1.5	.0	.3	12.0	100	11.3

CEILING-VISIBILITY

WIND GRAPH

MSP MINNEAPOLIS ST PAUL, MN

CLASS 2 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

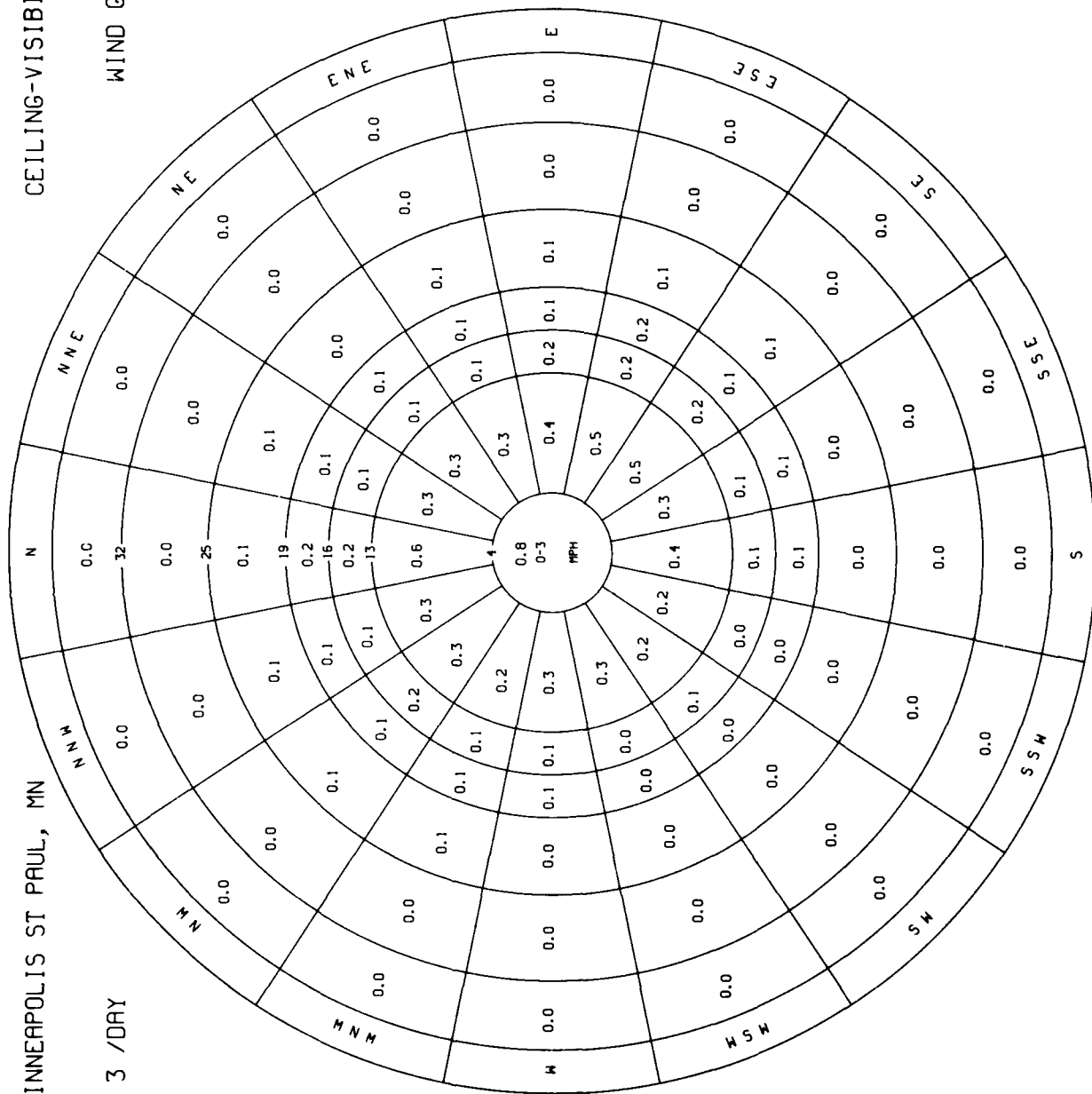
CLASS 2 / NIGHT

STATION NUMBER: 14922

NO. OBS.: 4882

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	.5	.7	5.7	.2	2.1	.2	1.6	.1	.9	.0	.1	.0	.0	1.3	10.9	12.0
NNE	.0	.3	.4	3.3	.2	1.4	.1	1.0	.1	.6	.0	.1	.0	.0	.8	6.7	12.3
NE	.0	.2	.3	2.4	.1	.6	.1	.5	.0	.3	.0	.2	.0	.0	.5	4.3	11.7
ENE	.0	.2	.4	3.5	.1	.7	.1	.7	.0	.4	.0	.2	.0	.0	.7	5.7	11.5
E	.1	.5	.4	3.6	.1	1.1	.1	.8	.0	.3	.0	.0	.0	.0	.7	6.3	10.7
ESE	.1	.5	.5	4.7	.2	1.7	.2	1.4	.1	.5	.0	.0	.0	.0	1.0	8.8	11.5
SE	.1	.7	.7	5.8	.2	1.4	.1	.9	.0	.4	.0	.1	.0	.0	1.1	9.3	10.4
SSE	.1	.5	.5	3.8	.1	.9	.1	.7	.0	.2	.0	.0	.0	.0	.7	6.1	10.3
S	.1	.7	.5	3.9	.1	1.1	.1	.5	.0	.1	.0	.0	.0	.0	.7	6.2	9.7
SSW	.1	.5	.3	2.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.5	8.9
SW	.0	.4	.3	2.4	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.4	9.4
WSW	.1	.5	.3	2.4	.0	.3	.0	.2	.0	.2	.0	.0	.0	.1	.4	3.6	9.2
W	.1	.6	.3	2.8	.1	.5	.1	.5	.0	.2	.0	.1	.0	.0	.6	4.7	10.4
WNW	.0	.3	.3	2.5	.1	1.1	.1	.5	.1	.6	.0	.3	.0	.0	.6	5.3	12.5
NW	.0	.3	.4	3.3	.2	1.4	.1	.7	.1	.6	.0	.3	.0	.0	.8	6.7	12.4
NNW	.0	.3	.3	2.6	.2	1.4	.1	.9	.1	.5	.0	.2	.0	.0	.7	6.0	12.6
CALM	.3	2.3													.3	2.3	
TOTAL	1.1	9.2	6.5	55.1	1.9	16.5	1.3	11.4	.7	5.9	.2	1.6	.0	.2	11.8	100	10.9

MSP MINNEAPOLIS ST PAUL, MN
 CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

CLASS 3 / DAY

NO. OBS.: 5174

STATION NUMBER: 14922

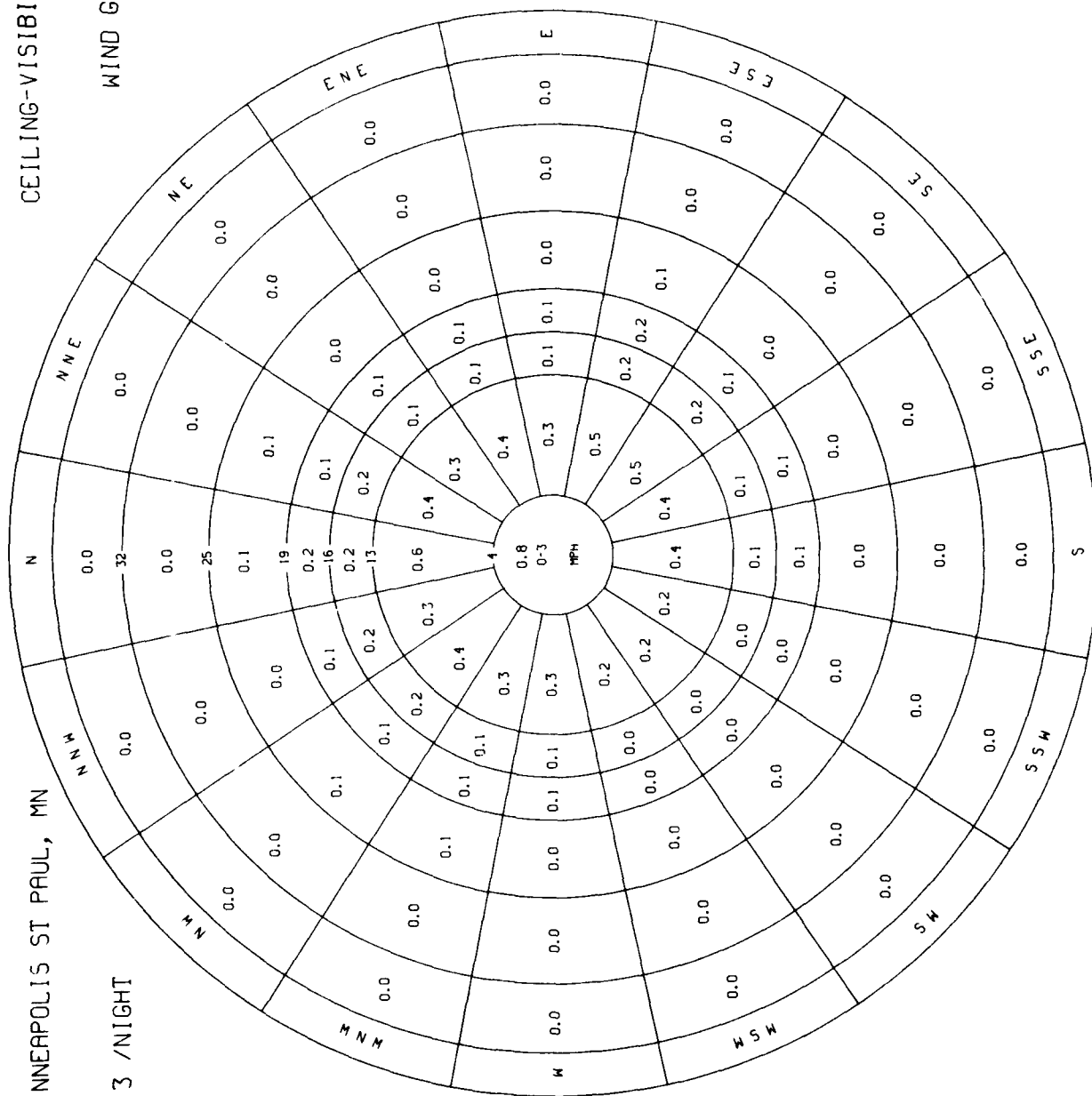
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.6	5.3	.2	1.9	.2	1.9	.1	.8	.0	.1	.0	.0	1.1 10.3 12.4
NNE	.0	.2	.3	2.9	.1	1.2	.1	1.0	.1	.5	.0	.2	.0	.0	.6 6.1 12.8
NE	.0	.3	.3	2.8	.1	.9	.1	.6	.0	.3	.0	.0	.0	.0	.5 5.0 11.0
ENE	.0	.3	.3	3.2	.1	1.2	.1	.8	.1	.5	.0	.2	.0	.0	.7 6.3 12.2
E	.0	.2	.4	3.4	.2	1.6	.1	.9	.1	.6	.0	.1	.0	.0	.7 6.9 12.3
ESE	.0	.4	.5	4.9	.2	2.4	.2	1.6	.1	.5	.0	.0	.0	.0	1.0 9.8 11.8
SE	.1	.5	.5	5.0	.2	1.8	.1	1.1	.1	.5	.0	.0	.0	.0	.9 9.0 11.2
SSE	.0	.3	.3	3.1	.1	1.2	.1	.7	.0	.3	.0	.0	.0	.0	.6 5.5 10.9
S	.0	.4	.4	3.4	.1	1.3	.1	.5	.0	.2	.0	.1	.0	.0	.6 5.8 10.7
SSW	.0	.3	.2	1.9	.0	.4	.0	.4	.0	.0	.0	.1	.0	.0	.3 3.1 10.2
SW	.0	.4	.2	2.3	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.4 3.6 9.6
WSW	.0	.2	.3	2.8	.0	.5	.0	.2	.0	.1	.0	.1	.0	.0	.4 3.9 10.1
W	.0	.4	.3	2.5	.1	.6	.1	.6	.0	.3	.0	.1	.0	.0	.5 4.4 11.1
WNW	.0	.2	.2	2.2	.1	1.0	.1	.7	.1	.5	.0	.2	.0	.0	.5 4.9 12.9
NW	.0	.4	.3	2.9	.2	1.5	.1	1.3	.1	.8	.0	.1	.0	.0	.7 7.0 12.9
NNW	.0	.3	.3	3.1	.1	1.3	.1	.9	.1	.7	.0	.0	.0	.0	.7 6.4 12.4
CALM	.2	2.1													.2 2.1
TOTAL	.8	7.2	5.4	51.7	2.0	19.4	1.4	13.4	.7	6.7	.1	1.3	.0	.2	10.5 100 11.5

CEILING-VISIBILITY

WIND GRAPH

MSP MINNEAPOLIS ST PAUL, MN

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14922

NO. OBS.: 4278

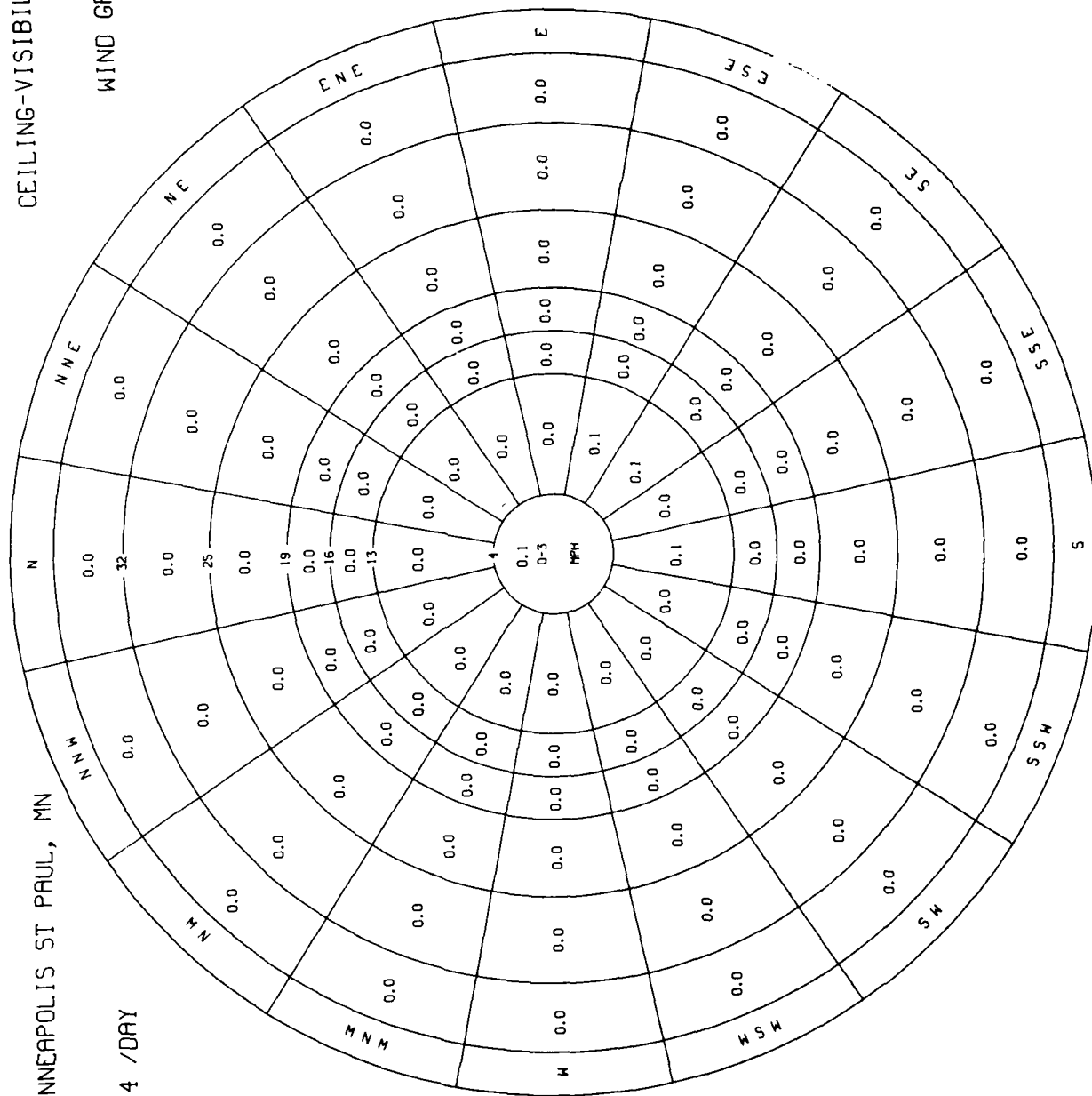
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.4	.6	5.9	.2	2.3	.2	1.8	.1	.9	.0	.0	.0	.0	1.2	11.4	12.0
NNE	.0	.3	.4	3.5	.2	1.5	.1	1.1	.1	.7	.0	.1	.0	.0	.7	7.1	12.3
NE	.0	.2	.3	2.5	.1	.7	.1	.6	.0	.4	.0	.2	.0	.0	.5	4.5	12.0
ENE	.0	.2	.4	3.5	.1	.8	.1	.7	.0	.4	.0	.2	.0	.0	.6	5.9	11.6
E	.0	.4	.3	3.3	.1	1.2	.1	.8	.0	.4	.0	.0	.0	.0	.6	6.1	11.3
ESE	.0	.4	.5	4.5	.2	1.8	.2	1.5	.1	.5	.0	.0	.0	.0	.9	8.7	11.8
SE	.0	.4	.5	4.9	.2	1.5	.1	1.0	.0	.4	.0	.1	.0	.0	.9	8.3	11.2
SSE	.0	.4	.4	3.5	.1	.9	.1	.8	.0	.3	.0	.0	.0	.0	.6	5.9	10.7
S	.1	.5	.4	3.9	.1	1.2	.1	.5	.0	.1	.0	.0	.0	.0	.6	6.2	10.1
SSW	.0	.4	.2	2.2	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.3	9.5
SW	.0	.3	.2	2.4	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	3.3	9.4
WSW	.0	.4	.2	2.3	.0	.3	.0	.3	.0	.2	.0	.0	.0	.1	.4	3.5	9.7
W	.1	.6	.3	2.8	.1	.6	.1	.5	.0	.3	.0	.1	.0	.0	.5	4.8	10.4
WNW	.0	.2	.3	2.6	.1	1.3	.1	.6	.1	.6	.0	.3	.0	.0	.6	5.6	12.7
NW	.0	.3	.4	3.5	.2	1.6	.1	.8	.1	.7	.0	.3	.0	.0	.7	7.2	12.6
NNW	.0	.4	.3	2.8	.2	1.5	.1	1.0	.0	.4	.0	.2	.0	.0	.7	6.4	12.4
CALM	.2	1.8													.2	1.8	
TOTAL	.8	7.5	5.6	54.2	1.9	18.0	1.3	12.4	.7	6.4	.2	1.5	.0	.1	10.3	100	11.2

CEILING-VISIBILITY

WIND GRAPH

MSP MINNEAPOLIS ST PAUL, MN

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 4 / DAY

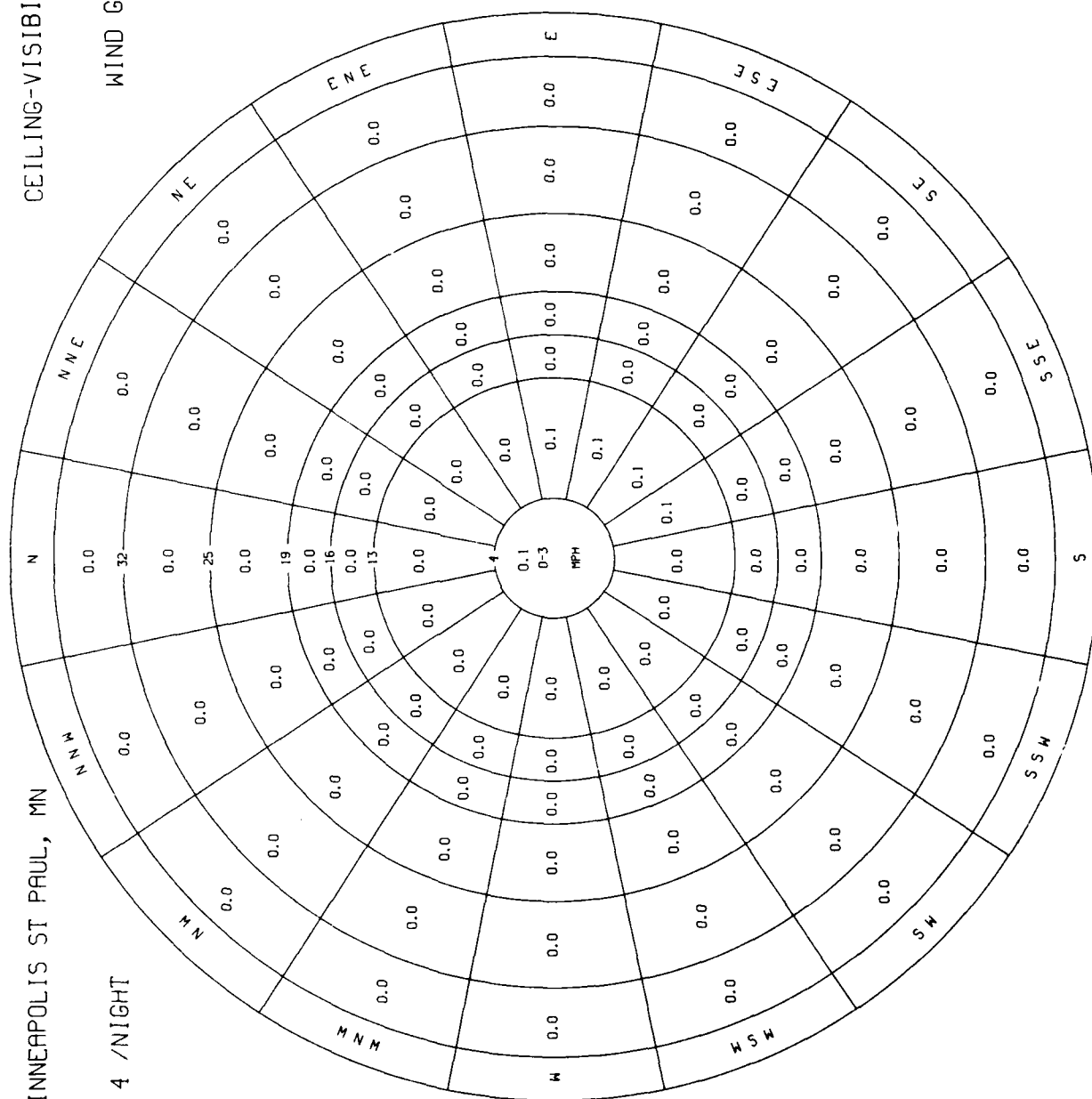
STATION NUMBER: 14922

NO. OBS.: 513

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	.6	.0	4.7	.0	1.9	.0	1.0	.0	1.2	.0	1.0	.0	.0	.1	10.3	13.1
NNE	.0	.6	.0	3.5	.0	.6	.0	1.2	.0	1.8	.0	.8	.0	.0	.1	8.4	14.1
NE	.0	.2	.0	3.1	.0	1.2	.0	1.2	.0	.8	.0	.0	.0	.0	.1	6.4	12.5
ENE	.0	.8	.0	2.9	.0	.6	.0	.8	.0	1.4	.0	.4	.0	.0	.1	6.8	12.5
E	.0	.6	.0	2.5	.0	.8	.0	.4	.0	.8	.0	.0	.0	.0	.1	5.1	11.5
ESE	.0	.6	.1	7.4	.0	1.8	.0	.6	.0	.2	.0	.0	.0	.0	.1	10.5	9.8
SE	.0	.6	.1	7.0	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.1	9.9	9.3
SSE	.0	.4	.0	3.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	8.6
S	.0	1.0	.1	5.5	.0	1.8	.0	.0	.0	.2	.0	.0	.0	.0	.1	8.4	8.6
SSW	.0	1.0	.0	2.1	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	3.5	7.7
SW	.0	.8	.0	2.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.0	4.1	8.4
WSW	.0	1.0	.0	2.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.0	3.5	8.2
W	.0	.2	.0	2.1	.0	.0	.0	.2	.0	.0	.0	.4	.0	.2	.0	3.1	12.2
WNW	.0	.8	.0	1.8	.0	.4	.0	.2	.0	.2	.0	.6	.0	.2	.0	4.1	12.7
NW	.0	.4	.0	2.7	.0	.0	.0	.6	.0	.4	.0	.0	.0	.0	.0	4.1	10.6
NNW	.0	.0	.0	2.1	.0	.2	.0	.8	.0	1.0	.0	.0	.0	.0	.0	4.1	13.1
CALM	.0	2.9													.0	2.9	
TOTAL	.1	12.3	.6	56.3	.1	11.5	.1	8.0	.1	8.0	.0	3.1	.0	.8	1.0	100	10.6

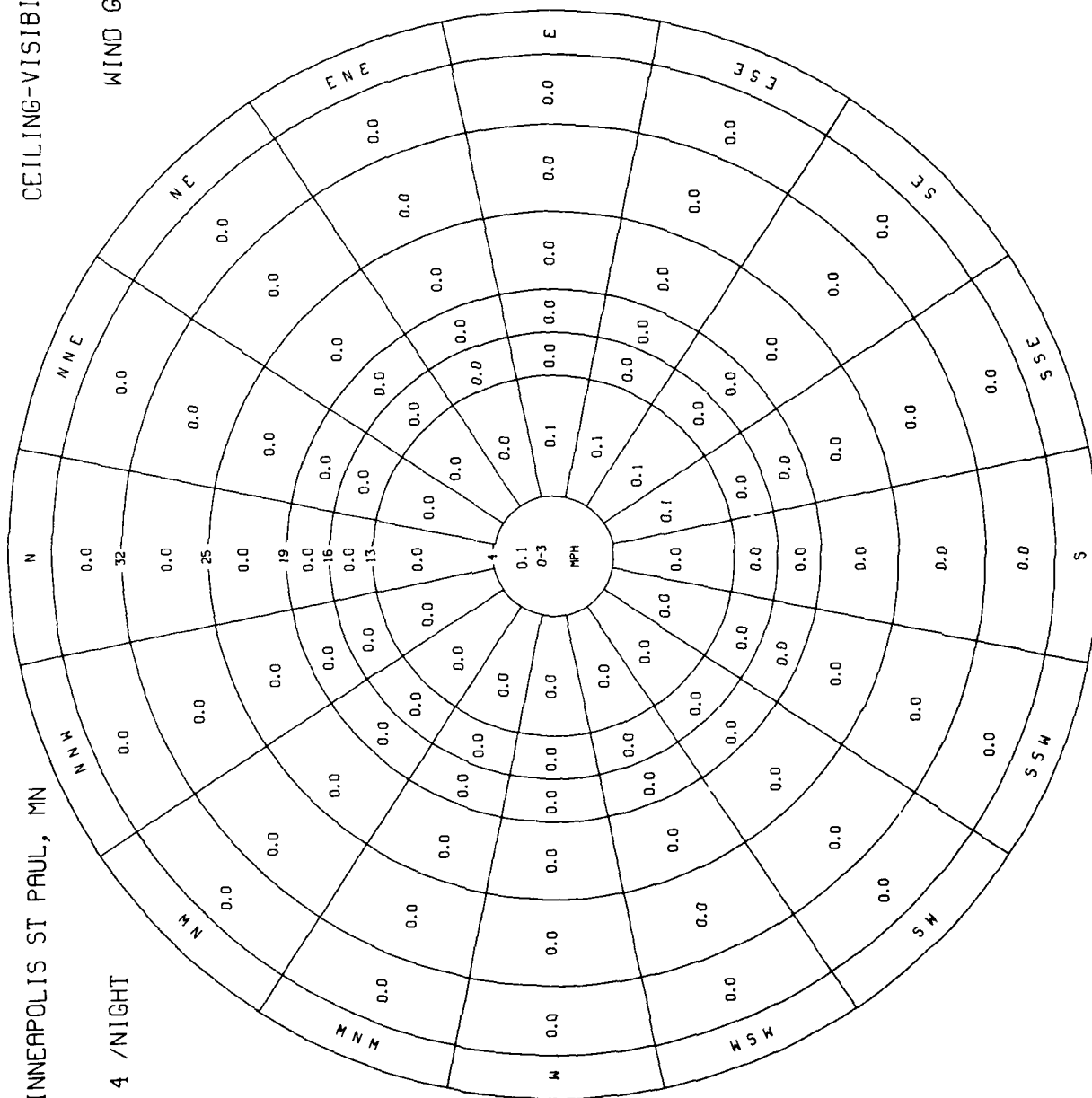
MSP MINNEAPOLIS ST PAUL, MN

CLASS 4 / NIGHT



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

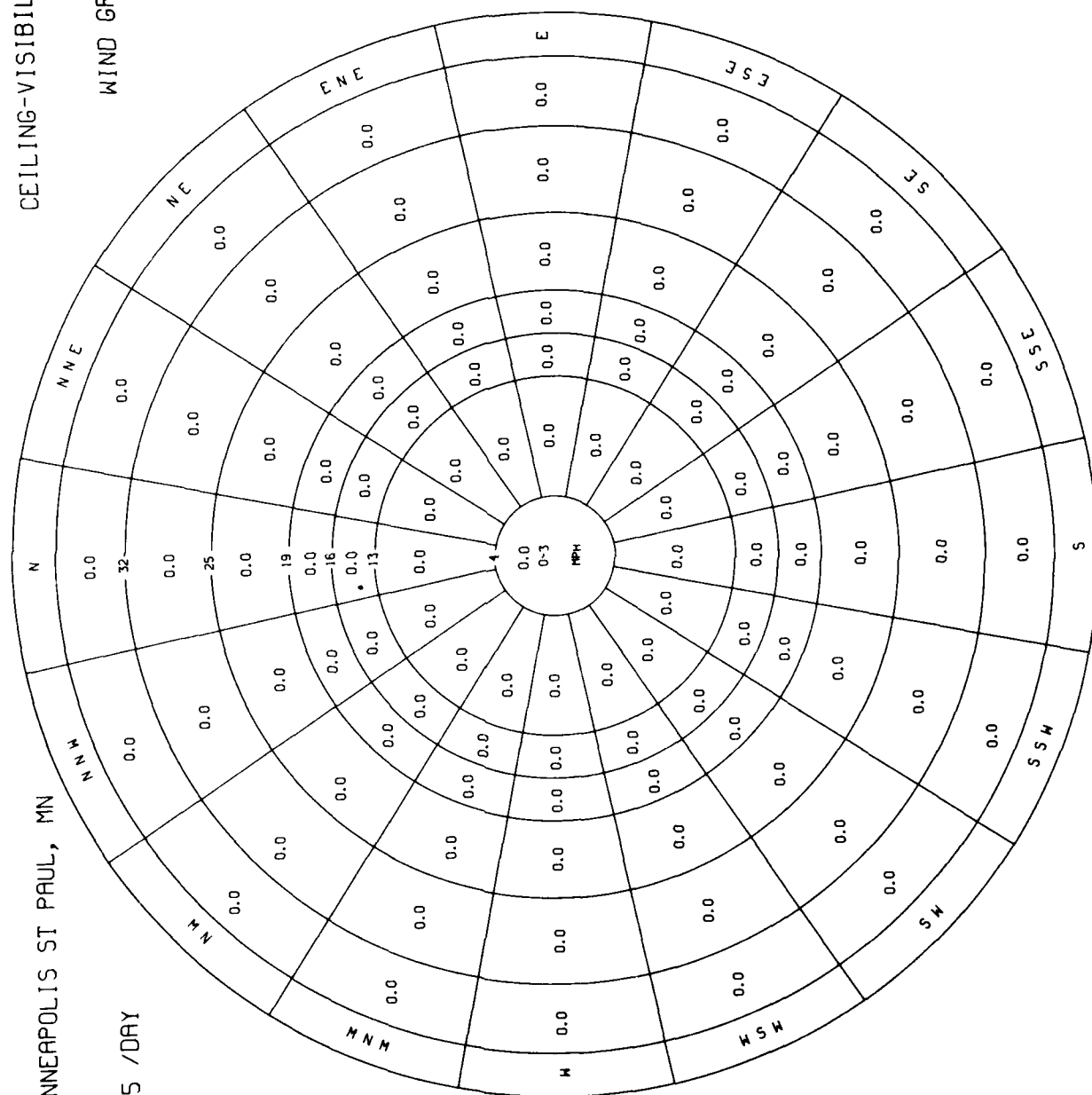
CLASS 4 / NIGHT

STATION NUMBER: 14922

NO. OBS.: 402

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	1.0	.0	1.0	.0	.7	.0	.7	.0	.0	.1 7.7
NNE	.0	.5	.0	2.7	.0	1.0	.0	.2	.0	.5	.0	.2	.0	.2	.1 5.5
NE	.0	.5	.0	2.2	.0	.5	.0	.2	.0	.0	.0	.2	.0	.0	.0 3.7
ENE	.0	.0	.0	3.7	.0	.0	.0	1.2	.0	.2	.0	.0	.0	.0	.1 5.2
E	.0	1.0	.1	5.7	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.1 8.2
ESE	.0	.5	.1	6.2	.0	1.7	.0	1.7	.0	.2	.0	.0	.0	.0	.1 10.4
SE	.0	1.7	.1	12.4	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.1 15.4
SSE	.0	1.0	.1	6.7	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.1 8.2
S	.0	.7	.0	4.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 5.5
SSW	.0	1.0	.0	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
SW	.0	.5	.0	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
WSW	.0	1.0	.0	2.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
W	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0 4.0
WNW	.0	.7	.0	2.2	.0	.2	.0	.0	.0	.0	.0	.5	.0	.0	.0 3.7
NW	.0	.5	.0	1.7	.0	.7	.0	.0	.0	.5	.0	.0	.0	.0	.0 3.5
NNW	.0	.0	.0	1.5	.0	.7	.0	.5	.0	.7	.0	.7	.0	.0	.0 4.2
CALM	.0	4.0													.0 4.0
TOTAL	.1	13.7	.6	64.2	.1	8.2	.1	7.0	.0	3.2	.0	3.5	.0	.2	1.0 100
															9.5

MSP MINNEAPOLIS ST PAUL, MN
 CLASS 5 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 14922

NO. OBS.: 101

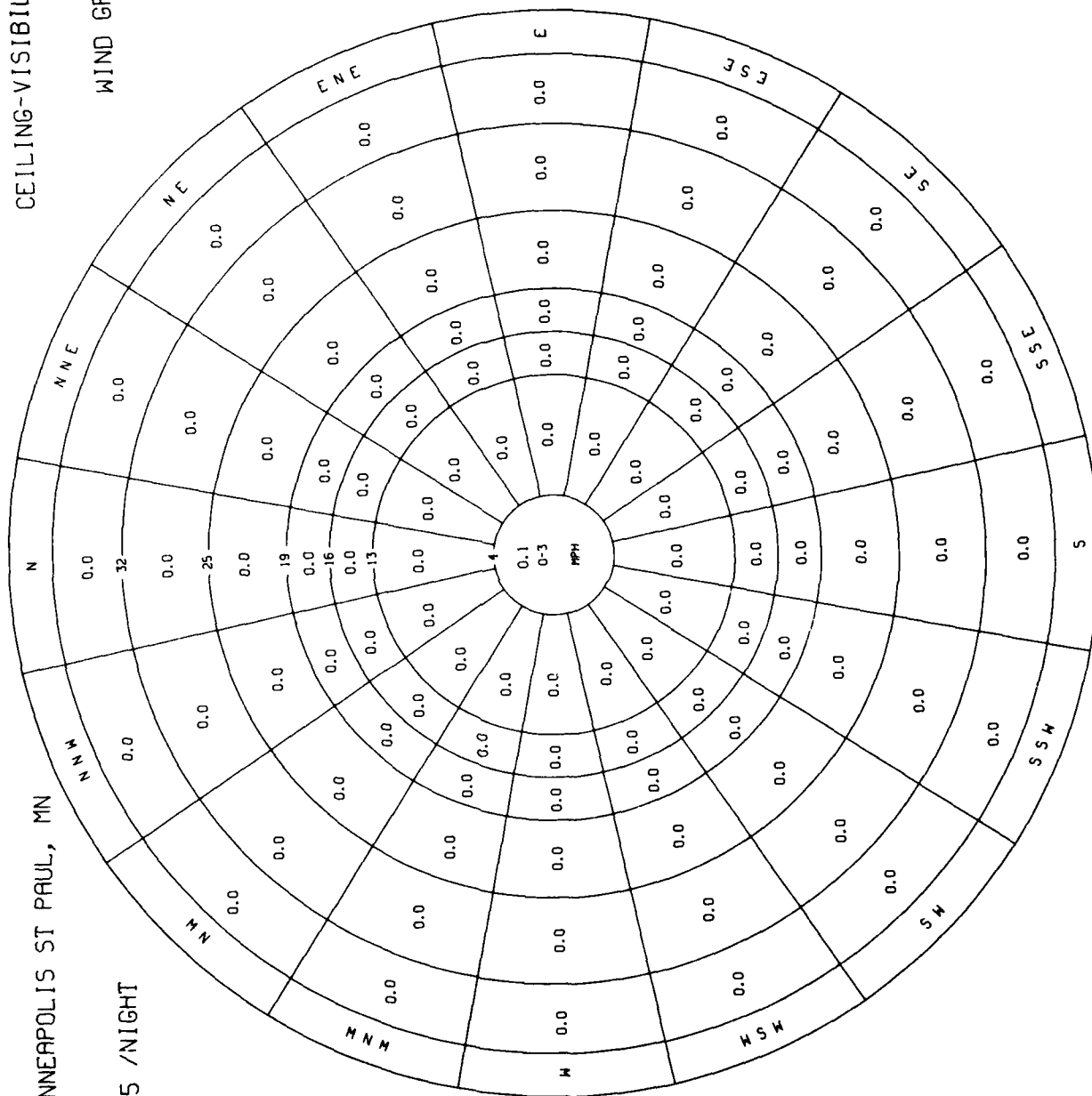
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	5.9	.0	.0	.0	1.0	.0	2.0	.0	1.0	.0	.0	.0	9.9	13.0
NNE	.0	2.0	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	4.0	8.8
NE	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	4.0	10.0
ENE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	1.0	.0	2.0	.0	.0	.0	5.9	15.5
E	.0	2.0	.0	4.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	6.9	7.6
ESE	.0	3.0	.0	12.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.8	7.7
SE	.0	2.0	.0	9.9	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	12.9	7.6
SSE	.0	2.0	.0	5.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	6.5
S	.0	2.0	.0	6.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	8.0
SSW	.0	.0	.0	3.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	9.2
SW	.0	4.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	6.0
WSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	2.0	20.5
NW	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	15.0
NNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	12.0
CALM	.0	5.0													.0	5.0	
TOTAL	.0	23.8	.1	60.4	.0	4.0	.0	2.0	.0	5.9	.0	4.0	.0	.0	.2	100	8.6

CEILING-VISIBILITY

WIND GRAPH

MSP MINNEAPOLIS ST PAUL, MN

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14922

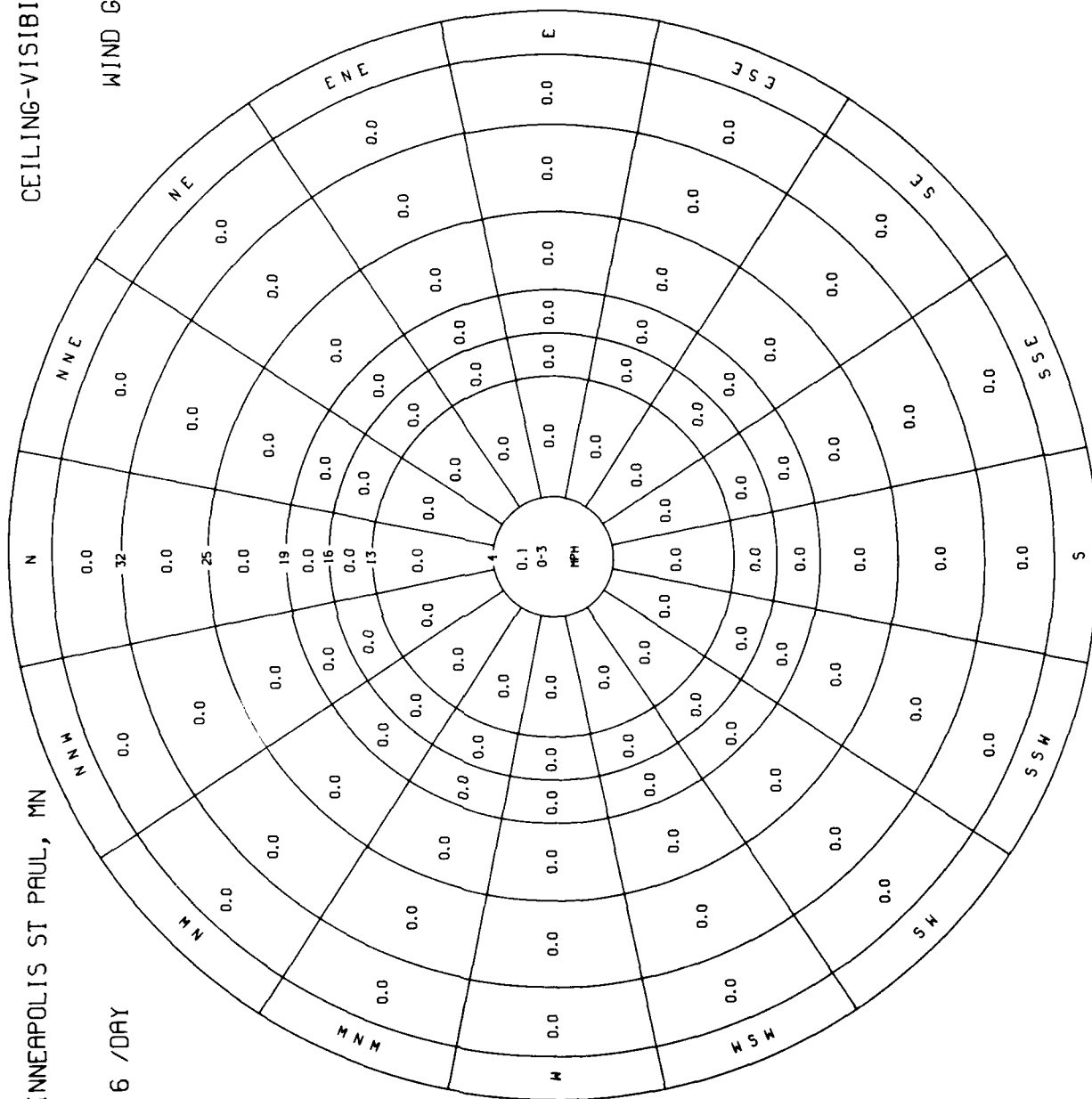
NO. OBS.: 96

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	5.2	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	6.3	11.2
NNE	.0	1.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.3
NE	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.6
ENE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	3.1	13.7
E	.0	2.1	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	5.7
ESE	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	7.3	9.2
SE	.0	2.1	.0	11.5	.0	2.1	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	16.7	8.1
SSE	.0	2.1	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	7.3
S	.0	4.2	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	5.5
SSW	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	4.2
SW	.0	4.2	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	4.6
WSW	.0	2.1	.0	4.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	7.0
W	.0	1.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.0
WNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	2.1	16.5
NW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.5
NNW	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	11.0
CALM	.0	8.3														.0	8.3	
TOTAL	.1	31.3	.1	57.3	.0	6.3	.0	.0	.0	.0	3.1	.0	2.1	.0	.0	.2	100	6.9

MSP MINNEAPOLIS ST PAUL, MN

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

PERIOD: 1948-1978

CLASS 6 / DAY

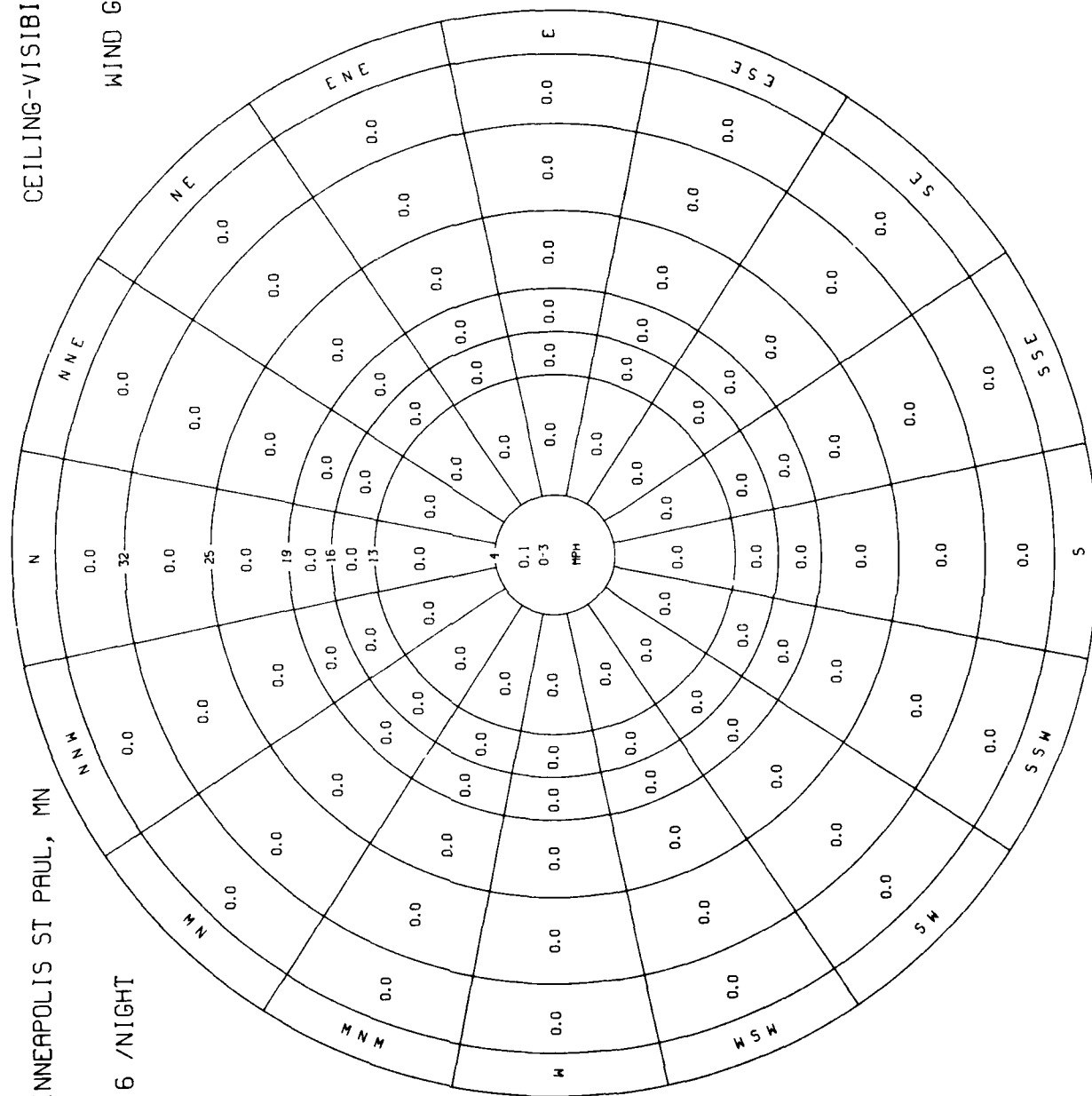
STATION NUMBER: 14922

NO. OBS.: 98

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	.0	.0	3.1	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	5.1	15.0
NNE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	2.0	16.0
NE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0
E	.0	3.1	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	5.3
ESE	.0	4.1	.0	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	6.3
SE	.0	5.1	.0	12.2	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	18.4	6.1
SSE	.0	4.1	.0	7.1	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	12.2	6.6
S	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.3
SSW	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	5.7
SW	.0	2.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	4.5
WSW	.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.3
W	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.5
WNW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	15.3													.0	15.3	
TOTAL	.1	41.8	.1	53.1	.0	.0	.0	.0	2.0	.0	2.0	.0	1.0	.0	.0	2	100
																	5.5

CEILING-VISIBILITY

WIND GRAPH



MSP MINNEAPOLIS ST PAUL, MN

CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: MSP MINNEAPOLIS ST PAUL, MN

CLASS 6 / NIGHT

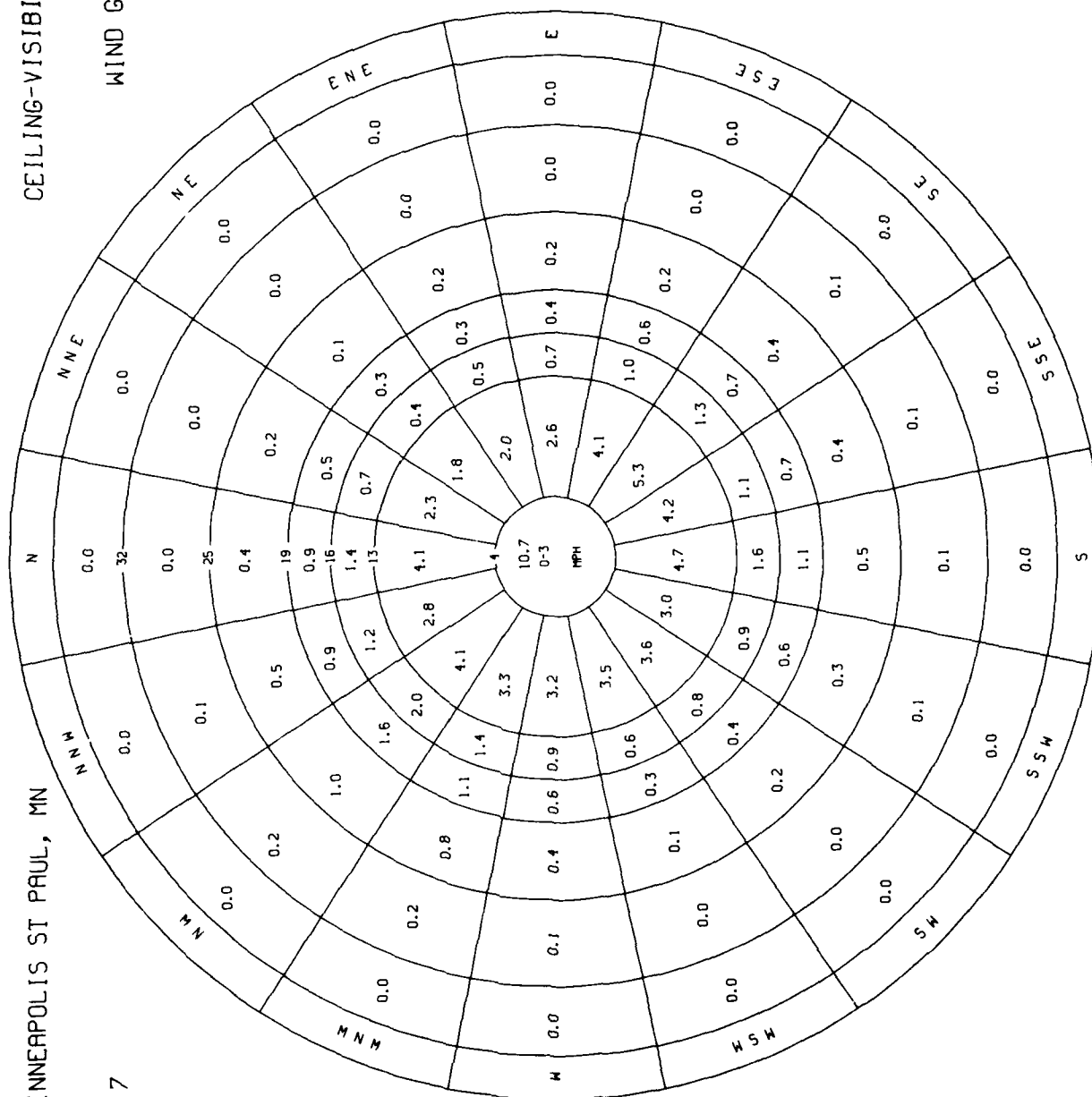
NO. OBS.: 106

STATION NUMBER: 14922

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	3.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
ENE	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
E	.0	1.9	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
ESE	.0	3.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.5
SE	.0	6.6	.0	10.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0 7.5
SSE	.0	.9	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 17.9
S	.0	1.9	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
SSW	.0	3.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
SW	.0	.9	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.7
WSW	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.5
W	.0	2.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
WNW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
NW	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
CALM	.0	14.2													.0 .0
TOTAL	.1	43.4	.1	54.7	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9	.0 14.2
															.3 100
															5.4

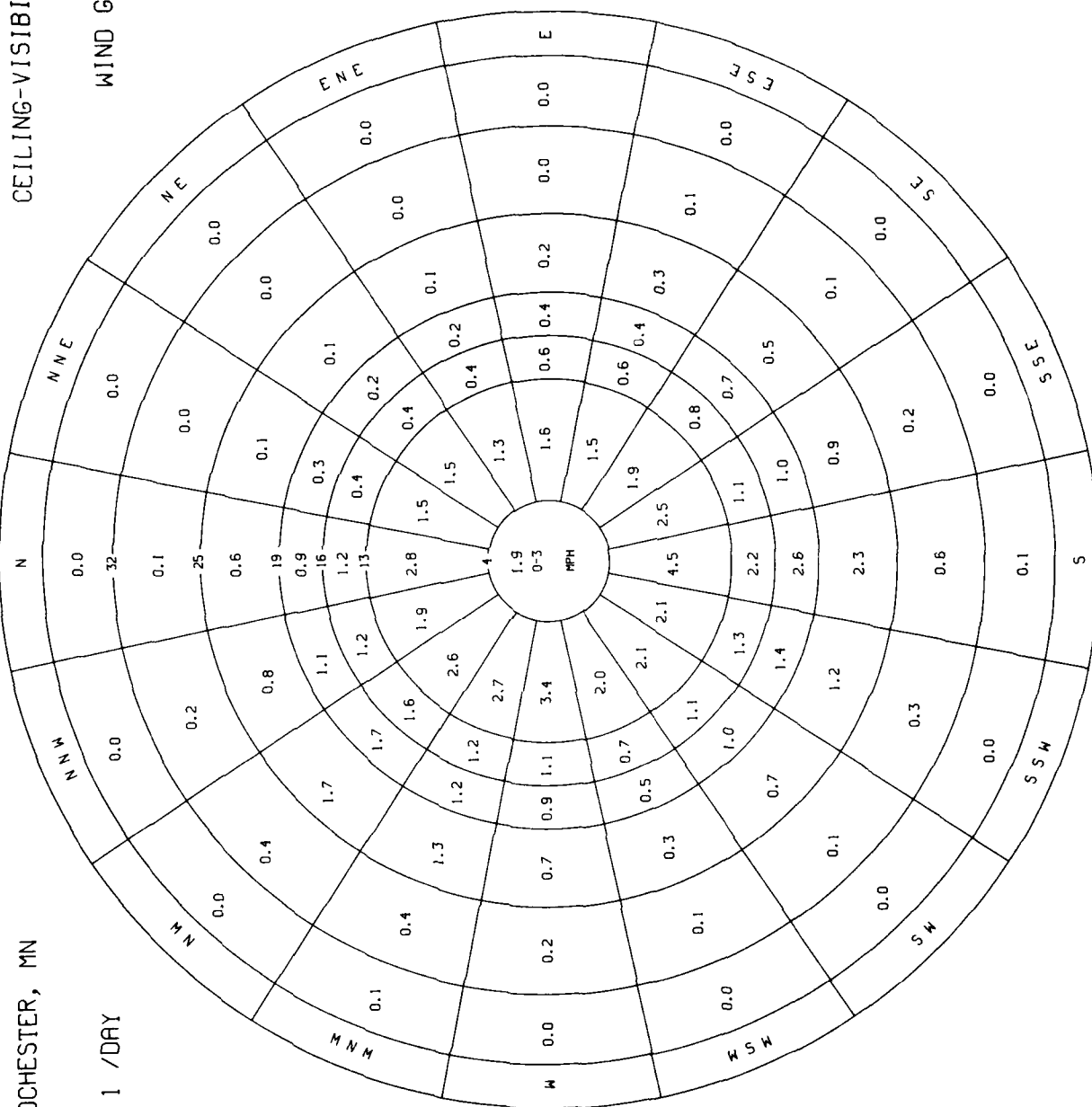
MSP MINNEAPOLIS ST PAUL, MN

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



RST ROCHESTER, MN

CLASS 1 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 1 / DAY

STATION NUMBER: 14925

NO. OBS.: 23605

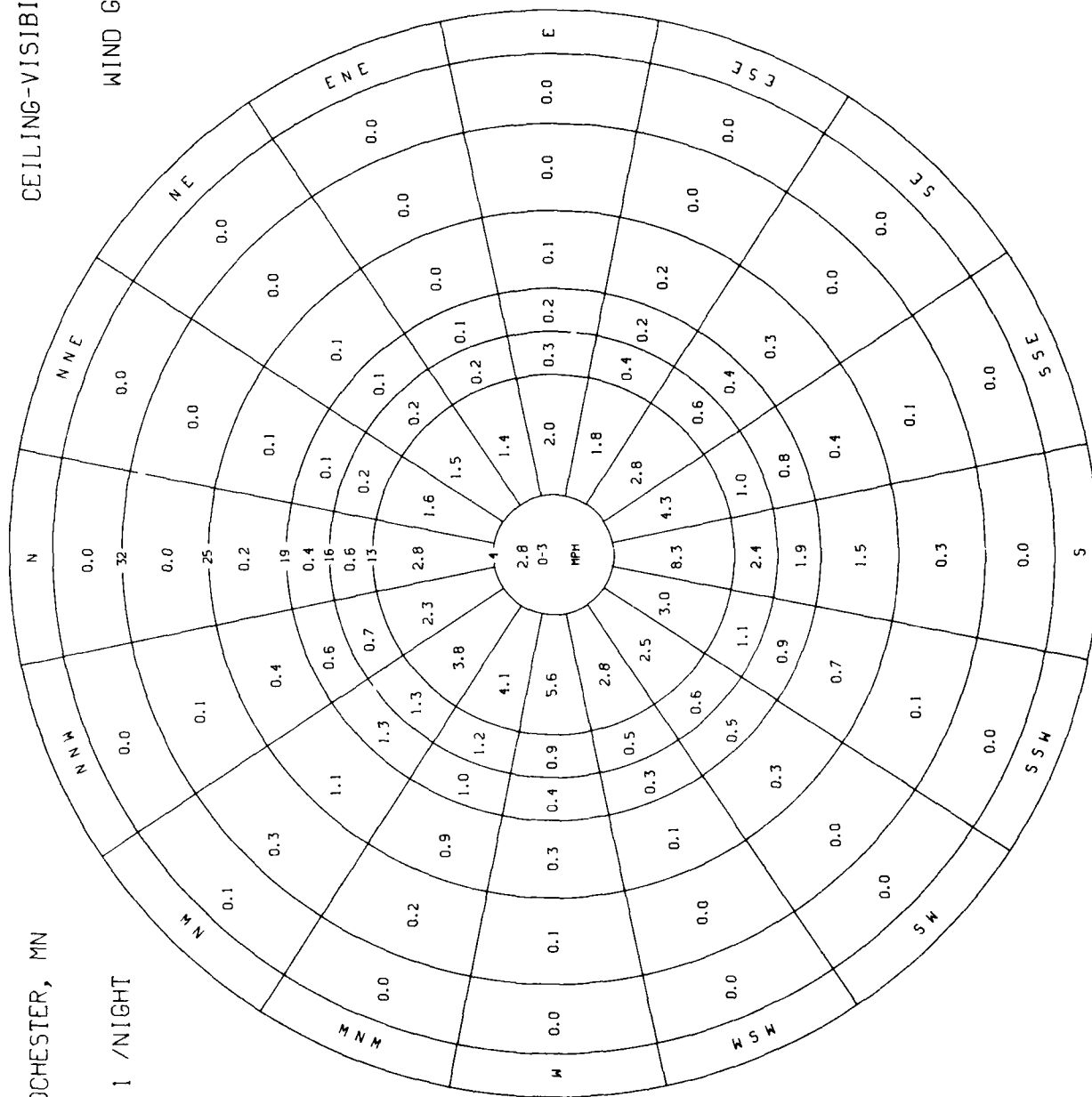
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.1	2.8	3.3	1.2	1.4	.9	1.1	.6	.7	.1	.1	.0	.0	5.6	6.8	12.6
NNE	.1	.1	1.5	1.8	.4	.5	.3	.4	.1	.2	.0	.0	.0	.0	2.5	3.0	11.2
NE	.1	.1	1.5	1.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.3	2.7	10.6
ENE	.0	.1	1.3	1.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.0	2.4	10.7
E	.1	.1	1.6	1.9	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	2.8	3.4	11.5
ESE	.1	.1	1.5	1.8	.6	.7	.4	.5	.3	.3	.1	.1	.0	.0	2.9	3.5	12.3
SE	.0	.1	1.9	2.2	.8	.9	.7	.9	.5	.6	.1	.1	.0	.0	4.0	4.8	13.2
SSE	.0	.0	2.5	3.0	1.1	1.3	1.0	1.2	.9	1.1	.2	.3	.0	.0	5.7	6.9	14.0
S	.1	.1	4.5	5.4	2.2	2.6	2.6	3.1	2.3	2.8	.6	.8	.1	.1	12.4	14.9	15.0
SSW	.1	.1	2.1	2.5	1.3	1.6	1.4	1.7	1.2	1.5	.3	.4	.0	.0	6.4	7.8	15.1
SW	.1	.1	2.1	2.5	1.1	1.3	1.0	1.2	.7	.8	.1	.1	.0	.0	5.0	6.0	13.9
WSW	.1	.1	2.0	2.4	.7	.9	.5	.7	.3	.4	.1	.1	.0	.0	3.7	4.5	12.6
W	.1	.1	3.4	4.1	1.1	1.3	.9	1.0	.7	.8	.2	.2	.0	.0	6.3	7.6	12.6
WNW	.1	.1	2.7	3.3	1.2	1.5	1.2	1.5	1.3	1.6	.4	.5	.1	.1	7.1	8.6	14.8
NW	.1	.1	2.6	3.1	1.6	1.9	1.7	2.1	1.7	2.1	.4	.5	.0	.0	8.2	9.9	15.3
NNW	.1	.1	1.9	2.3	1.2	1.4	1.1	1.3	.8	1.0	.2	.2	.0	.0	5.3	6.4	14.2
CALM	.7	.9													.7	.9	
TOTAL	1.9	2.3	35.8	43.2	15.7	19.0	14.5	17.5	11.7	14.2	2.8	3.4	.3	.4	82.9	100	13.6

CEILING-VISIBILITY

WIND GRAPH

RST ROCHESTER, MN

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1961-1978

STATION NAME: RST ROCHESTER, MN

CLASS 1 / NIGHT

NO. OBS.: 20019

STATION NUMBER: 14925

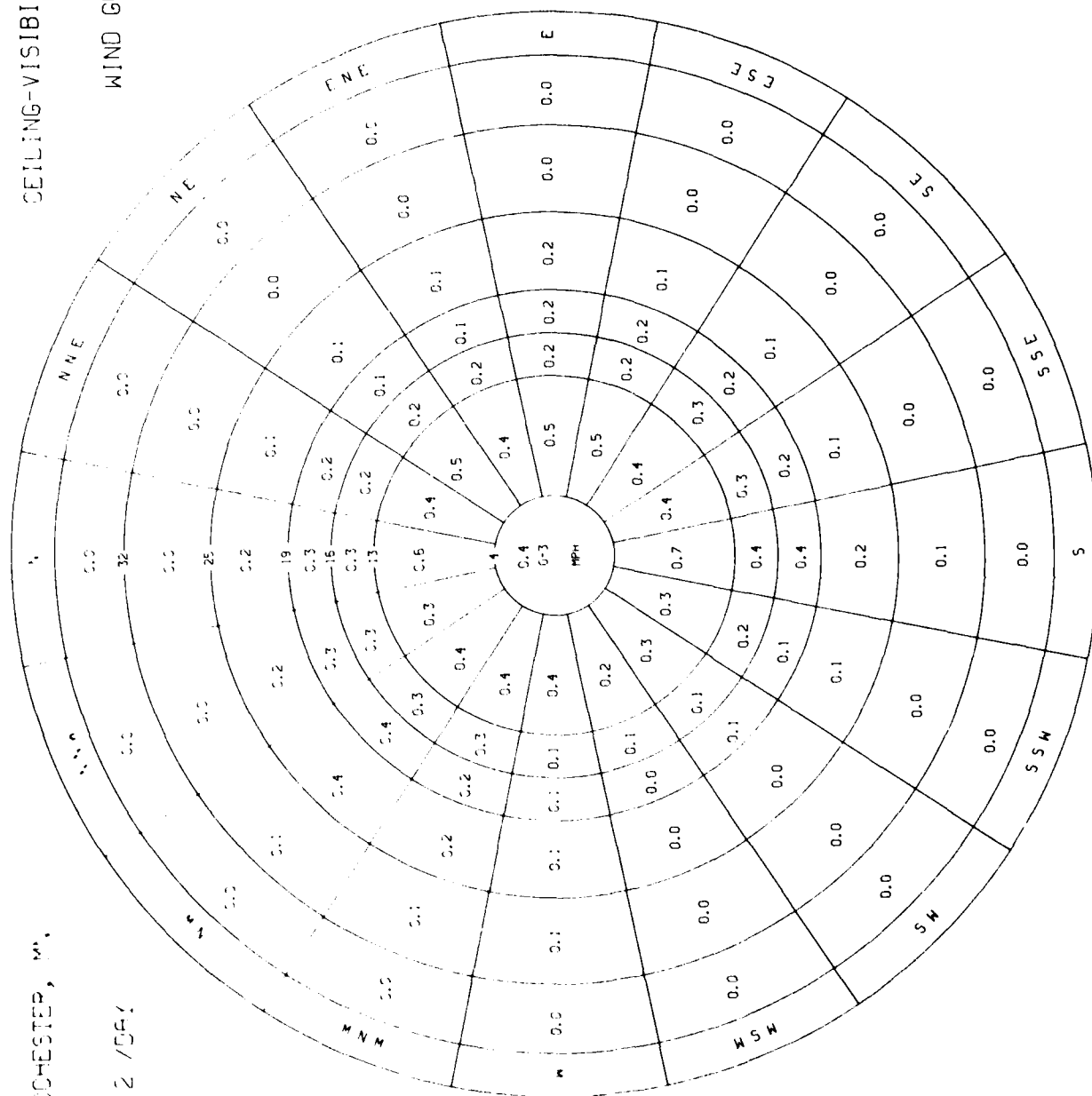
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.2	.2	2.8	3.4	.6	.7	.4	.5	.2	.3	.0	.1	.0	.0	4.3	5.2	10.6
NNE	.1	.1	1.6	1.9	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.0	2.5	9.1
NE	.1	.1	1.5	1.9	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	2.1	2.5	9.2
ENE	.1	.1	1.4	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.2	8.8
E	.1	.1	2.0	2.3	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.7	3.2	9.4
ESE	.0	.0	1.8	2.2	.4	.5	.2	.2	.2	.2	.0	.0	.0	.0	2.6	3.2	10.6
SE	.1	.1	2.8	3.3	.6	.8	.4	.5	.3	.3	.0	.0	.0	.0	4.2	5.1	11.0
SSE	.0	.0	4.3	5.1	1.0	1.2	.8	.9	.4	.5	.1	.1	.0	.0	6.6	8.0	11.5
S	.1	.1	8.3	10.0	2.4	2.9	1.9	2.3	1.5	1.8	.3	.3	.0	.0	14.5	17.4	12.4
SSW	.0	.0	3.0	3.6	1.1	1.3	.9	1.1	.7	.8	.1	.2	.0	.0	5.8	7.0	13.0
SW	.1	.1	2.5	3.0	.6	.8	.5	.6	.3	.4	.0	.0	.0	.0	4.1	4.9	11.6
WSW	.1	.1	2.8	3.4	.5	.6	.3	.4	.1	.1	.0	.0	.0	.0	3.8	4.6	10.2
W	.2	.2	5.6	6.7	.9	1.1	.4	.5	.3	.3	.1	.1	.0	.0	7.5	9.0	10.0
WNW	.2	.2	4.1	5.0	1.2	1.5	1.0	1.2	.9	1.1	.2	.3	.0	.0	7.7	9.3	12.5
NW	.1	.1	3.8	4.6	1.3	1.6	1.3	1.5	1.1	1.3	.3	.3	.1	.1	8.0	9.6	13.4
NNW	.1	.1	2.3	2.7	.7	.8	.6	.7	.4	.5	.1	.1	.0	.0	4.2	5.0	12.0
CALM	1.2	1.5													1.2	1.5	
TOTAL	2.8	3.3	50.6	60.9	12.3	14.8	9.3	11.1	6.7	8.1	1.3	1.6	.1	.2	83.1	100	11.4

CEILING-VISIBILITY

WIND GRAPH

RST ROCHESTER, N.Y.

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 2 / DAY

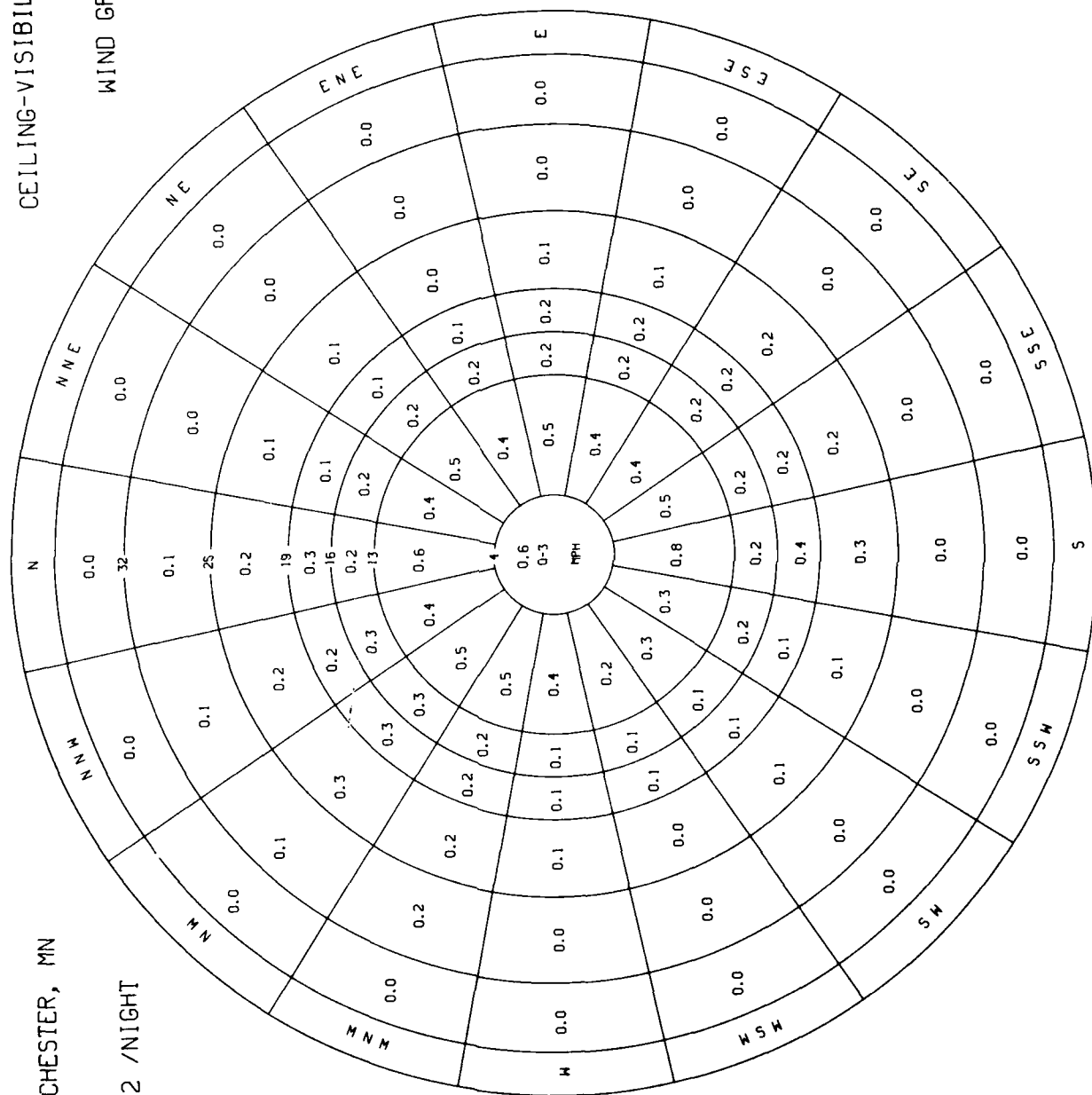
STATION NUMBER: 14925

NO. OBS.: 4882

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	3.5	.3	1.8	.3	1.9	.2	1.4	.0	.1	.0	.1	1.5 9.0
NNE	.0	.2	.4	2.3	.2	1.2	.2	1.0	.1	.5	.0	.2	.0	.0	.9 5.5
NE	.0	.0	.5	2.8	.2	1.1	.1	.7	.1	.4	.0	.1	.0	.0	.9 5.1
ENE	.0	.0	.4	2.2	.2	1.2	.1	.7	.1	.3	.0	.1	.0	.0	.8 4.6
E	.0	.1	.5	2.9	.2	1.4	.2	1.1	.2	.9	.0	.0	.0	.0	1.1 6.5
ESE	.0	.1	.5	2.7	.2	1.3	.2	1.4	.1	.8	.0	.2	.0	.0	1.1 6.6
SE	.0	.0	.4	2.6	.3	1.7	.2	1.4	.1	.8	.0	.2	.0	.0	1.2 6.7
SSE	.0	.1	.4	2.6	.3	1.5	.2	1.4	.1	.8	.0	.1	.0	.0	1.1 6.5
S	.0	.2	.7	3.9	.4	2.3	.4	2.2	.2	1.3	.1	.3	.0	.0	1.7 10.2
SSW	.0	.1	.3	1.7	.2	1.1	.1	.8	.1	.5	.0	.1	.0	.0	.7 4.3
SW	.0	.0	.3	1.5	.1	.7	.1	.4	.0	.2	.0	.1	.0	.0	.5 2.9
WSW	.0	.1	.2	1.3	.1	.4	.0	.3	.0	.2	.0	.1	.0	.0	.4 2.3
W	.0	.1	.4	2.1	.1	.9	.1	.7	.1	.7	.1	.4	.0	.2	.9 5.0
WNW	.0	.1	.4	2.2	.3	1.5	.2	1.2	.2	1.3	.1	.7	.0	.1	1.2 7.0
NW	.0	.1	.4	2.4	.3	2.0	.4	2.3	.4	2.2	.1	.7	.0	.1	1.7 9.8
NNW	.0	.1	.3	2.0	.3	1.5	.3	1.6	.2	1.3	.0	.2	.0	.0	1.2 6.8
CALM	.2	1.2													.2 1.2
TOTAL	.4	2.5	6.6	38.7	3.7	21.6	3.3	19.0	2.4	13.7	.6	3.7	.1	.7	17.1 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 2 / NIGHT

STATION NUMBER: 14925

NO. OBS.: 4074

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	3.8	.2	1.4	.3	1.7	.2	1.1	.1	.3	.0	.0	1.4 8.4
NNE	.0	.1	.4	2.2	.2	.9	.1	.6	.1	.7	.0	.1	.0	.0	.8 4.7
NNE	.0	.1	.5	3.0	.2	1.1	.1	.4	.1	.5	.0	.1	.0	.0	.9 5.2
ENE	.0	.1	.4	2.1	.2	1.0	.1	.8	.0	.3	.0	.1	.0	.0	.7 4.3
E	.0	.1	.5	3.0	.2	1.2	.2	.9	.1	.8	.0	.0	.0	.0	1.0 6.0
ESE	.0	.1	.4	2.6	.2	1.3	.2	1.1	.1	.8	.0	.1	.0	.0	1.0 6.1
SE	.0	.0	.4	2.7	.2	1.2	.2	1.3	.2	.9	.0	.2	.0	.0	1.1 6.3
SSE	.0	.0	.5	2.7	.2	1.0	.2	1.3	.2	.9	.0	.0	.0	.0	1.0 6.1
S	.0	.1	.8	5.0	.2	1.4	.4	2.1	.3	1.7	.0	.2	.0	.0	1.8 10.7
SSW	.0	.1	.3	1.7	.2	.9	.1	.9	.1	.7	.0	.1	.0	.0	.7 4.4
SW	.0	.1	.3	2.0	.1	.5	.1	.4	.1	.3	.0	.1	.0	.0	.6 3.4
WSW	.0	.1	.2	1.4	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	.4 2.5
W	.0	.2	.4	2.6	.1	.8	.1	.7	.1	.5	.0	.2	.0	.2	.9 5.1
WNW	.0	.1	.5	3.0	.2	1.2	.2	1.3	.2	1.4	.2	.9	.0	.2	1.4 8.2
NW	.0	.2	.5	3.1	.3	1.9	.3	1.9	.3	1.9	.1	.5	.0	.2	1.6 9.7
NNW	.0	.1	.4	2.4	.3	1.6	.2	1.4	.2	1.3	.1	.3	.0	.0	1.2 7.2
CALM	.3	1.8													.3 1.8
TOTAL	.6	3.5	7.3	43.2	3.0	18.0	2.9	17.2	2.4	14.0	.6	3.3	.1	.8	16.9 100
															13.4

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 3 / DAY

STATION NUMBER: 14925

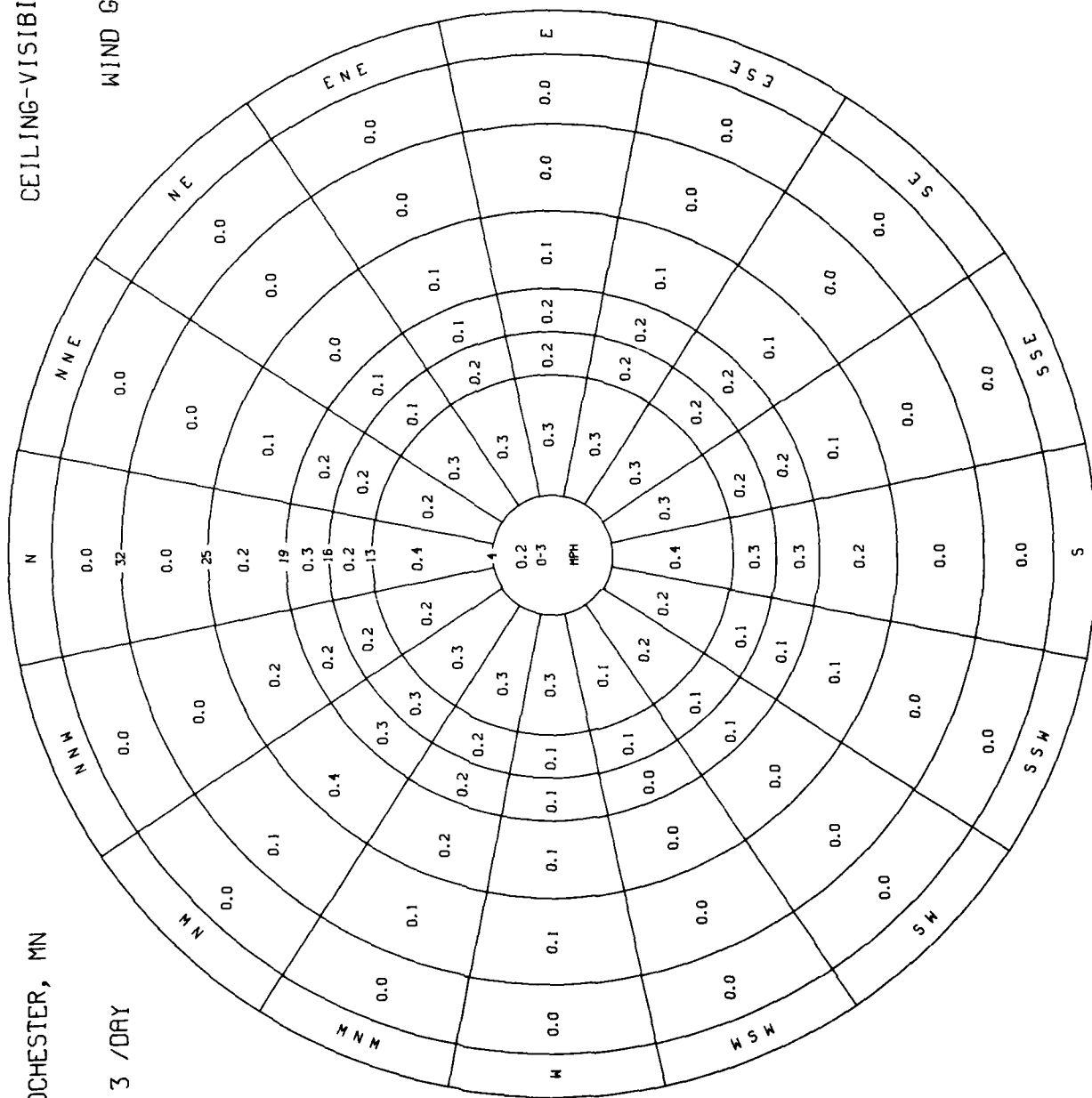
NO. OBS.: 3669

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	.4	3.4	.2	1.9	.3	2.1	.2	1.5	.0	.1	.0	.1	1.2	8.9	14.4
NNE	.0	.1	.2	1.9	.2	1.3	.2	1.2	.1	.5	.0	.1	.0	.0	.7	5.2	13.8
NE	.0	.0	.3	2.5	.1	1.0	.1	.6	.0	.4	.0	.1	.0	.0	.6	4.7	12.5
ENE	.0	.0	.3	2.0	.2	1.3	.1	.8	.1	.4	.0	.1	.0	.0	.6	4.7	13.2
E	.0	.0	.3	2.6	.2	1.4	.2	1.2	.1	.9	.0	.1	.0	.0	.8	6.2	13.8
ESE	.0	.1	.3	2.2	.2	1.4	.2	1.4	.1	.9	.0	.2	.0	.0	.8	6.2	14.2
SE	.0	.0	.3	2.2	.2	1.6	.2	1.6	.1	.9	.0	.2	.0	.0	.8	6.5	14.9
SSE	.0	.1	.3	2.1	.2	1.4	.2	1.6	.1	1.0	.0	.1	.0	.0	.8	6.2	14.5
S	.0	.1	.4	3.1	.3	2.6	.3	2.3	.2	1.3	.0	.3	.0	.0	1.2	9.6	14.5
SSW	.0	.1	.2	1.4	.1	1.1	.1	.9	.1	.6	.0	.1	.0	.0	.5	4.3	14.6
SW	.0	.0	.2	1.4	.1	.8	.1	.4	.0	.3	.0	.1	.0	.0	.4	3.1	13.2
WSW	.0	.1	.1	1.1	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.3	12.8
W	.0	.1	.3	2.3	.1	1.0	.1	.8	.1	.9	.1	.5	.0	.1	.7	5.6	14.8
WNW	.0	.0	.3	2.2	.2	1.6	.2	1.5	.2	1.5	.1	.8	.0	.0	1.0	7.7	16.2
NW	.0	.0	.3	2.3	.3	2.1	.3	2.7	.4	2.8	.1	.9	.0	.1	1.4	10.9	17.0
NNW	.0	.1	.2	1.8	.2	1.5	.2	1.8	.2	1.4	.0	.3	.0	.0	.9	6.9	15.6
CALM	.1	.9													.1	.9	
TOTAL	.2	1.7	4.4	34.4	2.9	22.6	2.7	21.3	2.0	15.5	.5	4.1	.1	.5	12.9	100	14.6

CEILING-VISIBILITY WIND GRAPH

RST ROCHESTER, MN

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 3 / DAY

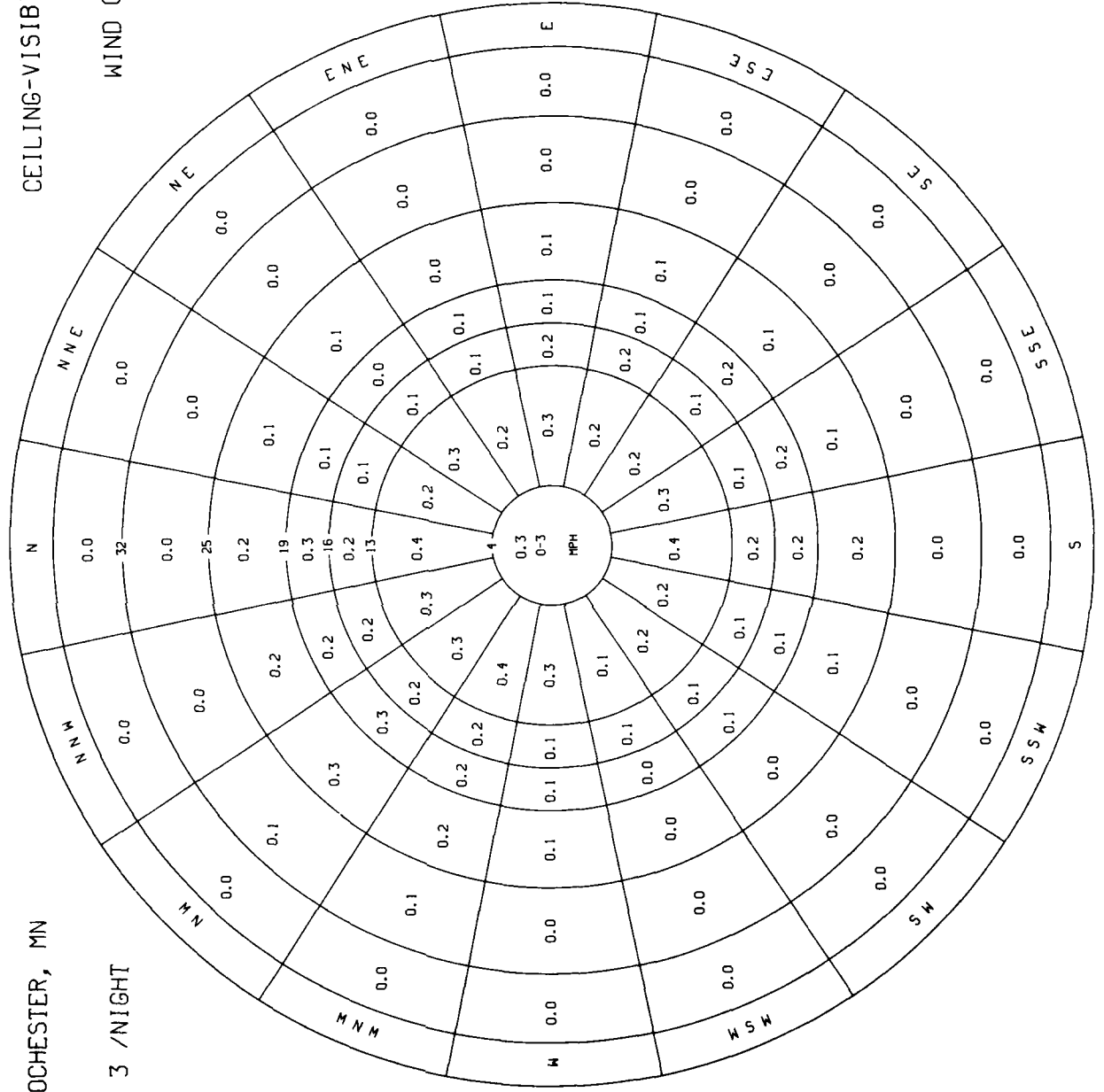
STATION NUMBER: 14925

NO. OBS.: 3669

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	.4	3.4	.2	1.9	.3	2.1	.2	1.5	.0	.1	.0	.1	1.2	8.9	14.4					
NNE	.0	.1	.2	1.9	.2	1.3	.2	1.2	.1	.5	.0	.1	.0	.0	.7	5.2	13.8					
NE	.0	.0	.3	2.5	.1	1.0	.1	.6	.0	.4	.0	.1	.0	.0	.6	4.7	12.5					
ENE	.0	.0	.3	2.0	.2	1.3	.1	.8	.1	.4	.0	.1	.0	.0	.6	4.7	13.2					
E	.0	.0	.3	2.6	.2	1.4	.2	1.2	.1	.9	.0	.1	.0	.0	.8	6.2	13.8					
ESE	.0	.1	.3	2.2	.2	1.4	.2	1.4	.1	.9	.0	.2	.0	.0	.8	6.2	14.2					
SE	.0	.0	.3	2.2	.2	1.6	.2	1.6	.1	.9	.0	.2	.0	.0	.8	6.5	14.9					
SSE	.0	.1	.3	2.1	.2	1.4	.2	1.6	.1	1.0	.0	.1	.0	.0	.8	6.2	14.5					
S	.0	.1	.4	3.1	.3	2.6	.3	2.3	.2	1.3	.0	.3	.0	.0	1.2	9.6	14.5					
SSW	.0	.1	.2	1.4	.1	1.1	.1	.9	.1	.6	.0	.1	.0	.0	.5	4.3	14.6					
SW	.0	.0	.2	1.4	.1	.8	.1	.4	.0	.3	.0	.1	.0	.0	.4	3.1	13.2					
WSW	.0	.1	.1	1.1	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.3	12.8					
W	.0	.1	.3	2.3	.1	1.0	.1	.8	.1	.9	.1	.5	.0	.1	.7	5.6	14.8					
WNW	.0	.0	.3	2.2	.2	1.6	.2	1.5	.2	1.5	.1	.8	.0	.0	1.0	7.7	16.2					
NW	.0	.0	.3	2.3	.3	2.1	.3	2.7	.4	2.8	.1	.9	.0	.1	1.4	10.9	17.0					
NNW	.0	.1	.2	1.8	.2	1.5	.2	1.8	.2	1.4	.0	.3	.0	.0	.9	6.9	15.6					
CALM	.1	.9													.1	.9						
TOTAL	.2	1.7	4.4	34.4	2.9	22.6	2.7	21.3	2.0	15.5	.5	4.1	.1	.5	12.9	100	14.6					

CEILING-VISIBILITY

WIND GRAPH



RST ROCHESTER, MN

CLASS 3 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

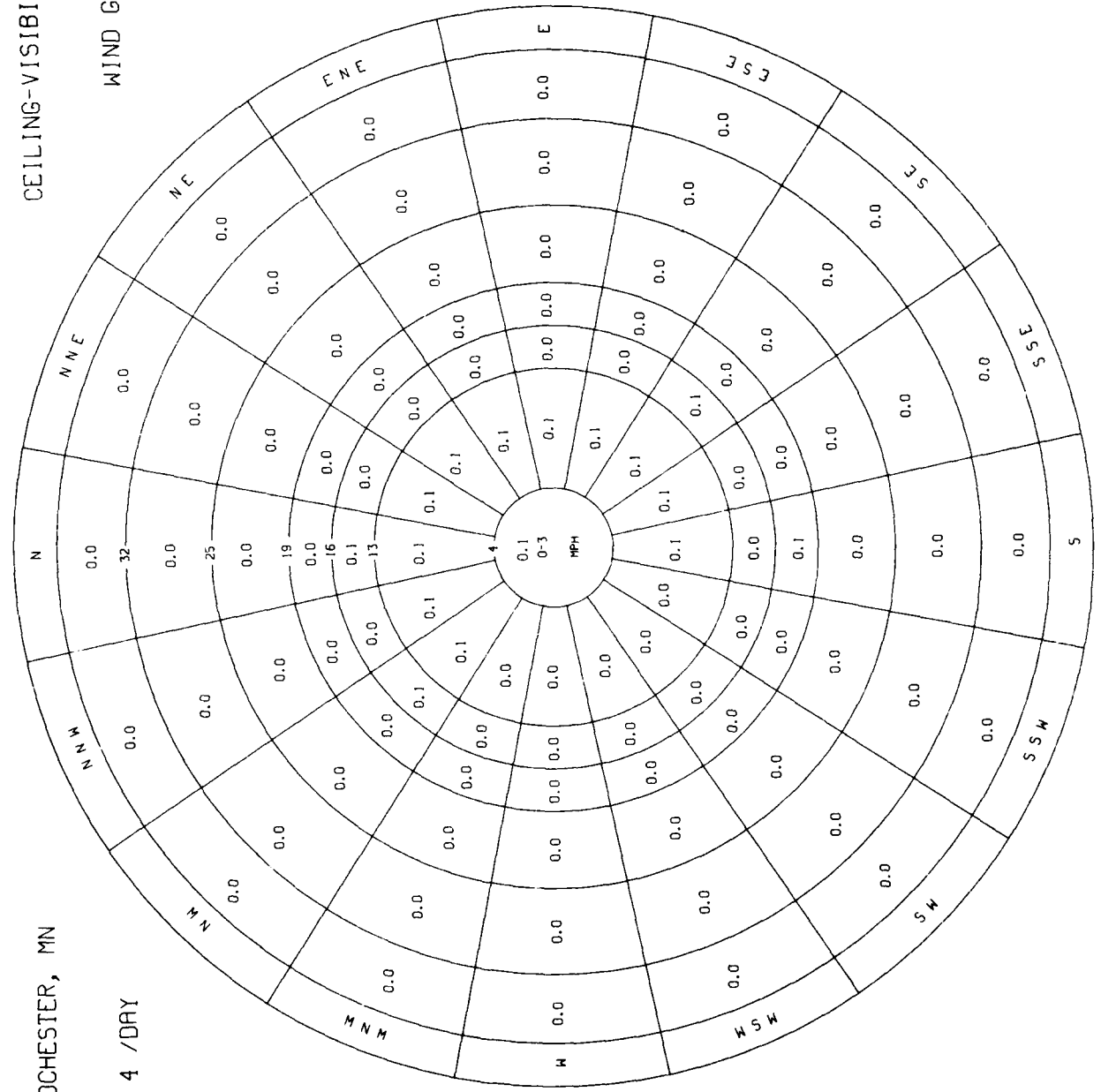
CLASS 3 / NIGHT

STATION NUMBER: 14925

NO. OBS.: 2812

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	.4	3.4	.2	1.5	.3	2.2	.2	1.3	.0	.4	.0	.0	1.0	8.9
NNE	.0	.0	.2	1.7	.1	1.0	.1	.7	.1	.8	.0	.0	.0	.0	.5	4.2
N	.0	.1	.3	2.3	.1	1.0	.0	.4	.1	.5	.0	.1	.0	.0	.5	4.5
ENE	.0	.0	.2	2.0	.1	1.2	.1	1.0	.0	.4	.0	.1	.0	.0	.6	4.8
E	.0	.0	.3	2.4	.2	1.4	.1	1.2	.1	.9	.0	.1	.0	.0	.7	6.0
ESE	.0	.1	.2	1.9	.2	1.4	.1	1.3	.1	.9	.0	.2	.0	.0	.7	5.8
SE	.0	.1	.2	1.7	.1	1.1	.2	1.4	.1	1.1	.0	.2	.0	.0	.7	5.7
SSE	.0	.0	.3	2.2	.1	.8	.2	1.6	.1	1.0	.0	.0	.0	.0	.7	5.6
S	.0	.1	.4	3.5	.2	1.5	.2	2.1	.2	2.0	.0	.3	.0	.0	1.1	9.6
SSW	.0	.1	.2	1.7	.1	.8	.1	1.0	.1	.9	.0	.1	.0	.0	.5	4.5
SW	.0	.1	.2	1.7	.1	.5	.1	.5	.0	.4	.0	.1	.0	.0	.4	3.3
WSW	.0	.1	.1	1.1	.1	.5	.0	.4	.0	.1	.0	.0	.0	.0	.3	2.5
W	.0	.1	.3	2.5	.1	1.0	.1	.8	.1	.6	.0	.2	.0	.1	.6	5.2
WNW	.0	.1	.4	3.1	.2	1.3	.2	1.6	.2	2.0	.1	1.2	.0	.2	1.1	9.4
NW	.0	.1	.3	2.7	.2	2.1	.3	2.5	.3	2.5	.1	.6	.0	.2	1.2	10.7
NNW	.0	.0	.3	2.5	.2	1.6	.2	1.8	.2	1.8	.0	.4	.0	.0	1.0	8.2
CALM	.1	1.1													.1	1.1
TOTAL	.3	2.3	4.2	36.4	2.2	18.9	2.4	20.4	2.0	17.2	.5	4.1	.1	.6	11.7	100
																14.4

CEILING-VISIBILITY
WIND GRAPH



RST ROCHESTER, MN
CLASS 4 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 4 / DAY

STATION NUMBER: 14925

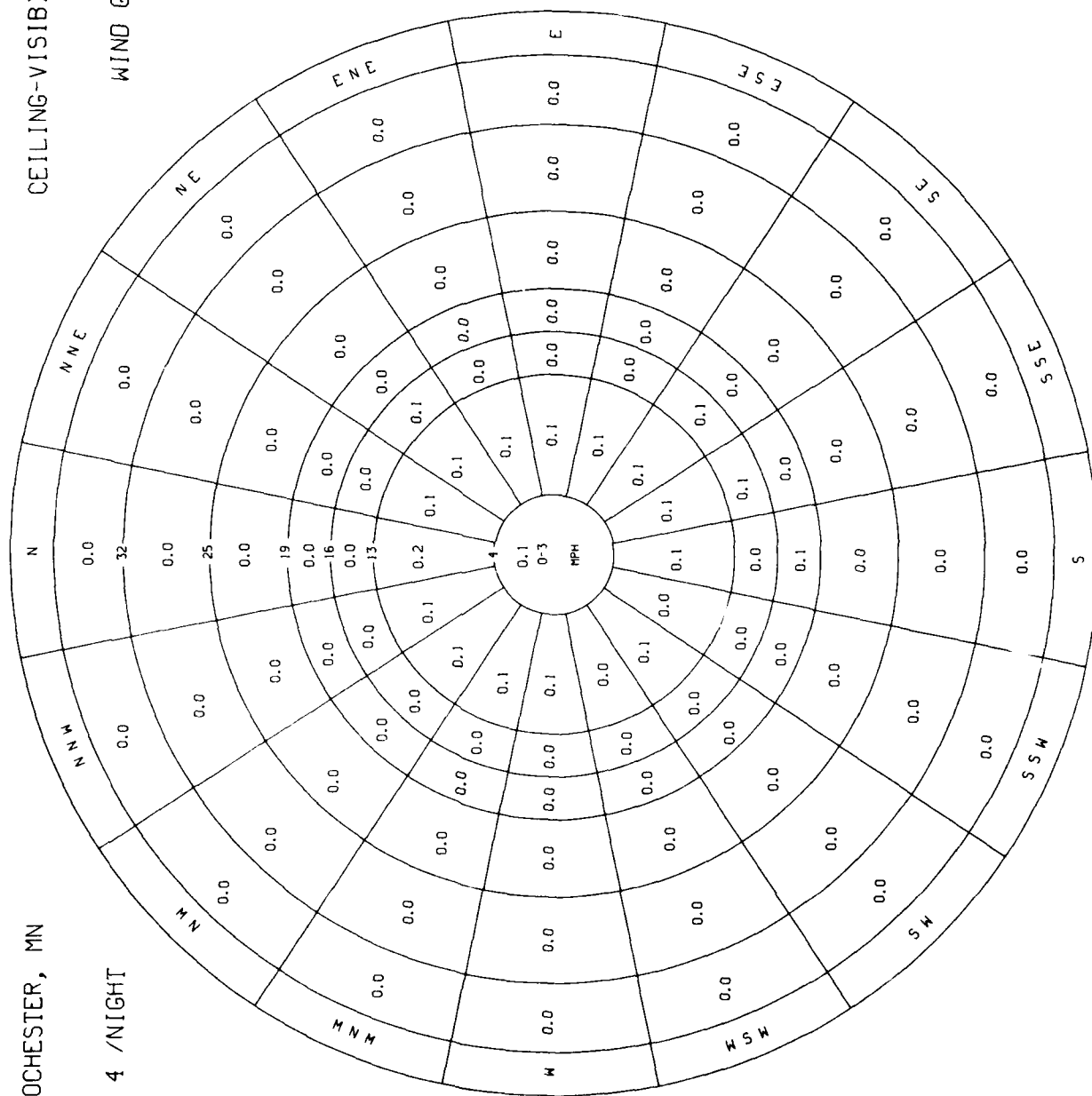
NO. OBS.: 719

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	.1	3.9	.1	2.2	.0	1.9	.0	1.8	.0	.3	.0	.0	.3 10.4
NNE	.0	.3	.1	3.9	.0	1.4	.0	.6	.0	.6	.0	.6	.0	.0	.2 7.2
NNE	.0	.0	.1	3.6	.0	1.9	.0	1.3	.0	.6	.0	.0	.0	.0	.2 7.4
ENE	.0	.0	.1	2.6	.0	1.3	.0	.4	.0	.3	.0	.0	.0	.0	.1 4.6
E	.0	.0	.1	4.7	.0	1.3	.0	1.0	.0	1.0	.0	.0	.0	.1	.2 8.1
ESE	.0	.3	.1	2.9	.0	1.5	.0	1.4	.0	.7	.0	.4	.0	.3	.2 7.5
SE	.0	.0	.1	3.1	.1	2.2	.0	1.1	.0	.4	.0	.1	.0	.0	.2 7.0
SSE	.0	.1	.1	3.3	.0	1.8	.0	.7	.0	.7	.0	.0	.0	.0	.2 6.7
S	.0	.0	.1	4.3	.0	1.7	.1	2.4	.0	1.1	.0	.6	.0	.0	.3 10.0
SSW	.0	.1	.0	1.1	.0	1.1	.0	.6	.0	.4	.0	.0	.0	.0	.1 3.3
SW	.0	.0	.0	1.4	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.0 1.9
WSW	.0	.1	.0	1.4	.0	.1	.0	.3	.0	.0	.0	.1	.0	.0	.1 2.1
W	.0	.0	.0	1.5	.0	.6	.0	.4	.0	.0	.0	.0	.0	.3	.1 2.8
WNW	.0	.1	.0	1.4	.0	1.0	.0	.4	.0	.8	.0	.6	.0	.4	.1 4.7
NW	.0	.1	.1	2.5	.1	2.1	.0	1.4	.0	1.0	.0	.4	.0	.1	.2 7.6
NNW	.0	.0	.1	2.5	.0	1.7	.0	1.4	.0	1.7	.0	.1	.0	.0	.2 7.4
CALM	.0	1.3													.0 1.3
TOTAL	.1	2.8	1.1	44.2	.6	22.1	.4	15.3	.3	11.0	.1	3.3	.0	1.3	2.5 100
															13.4

RST ROCHESTER, MN

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 4 / NIGHT

STATION NUMBER: 14925

NO. OBS.: 662

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	.2	6.0	.0	1.5	.0	1.2	.0	1.1	.0	.2	.0	.0	.3 10.0
NNE	.0	.0	.1	3.3	.0	1.1	.0	.8	.0	.5	.0	.5	.0	.0	.2 6.0
NE	.0	.0	.1	3.0	.1	2.1	.0	.9	.0	.6	.0	.3	.0	.0	.2 7.1
ENE	.0	.2	.1	2.3	.0	.6	.0	.3	.0	.0	.0	.2	.0	.0	.1 3.5
E	.0	.0	.1	3.3	.0	.6	.0	.6	.0	.8	.0	.0	.0	.0	.1 5.3
ESE	.0	.3	.1	2.7	.0	1.5	.0	.9	.0	.6	.0	.0	.0	.0	.2 6.0
SE	.0	.0	.1	3.2	.1	2.1	.0	.8	.0	.6	.0	.2	.0	.0	.2 6.8
SSE	.0	.0	.1	2.7	.1	2.0	.0	.6	.0	1.1	.0	.2	.0	.0	.2 6.5
S	.0	.0	.1	5.1	.0	1.1	.1	2.7	.0	1.4	.0	.0	.0	.2	.3 10.4
SSW	.0	.0	.0	1.4	.0	1.7	.0	.6	.0	.5	.0	.2	.0	.0	.1 4.2
SW	.0	.0	.1	2.1	.0	.3	.0	.3	.0	.3	.0	.2	.0	.0	.1 3.2
WSW	.0	.2	.0	1.5	.0	.5	.0	.3	.0	.2	.0	.0	.0	.0	.1 2.6
W	.0	.5	.1	2.1	.0	.5	.0	.3	.0	.3	.0	.0	.0	.5	.1 4.1
WNW	.0	.0	.1	2.9	.0	1.7	.0	.9	.0	.3	.0	.5	.0	.2	.2 6.3
NW	.0	.6	.1	4.7	.0	1.5	.0	1.2	.0	1.1	.0	.3	.0	.6	.3 10.0
NNW	.0	.3	.1	2.3	.0	1.7	.0	1.1	.0	.5	.0	.3	.0	.0	.2 6.0
CALM	.1	2.0													.1 2.0
TOTAL	.1	3.9	1.3	48.6	.6	20.2	.4	13.4	.3	9.7	.1	2.7	.0	1.4	2.7 100
															12.8

AD-A108 161

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

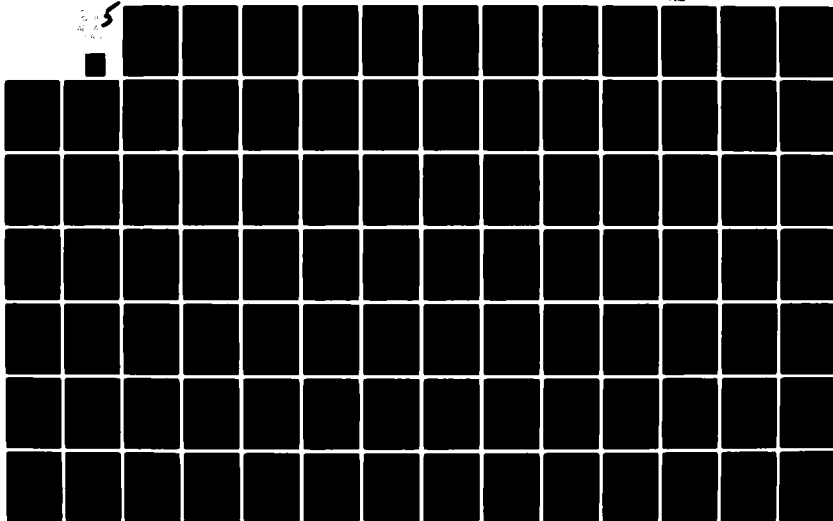
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)

JUN 81

DOT-FA79WAI-057

UNCLASSIFIED

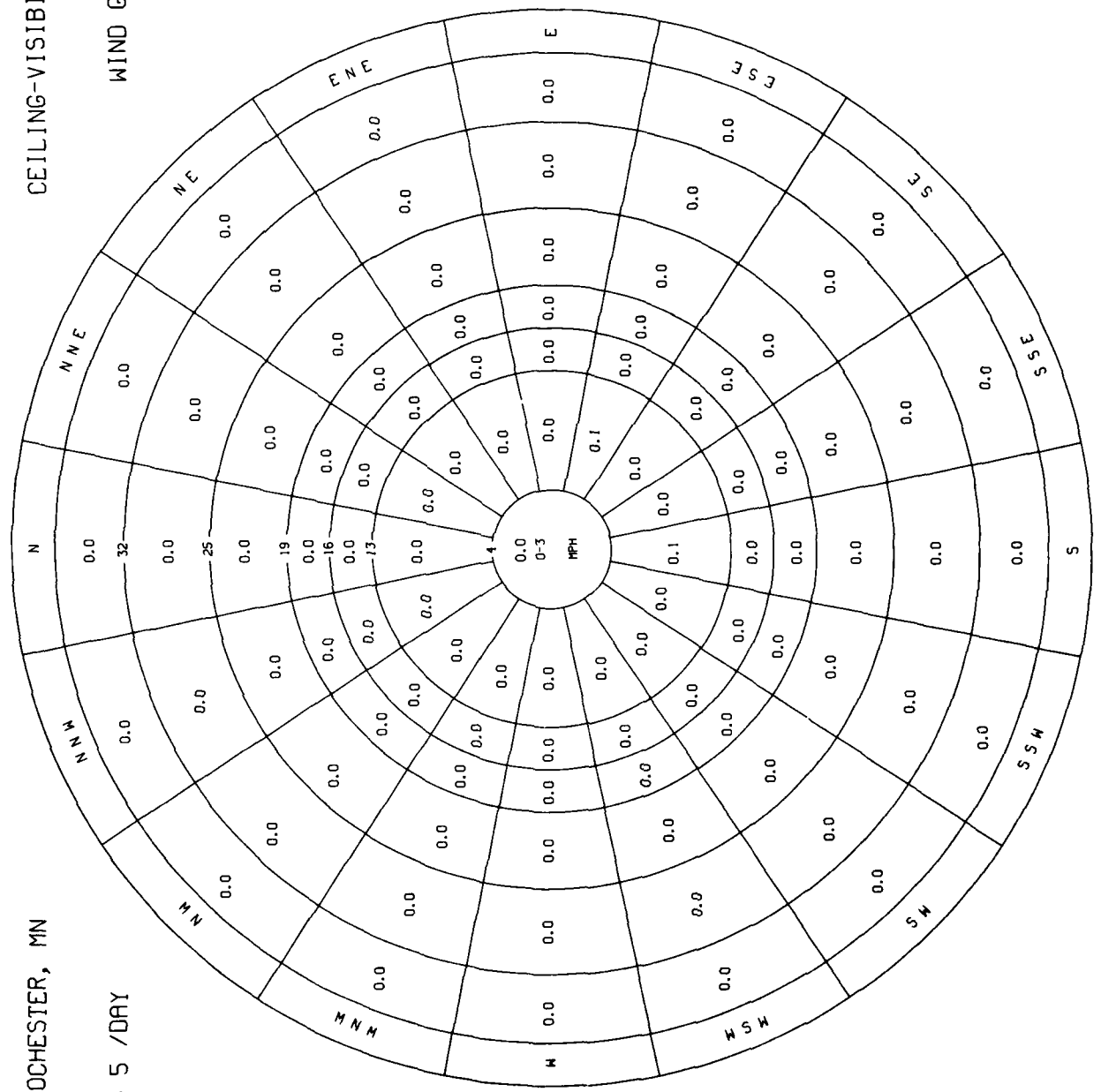
NL



A
816

CEILING-VISIBILITY

WIND GRAPH



RST ROCHESTER, MN

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 5 / DAY

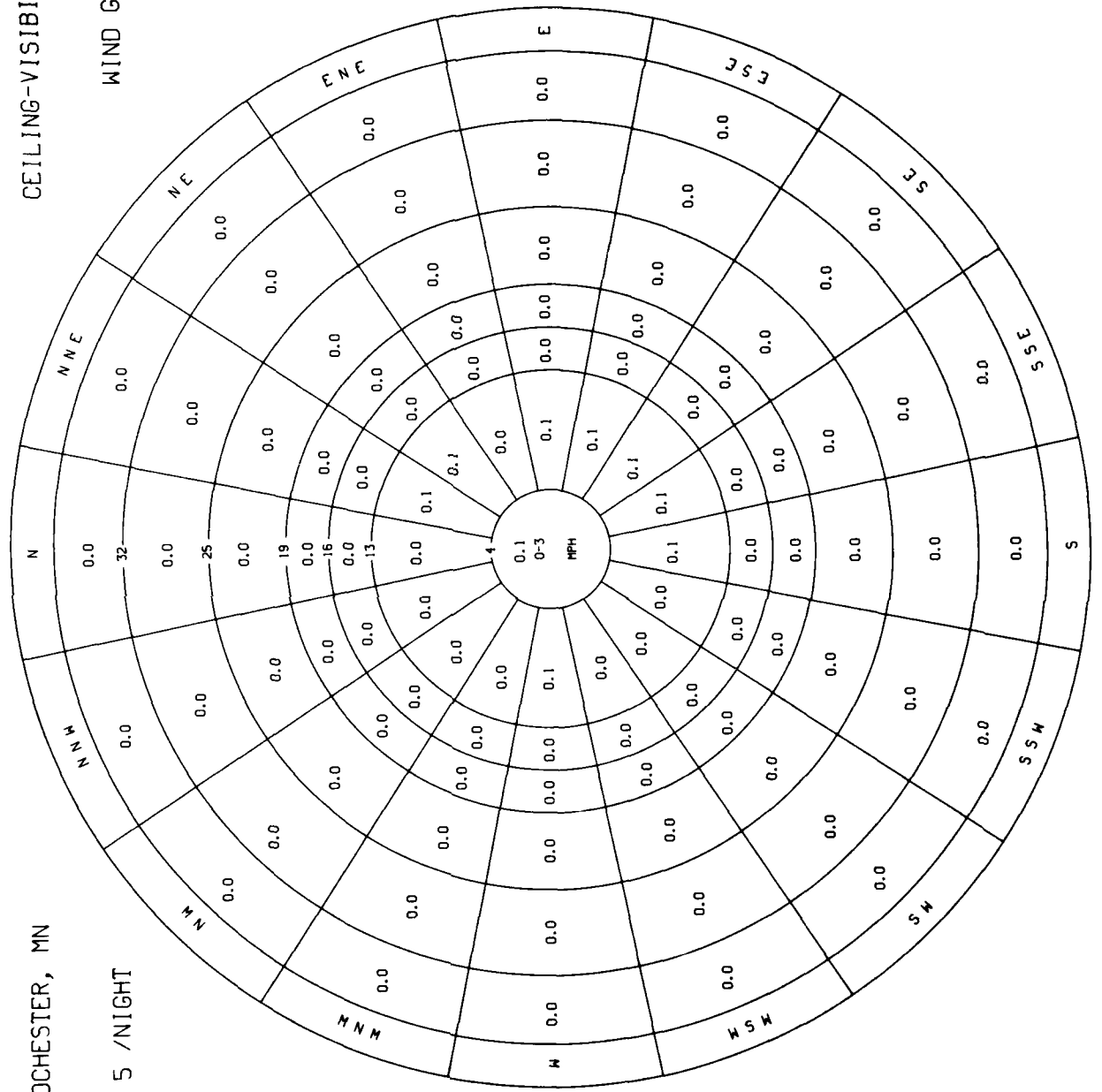
STATION NUMBER: 14925

NO. OBS.: 230

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	3.5	.0	.9	.0	1.7	.0	.0	.0	.4	.0	.4	.1	7.0	14.3
NNE	.0	.0	.0	1.7	.0	.9	.0	.0	.0	1.3	.0	.9	.0	.4	.0	5.2	19.0
NE	.0	.0	.0	3.5	.0	1.3	.0	.4	.0	.9	.0	.0	.0	.0	.0	6.1	12.0
ENE	.0	.0	.0	3.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	4.8	9.7
E	.0	.9	.0	2.6	.0	1.7	.0	.9	.0	1.7	.0	.0	.0	.0	.1	7.8	13.0
ESE	.0	.0	.1	7.0	.0	.4	.0	.9	.0	.4	.0	.0	.0	.0	.1	8.7	11.6
SE	.0	.0	.0	3.5	.0	2.2	.0	.4	.0	1.3	.0	.0	.0	.0	.1	7.4	13.0
SSE	.0	.0	.0	3.9	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.4	.1	7.8	12.7
S	.0	.0	.1	6.5	.0	1.3	.0	.9	.0	.9	.0	.9	.0	.0	.1	10.4	12.7
SSW	.0	.0	.0	5.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0	8.5
SW	.0	.4	.0	1.7	.0	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	4.3	11.5
WSW	.0	.4	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.7
W	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	2.2	17.6
WNW	.0	.0	.0	2.2	.0	2.2	.0	.0	.0	.4	.0	.9	.0	.4	.0	6.1	15.9
NW	.0	.0	.0	3.5	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.4	.0	5.7	12.4
NNW	.0	.0	.0	1.7	.0	2.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	4.8	12.3
CALM	.0	1.7													.0	1.7	
TOTAL	.0	3.5	.4	54.8	.2	19.6	.1	9.1	.1	7.4	.0	3.0	.0	2.6	.8	100	12.4

CEILING-VISIBILITY

WIND GRAPH



RST ROCHESTER, MN

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 5 / NIGHT

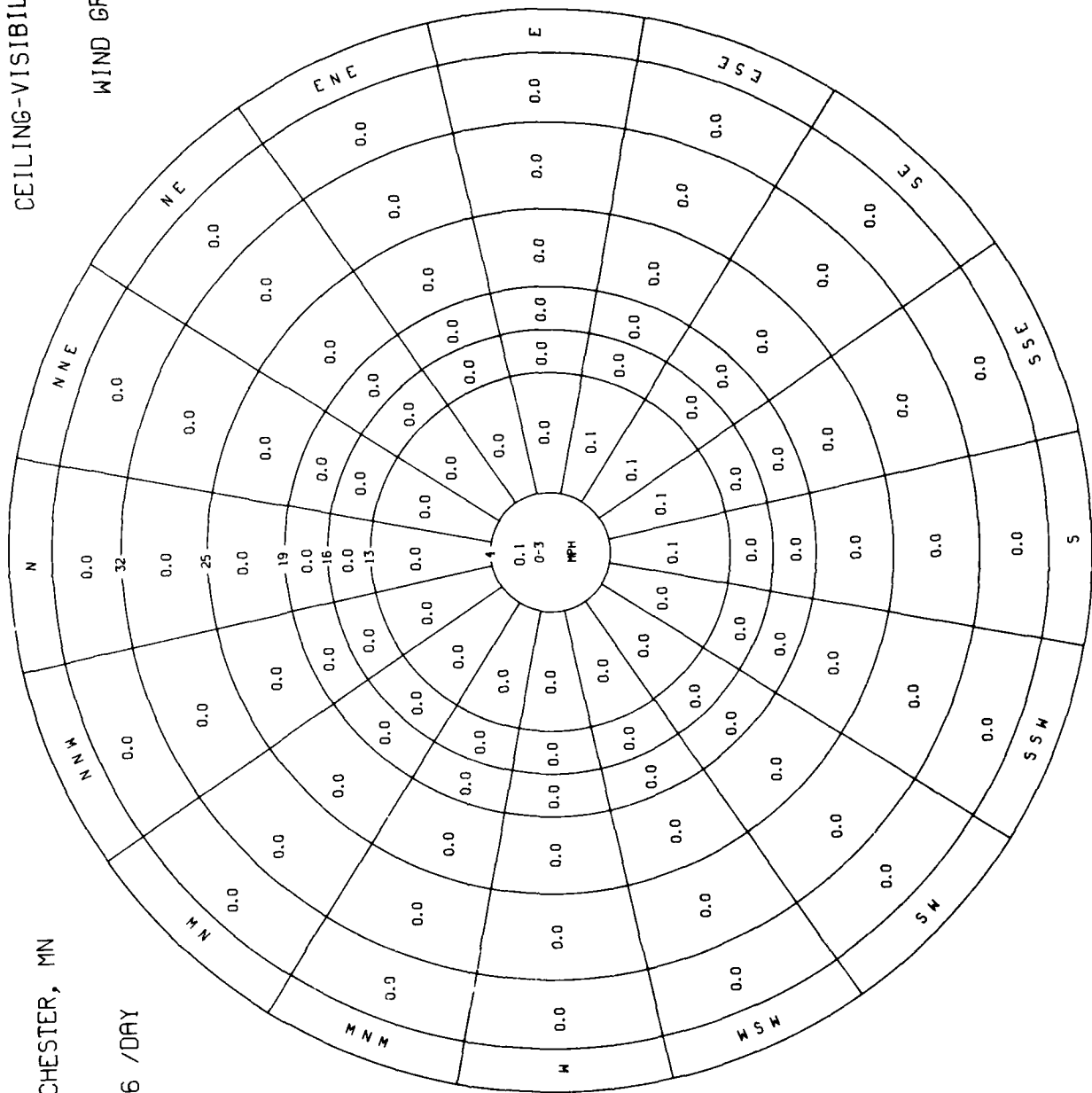
STATION NUMBER: 14925

NO. OBS.: 318

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	3.1	.0	1.3	.0	.0	.0	.0	.0	.3	.0	.0	.1 4.7
NNE	.0	.6	.1	4.4	.0	.9	.0	.3	.0	.9	.0	.0	.0	.0	.1 7.2
NE	.0	.0	.1	5.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.0
ENE	.0	.0	.0	1.9	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0 2.5
E	.0	.3	.1	5.7	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 7.5
ESE	.0	.0	.1	5.7	.0	1.3	.0	.3	.0	.6	.0	.0	.0	.0	.1 7.9
SE	.0	.0	.1	6.6	.0	.9	.0	1.9	.0	.3	.0	.0	.0	.0	.1 9.7
SSE	.0	.0	.1	4.1	.0	1.3	.0	.3	.0	.9	.0	.0	.0	.0	.1 6.6
S	.0	.3	.1	8.8	.0	1.9	.0	1.3	.0	1.6	.0	.3	.0	.0	.2 14.2
SSW	.0	.3	.0	2.5	.0	.9	.0	.3	.0	.3	.0	.0	.0	.0	.1 4.4
SW	.0	.0	.0	2.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
WSW	.0	.0	.0	1.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
W	.0	.3	.1	4.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	.1 5.3
WNW	.0	.0	.0	3.5	.0	.6	.0	.3	.0	.0	.0	.3	.0	.6	.1 5.3
NW	.0	.0	.0	2.5	.0	1.3	.0	.3	.0	.3	.0	.0	.0	.0	.1 4.4
NNW	.0	.0	.0	1.9	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
CALM	.1	4.1													.1 4.1
TOTAL	.1	6.0	.9	65.4	.2	15.7	.1	5.7	.1	5.3	.0	.9	.0	.9	1.3 100
															10.5

RST ROCHESTER, MN

CLASS 6 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 6 / DAY

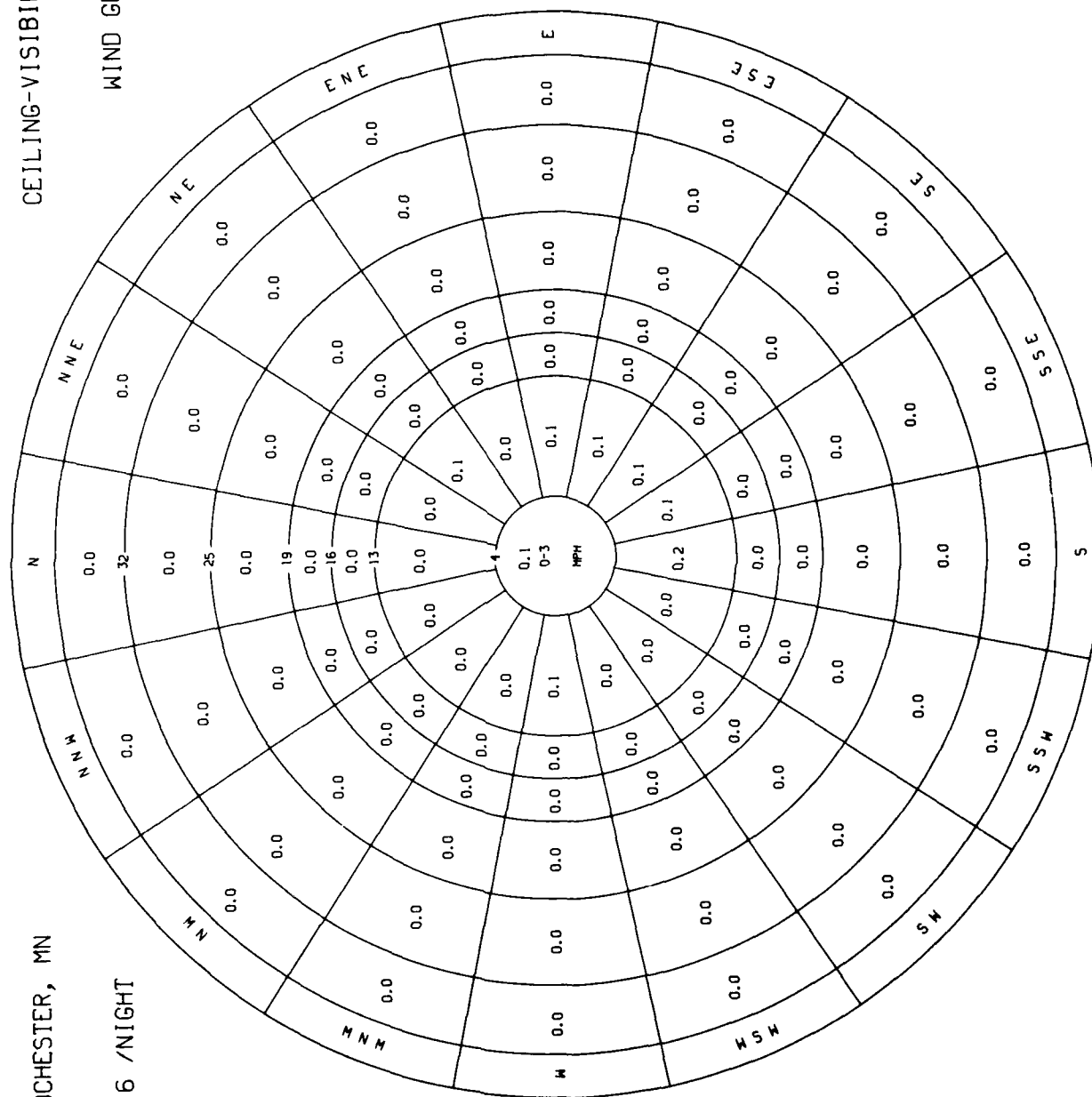
STATION NUMBER: 14925

NO. OBS.: 264

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	.0	4.5	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.4	.1	7.6	10.4
NNE	.0	.4	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	7.5
NE	.0	.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.2
ENE	.0	.0	.0	2.3	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.0	9.6
E	.0	.4	.0	2.7	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	4.9	11.3
ESE	.0	.0	.1	6.8	.0	.4	.0	1.5	.0	.4	.0	.0	.0	.0	.1	9.1	10.4
SE	.0	.4	.1	6.4	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.1	8.3	10.0
SSE	.0	.4	.1	7.2	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	8.7	9.0
S	.0	1.9	.1	12.1	.0	1.1	.0	1.9	.0	1.1	.0	.0	.0	.0	.2	18.2	10.1
SSW	.0	.8	.0	3.4	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	4.9	8.8
SW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	8.3
WSW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.0
W	.0	.8	.0	2.7	.0	.8	.0	.0	.0	.0	.0	.4	.0	.8	.0	5.3	13.9
WNW	.0	.4	.0	3.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	8.7
NW	.0	.4	.0	2.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.0	6.3
NNW	.0	.4	.0	3.4	.0	.8	.0	.0	.0	.0	.0	.4	.0	.0	.0	4.9	10.5
CALM	.0	4.5													.0	4.5	
TOTAL	1	11.7	.6	69.7	.1	8.0	.1	6.8	.0	1.9	.0	.8	.0	1.1	.9	100	9.3

CEILING-VISIBILITY

WIND GRAPH



RST ROCHESTER, MN

CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RST ROCHESTER, MN

PERIOD: 1961-1978

CLASS 6 / NIGHT

STATION NUMBER: 14925

NO. OBS.: 282

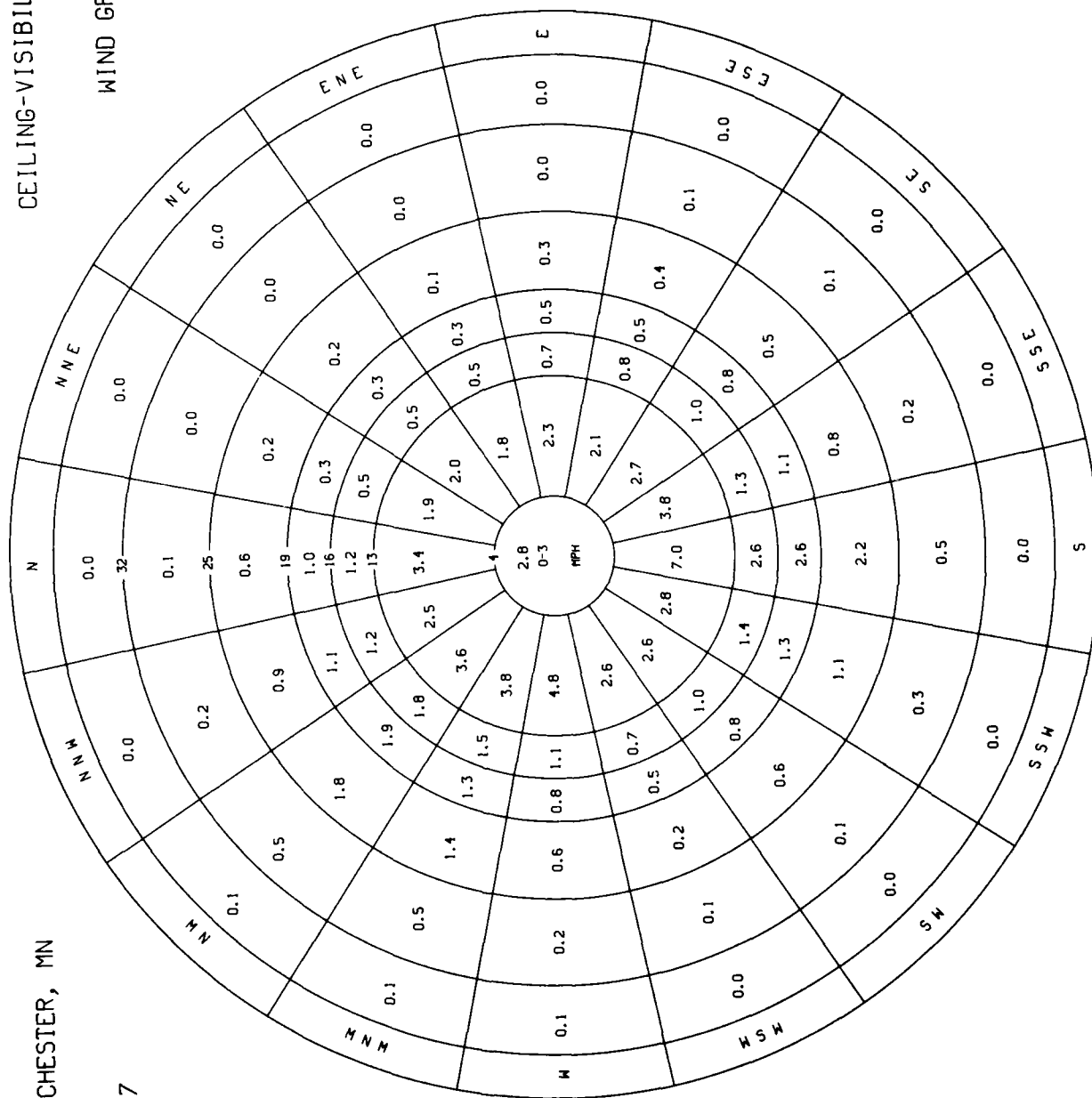
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.0	3.2	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.1	4.6	8.7
NNE	.0	.4	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.8
NE	.0	.4	.1	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.1	6.8
ENE	.0	.7	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.2
E	.0	.4	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	7.3
ESE	.0	.4	.1	5.3	.0	.0	.0	.7	.0	.4	.0	.0	.0	.0	.1	6.7	9.3
SE	.0	.0	.1	6.0	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.1	7.1	9.1
SSE	.0	.4	.1	6.0	.0	1.1	.0	1.1	.0	.4	.0	.0	.0	.0	.1	8.9	10.1
S	.0	.0	.2	15.2	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.2	18.4	9.6
SSW	.0	.7	.0	2.1	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0	4.3	10.2
SW	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	8.2
WSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0
W	.0	.0	.1	4.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.1	5.3	10.7
WNW	.0	.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	3.5	11.4
NW	.0	.7	.0	3.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	8.8
NNW	.0	.0	.0	2.1	.0	1.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	3.9	10.7
CALM	.1	6.4													.1	6.4	
TOTAL	.1	11.0	.9	74.1	.1	6.4	.1	6.4	.0	1.1	.0	.0	.0	.0	1.2	100	8.4

CEILING-VISIBILITY

WIND GRAPH

RST ROCHESTER, MN

CLASS 7

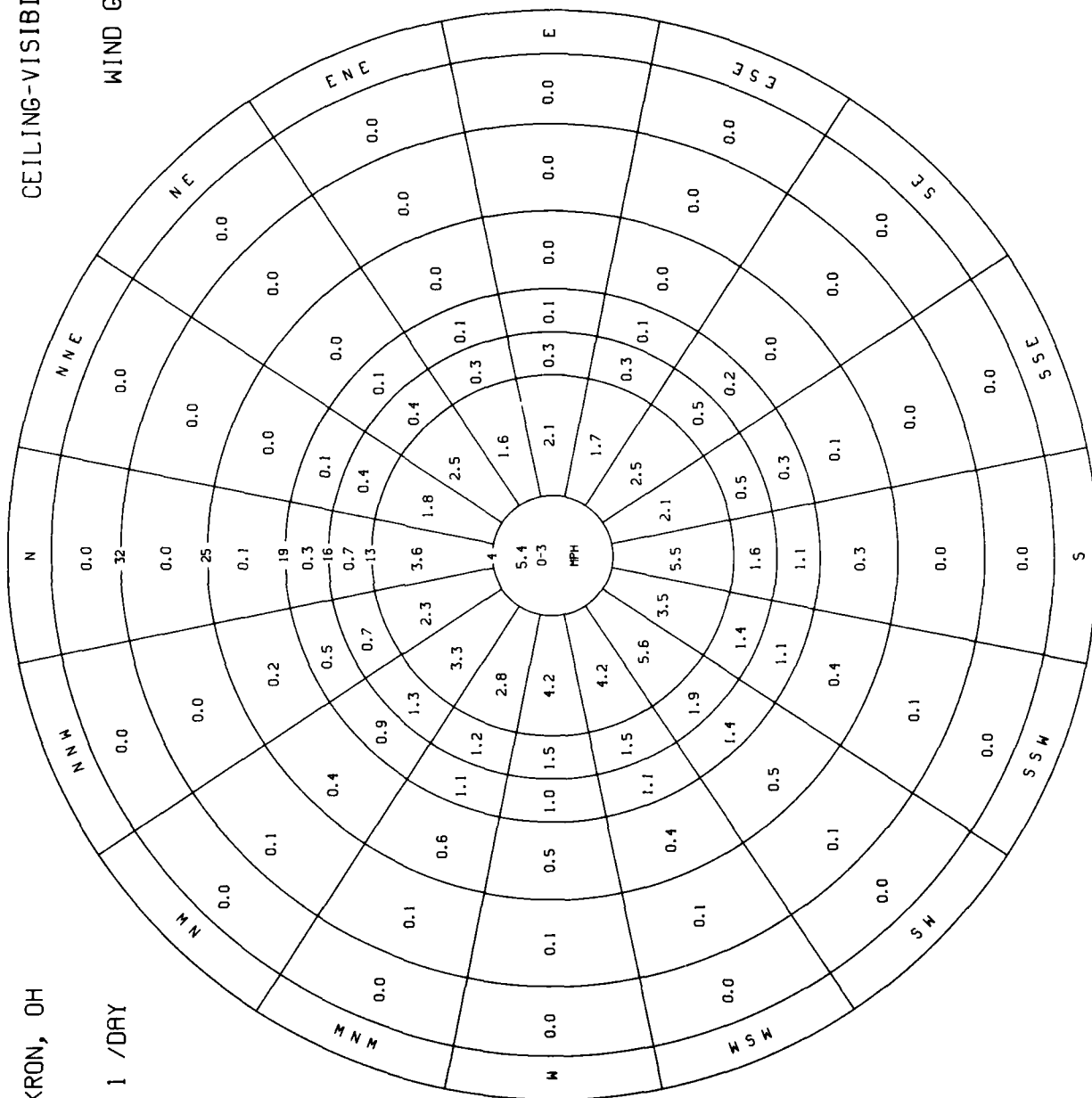


CEILING-VISIBILITY

WIND GRAPH

CAK AKRON, OH

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: CAK AKRON, OH

CLASS 1 / DAY

NO. OBS.: 39176

STATION NUMBER: 14895

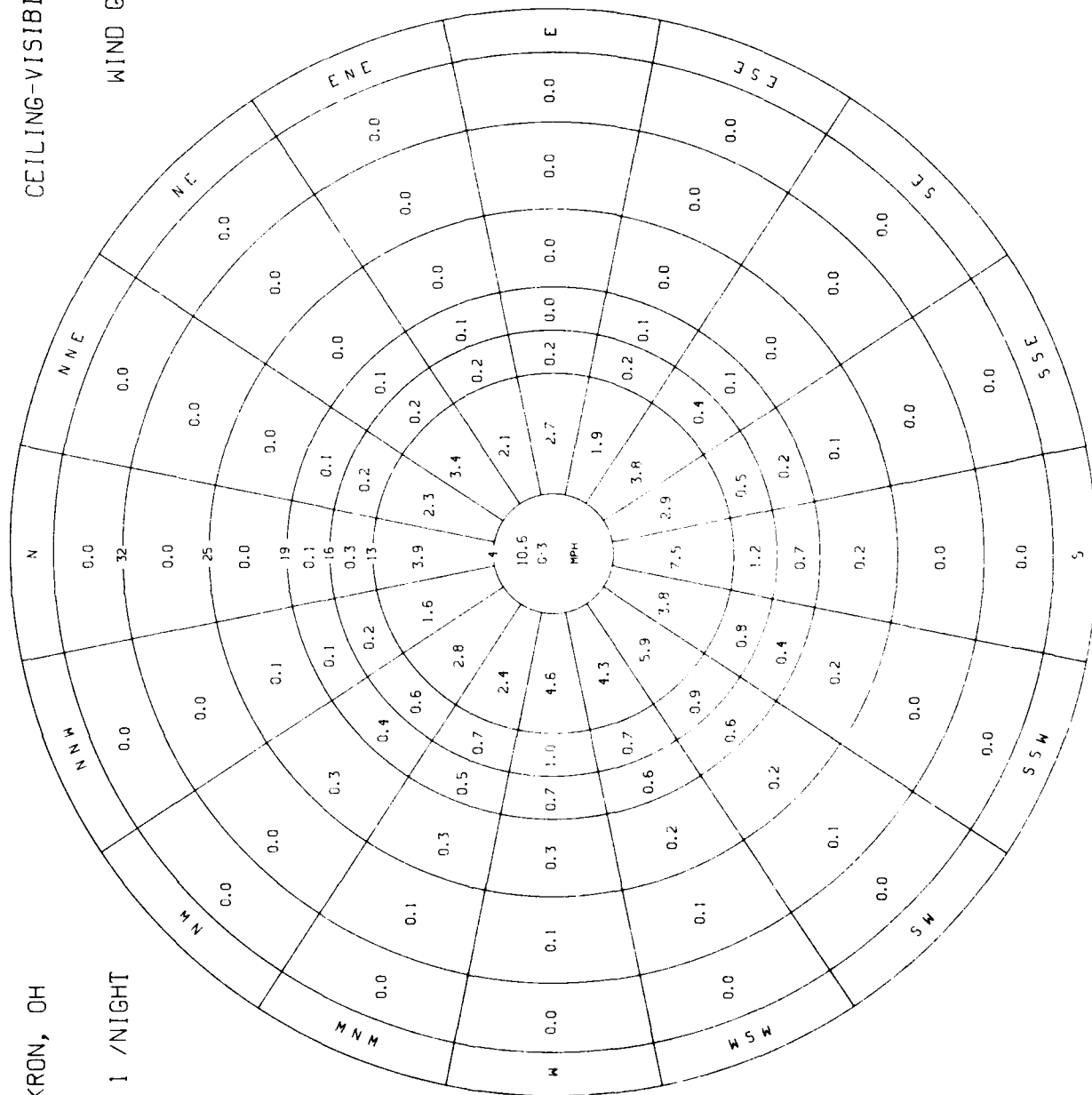
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	3.6	4.4	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	4.9	5.9	9.3
NNE	.2	.2	1.8	2.2	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	2.5	3.0	9.3
NE	.3	.3	2.5	3.0	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	3.3	3.9	8.7
ENE	.1	.2	1.6	2.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.6	8.8
E	.2	.3	2.1	2.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.3	8.5
ESE	.2	.2	1.7	2.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.7	9.0
SE	.3	.4	2.5	3.0	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	3.5	4.2	9.0
SSE	.2	.3	2.1	2.6	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.2	3.8	9.6
S	.4	.5	5.5	6.6	1.6	2.0	1.1	1.3	.3	.4	.0	.0	.0	.0	9.0	10.9	10.8
SSW	.2	.2	3.5	4.3	1.4	1.7	1.1	1.3	.4	.5	.1	.1	.0	.0	6.7	8.1	12.0
SW	.4	.4	5.6	6.8	1.9	2.3	1.4	1.7	.5	.6	.1	.1	.0	.0	9.8	11.9	11.4
WSW	.2	.3	4.2	5.0	1.5	1.8	1.1	1.3	.4	.5	.1	.2	.0	.0	7.6	9.2	11.7
W	.3	.3	4.2	5.1	1.5	1.8	1.0	1.2	.5	.6	.1	.1	.0	.0	7.6	9.2	11.6
WNW	.2	.3	2.8	3.4	1.2	1.5	1.1	1.3	.6	.7	.1	.1	.0	.0	6.0	7.3	12.5
NW	.2	.3	3.3	4.0	1.3	1.6	.9	1.1	.4	.5	.1	.1	.0	.0	6.3	7.6	11.9
NNW	.1	.2	2.3	2.7	.7	.8	.5	.6	.2	.2	.0	.0	.0	.0	3.7	4.5	11.0
CALM	1.6	1.9													1.6	1.9	
TOTAL	5.4	6.6	49.3	59.7	14.4	17.5	9.3	11.2	3.5	4.2	.6	.8	.1	.1	82.6	100	10.6

CEILING-VISIBILITY

WIND GRAPH

CAK AKRON, OH

CLASS 1 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 1 / NIGHT

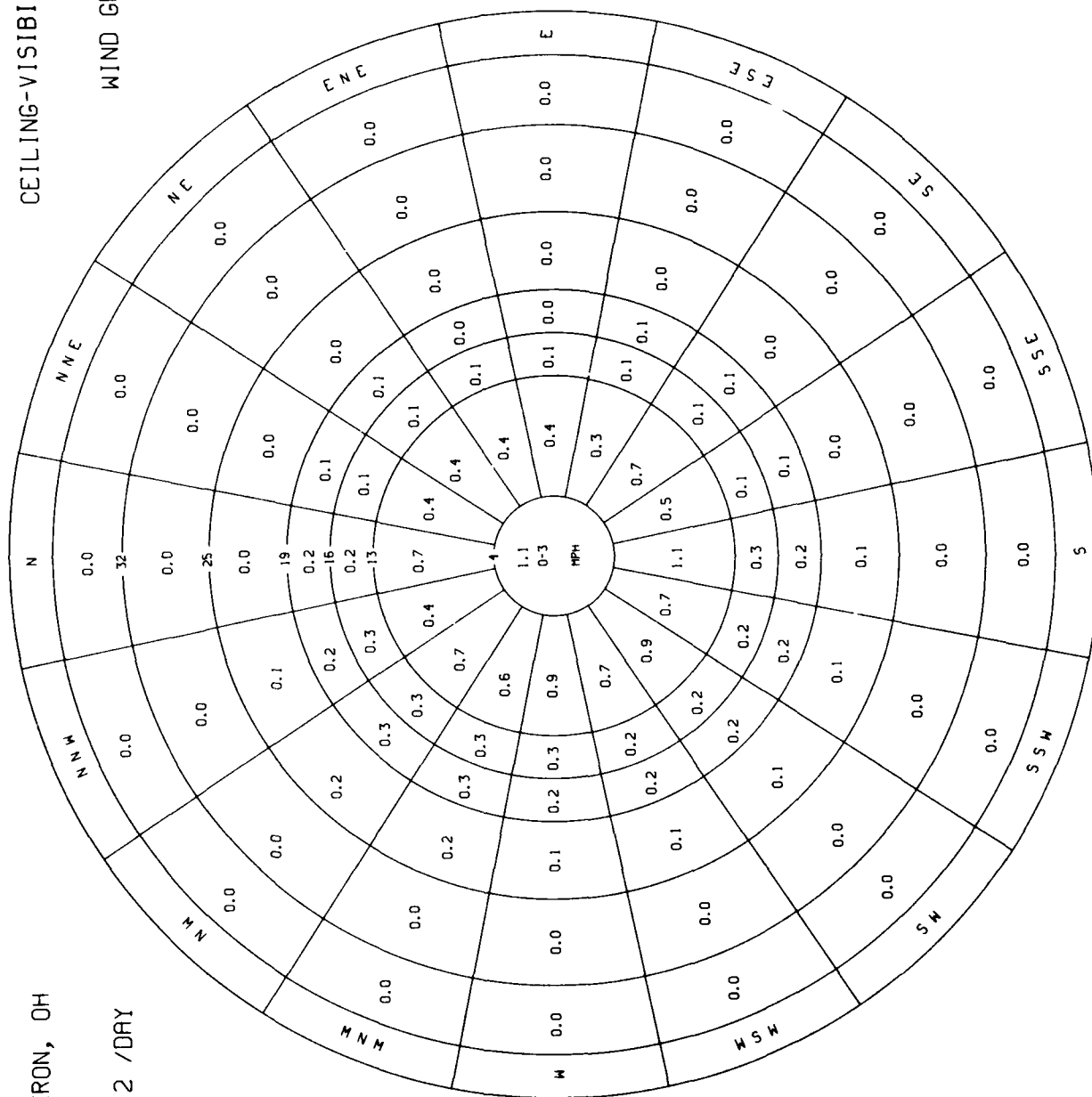
STATION NUMBER: 14895

NO. OBS.: 32838

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	3.9	4.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.7	5.8	7.6
NNE	.3	.3	2.3	2.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.5	7.9
NE	.4	.5	3.4	4.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.2	5.1	7.5
ENE	.2	.3	2.1	2.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.6	3.1	7.9
E	.4	.4	2.7	3.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.0	7.6
ESE	.3	.4	1.9	2.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.5	3.1	8.1
SE	.8	.9	3.8	4.6	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	5.0	6.2	7.5
SSE	.5	.6	2.9	3.6	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.2	5.2	8.6
S	.9	1.1	7.5	9.1	1.2	1.4	.7	.8	.2	.3	.0	.0	.0	.0	10.5	12.8	9.1
SSW	.5	.6	3.8	4.7	.8	1.0	.4	.5	.2	.2	.0	.0	.0	.0	5.8	7.1	9.7
SW	.5	.6	5.9	7.3	.9	1.1	.6	.7	.2	.3	.1	.1	.0	.0	8.1	10.0	9.2
WSW	.4	.5	4.3	5.3	.7	.9	.6	.7	.2	.3	.1	.1	.0	.0	6.3	7.7	9.8
W	.4	.5	4.6	5.6	1.0	1.2	.7	.8	.3	.3	.1	.1	.0	.0	7.0	8.6	10.1
WNW	.3	.4	2.4	3.0	.7	.9	.5	.6	.3	.4	.1	.1	.0	.0	4.3	5.3	11.1
NW	.3	.3	2.8	3.4	.6	.7	.4	.4	.3	.3	.0	.0	.0	.0	4.3	5.3	10.3
NNW	.1	.2	1.6	1.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.6	8.6
CALM	3.9	4.8													3.9	4.8	
TOTAL	10.6	13.0	55.9	68.4	8.3	10.1	4.6	5.6	1.9	2.3	.4	.5	.1	.1	81.7	100	8.5

CEILING-VISIBILITY

WIND GRAPH



CAK AKRON, OH

CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 2 / DAY

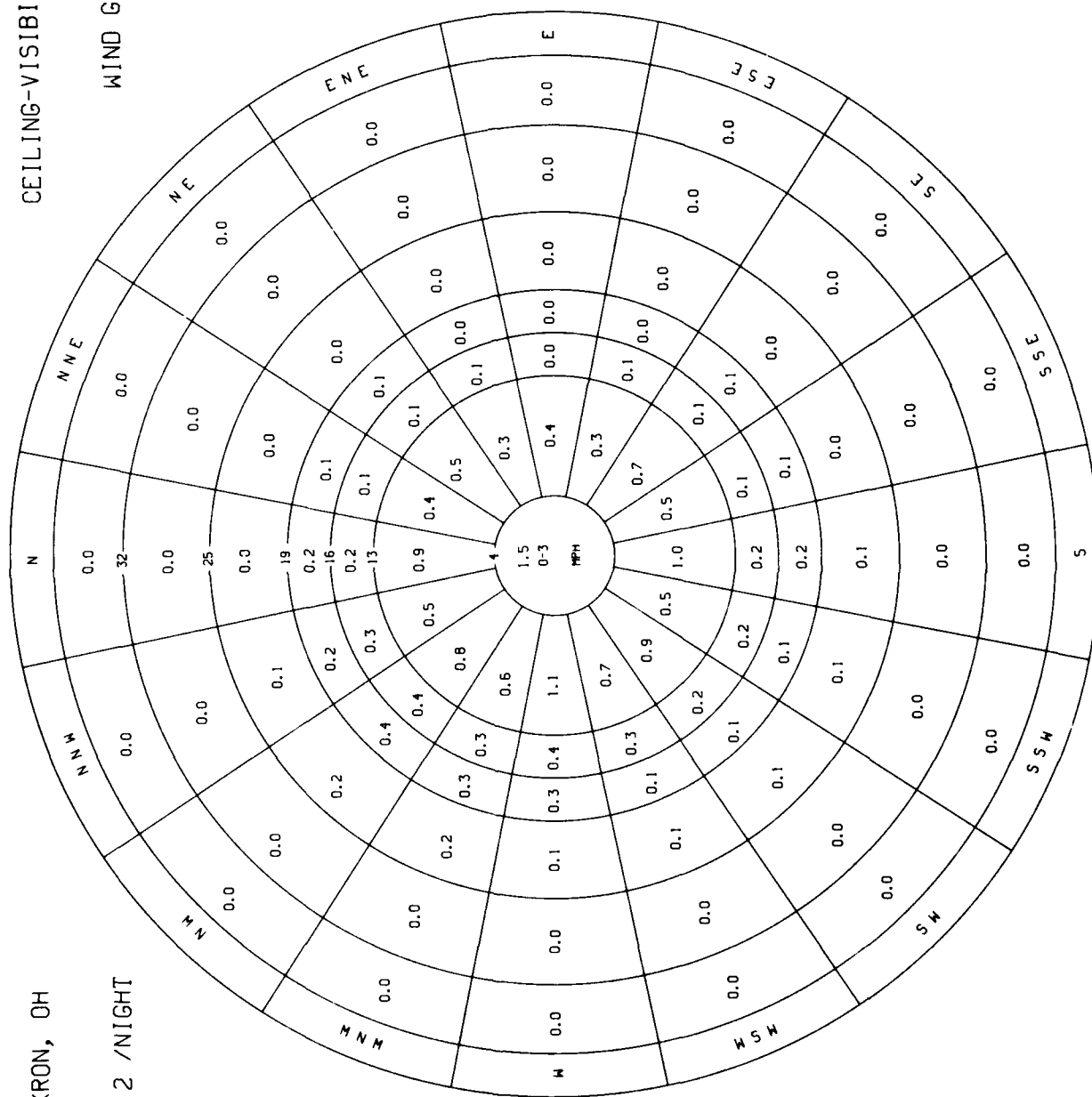
STATION NUMBER: 14895

NO. OBS.: 8264

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	.7	4.1	.2	1.2	.2	.9	.0	.2	.0	.0	.0	.0	1.2 6.7 11.0
NNE	.0	.1	.4	2.3	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.6 3.5 10.4
NE	.0	.3	.4	2.6	.1	.4	.1	.3	.0	.1	.0	.0	.0	.0	.6 3.7 9.6
ENE	.0	.1	.4	2.1	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 2.9 10.0
E	.0	.3	.4	2.5	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6 3.4 9.4
ESE	.0	.2	.3	1.8	.1	.5	.1	.3	.0	.0	.0	.0	.0	.0	.5 2.8 9.9
SE	.1	.5	.7	3.9	.1	.8	.1	.4	.0	.1	.0	.0	.0	.0	1.0 5.6 9.4
SSE	.0	.2	.5	3.1	.1	.6	.1	.5	.0	.1	.0	.0	.0	.0	.8 4.5 10.3
S	.1	.5	1.1	6.2	.3	1.9	.2	1.2	.1	.4	.0	.0	.0	.0	1.8 10.1 10.8
SSW	.0	.2	.7	3.8	.2	1.3	.2	.9	.1	.3	.0	.0	.0	.0	1.2 6.7 11.6
SW	.1	.4	.9	5.3	.2	1.4	.2	1.0	.1	.4	.0	.0	.0	.1	1.5 8.6 11.1
WSW	.0	.2	.7	4.3	.2	1.2	.2	.9	.1	.5	.0	.1	.0	.0	1.3 7.3 11.5
W	.0	.3	.9	4.9	.3	1.8	.2	1.4	.1	.5	.0	.1	.0	.0	1.5 8.9 11.7
WNW	.0	.1	.6	3.6	.3	1.6	.3	1.7	.2	1.1	.0	.2	.0	.0	1.5 8.4 13.8
NW	.0	.2	.7	3.9	.3	1.9	.3	1.6	.2	1.3	.0	.2	.0	.1	1.6 9.2 13.8
NNW	.0	.1	.4	2.5	.3	1.5	.2	.9	.1	.5	.0	.1	.0	.0	1.0 5.6 13.0
CALM	.3	2.0													.3 2.0
TOTAL	1.1	6.1	9.9	56.7	3.0	17.4	2.3	13.0	1.0	5.7	.2	.9	.1	.3	17.4 100 11.2

CAK AKRON, OH

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 2 / NIGHT

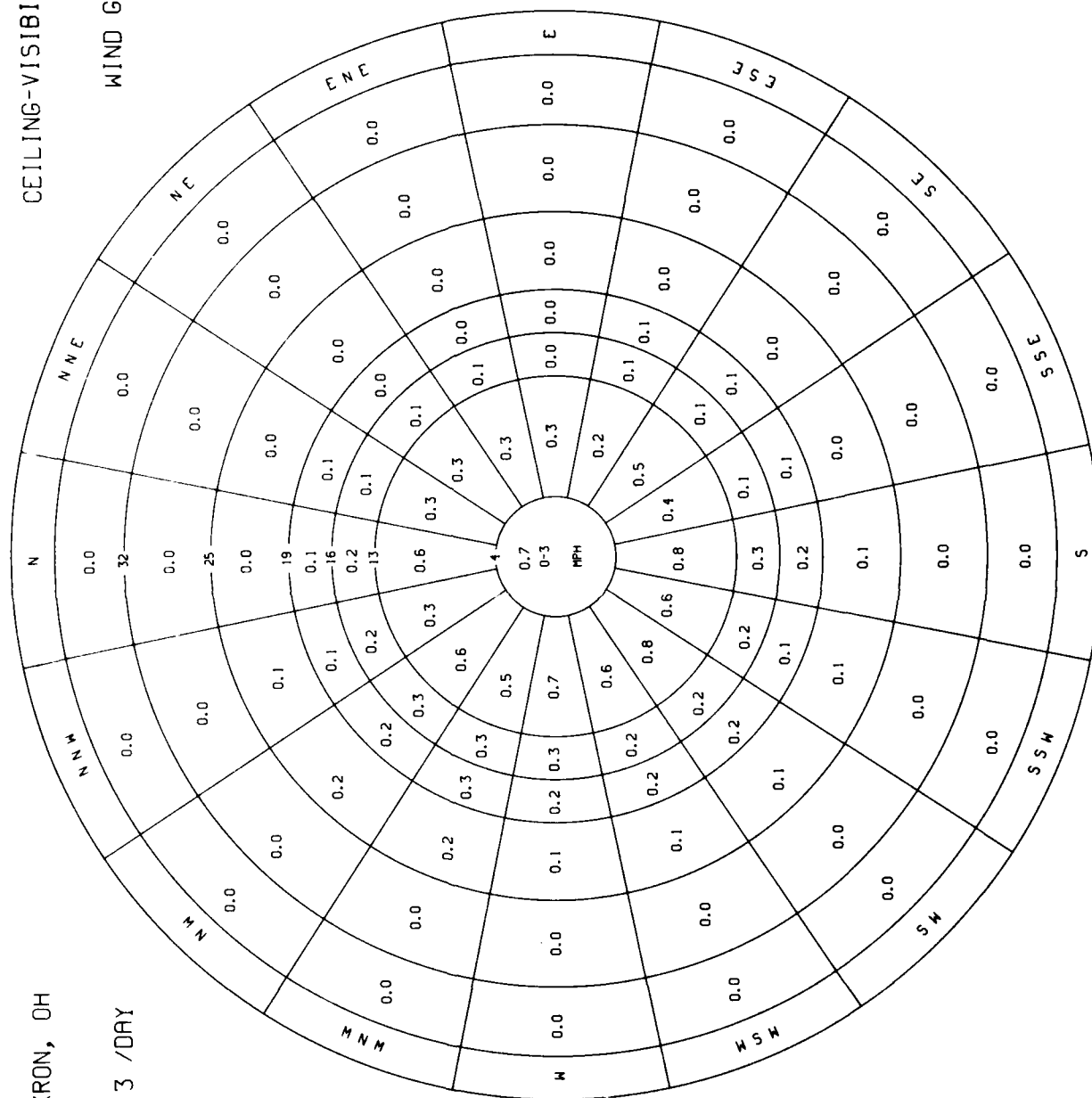
STATION NUMBER: 14895

NO. OBS.: 7333

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	.9	5.1	.2	1.1	.2	.9	.0	.2	.0	.1	.0	.0	1.4	7.7	10.4
NNE	.0	.2	.4	2.1	.1	.5	.1	.5	.0	.1	.0	.0	.0	.0	.6	3.4	10.5
NE	.0	.2	.5	3.0	.1	.4	.1	.4	.0	.1	.0	.0	.0	.0	.7	4.1	9.7
ENE	.1	.3	.3	1.7	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5	2.6	9.5
E	.0	.3	.4	2.3	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.6	3.1	8.8
ESE	.1	.3	.3	1.8	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.7	8.9
SE	.1	.7	.7	3.8	.1	.6	.1	.5	.0	.1	.0	.0	.0	.0	1.0	5.7	8.8
SSE	.1	.4	.5	2.6	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.7	4.1	9.5
S	.1	.6	1.0	5.6	.2	1.3	.2	.9	.1	.4	.0	.1	.0	.0	1.6	8.8	10.4
SSW	.0	.3	.5	2.9	.2	.9	.1	.7	.1	.4	.0	.1	.0	.0	1.0	5.3	11.5
SW	.1	.3	.9	4.7	.2	1.3	.1	.5	.1	.3	.0	.1	.0	.0	1.3	7.3	10.6
WSW	.1	.4	.7	4.0	.3	1.4	.1	.8	.1	.5	.0	.0	.0	.0	1.3	7.3	11.2
W	.1	.3	1.1	5.9	.4	2.4	.3	1.6	.1	.7	.0	.1	.0	.0	2.0	11.1	11.8
WNW	.0	.2	.6	3.5	.3	1.8	.3	1.7	.2	.9	.0	.2	.0	.0	1.5	8.2	13.1
NW	.0	.2	.8	4.4	.4	2.0	.4	2.0	.2	.8	.0	.1	.0	.0	1.7	9.6	12.9
NNW	.0	.2	.5	2.9	.3	1.4	.2	1.0	.1	.5	.0	.2	.0	.0	1.1	6.1	12.6
CALM	.6	3.2													.6	3.2	
TOTAL	1.5	8.5	10.3	56.3	3.1	16.9	2.2	12.2	.9	5.1	.2	1.0	.0	.1	18.3	100	10.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

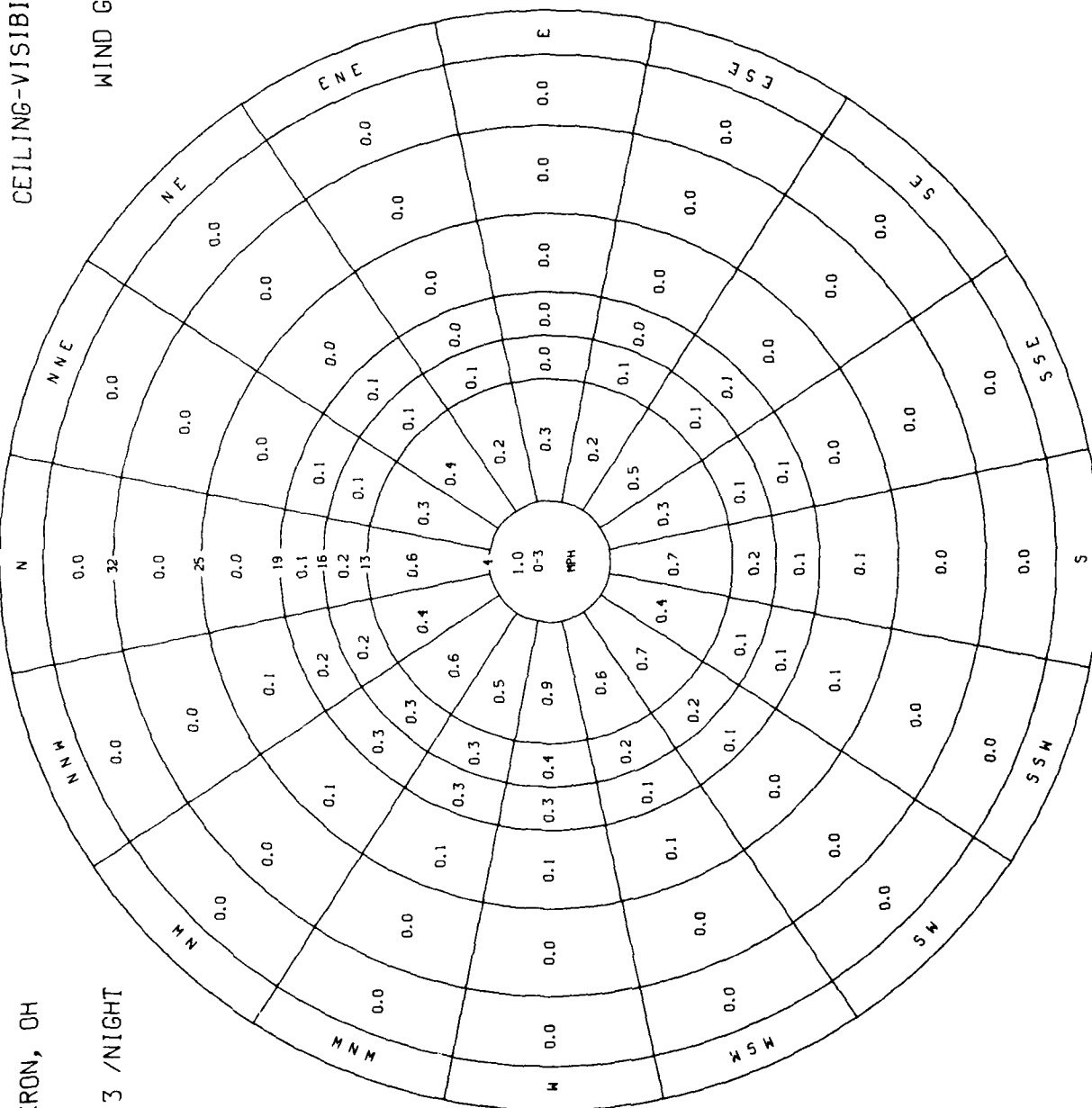
CLASS 3 / DAY

STATION NUMBER: 14895

ND. OBS.: 6810

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	3.8	.2	1.2	.1	.9	.0	.3	.0	.1	.0	.0	.9	6.6	11.2
NNE	.0	.1	.3	2.3	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.5	3.6	10.6
NE	.0	.2	.3	2.3	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.5	3.3	9.9
ENE	.0	.1	.3	1.7	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.5	10.1
E	.0	.3	.3	1.9	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4	2.7	9.3
ESE	.0	.2	.2	1.7	.1	.5	.1	.4	.0	.0	.0	.0	.0	.0	.4	2.8	10.2
SE	.1	.4	.5	3.6	.1	.7	.1	.5	.0	.1	.0	.0	.0	.0	.8	5.3	9.7
SSE	.0	.2	.4	2.9	.1	.5	.1	.5	.0	.1	.0	.0	.0	.0	.6	4.2	10.4
S	.1	.5	.8	5.7	.3	2.0	.2	1.4	.1	.4	.0	.0	.0	.0	1.4	9.9	11.2
SSW	.0	.2	.6	3.9	.2	1.5	.1	1.0	.1	.4	.0	.0	.0	.0	1.0	7.0	11.8
SW	.1	.4	.8	5.5	.2	1.5	.2	1.2	.1	.4	.0	.1	.0	.1	1.3	9.1	11.3
WSW	.0	.2	.6	4.5	.2	1.4	.2	1.1	.1	.5	.0	.1	.0	.0	1.1	7.9	11.8
W	.0	.2	.7	5.0	.3	2.0	.2	1.5	.1	.5	.0	.1	.0	.0	1.4	9.4	12.0
WNW	.0	.1	.5	3.8	.3	1.7	.3	1.9	.2	1.2	.0	.1	.0	.0	1.3	9.0	13.9
NW	.0	.2	.6	3.9	.3	1.9	.2	1.7	.2	1.4	.0	.2	.0	.1	1.4	9.4	14.1
NNW	.0	.1	.3	2.4	.2	1.5	.1	1.0	.1	.6	.0	.2	.0	.0	.8	5.7	13.4
CALM	.2	1.6													.2	1.6	
TOTAL	.7	5.1	7.9	54.9	2.6	18.4	2.0	14.1	.9	6.2	.1	1.0	.0	.3	14.4	100	11.5

CEILING-VISIBILITY WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 3 / NIGHT

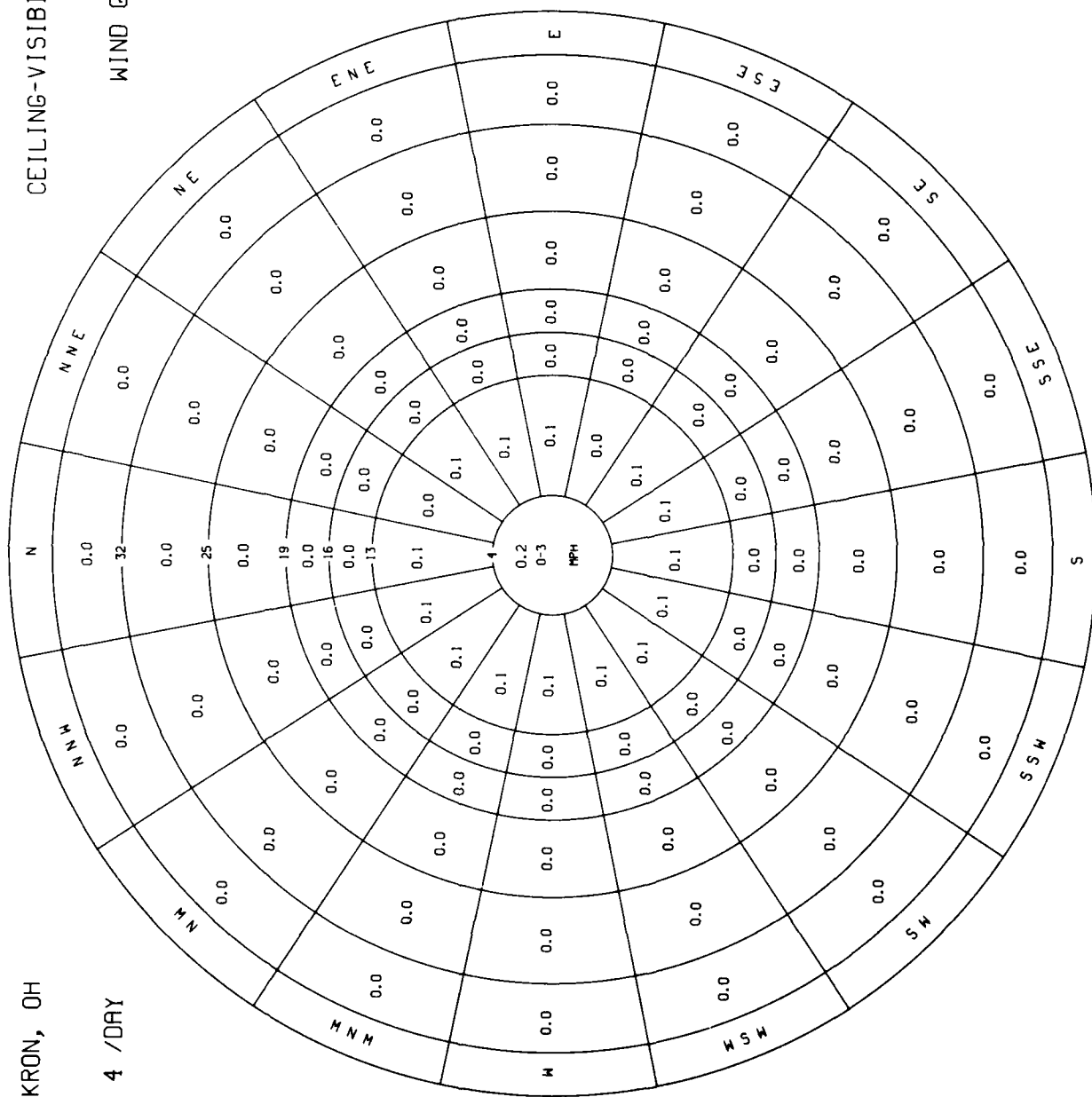
STATION NUMBER: 14895

NO. OBS.: 5643

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	4.6	.2	1.2	.1	.9	.0	.2	.0	.1	.0	.0	1.0 7.1 10.8
NNE	.0	.2	.3	2.1	.1	.6	.1	.5	.0	.1	.0	.0	.0	.0	.5 3.5 10.8
NE	.0	.2	.4	2.7	.1	.4	.1	.5	.0	.1	.0	.0	.0	.0	.5 3.9 10.0
ENE	.0	.3	.2	1.3	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.2 9.6
E	.0	.2	.3	2.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.7 9.2
ESE	.0	.2	.2	1.6	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3 2.5 9.2
SE	.1	.6	.5	3.4	.1	.6	.1	.5	.0	.1	.0	.0	.0	.0	.7 5.1 9.2
SSE	.0	.3	.3	2.0	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.5 3.5 9.7
S	.1	.5	.7	4.9	.2	1.4	.1	1.0	.1	.4	.0	.1	.0	.0	1.2 8.4 11.0
SSW	.0	.2	.4	2.9	.1	1.0	.1	.9	.1	.4	.0	.1	.0	.0	.8 5.5 12.1
SW	.0	.3	.7	4.8	.2	1.5	.1	.6	.0	.3	.0	.1	.0	.0	1.1 7.6 10.8
WSW	.0	.3	.6	4.3	.2	1.7	.1	1.0	.1	.6	.0	.1	.0	.0	1.1 8.0 11.8
W	.0	.3	.9	6.1	.4	2.9	.3	2.0	.1	.8	.0	.1	.0	.0	1.7 12.2 12.3
WNW	.0	.2	.5	3.5	.3	2.1	.3	2.0	.1	1.0	.0	.2	.0	.0	1.3 9.0 13.6
NW	.0	.2	.6	4.4	.3	2.2	.3	2.2	.1	1.0	.0	.1	.0	.0	1.4 10.2 13.2
NNW	.0	.1	.4	2.7	.2	1.4	.2	1.2	.1	.5	.0	.2	.0	.0	.9 6.1 13.1
CALM	.4	2.6													.4 2.6
TOTAL	1.0	6.9	7.5	53.4	2.6	18.7	2.0	14.2	.8	5.6	.2	1.1	.0	.1	14.0 100 11.2

CEILING-VISIBILITY
WIND GRAPH

CAK AKRON, OH
CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 4 / DAY

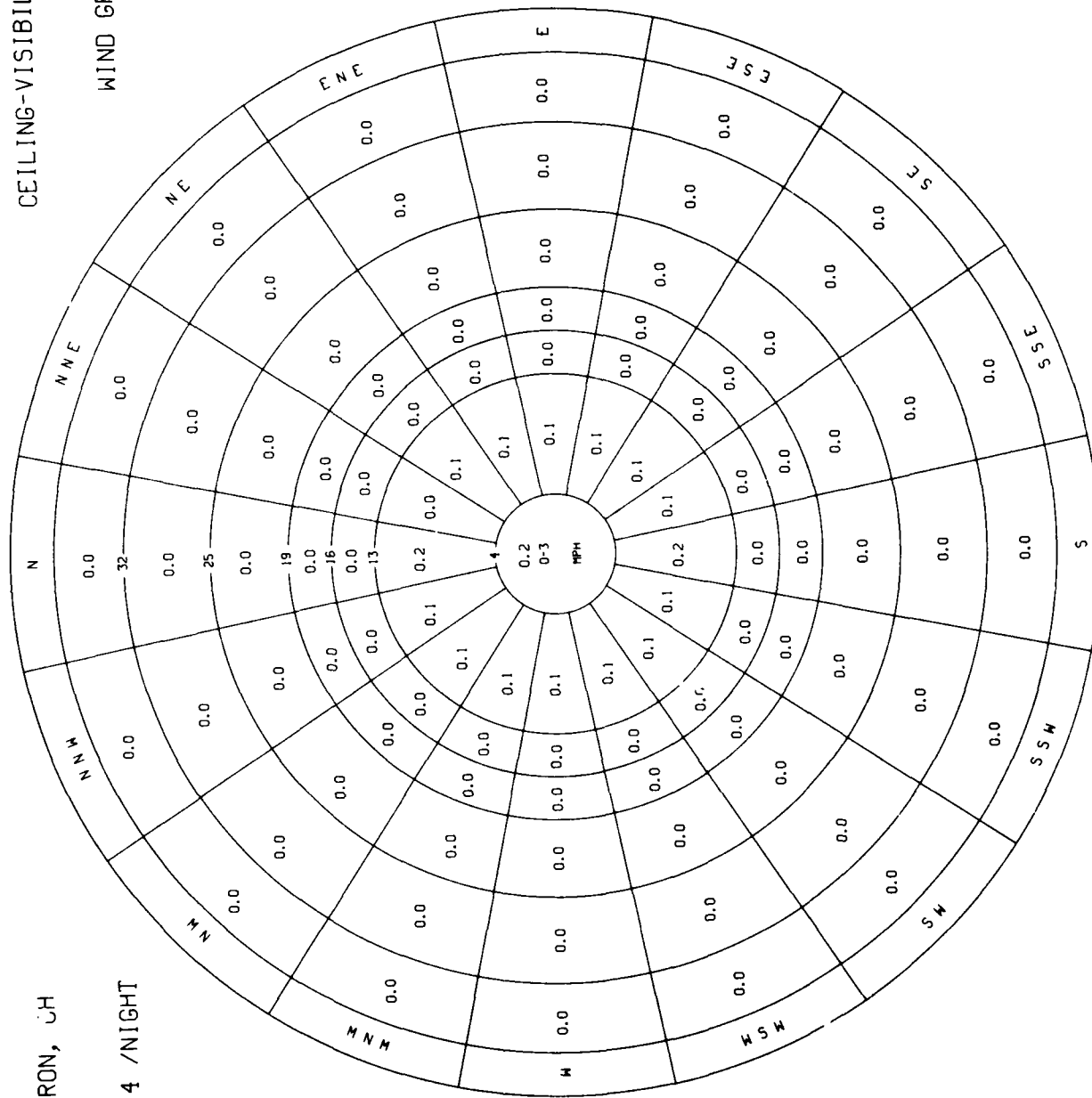
STATION NUMBER: 14895

NO. OBS.: 990

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	5.3	.0	1.1	.0	1.2	.0	.0	.0	.0	.0	.0	.1	.2	7.8	10.9
NNE	.0	.2	.0	2.3	.0	.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	3.4	9.5
NE	.0	.5	.1	3.0	.0	.8	.0	.7	.0	.1	.0	.0	.0	.0	.0	.1	5.2	9.7
ENE	.0	.2	.1	3.8	.0	.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.1	5.4	10.4
E	.0	.2	.1	6.5	.0	.4	.0	.3	.0	.3	.0	.0	.0	.0	.0	.2	7.7	9.7
ESE	.0	.5	.0	1.4	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	2.4	9.2
SE	.0	.9	.1	4.6	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	6.9	8.7
SSE	.0	.0	.1	3.3	.0	1.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.1	4.8	10.5
S	.0	.7	.1	6.2	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.2	8.8	9.6
SSW	.0	.4	.1	3.5	.0	1.0	.0	.5	.0	.3	.0	.0	.0	.0	.0	.1	5.8	10.8
SW	.0	.4	.1	4.0	.0	.7	.0	.5	.0	.1	.0	.0	.0	.0	.1	.1	5.9	10.1
WSW	.0	.2	.1	3.6	.0	.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	5.1	9.7
W	.0	.4	.1	4.6	.0	.7	.0	1.0	.0	.4	.0	.0	.0	.0	.0	.1	7.2	10.3
WNW	.0	.3	.1	2.4	.0	1.2	.0	1.2	.0	.7	.0	.2	.0	.1	.0	.1	6.2	14.1
NW	.0	.4	.1	4.0	.0	2.1	.0	1.8	.0	.6	.0	.0	.0	.0	.0	.2	9.0	12.4
NNW	.0	.1	.1	2.5	.0	1.6	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.1	5.6	12.1
CALM	.1	3.1														.1	3.1	
TOTAL	2	8.7	1.3	61.3	.3	15.1	.2	10.4	.1	4.0	.0	.2	.0	.3	2.1	100		10.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 14895

NO. OBS.: 1015

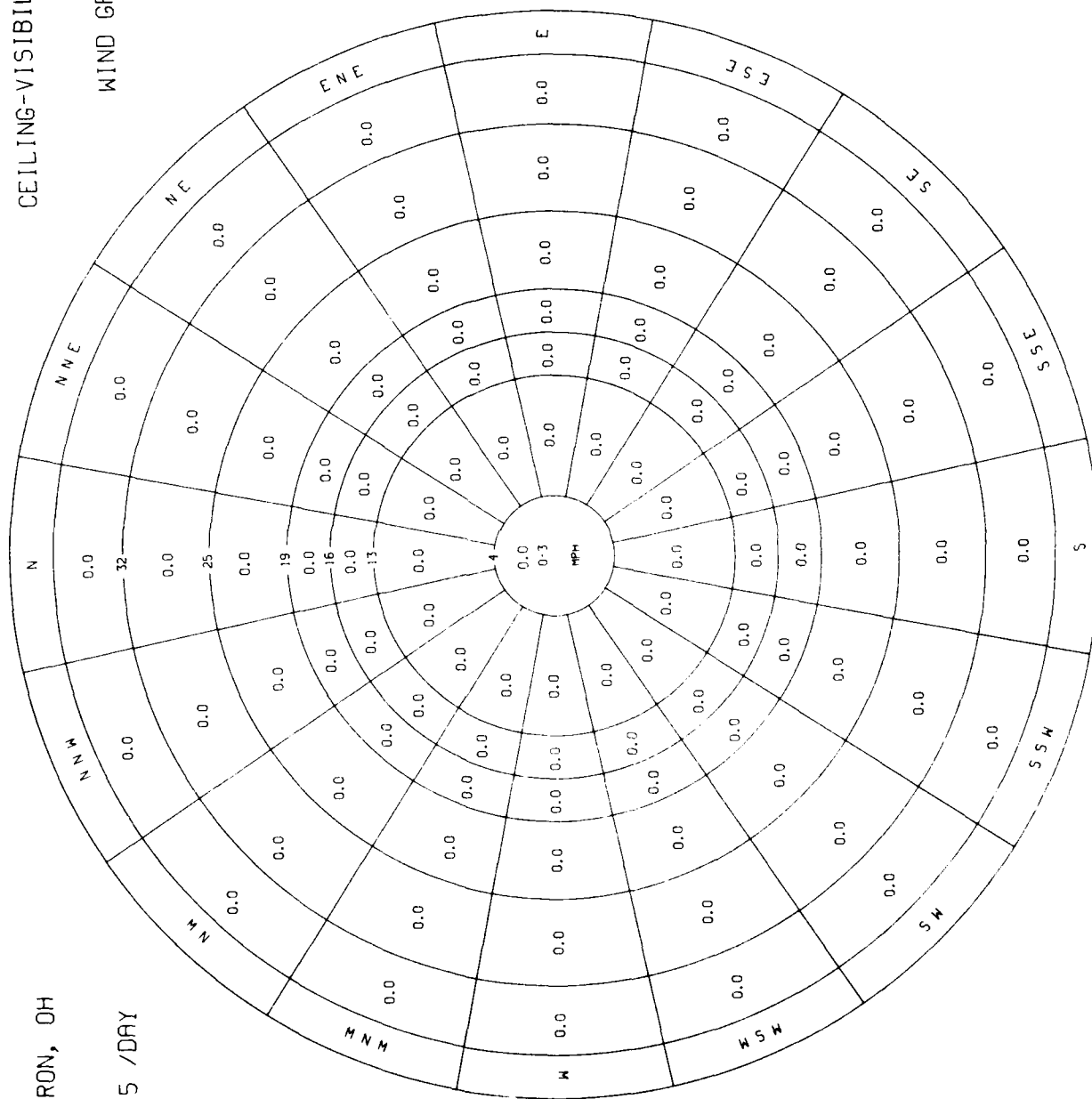
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.7	.2	7.1	.0	1.3	.0	1.3	.0	.4	.0	.0	.0	.0	.3	10.7	10.2
NNE	.0	.3	.0	1.7	.0	.3	.0	.4	.0	.2	.0	.0	.0	.0	.1	2.9	10.7
NE	.0	.5	.1	4.3	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.1	5.5	8.8
ENE	.0	.4	.1	2.5	.0	.5	.0	.2	.0	.4	.0	.1	.0	.0	.1	4.0	10.6
E	.0	.2	.1	3.2	.0	.3	.0	.2	.0	.0	.0	.1	.0	.0	.1	3.9	8.8
ESE	.0	.6	.1	2.6	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	8.4
SE	.0	.6	.1	4.4	.0	.8	.0	.6	.0	.1	.0	.0	.0	.0	.2	6.5	8.9
SSE	.0	.5	.1	3.6	.0	.9	.0	.5	.0	.2	.0	.1	.0	.0	.1	5.8	10.1
S	.0	.8	.2	6.0	.0	1.0	.0	.7	.0	.2	.0	.0	.0	.0	.2	8.7	9.2
SSW	.0	.2	.1	3.3	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.1	4.5	9.6
SW	.0	.1	.1	3.9	.0	1.0	.0	.2	.0	.3	.0	.1	.0	.0	.1	5.6	10.3
WSW	.0	1.0	.1	2.7	.0	.9	.0	.3	.0	.2	.0	.0	.0	.0	.1	5.0	9.0
W	.0	.4	.1	5.6	.0	.7	.0	.5	.0	.5	.0	.1	.0	.0	.2	7.8	9.8
WNW	.0	.3	.1	3.4	.0	.9	.0	.7	.0	.4	.0	.1	.0	.0	.1	5.8	11.2
NW	.0	.4	.1	4.7	.0	1.9	.0	1.6	.0	.8	.0	.2	.0	.1	.2	9.7	12.4
NNW	.0	.2	.1	4.1	.0	1.6	.0	.7	.0	.5	.0	.0	.0	.0	.2	7.1	11.4
CALM	.1	2.6													.1	2.6	
TOTAL	.2	9.7	1.6	63.3	.3	13.7	.2	8.0	.1	4.5	.0	.8	.0	.1	2.5	100	9.8

CEILING-VISIBILITY

WIND GRAPH

CAK AKRON, OH

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:CAK AKRON, OH

PERIOD: 1949-1978

CLASS 5 / DAY

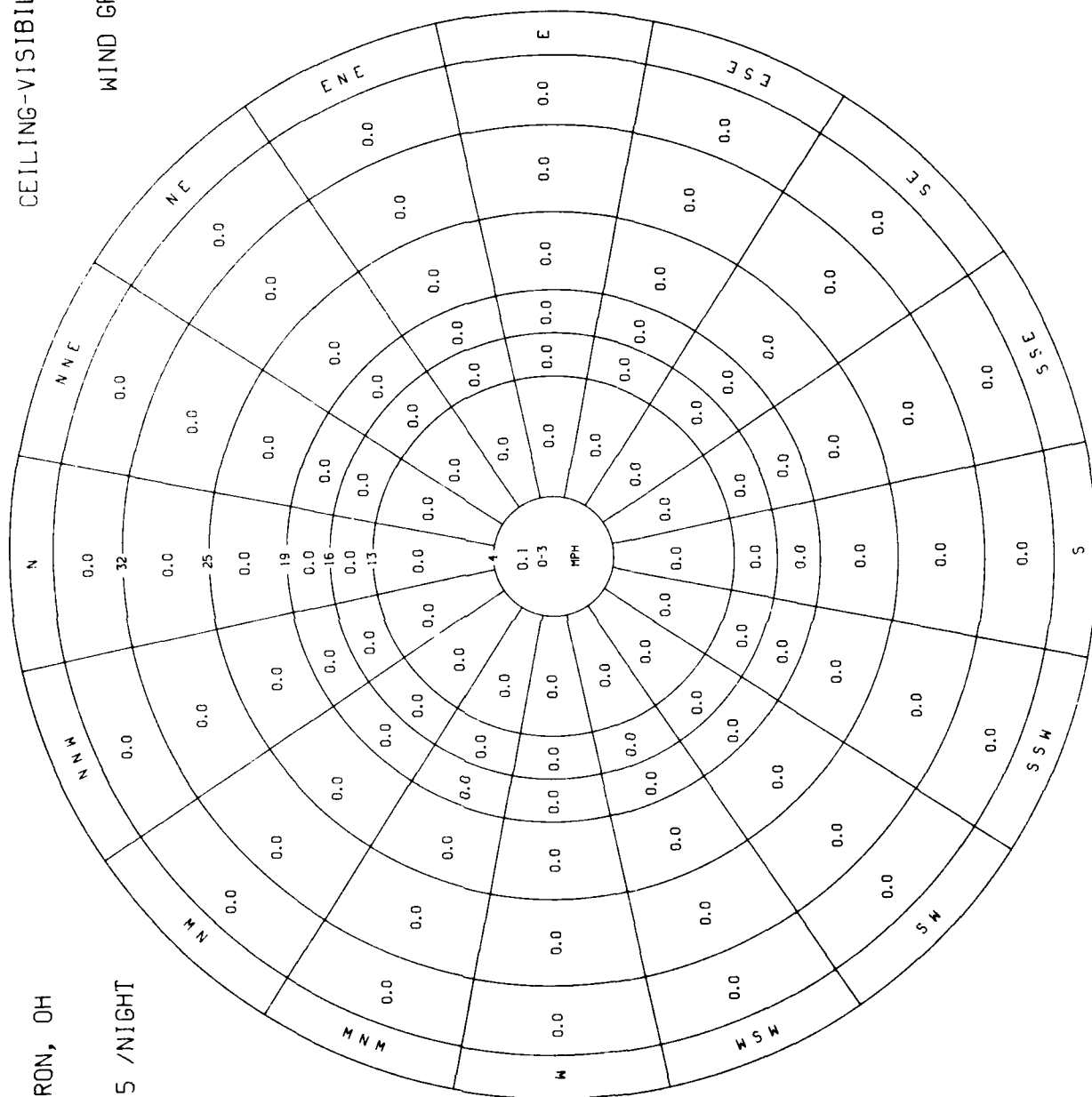
STATION NUMBER: 14895

NO. OBS.: 206

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	.0	6.3	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	8.3
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	5.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	5.8
ENE	.0	.0	.0	4.9	.0	.5	.0	.0	.0	1.0	.0	.0	.0	.0	6.3
E	.0	.0	.0	3.4	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	4.4
ESE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
SE	.0	1.0	.0	6.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	7.8
SSE	.0	1.0	.0	6.8	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	9.7
S	.0	.5	.0	10.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	12.1
SSW	.0	1.0	.0	2.4	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	3.9
SW	.0	.5	.0	4.4	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.5	6.8
WSW	.0	.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	3.9
W	.0	1.0	.0	4.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	5.8
WNW	.0	.5	.0	2.4	.0	.5	.0	.0	.0	.5	.0	.5	.0	.0	4.4
NW	.0	.0	.0	3.9	.0	1.0	.0	.5	.0	1.0	.0	.5	.0	.5	7.3
NNW	.0	.0	.0	4.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	5.3
CALM	.0	4.4													4.4
TOTAL	.0	10.7	.3	72.3	.0	8.7	.0	2.9	.0	2.9	.0	1.5	.0	1.0	4.4
															100
															9.0

CAK AKRON, OH

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 5 / NIGHT

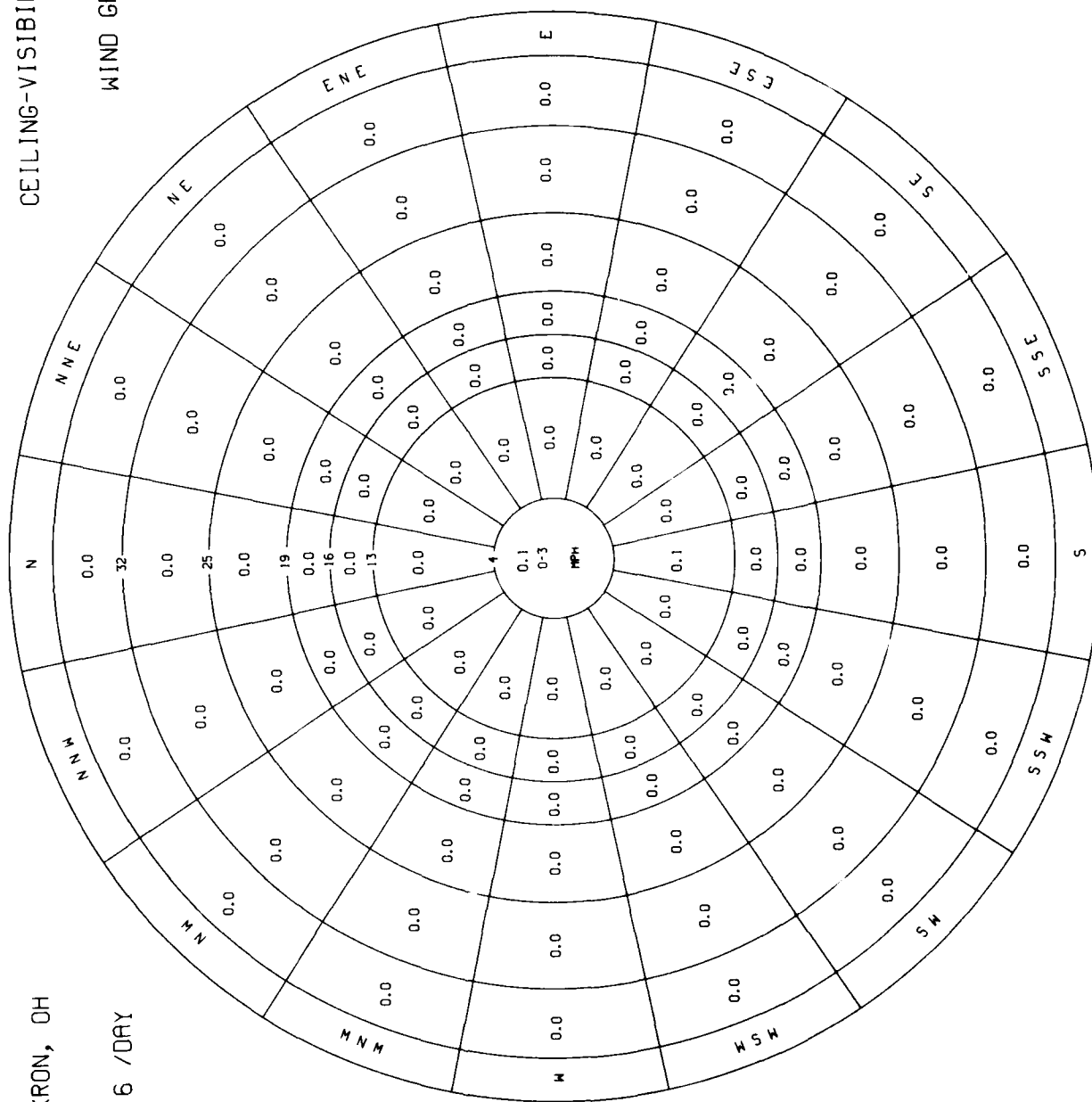
STATION NUMBER: 14895

NO. OBS.: 301

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	5.0	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0 6.3
NNE	.0	.0	.0	3.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
NE	.0	.3	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
ENE	.0	.7	.0	5.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
E	.0	.7	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
ESE	.0	.3	.0	1.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SE	.0	.7	.0	4.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.3
SSE	.0	.7	.0	4.0	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0 6.0
S	.0	1.0	.0	6.6	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.1 8.6
SSW	.0	.3	.0	3.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
SW	.0	.3	.0	5.0	.0	.7	.0	.0	.0	1.3	.0	.0	.0	.3	.1 7.6
WSW	.0	1.0	.0	5.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.0
W	.0	.3	.0	4.7	.0	1.3	.0	.7	.0	.0	.0	.0	.0	.0	.1 7.0
WNW	.0	.0	.0	6.3	.0	1.3	.0	.0	.0	.7	.0	.0	.0	.0	.1 8.3
NW	.0	.0	.0	4.0	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 5.3
NNW	.0	.0	.0	2.3	.0	2.7	.0	.0	.0	.3	.0	.0	.0	.0	.0 5.3
CALM	.0	5.3													.0 5.3
TOTAL	.1	12.0	.5	71.1	.1	11.3	.0	2.7	.0	2.7	.0	.0	.0	.3	.7 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 6 / DAY

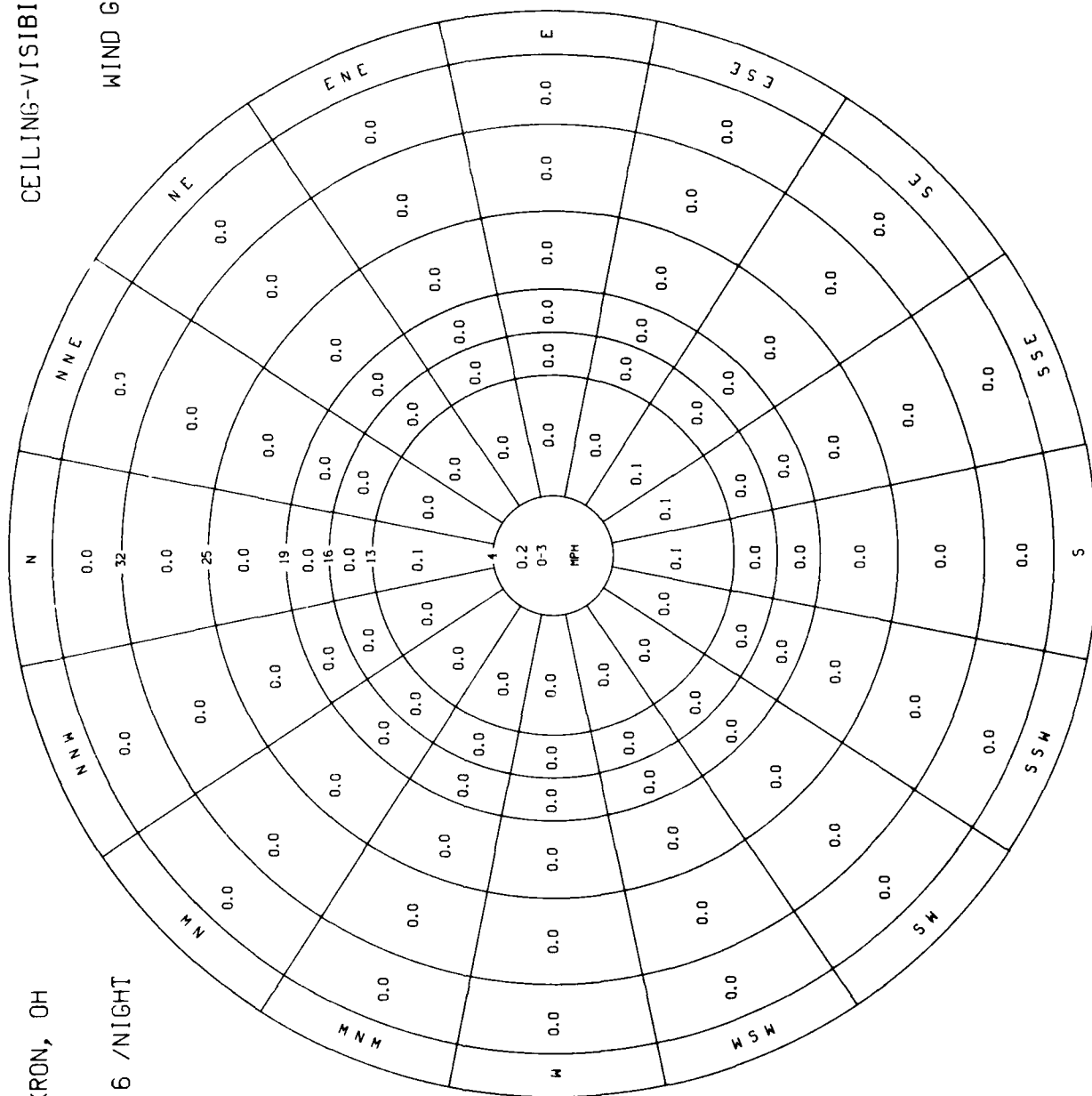
STATION NUMBER: 14895

NO. OBS.: 258

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	.0	1.2	.0	3.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.7
NNE	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.6
NE	.0	.4	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.3
ENE	.0	.4	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.1
E	.0	.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.8
ESE	.0	.8	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.2
SE	.0	1.6	.0	6.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	6.3
SSE	.0	.0	.0	6.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	8.7
S	.0	1.6	.1	16.3	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	20.5	8.2	
SSW	.0	1.2	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	6.5	
SW	.0	.0	.0	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.6	8.9	
WSW	.0	.4	.0	1.9	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.4	3.5	11.9	
W	.0	.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.3	
WNW	.0	.4	.0	3.9	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	5.0	9.8	
NW	.0	1.2	.0	3.1	.0	.8	.0	.0	.0	.0	.0	.4	.0	.4	.0	5.8	12.0	
NNW	.0	.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	7.0	
CALM	.0	7.0													.0	7.0		
TOTAL	.1	17.8	.4	73.6	.0	5.4	.0	.8	.0	.4	.0	.8	.0	1.2	.5	100	7.5	

CAK AKRON, OH

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAK AKRON, OH

PERIOD: 1949-1978

CLASS 6 / NIGHT

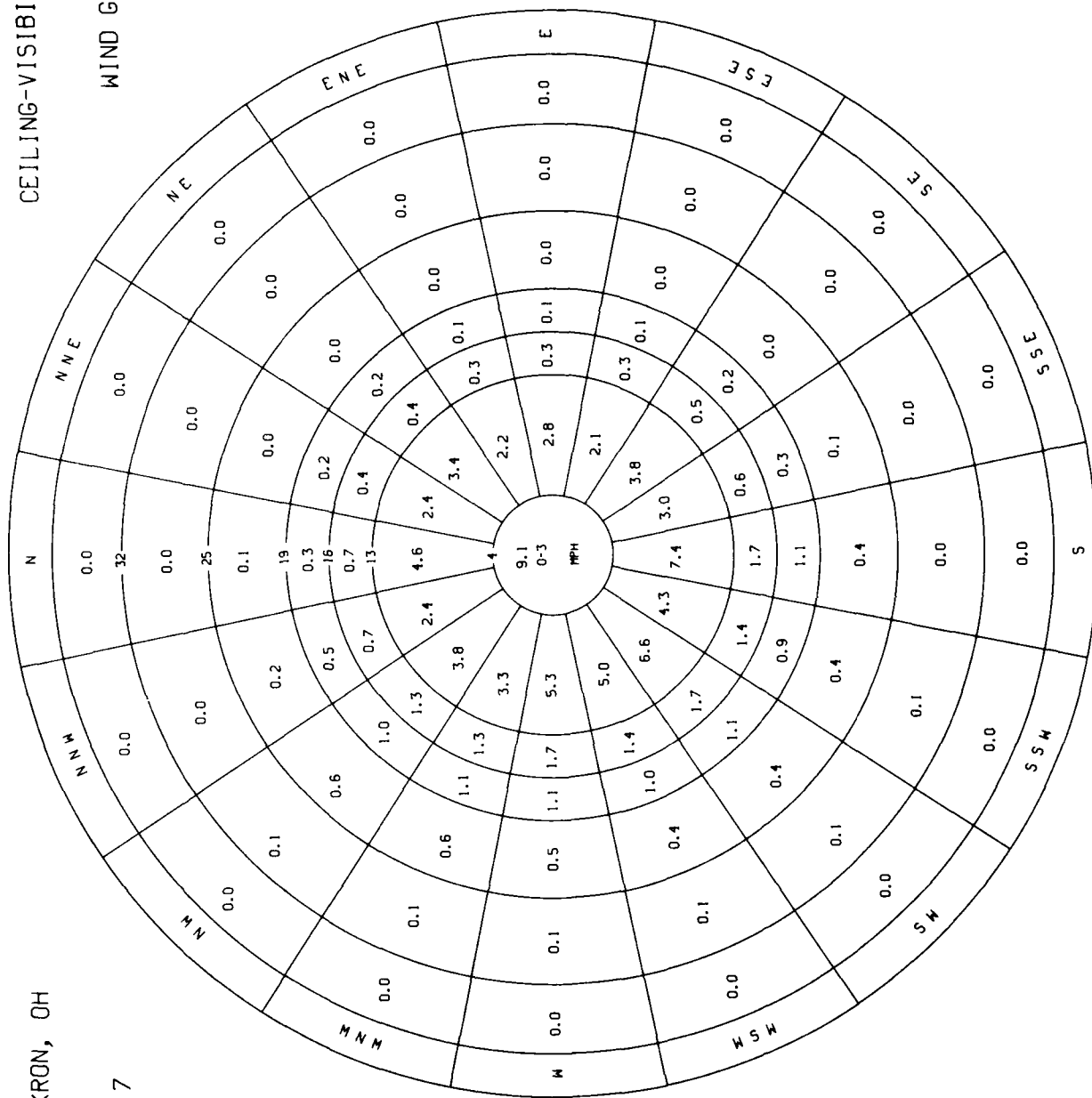
STATION NUMBER: 14895

NO. OBS.: 374

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	.1	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.6	6.8
NNE	.0	.5	.0	2.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.7
NE	.0	.0	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	9.8
ENE	.0	1.1	.0	1.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.5
E	.0	.8	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.3
ESE	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.9
SE	.0	2.7	.1	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.7	6.2
SSE	.0	1.1	.1	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	7.0
S	.0	1.1	.1	13.1	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	15.2	8.2
SSW	.0	1.6	.0	2.9	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.3	7.8
SW	.0	1.3	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.0
WSW	.0	.3	.0	1.9	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	2.7	9.3
W	.0	.5	.0	4.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	7.2
WNW	.0	.3	.0	1.9	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	2.7	8.7
NW	.0	.0	.0	3.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.9
NNW	.0	.8	.0	2.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.5
CALM	.1	12.0														.1	12.0	
TOTAL	.2	25.9	.6	69.3	.0	3.2	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.9	100	6.4

CEILING-VISIBILITY

WIND GRAPH

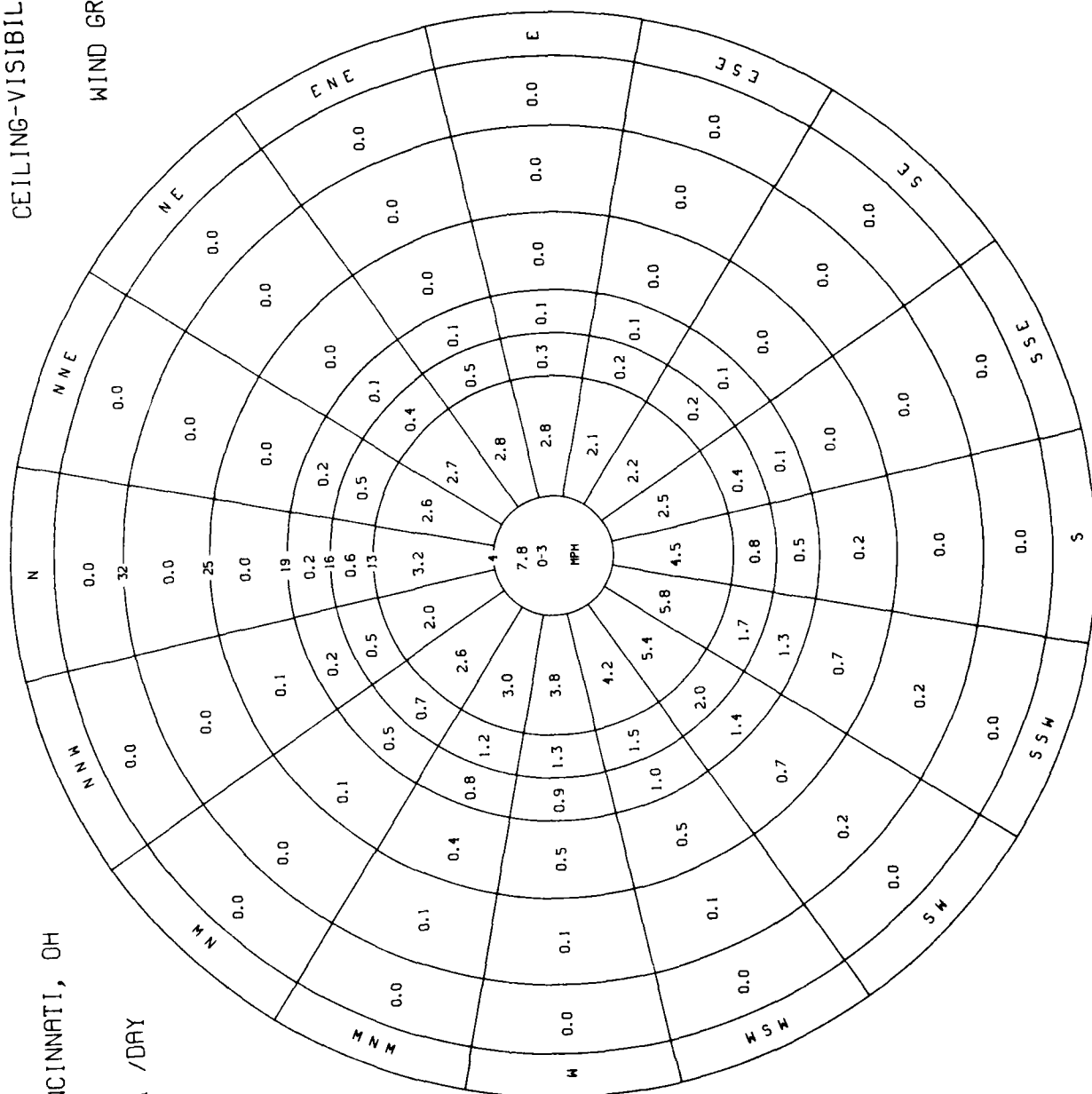


CEILING-VISIBILITY

WIND GRAPH

CVG CINCINNATI, OH

CLASS 1 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 1 / DAY

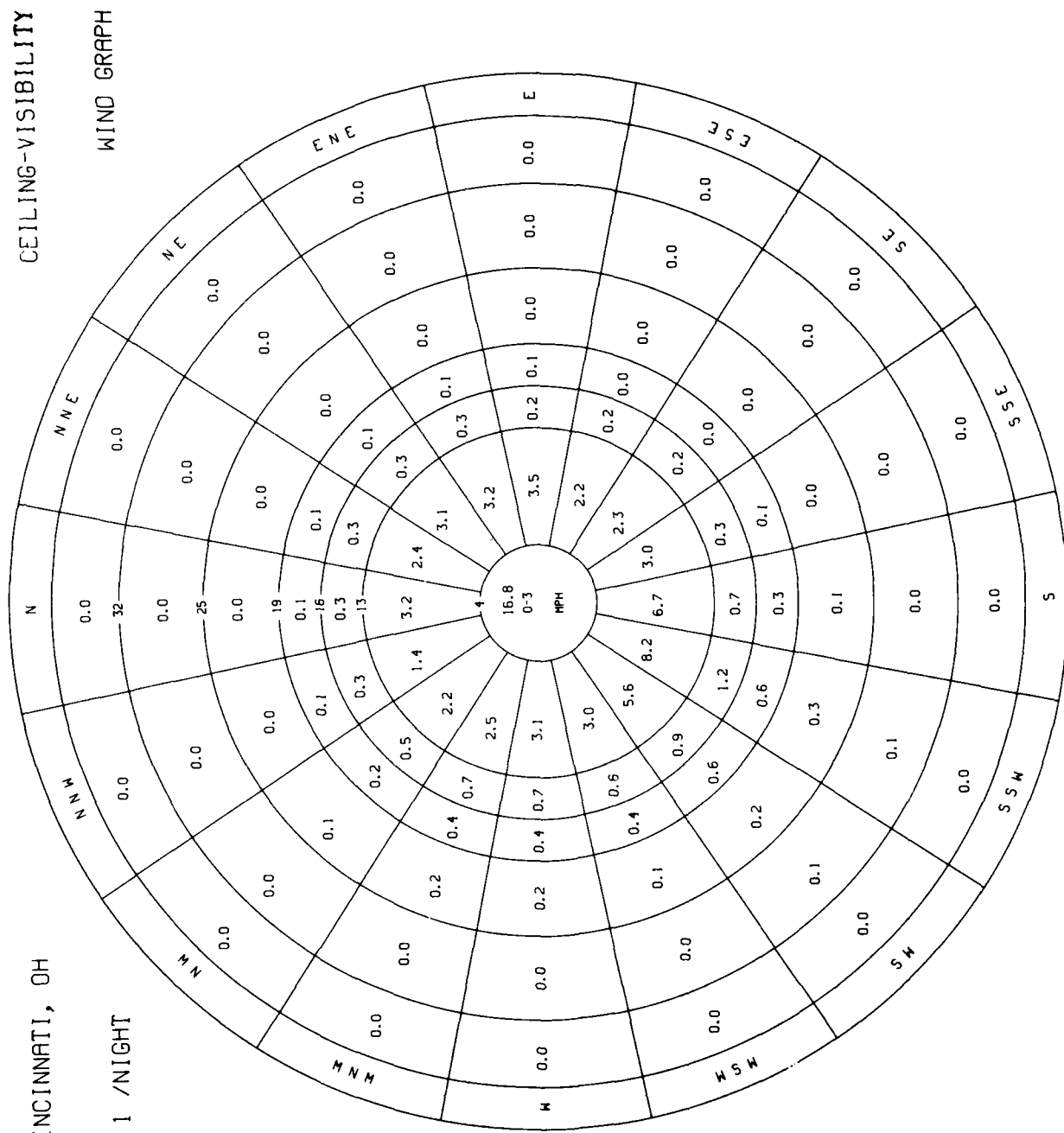
STATION NUMBER: 93814

NO. OBS.: 41441

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	3.2	3.8	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	4.4	5.3	8.9
NNE	.3	.4	2.6	3.1	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	3.7	4.4	9.0
NE	.4	.4	2.7	3.2	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.7	4.4	8.5
ENE	.3	.4	2.8	3.3	.5	.6	.1	.2	.0	.0	.0	.0	.0	.0	3.8	4.5	8.7
E	.4	.4	2.8	3.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.6	4.2	8.1
ESE	.3	.3	2.1	2.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.2	8.0
SE	.4	.4	2.2	2.6	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.4	7.9
SSE	.4	.4	2.5	2.9	.4	.4	.1	.2	.0	.1	.0	.0	.0	.0	3.4	4.0	8.6
S	.6	.8	4.5	5.3	.8	.9	.5	.5	.2	.2	.0	.0	.0	.0	6.5	7.7	9.2
SSW	.5	.7	5.8	6.8	1.7	2.1	1.3	1.5	.7	.8	.2	.2	.0	.0	10.2	12.1	11.4
SW	.6	.7	5.4	6.3	2.0	2.4	1.4	1.7	.7	.8	.2	.2	.0	.0	10.2	12.1	11.7
WSW	.4	.4	4.2	5.0	1.5	1.8	1.0	1.1	.5	.6	.1	.1	.0	.0	7.7	9.1	11.6
W	.3	.4	3.8	4.5	1.3	1.6	.9	1.1	.5	.6	.1	.1	.0	.0	6.9	8.2	11.6
WNW	.3	.3	3.0	3.6	1.2	1.4	.8	.9	.4	.5	.1	.1	.0	.0	5.8	6.8	11.7
NW	.3	.3	2.6	3.1	.7	.9	.5	.5	.1	.1	.0	.0	.0	.0	4.1	4.9	10.2
NNW	.2	.2	2.0	2.3	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	2.9	3.5	9.8
CALM	1.8	2.2													1.8	2.2	
TOTAL	7.8	9.3	52.1	61.8	12.9	15.3	7.5	8.9	3.3	3.9	.7	.8	.1	.1	84.4	100	10.0

CVG CINCINNATI, OH

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 1 / NIGHT

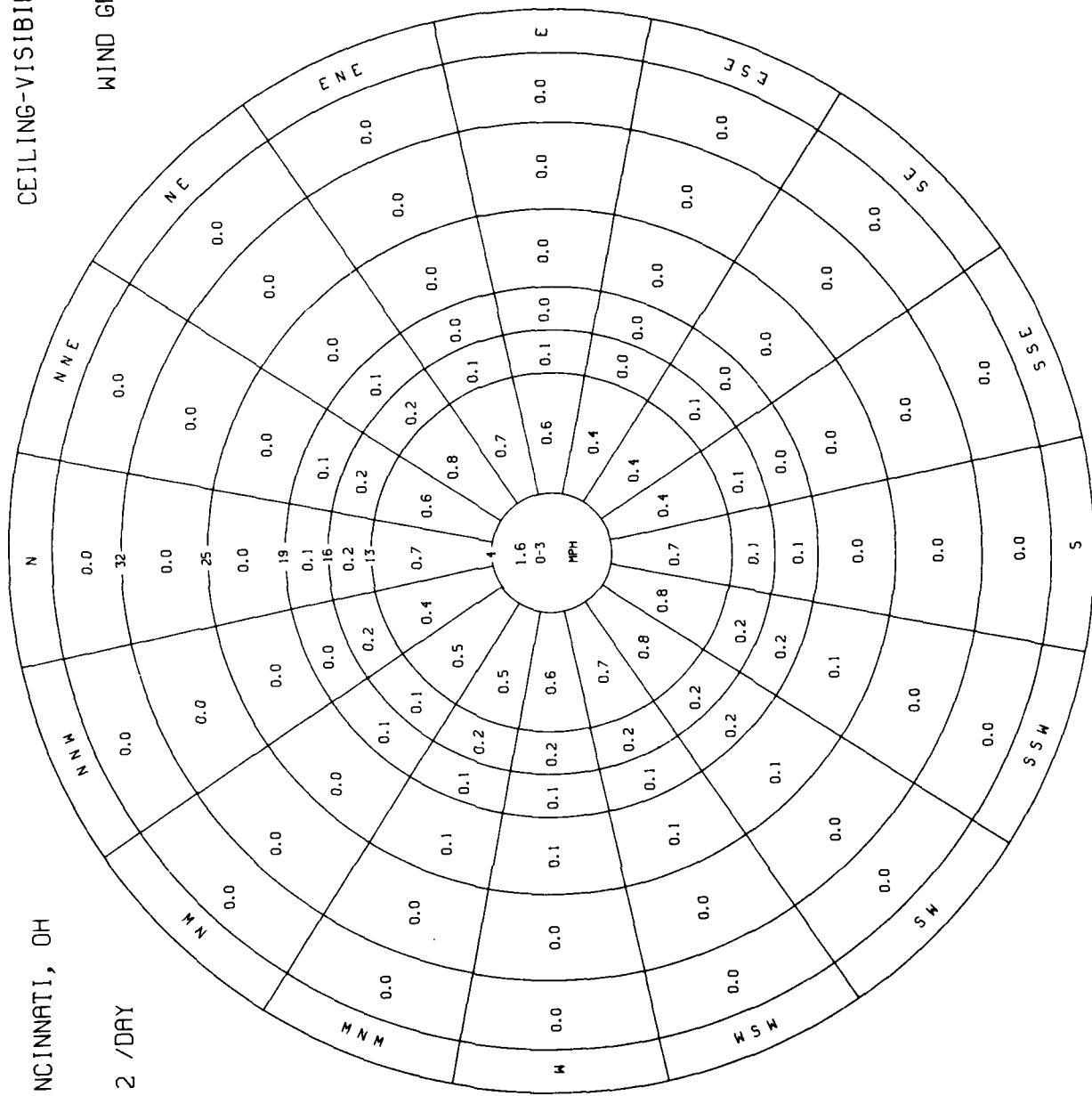
STATION NUMBER: 93814

NO. OBS.: 35334

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	.5	3.2	3.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.1	4.8	7.9
NNE	.5	.6	2.4	2.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.8	7.8
NE	.6	.7	3.1	3.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.1	4.8	7.7
ENE	.5	.6	3.2	3.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.2	5.0	7.8
E	.7	.9	3.5	4.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.5	5.3	7.2
ESE	.5	.6	2.2	2.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.4	7.0
SE	.6	.7	2.3	2.7	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.1	3.6	7.3
SSE	.6	.7	3.0	3.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.7	7.7
S	1.7	1.9	6.7	7.8	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	9.4	11.1	7.6
SSW	1.6	1.8	8.2	9.6	1.2	1.4	.6	.8	.3	.4	.1	.1	.0	.0	11.9	14.0	8.6
SW	1.2	1.4	5.6	6.6	.9	1.1	.6	.7	.2	.3	.1	.1	.0	.0	8.6	10.1	8.9
WSW	.4	.5	3.0	3.5	.6	.6	.4	.4	.1	.2	.0	.0	.0	.0	4.5	5.3	9.6
W	.4	.5	3.1	3.6	.7	.8	.4	.4	.2	.3	.0	.0	.0	.0	4.9	5.7	10.0
WNW	.3	.3	2.5	3.0	.7	.9	.4	.5	.2	.2	.0	.0	.0	.0	4.1	4.8	10.4
NW	.3	.4	2.2	2.6	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	3.3	3.9	9.3
NNW	.2	.3	1.4	1.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.4	8.6
CALM	6.2	7.2													6.2	7.2	
TOTAL	16.8	19.6	55.5	65.0	7.7	9.0	3.6	4.2	1.4	1.7	.3	.4	.0	.1	85.3	100	7.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CVG CINCINNATI, OH

CLASS 2 / DAY

NO. OBS.: 7662

STATION NUMBER: 93814

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	O
N	.1	.5	.7	4.7	.2	1.1	.1	.5	.0	.1	.0	.0	.0	.0	1.1	6.9	9.7
NNE	.1	.5	.6	3.7	.2	1.0	.1	.4	.0	.2	.0	.0	.0	.0	.9	5.7	9.7
NE	.1	.9	.8	4.9	.2	1.0	.1	.4	.0	.1	.0	.0	.0	.0	1.1	7.3	8.8
ENE	.1	.7	.7	4.7	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	1.0	6.4	8.4
E	.1	.6	.6	4.0	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.8	5.3	8.1
ESE	.0	.3	.4	2.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.4	8.5
SE	.0	.2	.4	2.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.3	9.0
SSE	.1	.4	.4	2.6	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.6	3.6	9.1
S	.1	.7	.7	4.5	.1	.8	.1	.5	.0	.2	.0	.0	.0	.0	1.1	6.7	9.3
SSW	.1	.5	.8	5.0	.2	1.4	.2	1.1	.1	.6	.0	.2	.0	.0	1.4	8.8	11.4
SW	.1	.6	.8	5.1	.2	1.5	.2	1.0	.1	.5	.0	.1	.0	.0	1.4	8.8	10.9
WSW	.1	.4	.7	4.2	.2	1.3	.1	.8	.1	.3	.0	.2	.0	.0	1.1	7.3	11.3
W	.1	.5	.6	3.9	.2	1.3	.1	.9	.1	.6	.0	.1	.0	.0	1.2	7.4	11.6
WNW	.0	.2	.5	3.3	.2	1.5	.1	.8	.1	.4	.0	.1	.0	.0	1.0	6.4	12.2
NW	.0	.3	.5	3.3	.1	.9	.1	.6	.0	.2	.0	.1	.0	.0	.8	5.3	10.7
NNW	.0	.2	.4	2.9	.2	1.0	.0	.3	.0	.2	.0	.0	.0	.0	.7	4.6	10.7
CALM	.5	2.9													.5	2.9	
TOTAL	1.6	10.2	9.6	61.6	2.4	15.3	1.3	8.3	.6	3.6	.1	.8	.0	.1	15.6	100	9.8

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 2 / NIGHT

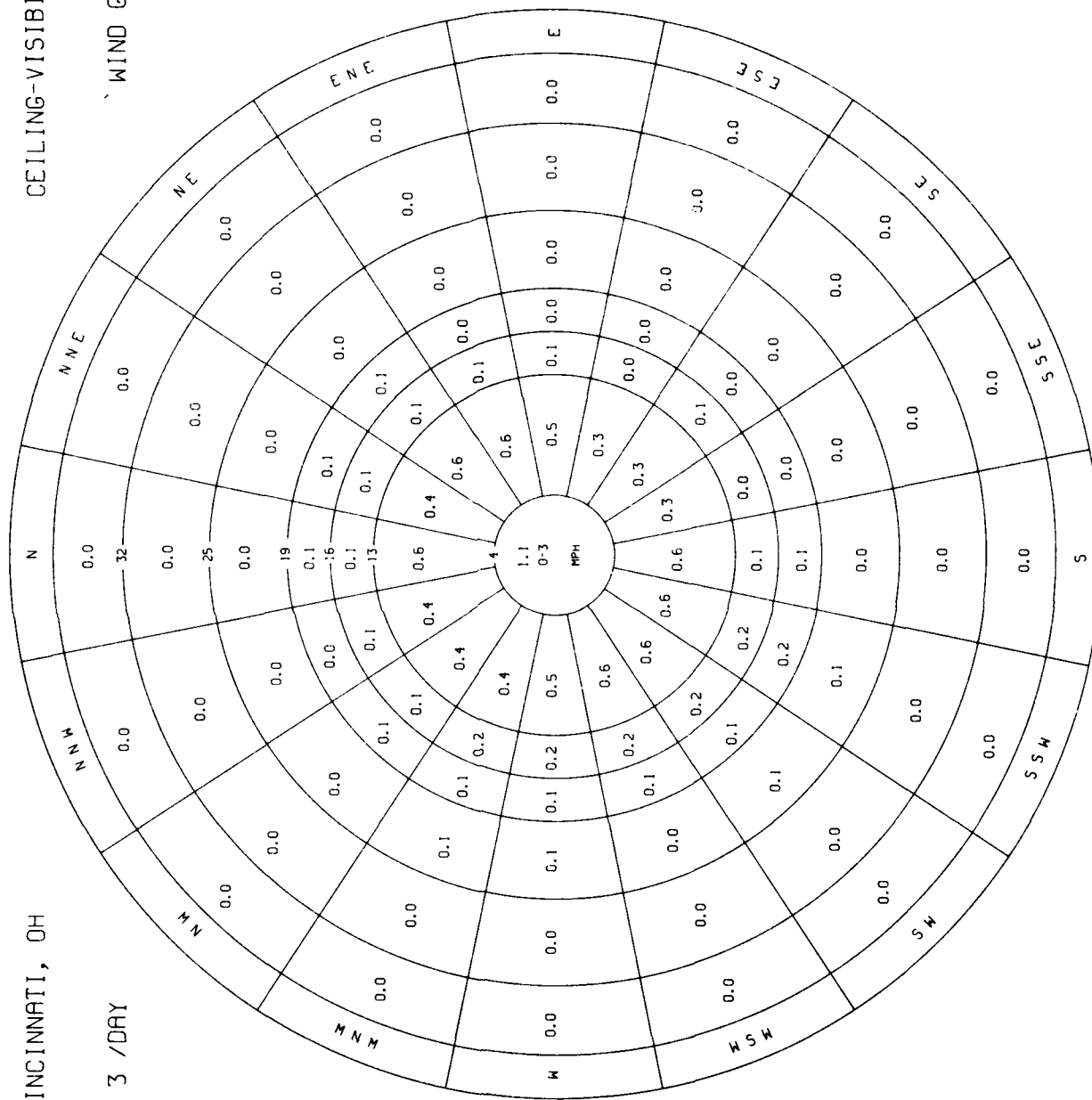
STATION NUMBER: 93814

NO. OBS.: 6090

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	.7	.9	5.8	.2	1.7	.1	.9	.0	.3	.0	.0	.0	.0	1.4	9.4	10.3
NNE	.1	.4	.6	4.2	.2	1.1	.1	.7	.0	.1	.0	.0	.0	.0	.9	6.5	10.1
NE	.1	.7	.6	4.3	.1	.9	.0	.3	.0	.1	.0	.0	.0	.0	.9	6.2	8.9
ENE	.1	.5	.5	3.5	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.7	5.1	8.9
E	.1	.6	.5	3.3	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.7	4.7	8.4
ESE	.0	.2	.3	2.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.8	8.1
SE	.0	.2	.3	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.7	8.4
SSE	.1	.4	.3	2.0	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.9	8.6
S	.1	.8	.6	4.2	.1	.6	.1	.7	.0	.2	.0	.0	.0	.0	1.0	6.5	9.3
SSW	.1	.6	.6	4.2	.2	1.1	.1	.7	.1	.7	.0	.2	.0	.0	1.1	7.6	11.2
SW	.1	.7	.8	5.2	.2	1.6	.1	.8	.1	.5	.0	.1	.0	.0	1.3	8.8	10.7
WSW	.0	.2	.6	4.2	.2	1.2	.1	.9	.0	.2	.0	.1	.0	.0	1.0	6.8	11.2
W	.1	.6	.7	4.9	.3	1.7	.1	.8	.1	.5	.0	.2	.0	.1	1.3	8.8	11.4
WNW	.0	.3	.5	3.6	.2	1.6	.2	1.1	.1	.6	.0	.1	.0	.0	1.1	7.3	12.1
NW	.1	.4	.5	3.4	.2	1.2	.1	.6	.0	.1	.0	.0	.0	.0	.9	5.8	10.5
NNW	.0	.3	.5	3.2	.2	1.3	.1	.7	.0	.1	.0	.0	.0	.0	.8	5.6	10.6
CALM	.4	2.6													.4	2.6	
TOTAL	1.5	10.2	8.9	60.4	2.4	16.1	1.3	8.8	.5	3.6	.1	.8	.0	.2	14.7	100	10.0

CEILING-VISIBILITY
WIND GRAPH

CVG CINCINNATI, OH
CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 3 / DAY

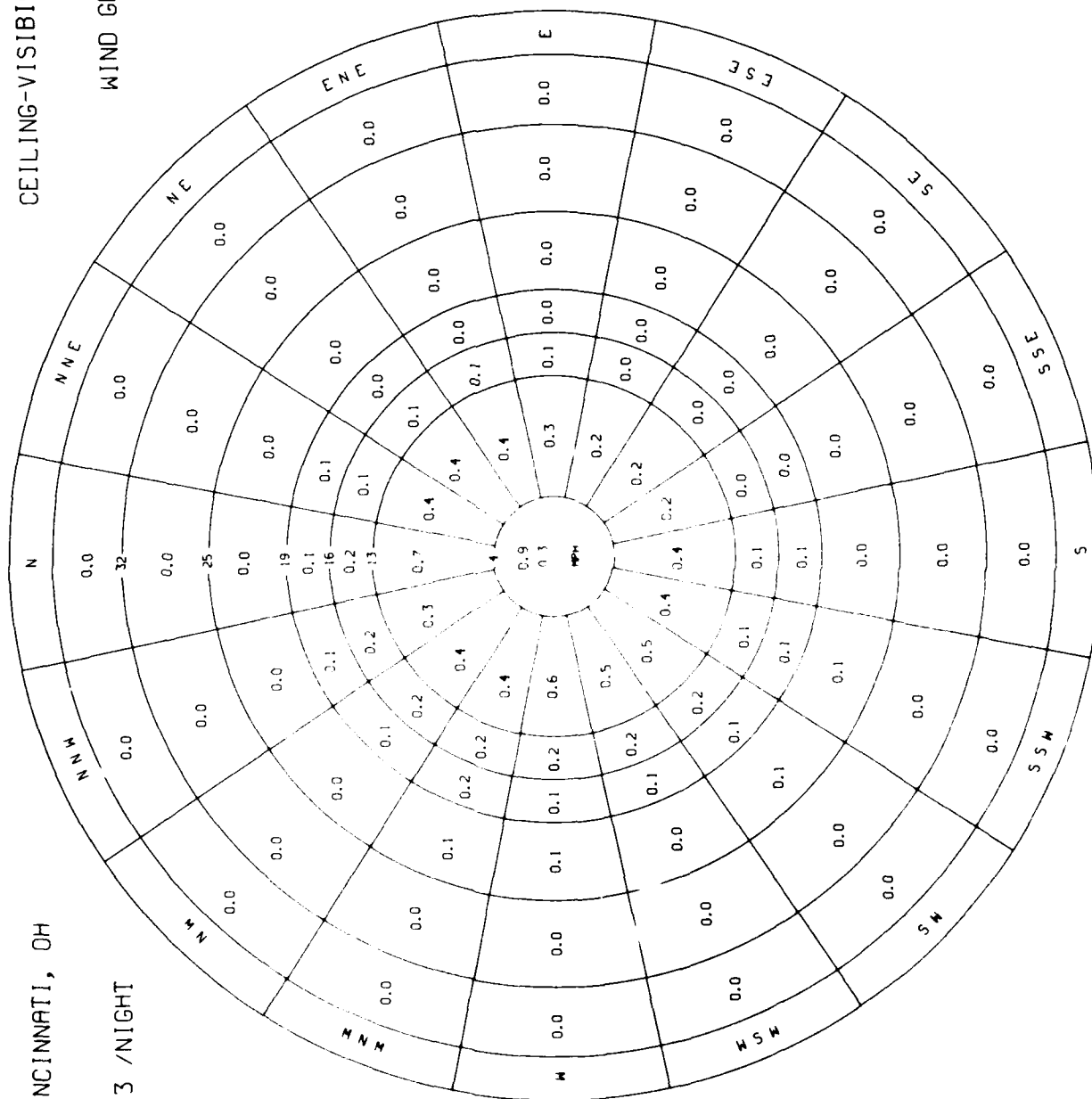
STATION NUMBER: 93814

NO. OBS.: 6342

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	.6	4.6	.1	1.1	.1	.5	.0	.1	.0	.0	.0	.0	.0	.9	6.7	9.8
NNE	.1	.4	.4	3.4	.1	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.0	.7	5.6	10.2
NE	.1	.8	.6	4.6	.1	1.1	.1	.4	.0	.1	.0	.0	.0	.0	.0	.9	6.9	9.1
ENE	.1	.5	.6	4.4	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.8	5.8	8.6
E	.1	.6	.5	3.8	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.1	8.2
ESE	.0	.3	.3	2.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	3.2	8.6
SE	.0	.1	.3	2.2	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	2.9	9.2
SSE	.0	.3	.3	2.5	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.5	3.5	9.4
S	.1	.6	.6	4.4	.1	.9	.1	.6	.0	.2	.0	.0	.0	.0	.0	.9	6.7	9.7
SSW	.1	.5	.6	4.9	.2	1.6	.2	1.3	.1	.7	.0	.2	.0	.0	.0	1.2	9.2	11.8
SW	.1	.5	.6	4.9	.2	1.7	.1	1.1	.1	.6	.0	.1	.0	.0	.0	1.2	8.9	11.5
WSW	.0	.3	.6	4.5	.2	1.6	.1	1.0	.0	.4	.0	.2	.0	.0	.0	1.0	7.9	11.6
W	.1	.5	.5	4.1	.2	1.6	.1	1.0	.1	.7	.0	.1	.0	.0	.0	1.1	8.1	11.9
WNW	.0	.1	.4	3.4	.2	1.8	.1	1.0	.1	.5	.0	.1	.0	.0	.0	.9	6.9	12.5
NW	.0	.3	.4	3.4	.1	1.0	.1	.7	.0	.2	.0	.0	.0	.0	.0	.7	5.6	10.8
NNW	.0	.1	.4	2.9	.1	1.1	.0	.3	.0	.2	.0	.0	.0	.0	.0	.6	4.6	10.8
CALM	.3	2.3														.3	2.3	
TOTAL	1.1	8.7	7.8	60.3	2.1	16.6	1.2	9.3	.5	4.1	.1	.9	.0	.1	.0	12.9	100	10.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 93814

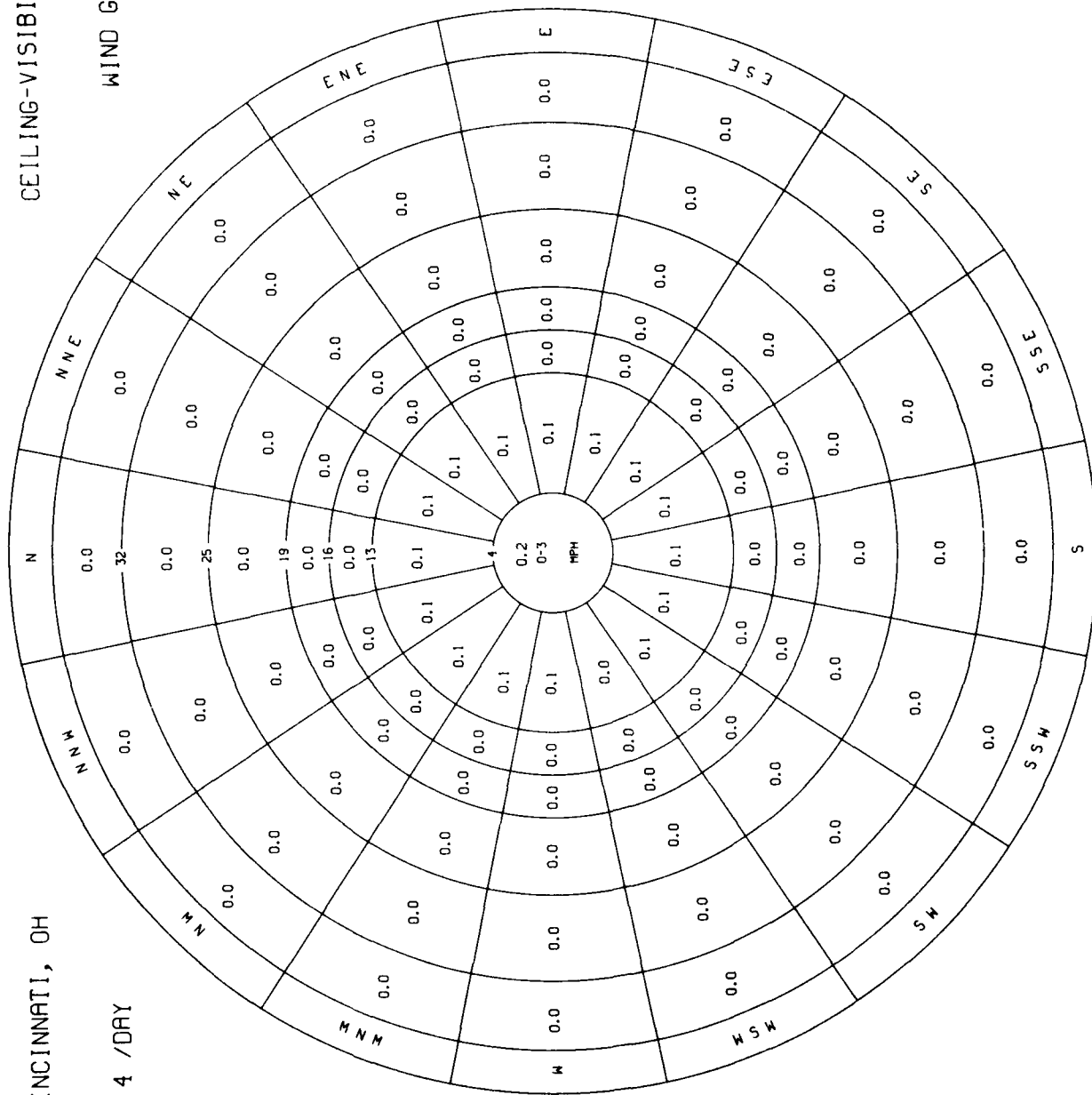
NO. OBS.: 4596

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	.7	6.3	.2	1.9	.1	1.0	.0	.3	.0	.0	.0	.0	.0	.0	10.6					
NNE	.0	.3	.4	4.0	.1	1.3	.1	.8	.0	.1	.0	.0	.0	.0	.0	.7	10.6					
NNE	.1	.6	.4	4.0	.1	1.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.7	9.3					
ENE	.0	.3	.4	3.2	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.5	9.2					
E	.1	.5	.3	2.8	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.5	8.5					
ESE	.0	.1	.2	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	8.6					
SE	.0	.2	.2	1.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	8.5					
SSE	.0	.3	.2	1.6	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.7	9.6					
S	.1	.6	.4	3.7	.1	.7	.1	.9	.0	.2	.0	.0	.0	.0	.0	.7	10.2					
SSW	.1	.5	.4	3.5	.1	1.3	.1	.9	.1	.8	.0	.2	.0	.1	.8	7.2	12.3					
SW	.1	.5	.5	4.7	.2	1.7	.1	.9	.1	.7	.0	.1	.0	.0	1.0	8.6	11.5					
WSW	.0	.2	.5	4.2	.2	1.5	.1	1.2	.0	.3	.0	.1	.0	.0	.8	7.5	11.6					
W	.1	.5	.6	5.1	.2	2.2	.1	1.0	.1	.7	.0	.2	.0	.0	1.1	9.7	11.9					
WNW	.0	.2	.4	3.9	.2	2.0	.2	1.4	.1	.7	.0	.1	.0	.0	.9	8.4	12.5					
NW	.0	.4	.4	3.6	.2	1.6	.1	.7	.0	.2	.0	.0	.0	.0	.7	6.4	10.9					
NNW	.0	.2	.3	3.0	.2	1.4	.1	.8	.0	.1	.0	.0	.0	.0	.6	5.5	11.2					
CALM	.2	2.0													.2	2.0						
TOTAL	.9	8.0	6.4	57.4	2.1	18.6	1.2	10.5	.5	4.4	.1	.9	.0	.1	11.1	100	10.6					

CVG CINCINNATI, OH

CLASS 4 / DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 4 / DAY

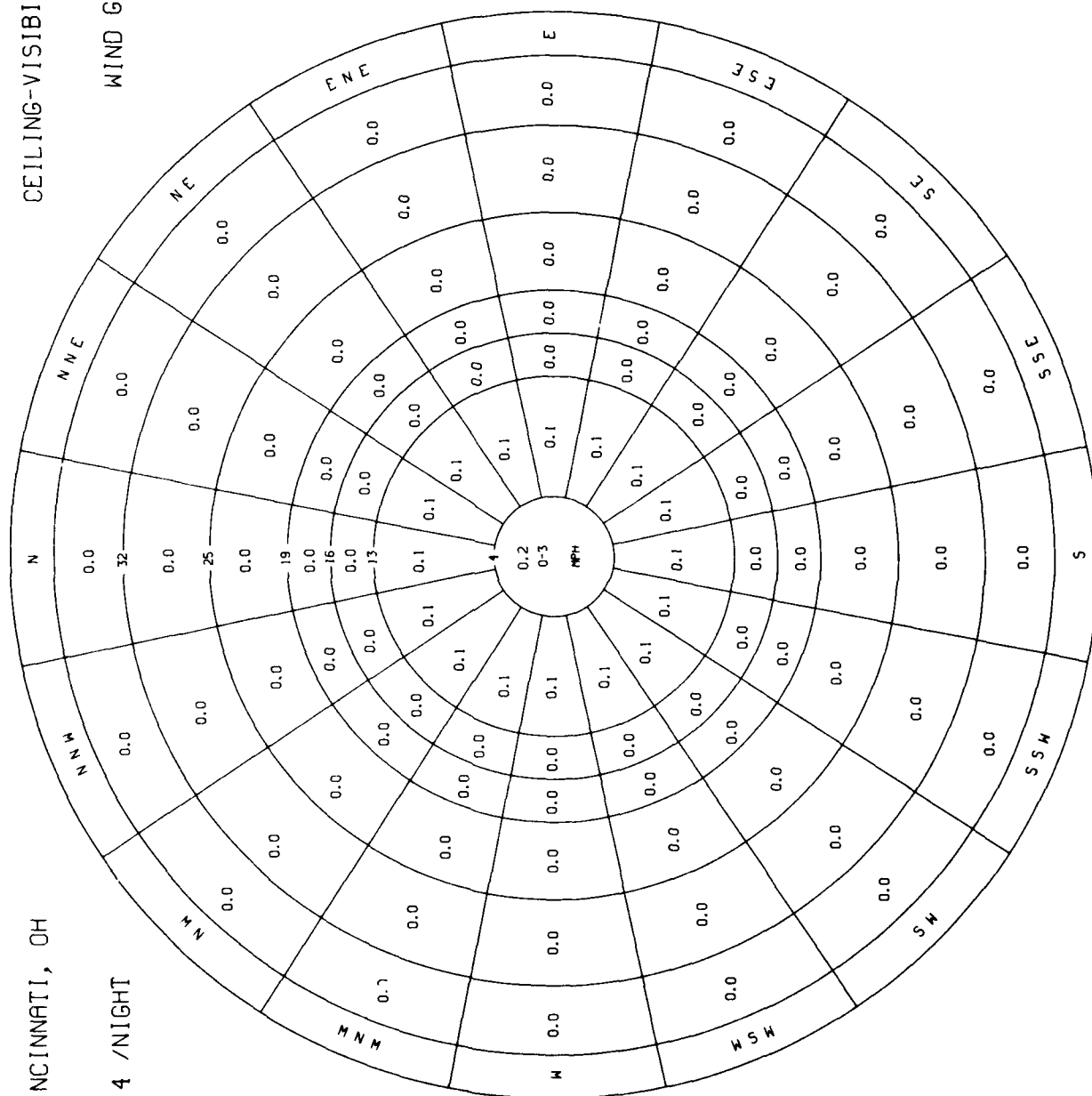
STATION NUMBER: 93814

NO. OBS.: 872

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	4.7	.0	.8	.0	.8	.0	.2	.0	.1	.0	.0	.1	6.9	10.2
NNE	.0	.2	.1	5.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.4	8.1
NE	.0	.6	.1	6.9	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	9.1	8.9
ENE	.0	1.1	.1	7.0	.0	1.0	.0	.2	.0	.3	.0	.0	.0	.0	.2	9.7	8.6
E	.0	.2	.1	5.3	.0	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	6.8	8.7
ESE	.0	.3	.1	3.6	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.7	9.1
SE	.0	.3	.1	4.4	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	5.5	9.0
SSE	.0	.3	.1	3.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	8.3
S	.0	1.4	.1	5.0	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.1	7.3	7.8
SSW	.0	.0	.1	4.7	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1	5.6	9.6
SW	.0	.7	.1	6.4	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.2	8.6	8.6
WSW	.0	.6	.0	2.6	.0	.2	.0	.2	.0	.0	.0	.1	.0	.1	.1	3.9	9.9
W	.0	.3	.1	3.2	.0	.1	.0	.5	.0	.2	.0	.0	.0	.0	.1	4.4	9.1
WNW	.0	.2	.1	2.9	.0	.6	.0	.3	.0	.2	.0	.0	.0	.1	.1	4.4	10.4
NW	.0	.1	.1	3.1	.0	.8	.0	.3	.0	.2	.0	.0	.0	.0	.1	4.6	10.3
NNW	.0	.3	.1	3.0	.0	.7	.0	.2	.0	.0	.0	.0	.0	.1	.1	4.4	10.1
CALM	.1	3.9													.1	3.9	
TOTAL	.2	11.0	1.3	71.2	.2	11.6	.1	4.4	.0	1.3	.0	.2	.0	.3	1.8	100	8.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 4 / NIGHT

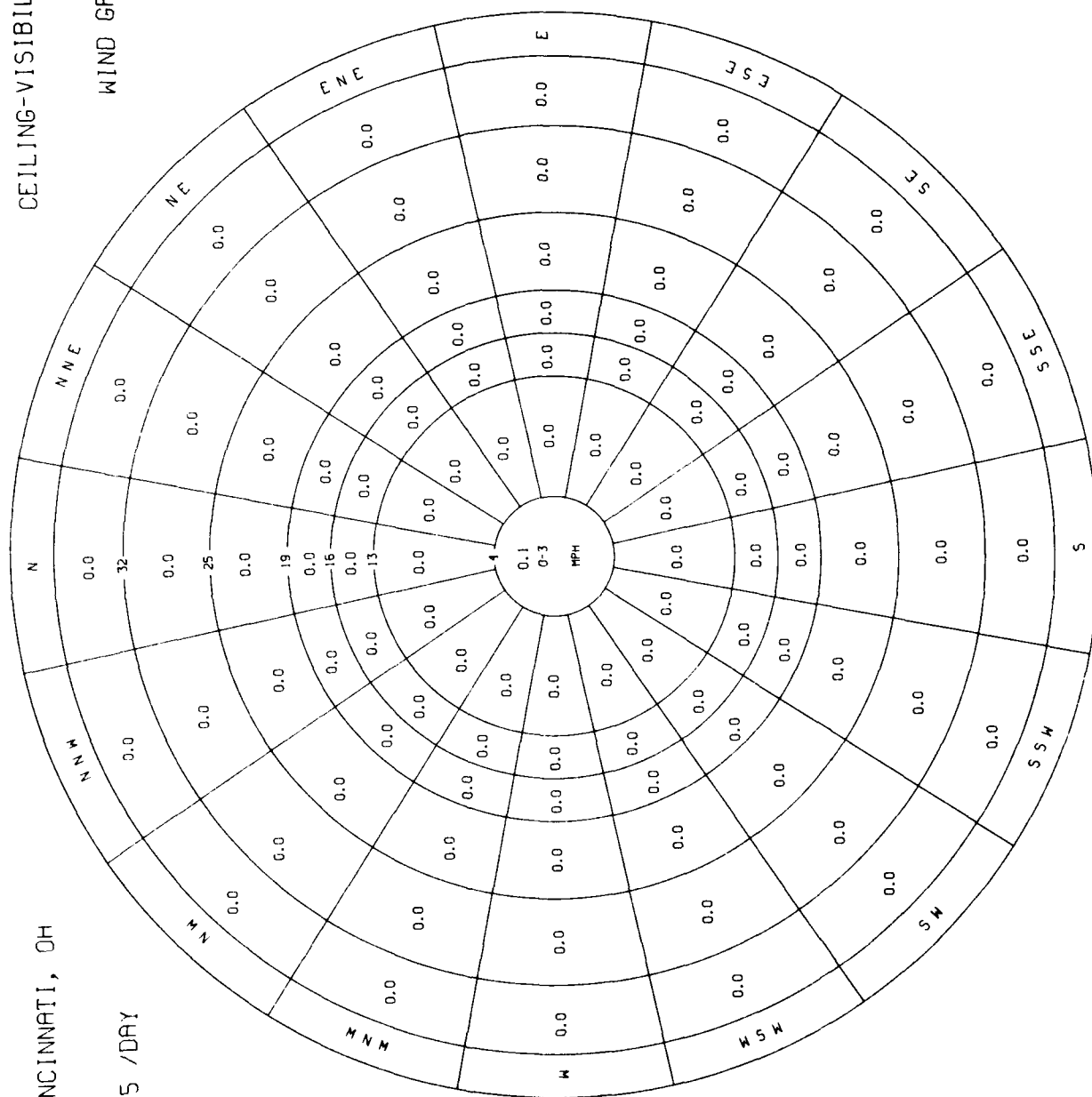
STATION NUMBER: 93814

NO. OBS.: 921

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	.1	4.7	.0	1.3	.0	1.0	.0	.5	.0	.1	.0	.0	.2 8.3
NNE	.0	.5	.1	5.8	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.2 7.5
NENE	.0	.7	.1	5.2	.0	.5	.0	.5	.0	.0	.0	.1	.0	.0	.2 7.1
ENE	.0	.7	.1	4.9	.0	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.2 7.2
E	.0	.5	.1	4.7	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.2 6.8
ESE	.0	.4	.1	2.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.6
SE	.0	.2	.1	3.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.7
SSE	.0	.7	.1	2.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.0
S	.0	.9	.1	5.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.2 6.8
SSW	.0	.8	.1	5.0	.0	.5	.0	.2	.0	.3	.0	.0	.0	.0	.2 6.8
SW	.0	.8	.1	6.5	.0	1.8	.0	.1	.0	.0	.0	.1	.0	.0	.2 9.3
WSW	.0	.1	.1	4.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.7
W	.0	.7	.1	4.8	.0	.4	.0	.3	.0	.0	.0	.1	.0	.3	.1 6.6
WNW	.0	.1	.1	3.5	.0	.8	.0	.1	.0	.1	.0	.0	.0	.0	.1 4.6
NW	.0	.3	.1	3.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.1
NNW	.0	.2	.1	4.2	.0	1.2	.0	.5	.0	.2	.0	.0	.0	.0	.1 6.4
CALM	.1	2.5													.1 2.5
TOTAL	.2	10.6	1.6	70.9	.3	11.9	.1	4.5	.0	1.3	.0	.4	.0	.3	2.2 100
															8.8

CEILING-VISIBILITY

WIND GRAPH



CVG CINCINNATI, OH

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CVG CINCINNATI, OH

CLASS 5 / DAY

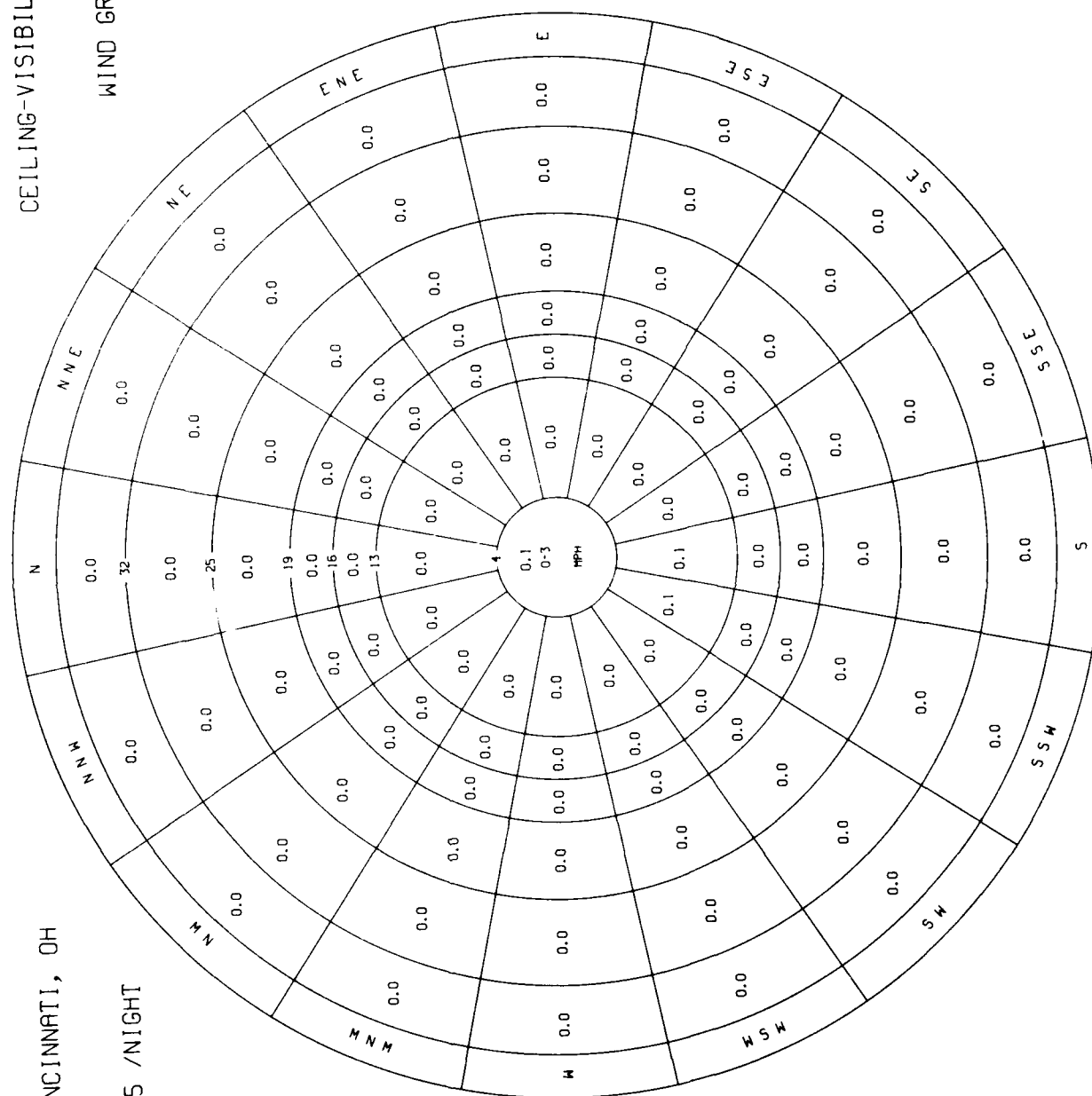
NO. OBS.: 189

STATION NUMBER: 93814

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	3.2	.0	4.2	.0	2.6	.0	1.6	.0	.5	.0	.0	.0	.0	.0 12.2
NNE	.0	2.1	.0	4.2	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0 7.9
NE	.0	1.6	.0	6.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.5
ENE	.0	1.6	.0	5.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.5
E	.0	1.6	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
ESE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
SE	.0	1.1	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
SSE	.0	.5	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
S	.0	1.1	.0	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
SSW	.0	1.1	.0	3.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 4.8
SW	.0	1.1	.0	3.7	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0 5.8
WSW	.0	2.1	.0	5.3	.0	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0 8.5
W	.0	.0	.0	3.7	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 5.3
WNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NW	.0	.0	.0	3.2	.0	.5	.0	.0	.0	.5	.0	.5	.0	.0	.0 4.8
NNW	.0	.0	.0	3.7	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0 5.3
CALM	.0	4.8													.0 4.8
TOTAL	.1	22.8	.2	61.4	.0	7.4	.0	4.8	.0	2.1	.0	1.6	.0	.0	.4 100
															7.9

CVG CINCINNATI, OH

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 5 / NIGHT

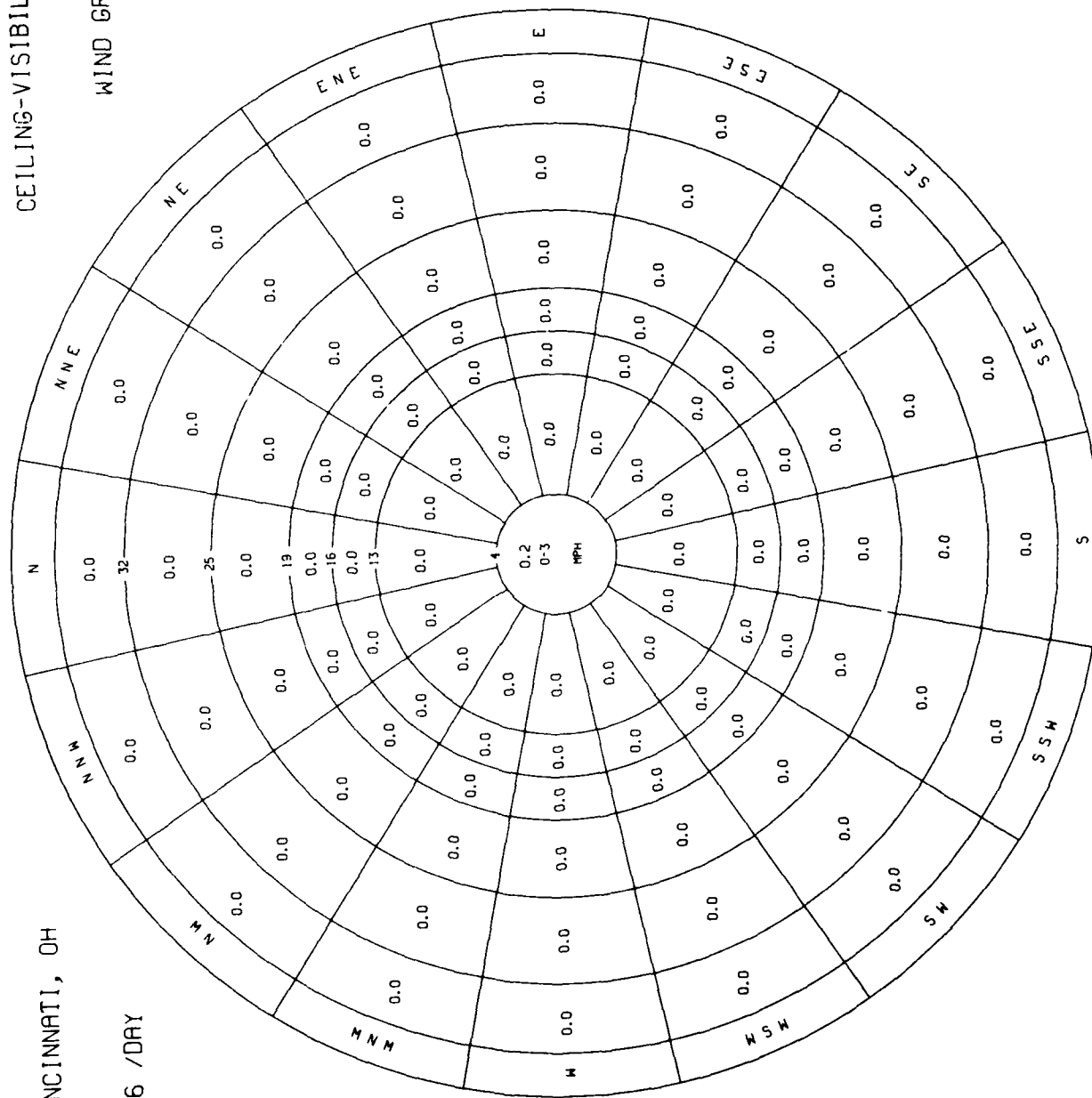
STATION NUMBER: 93814

NO. OBS.: 271

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	4.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	5.5
NNE	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
NE	.0	1.1	.0	5.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	7.4
ENE	.0	.4	.0	4.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	5.5
E	.0	.7	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
ESE	.0	.4	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
SE	.0	.4	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
SSE	.0	1.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
S	.0	1.8	.1	7.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	10.0
SSW	.0	.4	.1	11.4	.0	.7	.0	.7	.0	.0	.0	.4	.0	.1	13.7
SW	.0	1.1	.0	6.3	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.1	9.2
WSW	.0	.7	.0	3.0	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	4.8
W	.0	.4	.0	2.6	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	3.7
WNW	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	2.2
NW	.0	.7	.0	3.0	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	4.8
NNW	.0	.4	.0	3.7	.0	.7	.0	.4	.0	.4	.0	.0	.0	.0	5.5
CALM	.0	4.8												.0	4.8
TOTAL	.1	16.2	.5	73.1	.0	4.8	.0	2.6	.0	1.8	.0	1.1	.0	.7	100
															7.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CVG CINCINNATI, OH

PERIOD: 1948-1978

CLASS 6 / DAY

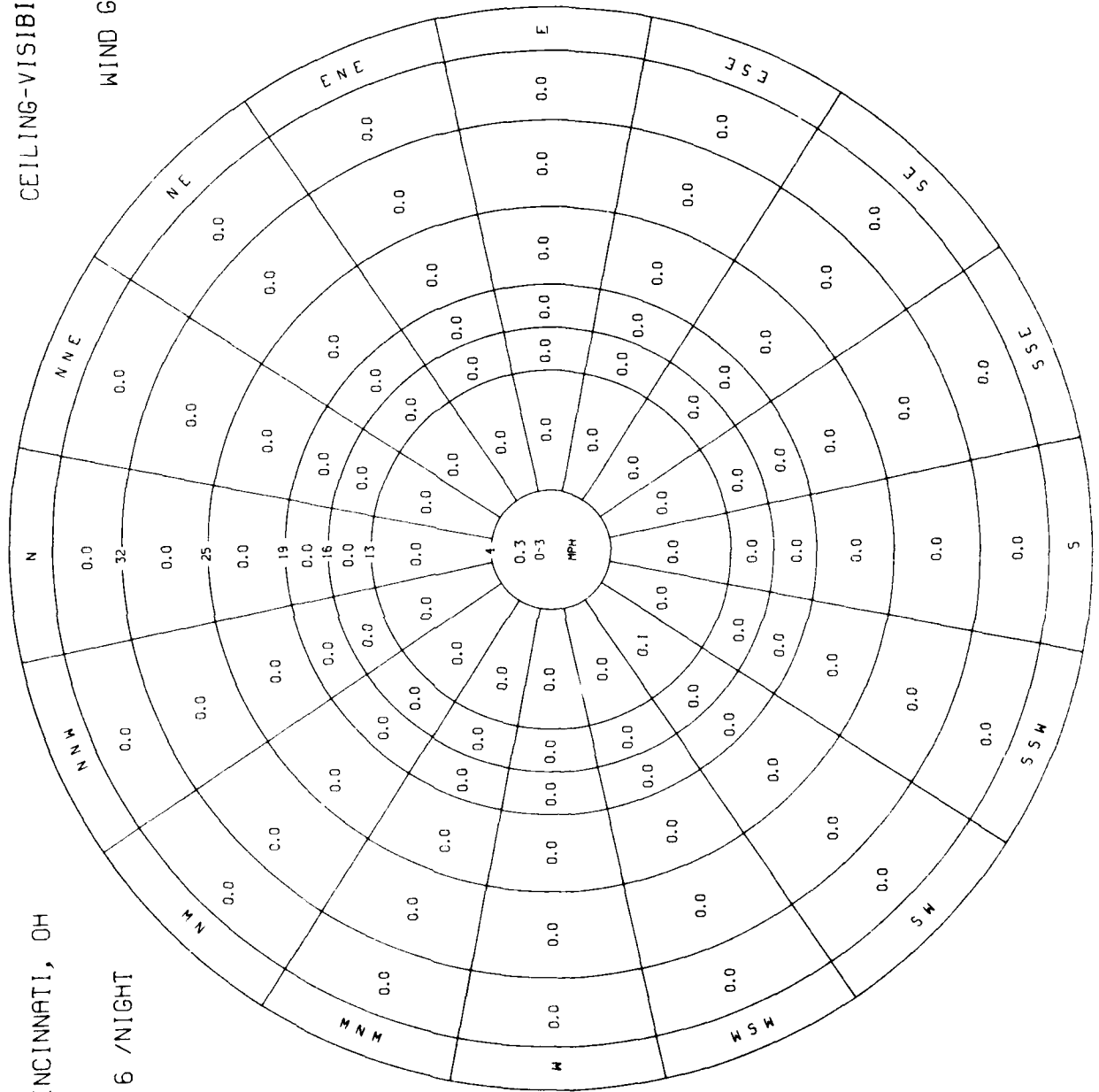
STATION NUMBER: 93814

NO. OBS.: 259

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	.0	6.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.1
NNE	.0	1.2	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
NE	.0	5.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.7
ENE	.0	2.7	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.2
E	.0	1.2	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
ESE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
SE	.0	1.2	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
SSE	.0	1.2	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
S	.0	1.2	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.9
SSW	.0	2.3	.0	7.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.4
SW	.0	2.7	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.5
WSW	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 3.5
W	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
WNW	.0	.4	.0	1.9	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0 3.1
NW	.0	.4	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
NNW	.0	1.2	.0	1.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 3.5
CALM	.1	13.1													.1 13.1
TOTAL	.2	36.3	.3	61.4	.0	1.2	.0	.0	.0	1.2	.0	.0	.0	.0	.5 100

WIND GRAPH

CLASS 6 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CVG CINCINNATI, OH

CLASS 6 / NIGHT

NO. OBS.: 302

STATION NUMBER: 93814

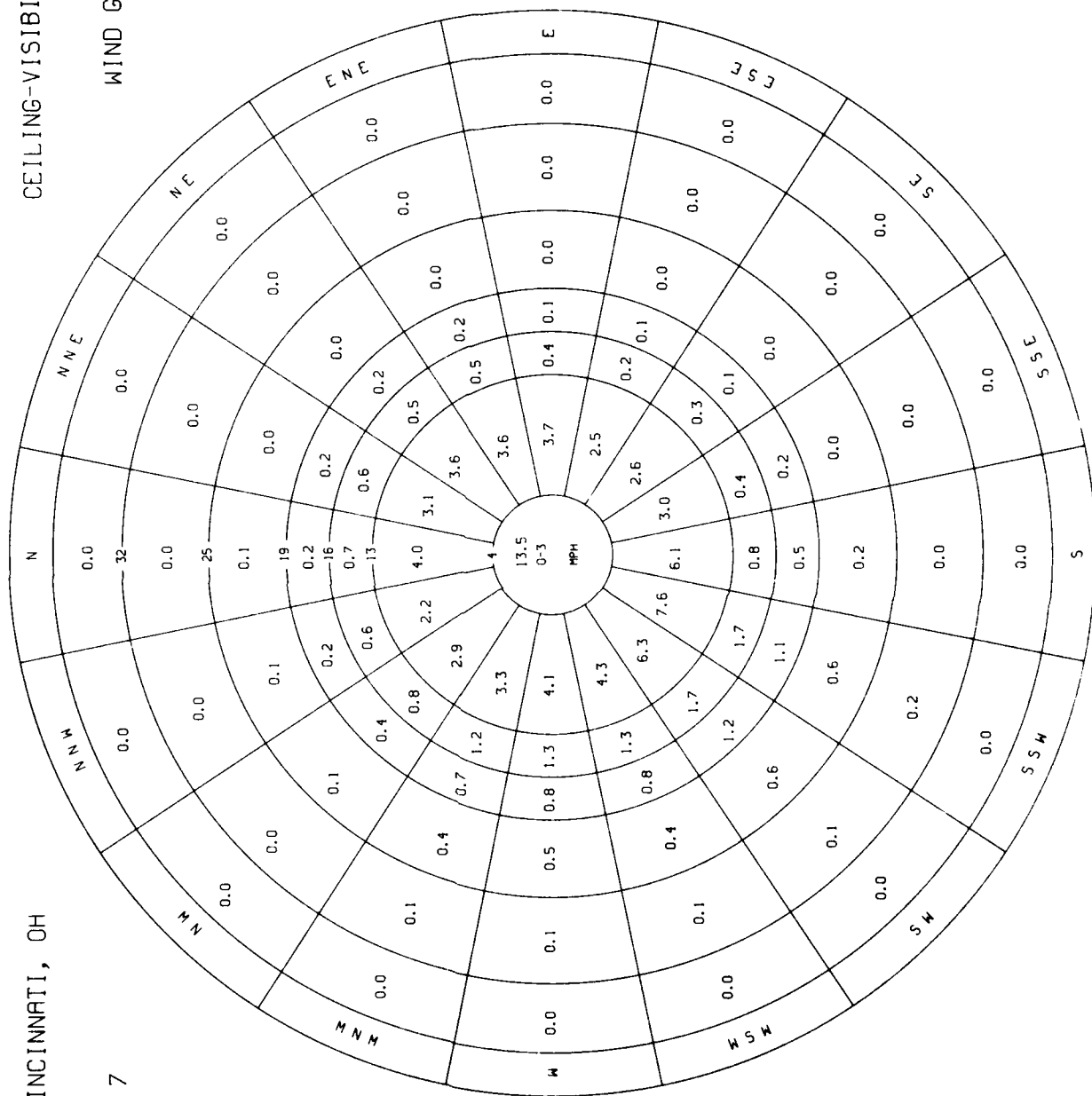
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	3.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0	4.7
NNE	.0	.7	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.0
NE	.0	2.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	4.9
ENE	.0	2.6	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.6
E	.0	1.3	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	5.4
ESE	.0	1.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.9
SE	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.0
SSE	.0	.7	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.8
S	.0	2.6	.0	5.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	5.8
SSW	.0	2.3	.0	6.3	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.1	9.6	6.9
SW	.0	1.7	.1	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	5.9
WSW	.0	.3	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.7
W	.0	2.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.0
WNW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.7
NW	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.4
NNW	.0	2.3	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	4.5
CALM	.1	11.3														.1	11.3	
TOTAL	.3	36.8	.5	61.9	.0	.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.7	100	4.9

CEILING-VISIBILITY

WIND GRAPH

CVG CINCINNATI, OH

CLASS 7

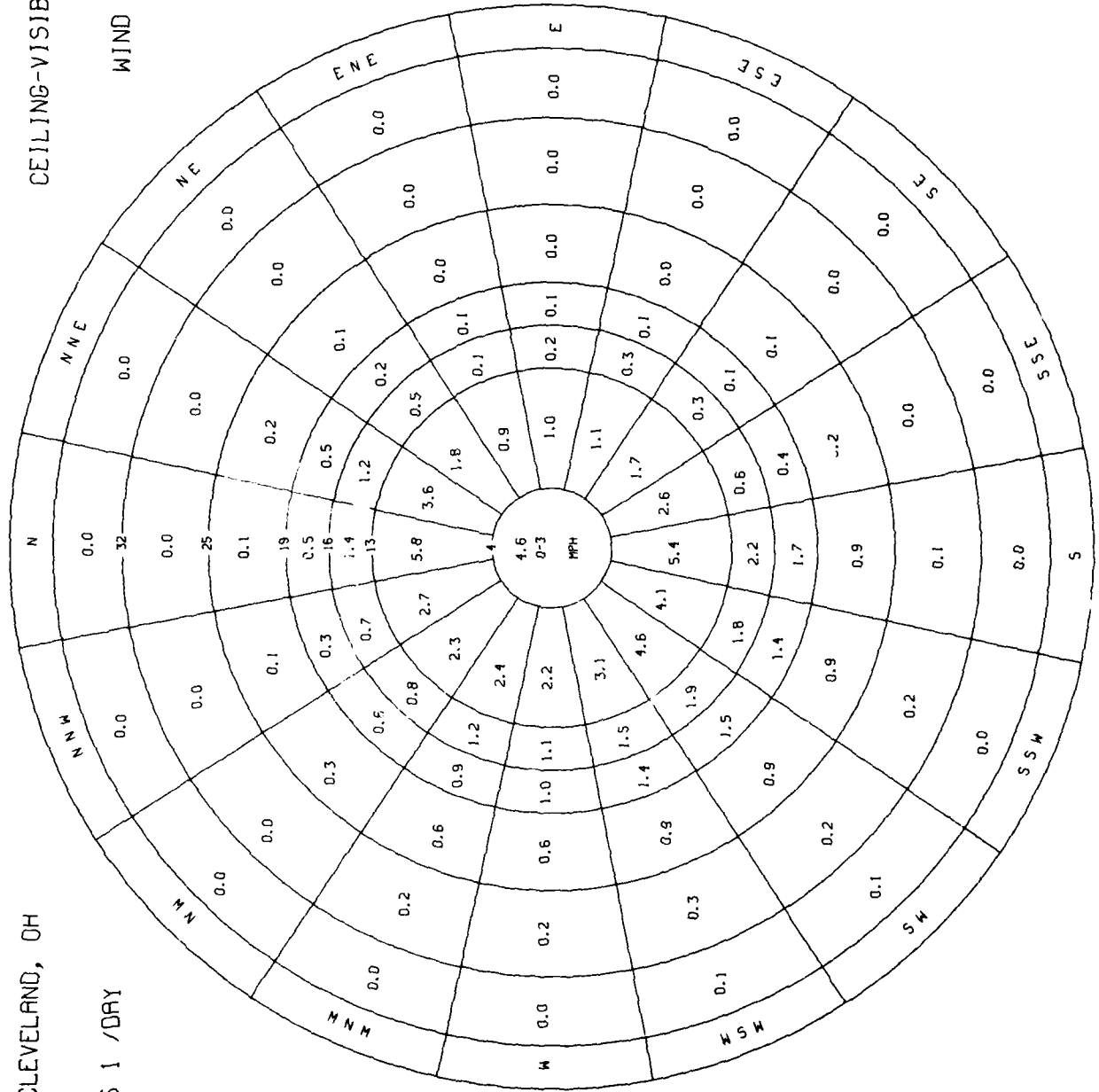


CLE CLEVELAND, OH

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14820

NO. OBS.: 42162

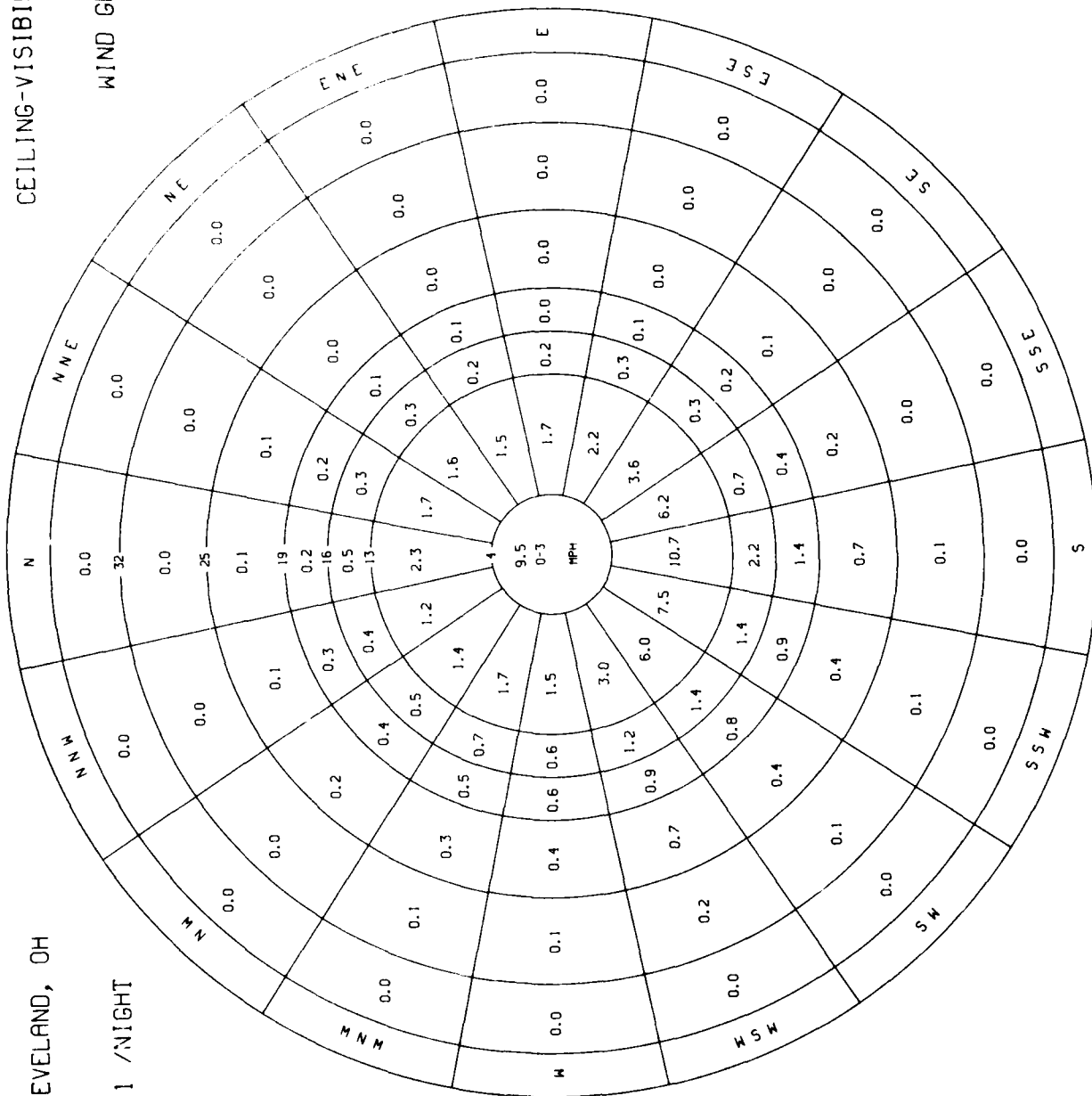
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.3	.4	5.8	6.9	1.4	1.7	.5	.6	.1	.1	.0	.0	.0	.0	8.1	9.6	10.0
NNE	.2	.2	3.6	4.3	1.2	1.4	.5	.6	.2	.2	.0	.0	.0	.0	5.7	6.7	11.0
NE	.2	.3	1.8	2.2	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	2.9	3.4	10.1
ENE	.1	.2	.9	1.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.3	1.5	9.0
E	.1	.1	1.0	1.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.4	1.7	9.5
ESE	.1	.1	1.1	1.4	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	1.7	2.0	10.1
SE	.3	.4	1.7	2.1	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.5	3.0	8.9
SSE	.3	.4	2.6	3.1	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	4.3	5.0	10.3
S	.4	.5	5.4	6.4	2.2	2.6	1.7	2.0	.9	1.0	.1	.2	.0	.0	10.7	12.7	12.2
SSW	.3	.3	4.1	4.8	1.8	2.1	1.4	1.6	.9	1.0	.2	.2	.0	.0	8.6	10.2	12.8
SW	.3	.3	4.6	5.4	1.9	2.3	1.5	1.8	.9	1.1	.2	.3	.1	.1	9.4	11.2	12.8
WSW	.2	.2	3.1	3.7	1.5	1.8	1.4	1.6	.9	1.1	.3	.4	.1	.1	7.6	9.0	13.9
W	.2	.2	2.2	2.6	1.1	1.4	1.0	1.1	.6	.7	.2	.2	.0	.0	5.3	6.3	13.5
WNW	.1	.1	2.4	2.8	1.2	1.5	.9	1.1	.6	.8	.2	.2	.0	.0	5.5	6.5	13.4
NW	.2	.2	2.3	2.7	.8	.9	.6	.7	.3	.3	.0	.0	.0	.0	4.2	5.0	11.6
NNW	.2	.2	2.7	3.2	.7	.9	.3	.4	.1	.2	.0	.0	.0	.0	4.2	4.9	10.6
CALM	1.1	1.3													1.1	1.3	
TOTAL	4.6	5.5	45.4	53.8	15.9	18.8	10.9	12.9	6.0	7.2	1.3	1.5	.2	.3	84.4	100	11.7

CEILING-VISIBILITY

WIND GRAPH

CLE CLEVELAND, OH

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 1 / NIGHT

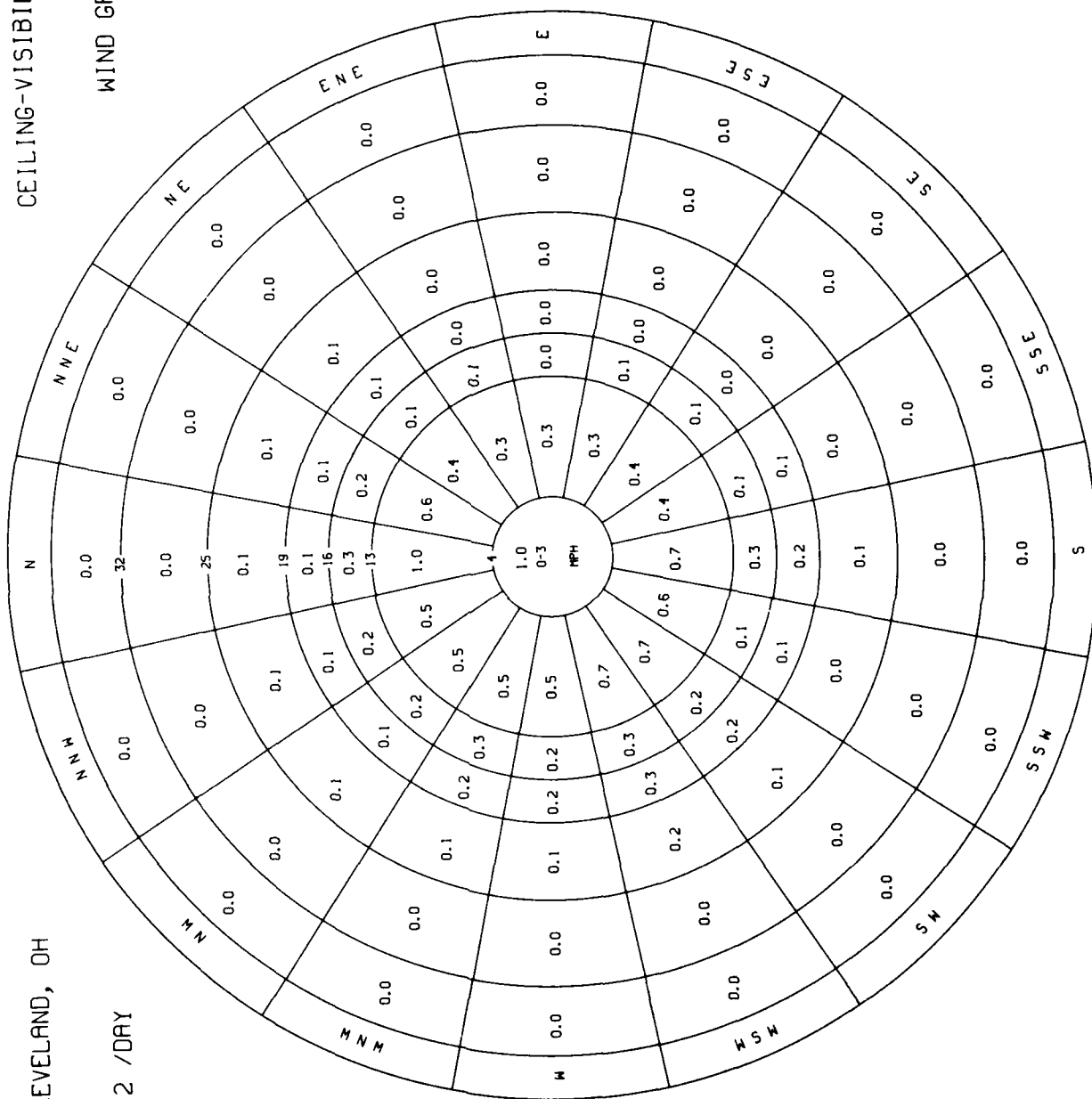
STATION NUMBER: 14820

NO. OBS.: 34908

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	2.3	2.7	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	3.6	4.1	9.1
NNE	.2	.3	1.7	2.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.5	2.9	9.4
NE	.2	.2	1.6	1.9	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.3	2.6	8.8
ENE	.1	.2	1.5	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.9	2.2	8.5
E	.3	.3	1.7	2.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.6	7.9
ESE	.3	.3	2.2	2.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.3	8.4
SE	.8	1.0	3.6	4.2	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	5.0	5.8	7.4
SSE	.9	1.1	6.2	7.2	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	8.4	9.8	8.4
S	1.2	1.4	10.7	12.5	2.2	2.6	1.4	1.6	.7	.8	.1	.1	.0	.0	16.4	19.1	10.0
SSW	.6	.7	7.5	8.8	1.4	1.7	.9	1.0	.4	.5	.1	.1	.0	.0	10.9	12.7	9.9
SW	.4	.5	6.0	6.9	1.4	1.6	.8	1.0	.4	.5	.1	.1	.0	.0	9.2	10.7	10.6
WSW	.2	.3	3.0	3.5	1.2	1.4	.9	1.0	.7	.8	.2	.2	.0	.1	6.3	7.3	12.8
W	.2	.3	1.5	1.8	.6	.7	.6	.6	.4	.4	.1	.1	.0	.0	3.4	4.0	12.9
WNW	.1	.1	1.7	1.9	.7	.8	.5	.5	.3	.4	.1	.1	.0	.0	3.4	4.0	12.6
NW	.2	.3	1.4	1.6	.5	.6	.4	.4	.2	.3	.0	.0	.0	.0	2.8	3.2	11.3
NNW	.2	.3	1.2	1.3	.4	.4	.3	.3	.1	.1	.0	.0	.0	.0	2.1	2.5	10.3
CALM	2.9	3.4													2.9	3.4	
TOTAL	9.5	11.1	53.9	62.6	11.1	12.9	6.9	8.0	3.7	4.4	.8	.9	.1	.1	86.1	100	9.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 2 / DAY

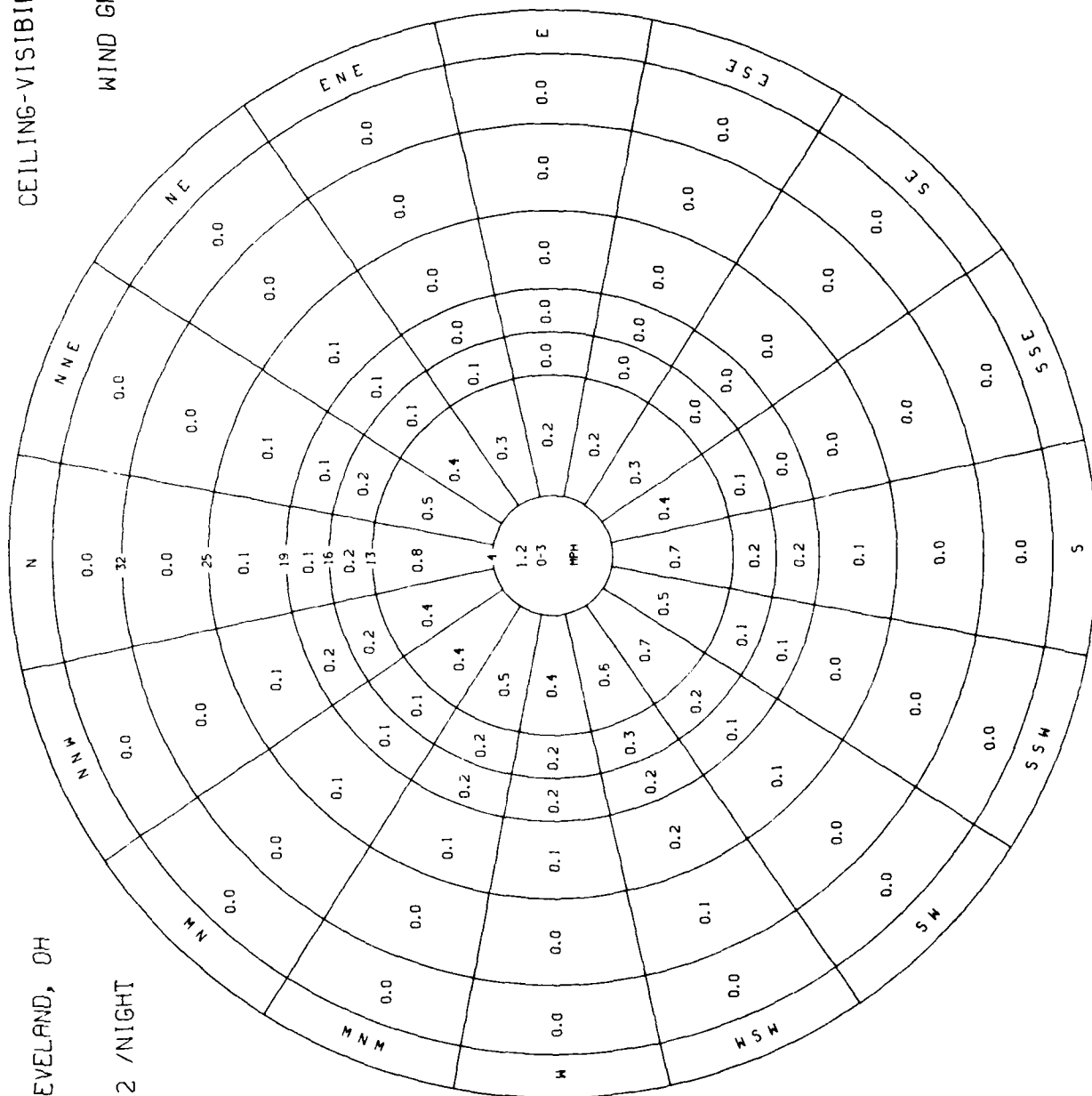
STATION NUMBER: 14820

NO. OBS.: 7810

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	1.0	6.4	.3	2.0	.1	.9	.1	.5	.0	.0	.0	.0	1.6	10.2	11.0
NNE	.0	.2	.6	4.0	.2	1.4	.1	.8	.1	.6	.0	.1	.0	.0	1.1	7.2	12.1
NE	.0	.3	.4	2.8	.1	.9	.1	.3	.1	.3	.0	.1	.0	.0	.7	4.7	11.2
ENE	.0	.1	.3	1.6	.1	.4	.0	.3	.0	.0	.0	.0	.0	.0	.4	2.4	10.1
E	.0	.2	.3	1.6	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.4	10.0
ESE	.0	.2	.3	1.9	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.8	9.8
SE	.1	.4	.4	2.5	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.6	3.6	8.7
SSE	.1	.5	.4	2.8	.1	.8	.1	.3	.0	.2	.0	.0	.0	.0	.7	4.6	9.7
S	.1	.5	.7	4.8	.3	1.7	.2	1.1	.1	.5	.0	.0	.0	.0	1.3	8.6	11.2
SSW	.0	.3	.6	4.1	.1	.9	.1	.6	.0	.3	.0	.0	.0	.0	1.0	6.3	10.5
SW	.1	.3	.7	4.8	.2	1.4	.2	1.0	.1	.7	.0	.1	.0	.1	1.3	8.4	11.6
WSW	.0	.2	.7	4.4	.3	1.7	.3	1.6	.2	1.1	.0	.3	.0	.1	1.5	9.5	13.3
W	.0	.2	.5	3.3	.2	1.5	.2	1.1	.1	.9	.0	.2	.0	.0	1.1	7.2	13.4
WNW	.0	.1	.5	3.3	.3	1.9	.2	1.5	.1	.9	.0	.2	.0	.0	1.2	8.0	13.7
NW	.0	.1	.5	2.9	.2	1.3	.1	.9	.1	.5	.0	.1	.0	.0	.9	5.8	12.5
NNW	.0	.2	.5	3.1	.2	1.1	.1	.8	.1	.6	.0	.1	.0	.0	1.0	6.1	12.3
CALM	.3	2.2													.3	2.2	
TOTAL	1.0	6.5	8.5	54.2	2.8	18.2	1.9	12.0	1.2	7.5	.2	1.4	.0	.3	15.6	100	11.4

CEILING-VISIBILITY

WIND GRAPH



CLE CLEVELAND, OH

CLASS 2 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14820

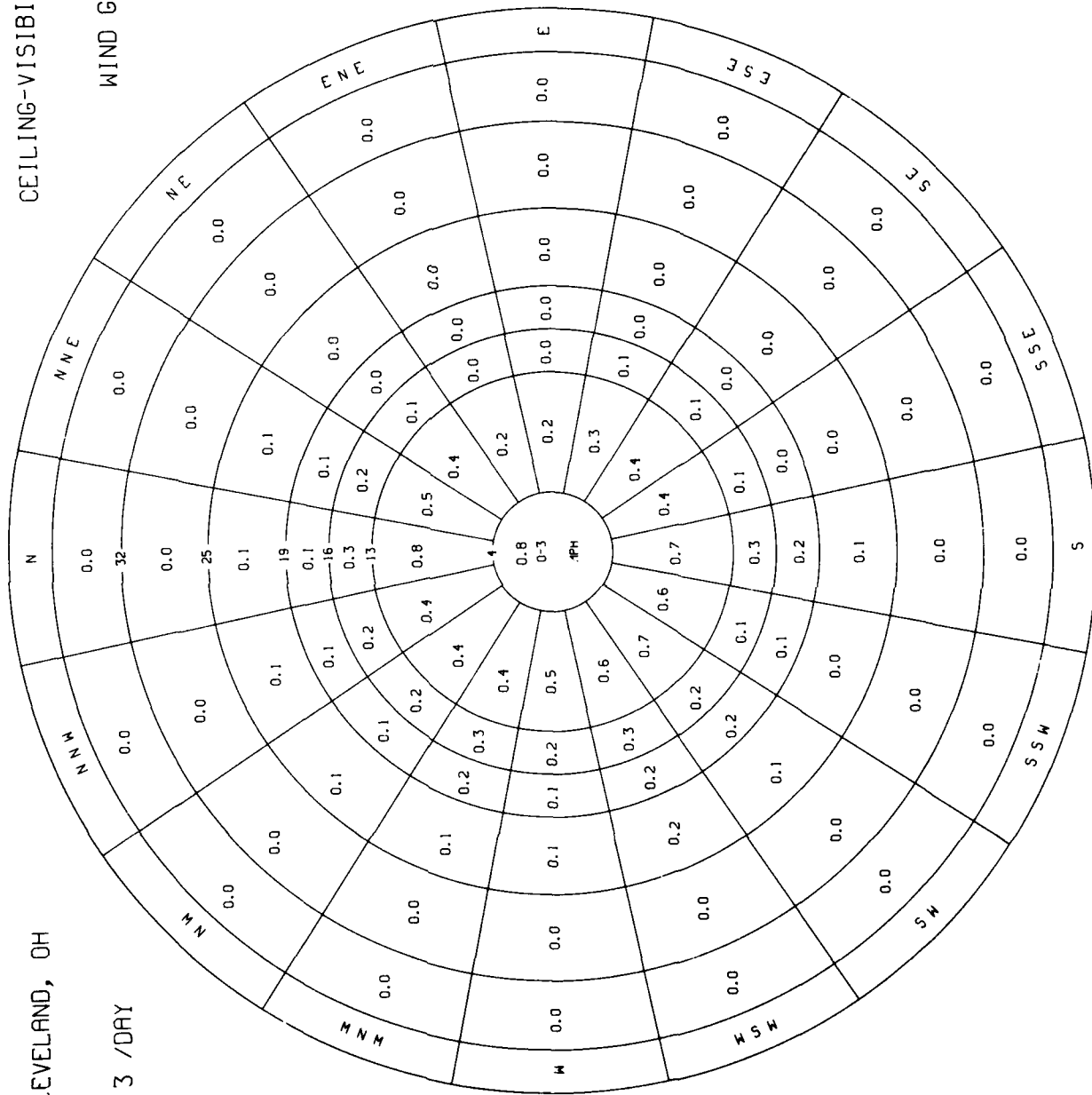
NO. OBS.: 5640

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	.8	5.5	.2	1.6	.1	1.0	.1	.5	.0	.0	.0	.0	1.2	9.0	10.9				
NNE	.0	.3	.5	3.8	.2	1.5	.1	.9	.1	.5	.0	.1	.0	.0	1.0	7.1	11.8				
NE	.1	.4	.4	2.8	.1	.9	.1	.6	.1	.6	.0	.1	.0	.0	.8	5.4	11.7				
ENE	.0	.1	.3	2.0	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.8	9.7				
E	.0	.3	.2	1.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.4	9.0				
ESE	.0	.3	.2	1.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.4	8.7				
SE	.1	.4	.3	2.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.8	8.2				
SSE	.1	.5	.4	2.7	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.3	9.2				
S	.1	.7	.7	4.8	.2	1.3	.2	1.2	.1	.5	.0	.1	.0	.0	1.2	8.5	10.7				
SSW	.1	.4	.5	3.4	.1	.9	.1	.7	.0	.2	.0	.1	.0	.0	.8	5.6	10.3				
SW	.1	.5	.7	5.1	.2	1.5	.1	1.0	.1	.5	.0	.1	.0	.0	1.2	8.7	11.0				
WSW	.0	.3	.6	4.2	.3	2.2	.2	1.7	.2	1.2	.1	.4	.0	.1	1.4	10.0	13.5				
W	.0	.1	.4	3.2	.2	1.6	.2	1.4	.1	.9	.0	.3	.0	.0	1.1	7.6	13.7				
WNW	.0	.1	.5	3.7	.2	1.6	.2	1.4	.1	.8	.0	.3	.0	.0	1.1	8.0	13.0				
NW	.1	.4	.4	3.2	.1	.9	.1	.9	.1	.7	.0	.0	.0	.0	.9	6.1	11.8				
NNW	.0	.3	.4	3.0	.2	1.1	.2	1.1	.1	.6	.0	.1	.0	.0	.9	6.3	12.5				
CALM	.4	3.2													.4	3.2					
TOTAL	1.2	8.7	7.3	52.8	2.3	16.9	1.8	12.7	1.0	7.2	.2	1.6	.0	.2	13.9	100	11.1				

CEILING-VISIBILITY
WIND GRAPH

CLE CLEVELAND, OH

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 3 / DAY

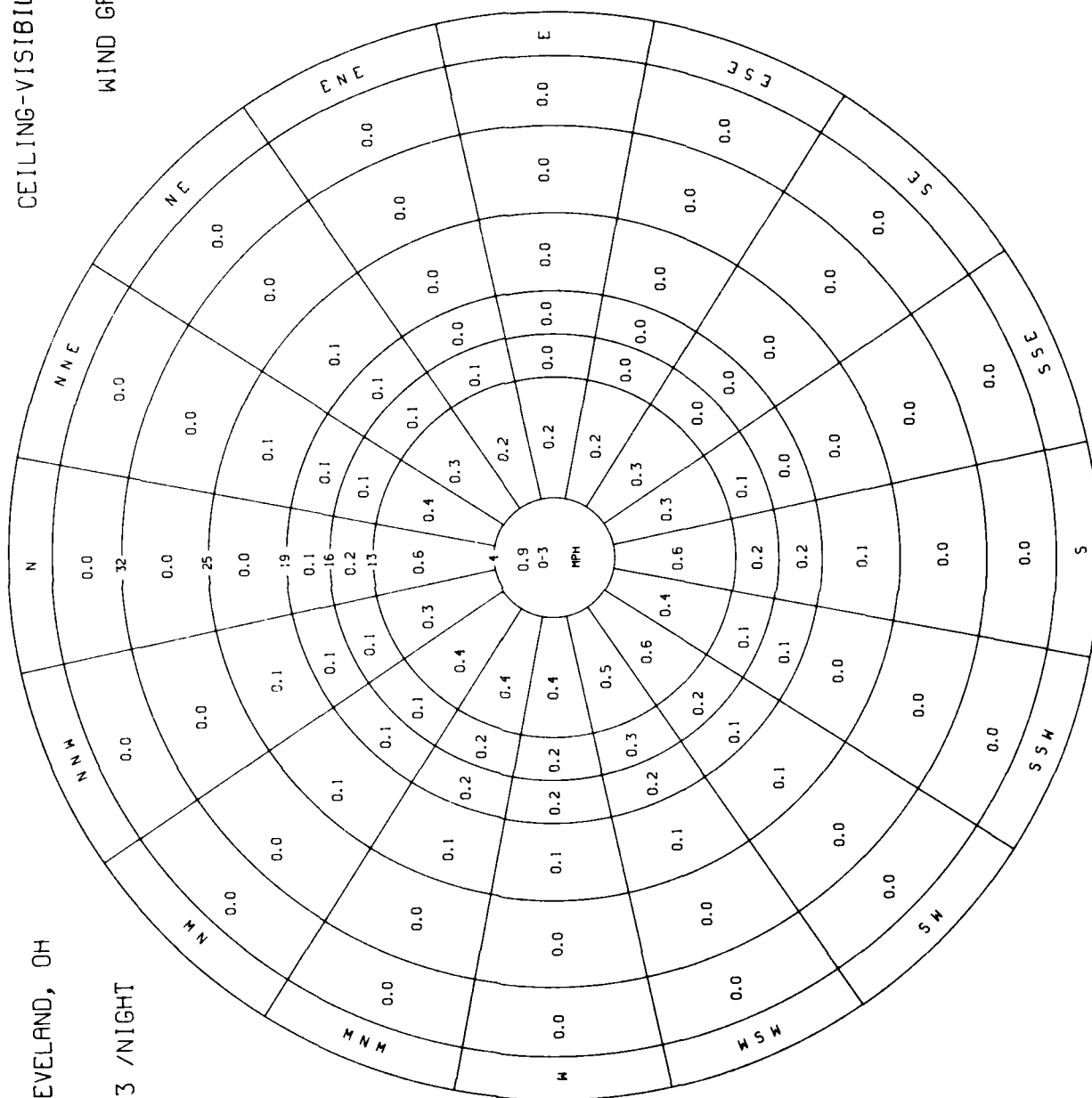
STATION NUMBER: 14820

NO. OBS.: 6847

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	.4	.8	6.1	.3	1.9	.1	.9	.1	.5	.0	.0	.0	.0	1.3	9.8	11.0
NNE	.0	.1	.5	3.7	.2	1.4	.1	.9	.1	.5	.0	.1	.0	.0	.9	6.7	12.1
NE	.0	.2	.4	2.6	.1	.8	.0	.2	.0	.2	.0	.0	.0	.0	.6	4.1	10.8
ENE	.0	.1	.2	1.6	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	2.3	10.1
E	.0	.2	.2	1.7	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.6	10.1
ESE	.0	.2	.3	2.0	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.9	10.0
SE	.1	.4	.4	2.6	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.8	8.7
SSE	.1	.5	.4	3.0	.1	.9	.0	.4	.0	.2	.0	.0	.0	.0	.7	4.9	9.7
S	.1	.4	.7	5.0	.3	1.9	.2	1.2	.1	.6	.0	.0	.0	.0	1.2	9.1	11.5
SSW	.0	.3	.6	4.3	.1	1.1	.1	.7	.0	.3	.0	.0	.0	.0	.9	6.8	10.5
SW	.0	.3	.7	5.1	.2	1.5	.2	1.2	.1	.7	.0	.1	.0	.0	1.2	9.0	11.6
WSW	.0	.2	.6	4.6	.3	1.9	.2	1.8	.2	1.1	.0	.3	.0	.1	1.4	9.9	13.3
W	.0	.1	.5	3.3	.2	1.5	.1	1.1	.1	.9	.0	.2	.0	.0	1.0	7.1	13.3
WNW	.0	.1	.4	3.2	.3	1.9	.2	1.5	.1	.9	.0	.2	.0	.0	1.1	7.8	13.7
NW	.0	.1	.4	2.7	.2	1.2	.1	.8	.1	.5	.0	.0	.0	.0	.7	5.4	12.5
NNW	.0	.2	.4	3.1	.2	1.2	.1	.8	.1	.6	.0	.1	.0	.0	.8	5.9	12.4
CALM	.3	2.1													.3	2.1	
TOTAL	.8	6.1	7.5	54.4	2.5	18.5	1.7	12.1	1.0	7.5	.2	1.2	.0	.1	13.7	100	11.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14820

NO. OBS.: 4783

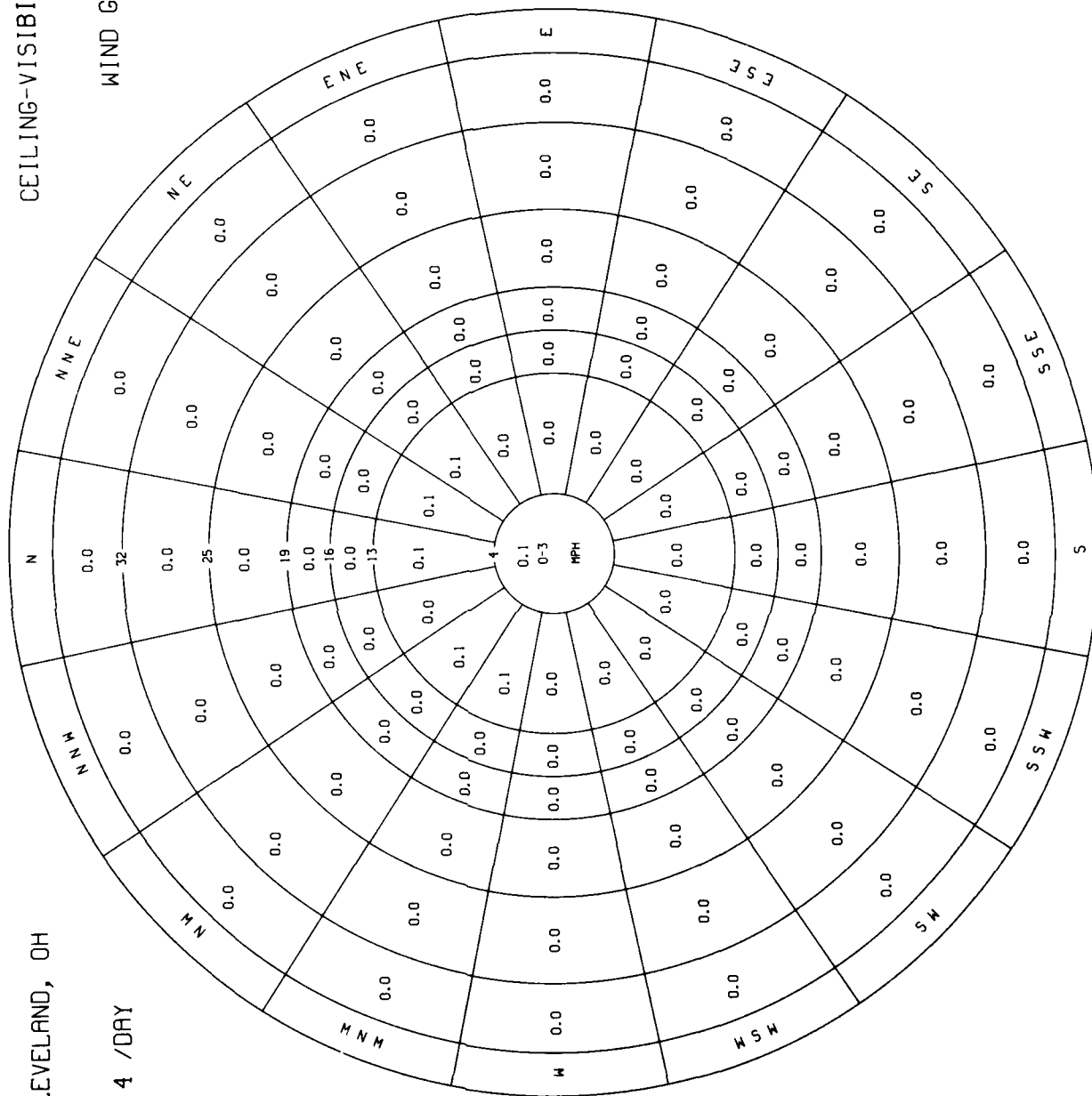
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.3	.6	4.8	.2	1.6	.1	1.0	.0	.4	.0	.0	.0	.0	1.0	8.1	11.1		
NNE	.0	.1	.4	3.7	.1	1.2	.1	1.0	.1	.5	.0	.1	.0	.0	.8	6.7	12.0		
NENE	.1	.4	.3	2.4	.1	.9	.1	.6	.1	.5	.0	.0	.0	.0	.6	4.9	11.5		
ENE	.0	.1	.2	2.0	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.7	9.6		
E	.0	.2	.2	1.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.6	9.1		
ESE	.0	.3	.2	1.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.5	8.9		
SE	.0	.4	.3	2.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	3.0	8.3		
SSE	.1	.5	.3	2.8	.1	.6	.0	.4	.0	.1	.0	.0	.0	.0	.5	4.5	9.4		
S	.1	.7	.6	5.0	.2	1.4	.2	1.4	.1	.5	.0	.0	.0	.0	1.1	9.0	10.8		
SSW	.1	.4	.4	3.4	.1	1.0	.1	.7	.0	.2	.0	.1	.0	.0	.7	6.0	10.6		
SW	.1	.4	.6	5.3	.2	1.7	.1	1.1	.1	.6	.0	.1	.0	.0	1.1	9.2	11.2		
WSW	.0	.2	.5	4.5	.3	2.5	.2	2.0	.1	1.2	.0	.4	.0	.1	1.3	10.7	13.5		
W	.0	.1	.4	3.3	.2	1.6	.2	1.6	.1	1.0	.0	.2	.0	.0	.9	7.8	13.8		
WNW	.0	.1	.4	3.5	.2	1.7	.2	1.5	.1	.9	.0	.2	.0	.0	.9	7.9	13.3		
NW	.0	.4	.4	3.0	.1	.9	.1	.8	.1	.7	.0	.0	.0	.0	.7	5.9	12.0		
NNW	.0	.3	.3	2.7	.1	.9	.1	1.0	.1	.6	.0	.1	.0	.0	.7	5.6	12.4		
CALM	.3	2.9													.3	2.9			
TOTAL	.9	7.9	6.2	52.4	2.1	17.4	1.6	13.5	.9	7.3	.2	1.3	.0	.2	11.8	100	11.3		

CEILING-VISIBILITY

WIND GRAPH

CLE CLEVELAND, OH

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

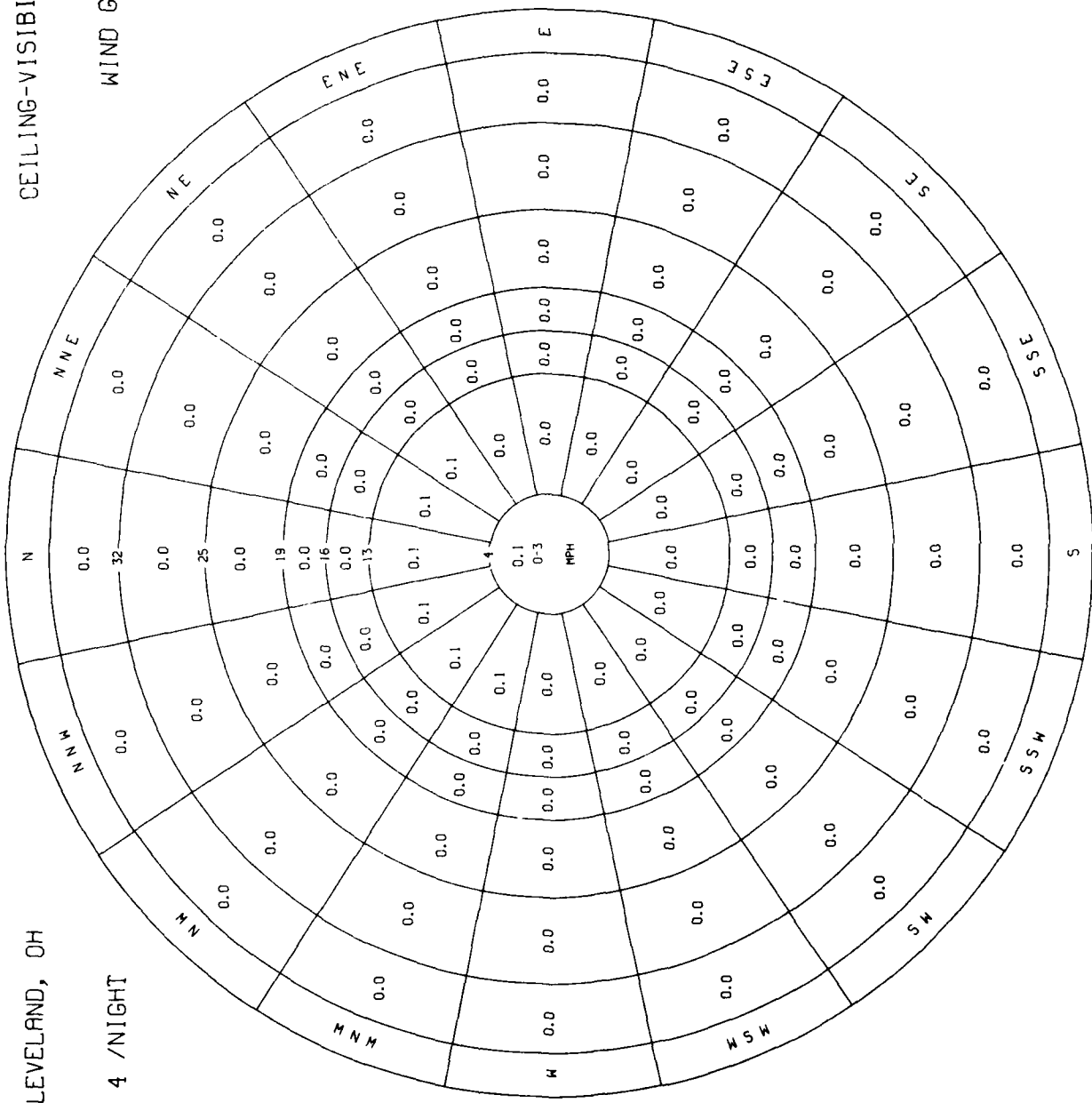
CLASS 4 / DAY

STATION NUMBER: 14820

NO. OBS.: 726

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	.1	8.5	.0	3.0	.0	1.2	.0	.8	.0	.1	.0	.0	.2 14.2
NNE	.0	.4	.1	6.5	.0	2.5	.0	.8	.0	1.7	.0	.1	.0	.0	.2 12.0
NE	.0	.7	.1	3.9	.0	1.8	.0	1.0	.0	1.1	.0	.6	.0	.0	.1 9.0
ENE	.0	.3	.0	2.1	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.1 4.0
E	.0	.3	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.1
ESE	.0	.3	.0	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
SE	.0	.4	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSE	.0	.1	.0	1.8	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0 2.6
S	.0	.3	.0	2.5	.0	.6	.0	.7	.0	.0	.0	.0	.0	.0	.1 4.0
SSW	.0	.0	.0	1.8	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0 2.2
SW	.0	.1	.0	2.3	.0	.4	.0	.4	.0	.3	.0	.1	.0	.0	.1 3.7
WSW	.0	.4	.0	3.0	.0	1.0	.0	.4	.0	1.0	.0	.6	.0	.4	.1 6.7
W	.0	.1	.0	2.6	.0	1.8	.0	1.4	.0	1.0	.0	.3	.0	.0	.1 7.2
WNW	.0	.1	.1	3.9	.0	2.3	.0	2.2	.0	.8	.0	.3	.0	.0	.1 9.6
NW	.0	.0	.1	4.3	.0	1.8	.0	2.1	.0	.7	.0	.3	.0	.0	.1 9.1
NNW	.0	.4	.0	3.3	.0	.7	.0	1.4	.0	1.4	.0	.3	.0	.0	.1 7.4
CALM	.0	2.8													.0 2.9
TOTAL	.1	7.2	.7	50.1	.3	17.8	.2	13.1	.1	8.8	.0	2.6	.0	.4	1.5 100

CEILING-VISIBILITY
WIND GRAPH



CLE CLEVELAND, OH
CLASS 4 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 4 / NIGHT

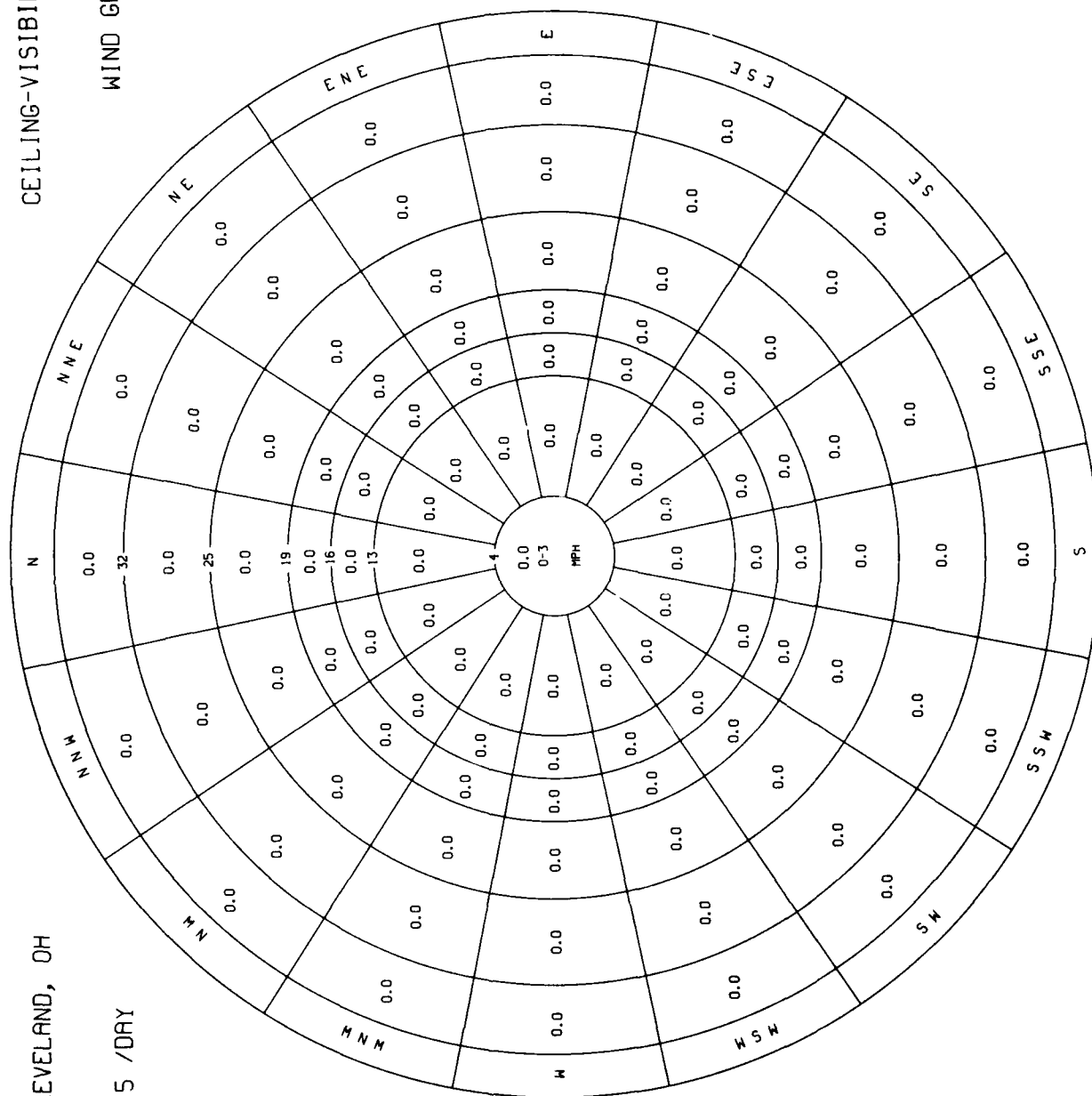
STATION NUMBER: 14820

NO. OBS.: 566

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	.1	8.8	.0	2.1	.0	1.1	.0	1.4	.0	.0	.0	.0	.0	.2	14.5	10.8
NNE	.0	1.4	.1	3.7	.0	3.2	.0	.5	.0	.7	.0	.2	.0	.2	.0	.1	9.9	11.7
NE	.0	.0	.1	5.1	.0	1.4	.0	.9	.0	1.8	.0	.2	.0	.0	.0	.1	9.4	13.2
ENE	.0	.4	.0	2.3	.0	.0	.0	.5	.0	.4	.0	.0	.0	.0	.0	.0	3.5	10.0
E	.0	.2	.0	.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.4	10.2
ESE	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.2
SE	.0	.4	.0	1.2	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	1.9	8.9
SSE	.0	.4	.0	1.4	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2.5	3.3
S	.0	.0	.0	2.3	.0	1.2	.0	.5	.0	.4	.0	.2	.0	.0	.0	.1	4.6	12.1
SSW	.0	.4	.0	2.3	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	3.4	8.7
SW	.0	.0	.0	2.7	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	3.9	10.4
WSW	.0	.4	.0	3.2	.0	.9	.0	.4	.0	1.2	.0	.4	.0	.0	.0	.1	6.4	13.1
W	.0	.4	.0	3.0	.0	1.6	.0	.4	.0	1.1	.0	.9	.0	.0	.0	.1	7.2	14.2
WNW	.0	.4	.1	5.1	.0	1.4	.0	1.1	.0	.4	.0	1.1	.0	.0	.0	.1	9.4	12.3
NW	.0	.0	.1	4.2	.0	.9	.0	1.6	.0	.4	.0	.4	.0	.0	.2	.1	7.2	12.4
NNW	.0	.2	.1	4.6	.0	2.3	.0	2.5	.0	1.2	.0	.5	.0	.0	.0	.2	11.3	13.7
CALM	.0	2.5														.0	2.5	
TOTAL	.1	8.0	.7	51.8	.2	16.6	.1	10.6	.1	9.4	.0	3.4	.0	.4	.0	1.4	100	11.6

CEILING-VISIBILITY

WIND GRAPH



CLE CLEVELAND, OH

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 5 / DAY

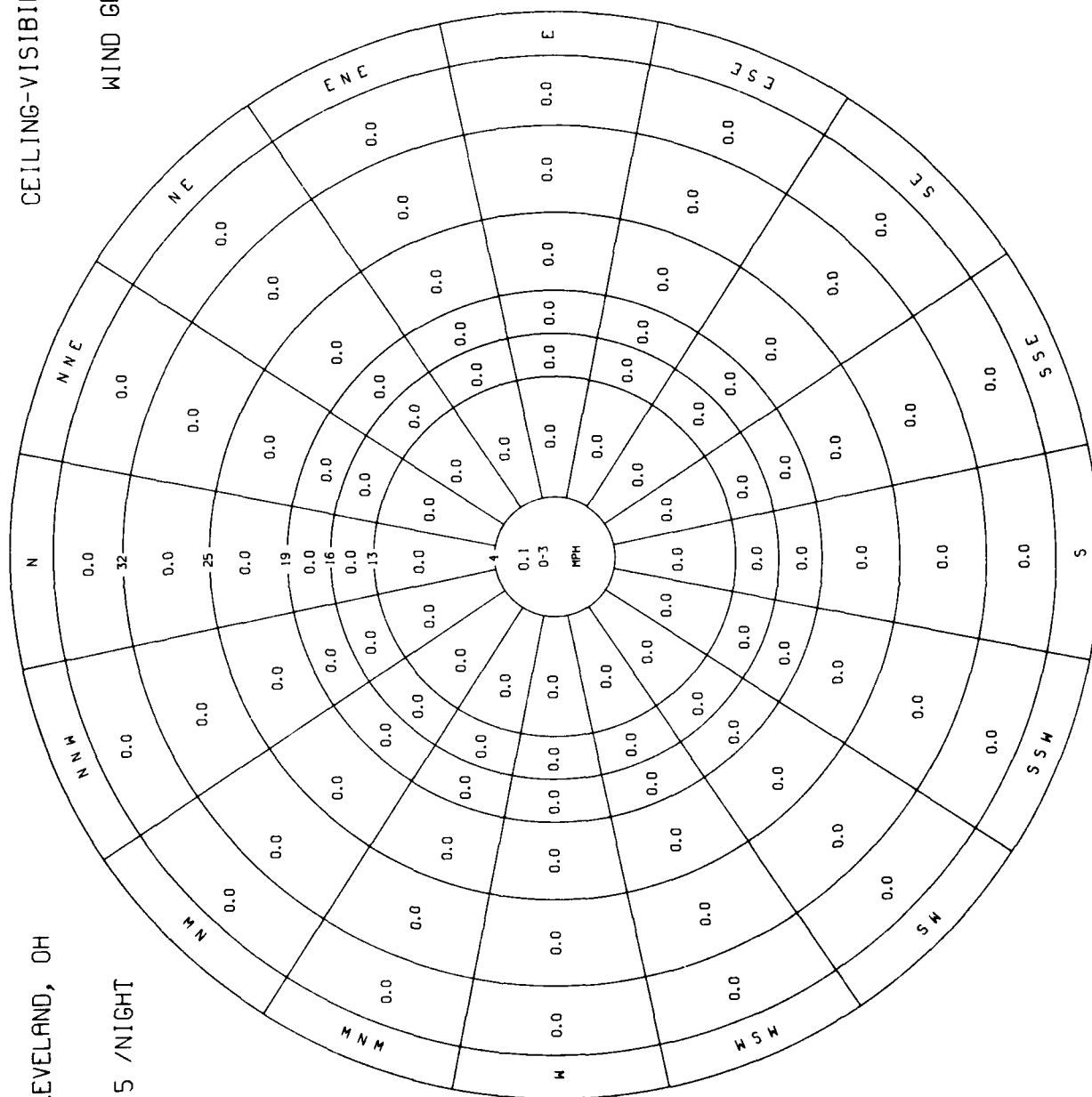
STATION NUMBER: 14820

NO. OBS.: 117

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	7.7	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	12.0	9.8
NNE	.0	.0	.0	6.8	.0	.9	.0	.0	.0	1.7	.0	.0	.0	1.7	.0	11.1	14.5
NE	.0	.0	.0	6.8	.0	.0	.0	1.7	.0	3.4	.0	.9	.0	.0	.0	12.8	14.4
ENE	.0	.0	.0	1.7	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	2.6	10.0
E	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0
ESE	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	9.0
SSW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.8
SW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	8.0
WSW	.0	.0	.0	4.3	.0	.0	.0	.9	.0	.9	.0	.0	.0	.0	.0	1.7	6.5
W	.0	1.7	.0	6.0	.0	.9	.0	.9	.0	3.4	.0	.9	.0	.0	.0	13.7	13.0
WNW	.0	.0	.0	6.0	.0	1.7	.0	.9	.0	.9	.0	1.7	.0	.9	.0	12.0	14.5
NW	.0	.0	.0	4.3	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	10.4
NNW	.0	.9	.0	4.3	.0	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	7.7	9.2
CALM	.0	2.6												.0	2.6		
TOTAL	.0	10.3	.1	57.3	.0	9.4	.0	6.8	.0	10.3	.0	3.4	.0	2.6	.2	100	11.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CLE CLEVELAND, OH

CLASS 5 / NIGHT

NO. OBS.: 125

STATION NUMBER: 14820

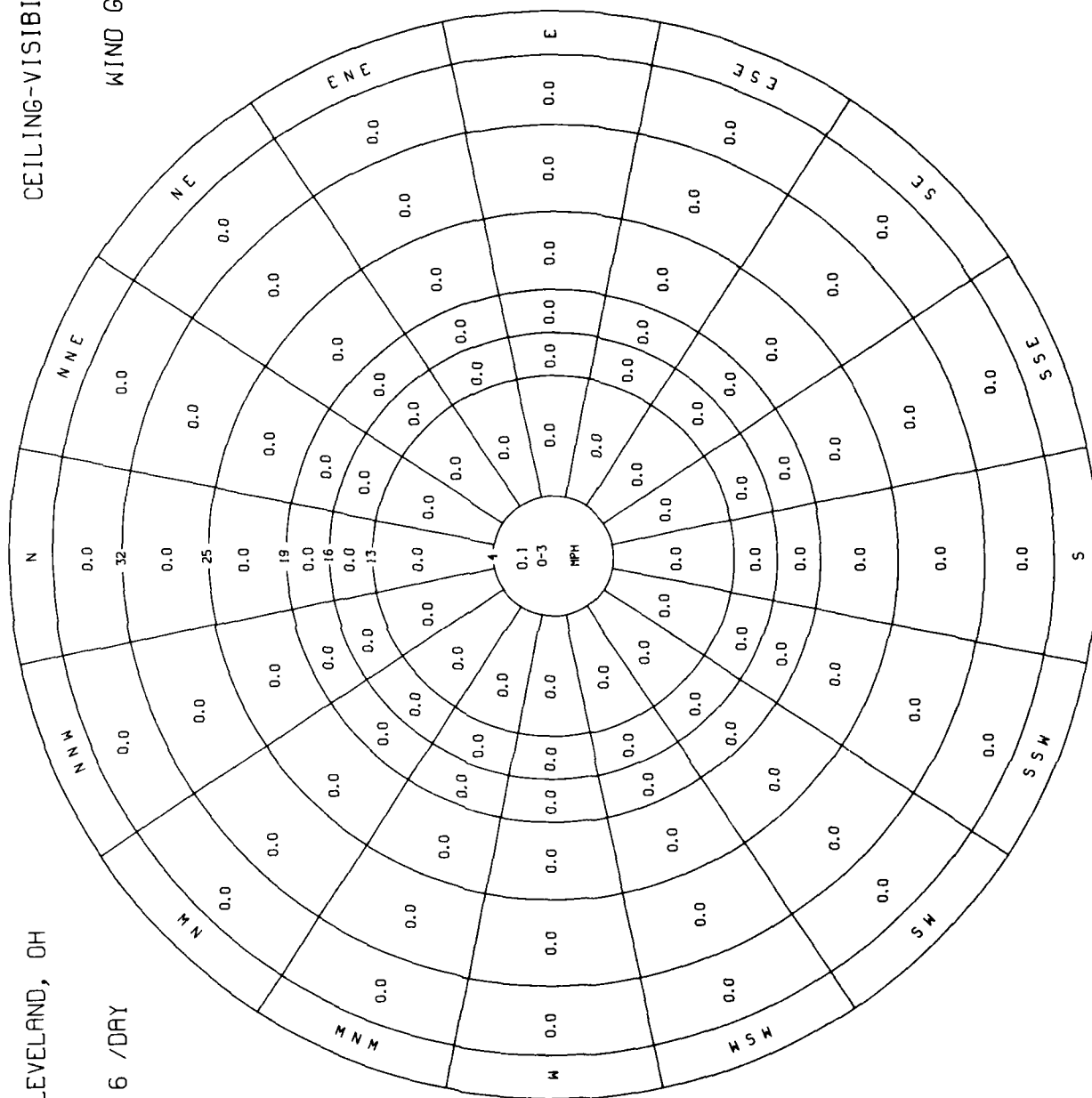
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.8	.0	10.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.6	8.3
NNE	.0	1.6	.0	7.2	.0	1.6	.0	.0	.0	.8	.0	.0	.0	.0	.0	11.2	9.7
NE	.0	.8	.0	5.6	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	8.0	8.1
ENE	.0	.8	.0	2.4	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	4.0	9.2
E	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.5
ESE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.5
SE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
SSE	.0	.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.5
S	.0	.0	.0	4.8	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	6.4	10.2
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.6	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.6
WSW	.0	1.6	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	5.6	9.3
W	.0	.0	.0	3.2	.0	1.6	.0	1.6	.0	.8	.0	.0	.0	.0	.0	7.2	12.3
WNW	.0	.0	.0	4.0	.0	1.6	.0	.0	.0	.8	.0	.0	.0	.0	.0	6.4	10.5
NW	.0	1.6	.0	4.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	7.2	8.9
NNW	.0	.8	.0	4.0	.0	2.4	.0	1.6	.0	.8	.0	.0	.0	.0	.0	9.6	11.5
CALM	.0	9.6													.0	9.6	
TOTAL	1	21.6	2	56.0	0	12.0	0	5.6	0	4.0	0	.8	0	.0	3	100	8.4

CEILING-VISIBILITY

WIND GRAPH

CLE CLEVELAND, OH

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CLE CLEVELAND, OH

CLASS 6 / DAY

NO. OBS.: 120

STATION NUMBER: 14820

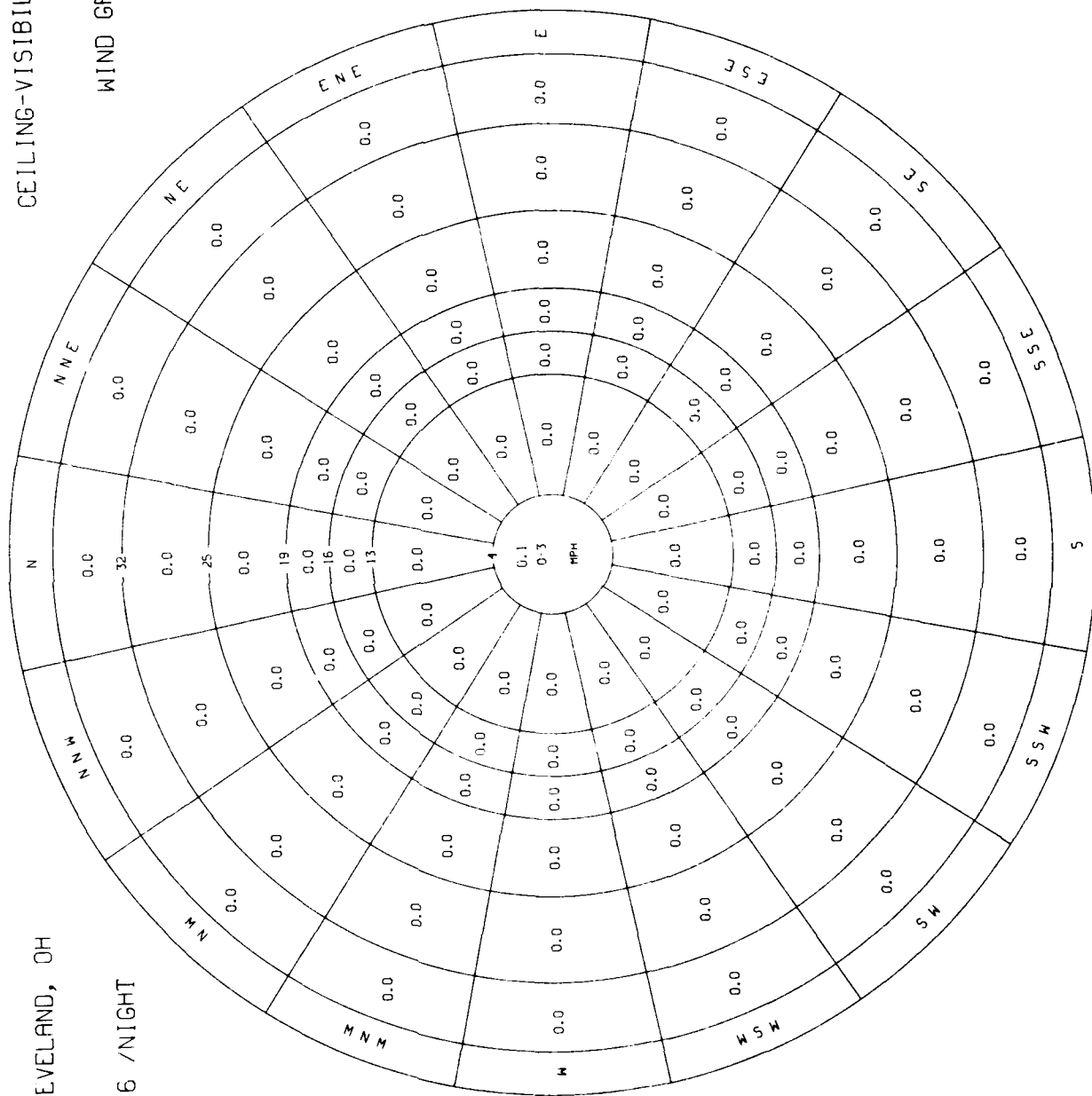
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	10.8	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0 12.5
NNE	.0	1.7	.0	4.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.7
NE	.0	.8	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
ENE	.0	.8	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
E	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
SSE	.0	2.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
S	.0	4.2	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 11.7
SSW	.0	.8	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.5
SW	.0	1.7	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 10.6
WSW	.0	.0	.0	4.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 10.0
W	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.7
WNW	.0	.0	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.8	.0	.0	.0 4.2
NW	.0	1.7	.0	5.0	.0	1.7	.0	.0	.0	.0	.0	.8	.0	.0	.0 5.8
NNW	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.2
CALM	.0	5.8													.0 5.8
TOTAL	.1	21.7	.1	60.8	.0	6.7	.0	1.7	.0	1.7	.0	2.5	.0	5.0	.2 100
															9.3

CEILING-VISIBILITY

WIND GRAPH

CLE CLEVELAND, OH

CLASS 6 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLE CLEVELAND, OH

PERIOD: 1948-1978

CLASS 6 / NIGHT

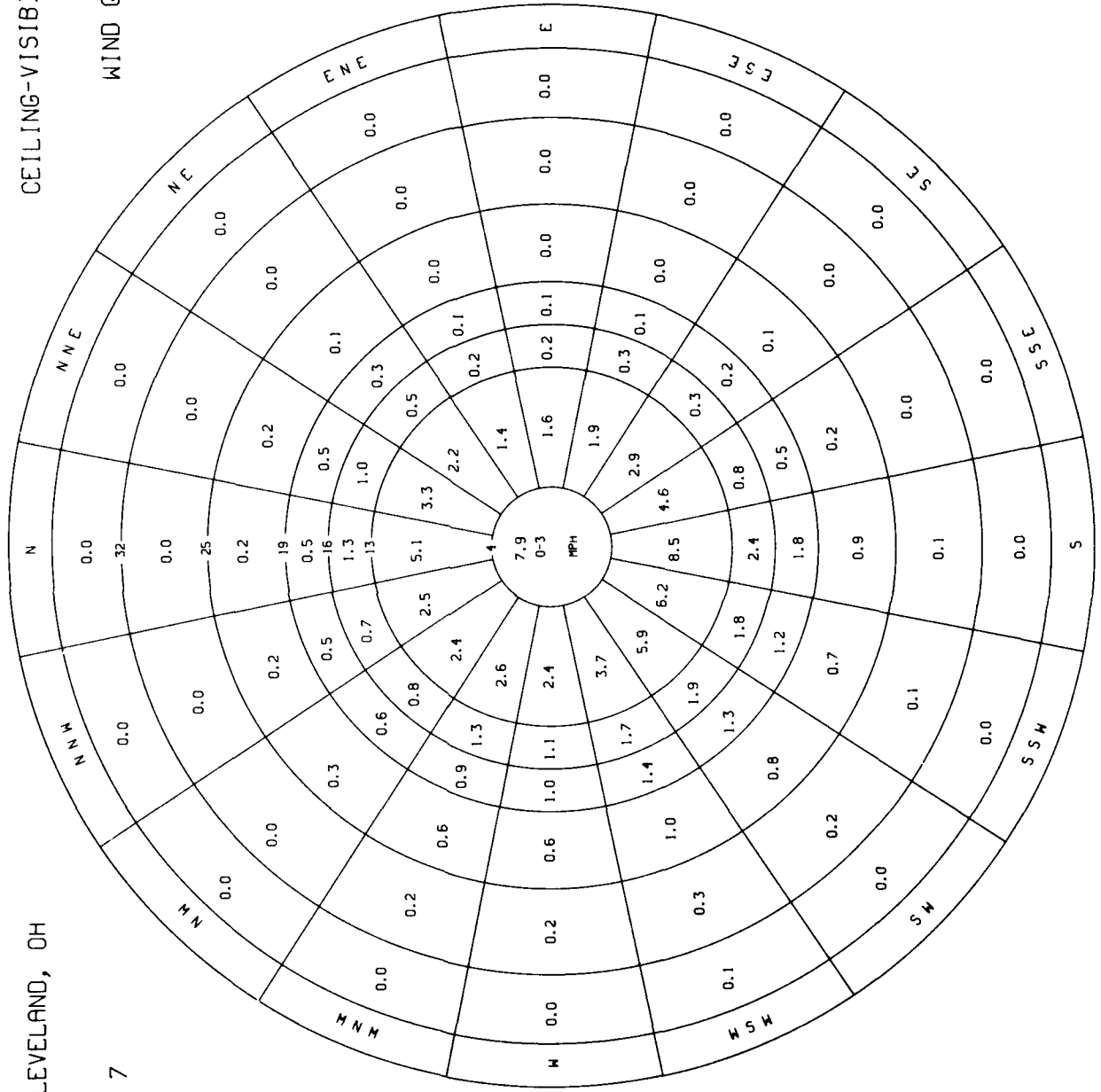
STATION NUMBER: 14820

NO. OBS.: 166

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	9.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0 10.2
NNE	.0	.0	.0	3.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
N	.0	.0	.0	4.2	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0 5.4
ENE	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 6
E	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
ESE	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
SE	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SSE	.0	2.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.2
S	.0	3.0	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 10.2
SSW	.0	.0	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.8
SW	.0	2.4	.0	9.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.6	.1 12.7
WSW	.0	.0	.0	2.4	.0	.6	.0	.0	.0	.0	.0	1.2	.0	.0	.0 4.2
W	.0	.6	.0	1.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
WNW	.0	.0	.0	4.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
NW	.0	1.8	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0 7.8
NNW	.0	.6	.0	5.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
CALM	.0	10.2													.0 10.2
TOTAL	1	24.1	3	65.1	.0	6.6	.0	.6	.0	.6	.0	2.4	.0	.6	.4 100
															7.1

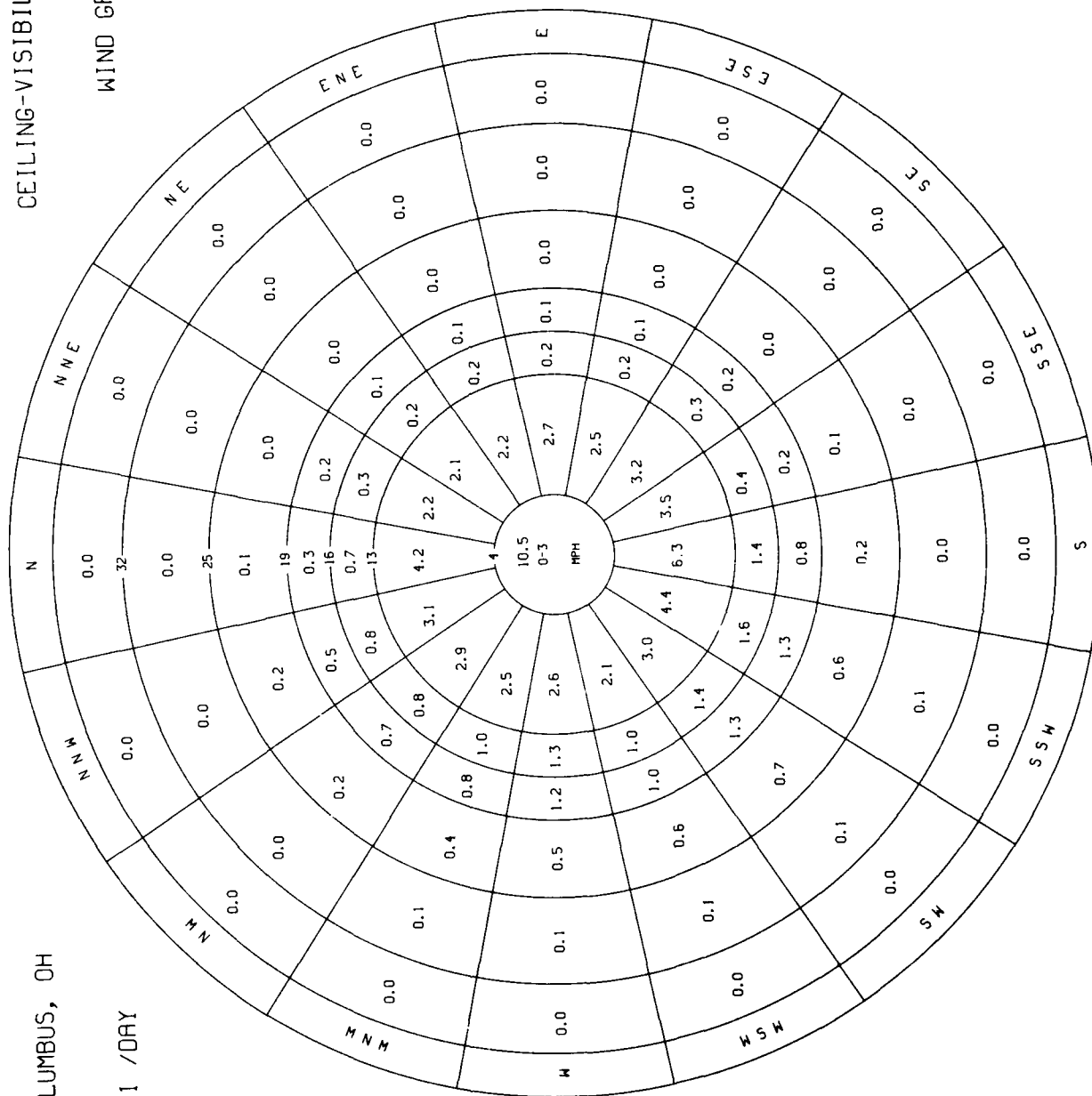
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CMH COLUMBUS, OH

CLASS 1 / DAY

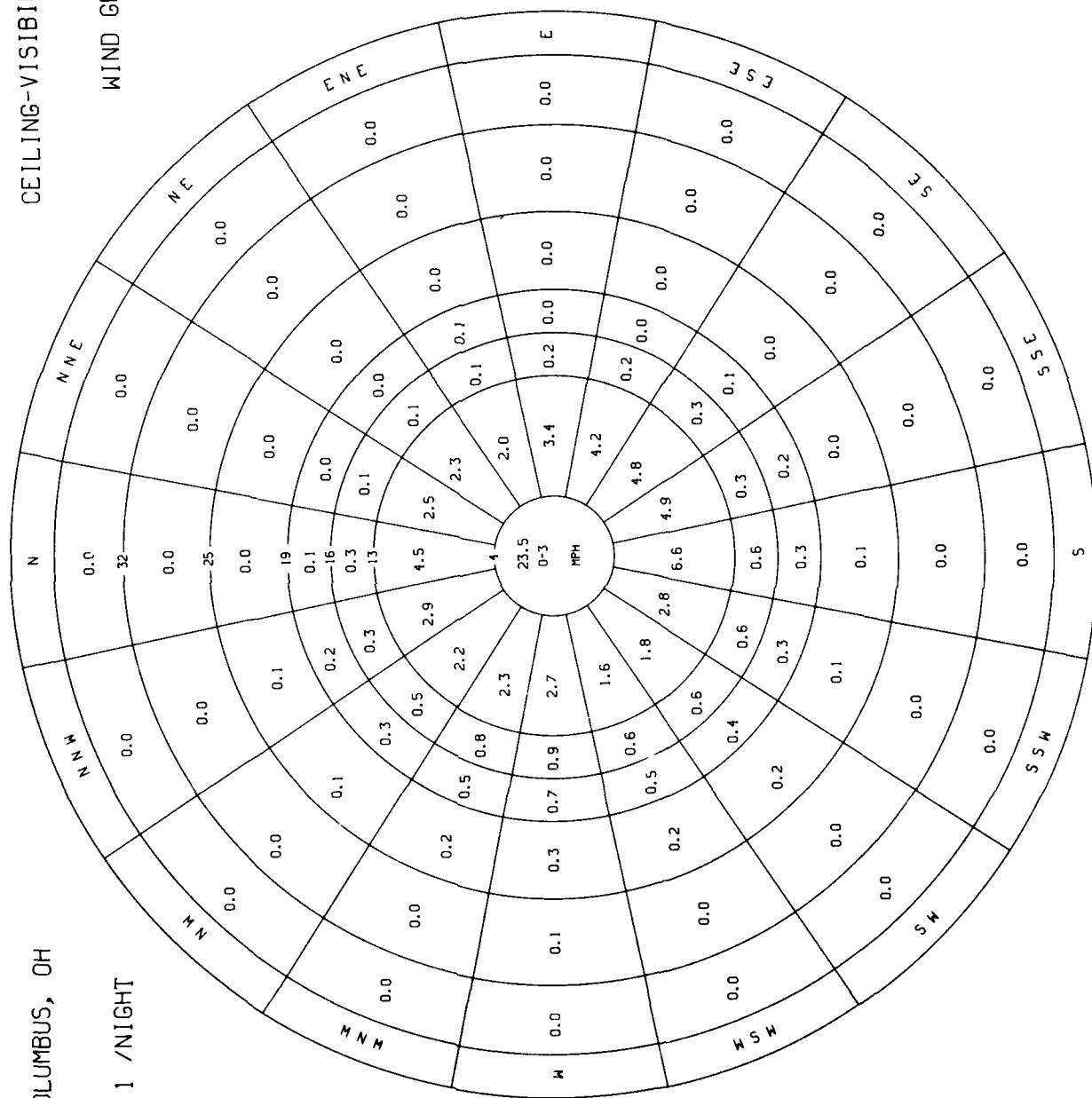
NO. OBS.: 42548

STATION NUMBER: 14821

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	.7	4.2	4.9	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	5.9	6.9	8.8
NNE	.4	.5	2.2	2.5	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	3.1	3.6	8.4
NE	.5	.6	2.1	2.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.4	7.6
ENE	.4	.5	2.2	2.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.3	7.7
E	.6	.7	2.7	3.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.6	4.2	7.5
ESE	.4	.5	2.5	3.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.8	7.8
SE	.9	1.0	3.2	3.8	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	4.6	5.5	7.7
SSE	.6	.7	3.5	4.1	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.8	5.6	8.4
S	.7	.8	6.3	7.4	1.4	1.7	.8	.9	.2	.3	.0	.0	.0	.0	9.5	11.1	9.9
SSW	.4	.4	4.4	5.2	1.6	1.9	1.3	1.5	.6	.7	.1	.1	.0	.0	8.3	9.8	11.9
SW	.3	.4	3.0	3.6	1.4	1.7	1.3	1.5	.7	.8	.1	.1	.0	.0	6.9	8.1	12.8
WSW	.2	.2	2.1	2.4	1.0	1.2	1.0	1.2	.6	.7	.1	.1	.0	.0	5.1	6.0	13.3
W	.2	.3	2.6	3.1	1.3	1.5	1.2	1.4	.5	.6	.1	.1	.0	.0	6.0	7.0	12.8
WNW	.3	.3	2.5	3.0	1.0	1.2	.8	1.0	.4	.4	.1	.1	.0	.0	5.1	6.0	11.9
NW	.6	.7	2.9	3.4	.8	1.0	.7	.8	.2	.3	.0	.0	.0	.0	5.3	6.2	10.6
NNW	.5	.6	3.1	3.7	.8	.9	.5	.6	.2	.2	.0	.0	.0	.0	5.1	6.0	9.9
CALM	3.0	3.5													3.0	3.5	
TOTAL	10.5	12.4	49.6	58.3	12.1	14.2	8.7	10.2	3.6	4.2	.6	.7	.1	.1	85.1	100	9.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CMH COLUMBUS, OH

CLASS 1 / NIGHT

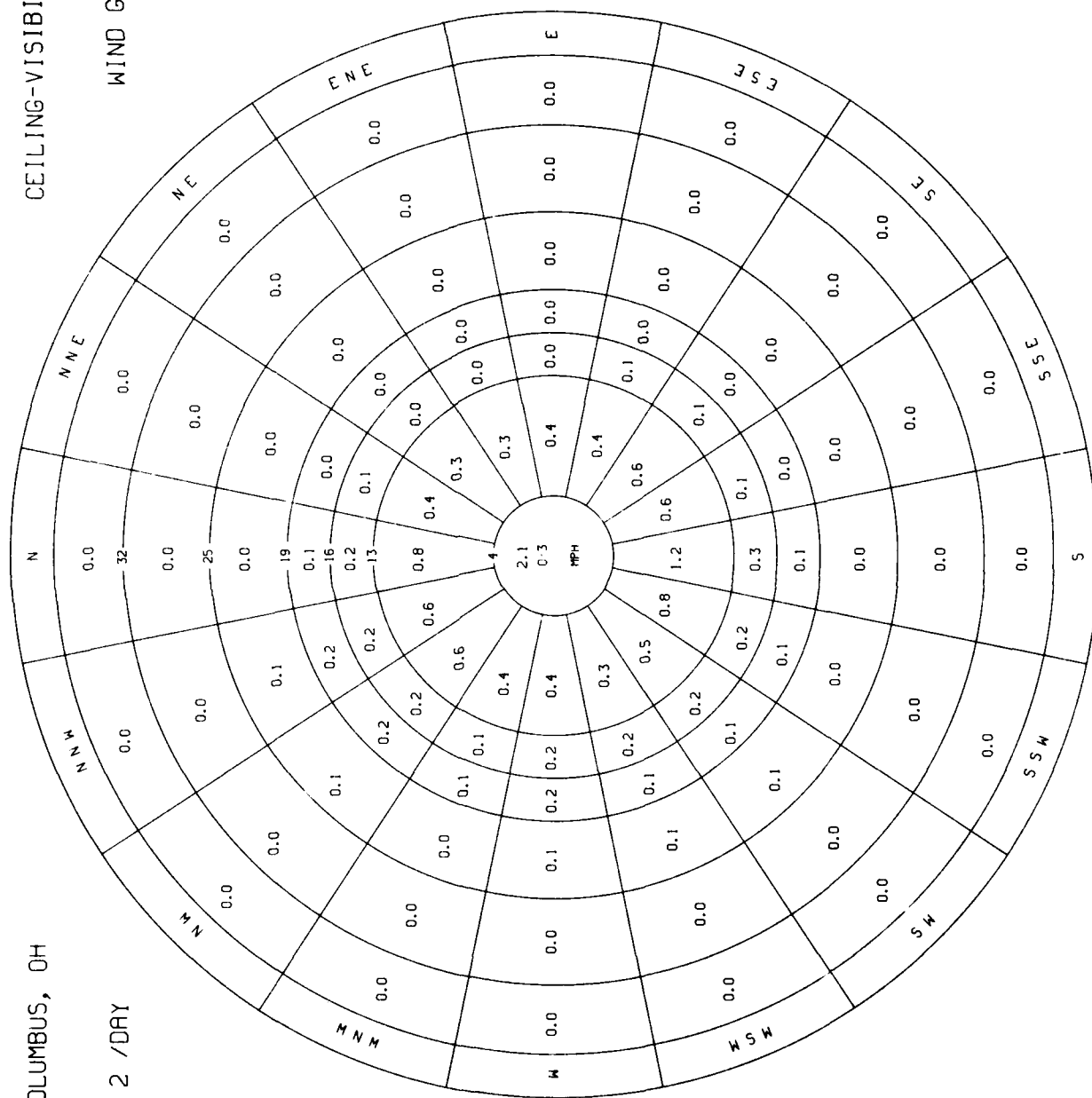
NO. OBS.: 35270

STATION NUMBER: 14821

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	1.4	1.7	4.5	5.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.4	7.3	6.4
NNE	1.0	1.2	2.5	2.8	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	3.7	4.2	6.1
NE	1.1	1.2	2.3	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.0	6.0
ENE	1.0	1.1	2.0	2.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.6	6.1
E	1.6	1.9	3.4	3.9	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	5.2	6.0	5.9
ESE	1.1	1.3	4.2	4.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.6	6.4	6.5
SE	2.1	2.4	4.8	5.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	7.4	8.5	6.6
SSE	1.1	1.3	4.9	5.6	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	6.5	7.5	7.2
S	1.0	1.2	6.6	7.6	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	8.7	10.0	8.0
SSW	.3	.4	2.8	3.2	.6	.7	.3	.3	.1	.2	.0	.0	.0	.0	4.1	4.8	9.8
SW	.3	.3	1.8	2.0	.6	.6	.4	.4	.2	.2	.0	.0	.0	.0	3.1	3.6	10.8
WSW	.2	.2	1.6	1.8	.6	.7	.5	.6	.2	.3	.0	.0	.0	.0	3.1	3.6	12.1
W	.2	.3	2.7	3.1	.9	1.0	.7	.8	.3	.4	.1	.1	.0	.0	4.9	5.6	11.6
WNW	.3	.3	2.3	2.7	.8	.9	.5	.6	.2	.2	.0	.0	.0	.0	4.1	4.7	11.0
NW	.9	1.1	2.2	2.6	.5	.6	.3	.4	.1	.2	.0	.0	.0	.0	4.1	4.7	8.8
NNW	1.0	1.2	2.9	3.4	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.5	5.2	7.5
CALM	8.8	10.2													8.8	10.2	
TOTAL	23.5	27.1	51.5	59.2	6.4	7.4	3.8	4.4	1.5	1.7	.2	.2	.0	.0	86.9	100	7.1

CMH COLUMBUS, OH

CLASS 2 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 2 / DAY

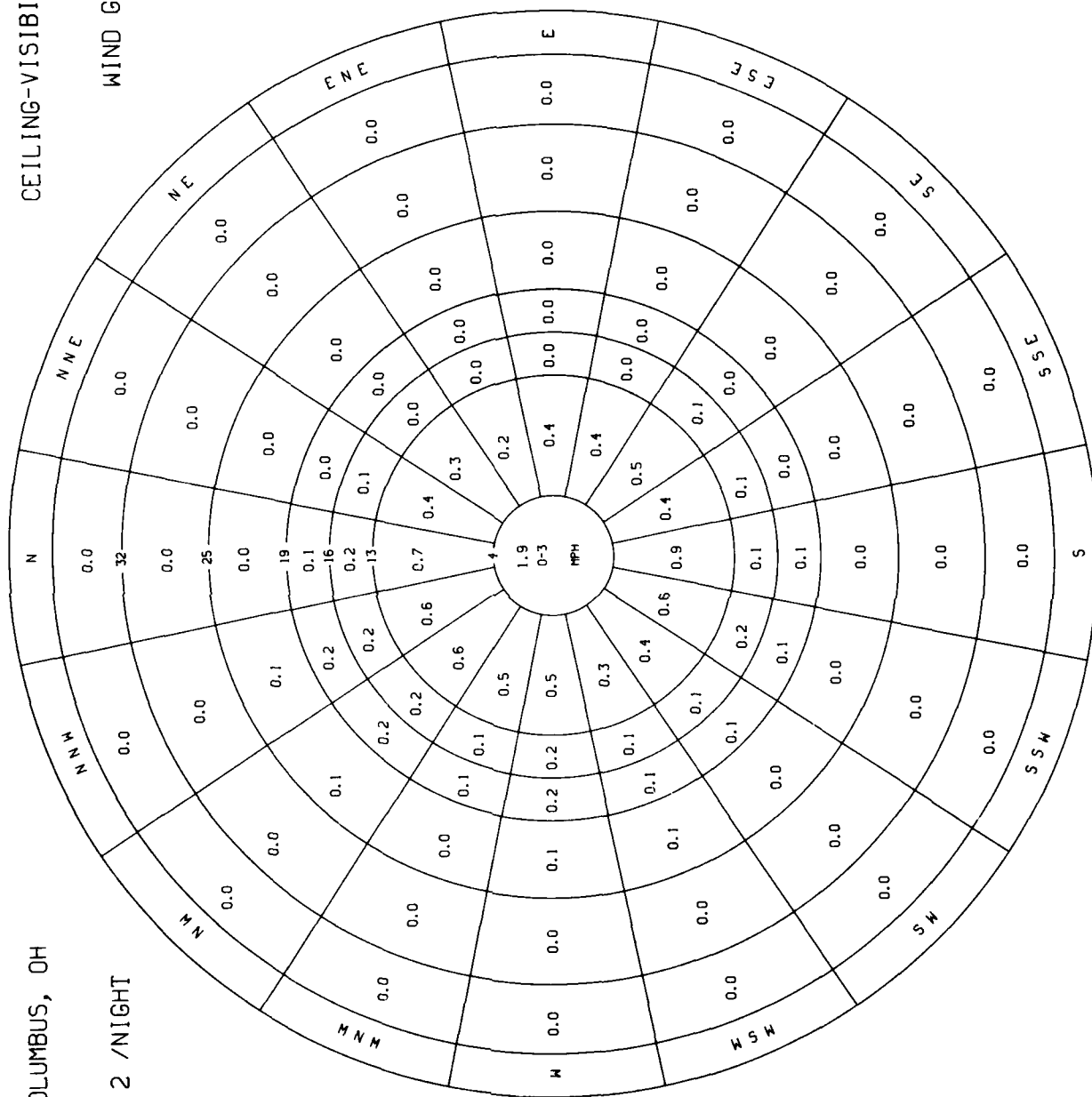
STATION NUMBER: 14821

NO. OBS.: 7453

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	.7	.8	5.3	.2	1.3	.1	.8	.0	.2	.0	.0	.0	.0	1.2	8.3	9.7
NNE	.1	.4	.4	2.4	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.3	8.5
NE	.1	.5	.3	2.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.9	8.1
ENE	.1	.4	.3	2.1	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.0	8.3
E	.1	.8	.4	2.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6	4.1	7.2
ESE	.1	.4	.4	2.9	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.6	4.1	8.6
SE	.2	1.2	.6	4.2	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.9	6.2	7.9
SSE	.1	.9	.6	3.7	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.8	5.2	7.9
S	.2	1.0	1.2	8.3	.3	1.9	.1	.9	.0	.2	.0	.0	.0	.0	1.8	12.3	9.4
SSW	.1	.5	.8	5.7	.2	1.1	.1	.8	.0	.3	.0	.1	.0	.0	1.3	8.4	10.4
SW	.1	.5	.5	3.4	.2	1.1	.1	.8	.1	.3	.0	.1	.0	.0	.9	6.2	11.2
WSW	.0	.3	.3	2.2	.2	1.1	.1	.9	.1	.4	.0	.1	.0	.0	.7	5.0	12.9
W	.0	.2	.4	2.6	.2	1.2	.2	1.1	.1	.5	.0	.1	.0	.0	.9	5.8	12.6
WNW	.0	.3	.4	2.6	.1	1.0	.1	1.0	.0	.3	.0	.1	.0	.0	.8	5.2	12.0
NW	.1	.6	.6	3.8	.2	1.1	.2	1.1	.1	.5	.0	.1	.0	.0	1.1	7.2	11.5
NNW	.1	.6	.6	4.2	.2	1.4	.2	1.2	.1	.4	.0	.1	.0	.0	1.2	7.8	11.2
CALM	.7	4.9													.7	4.9	
TOTAL	2.1	14.2	8.7	58.2	2.1	13.9	1.4	9.6	.5	3.4	.1	.7	.0	.1	14.9	100	9.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

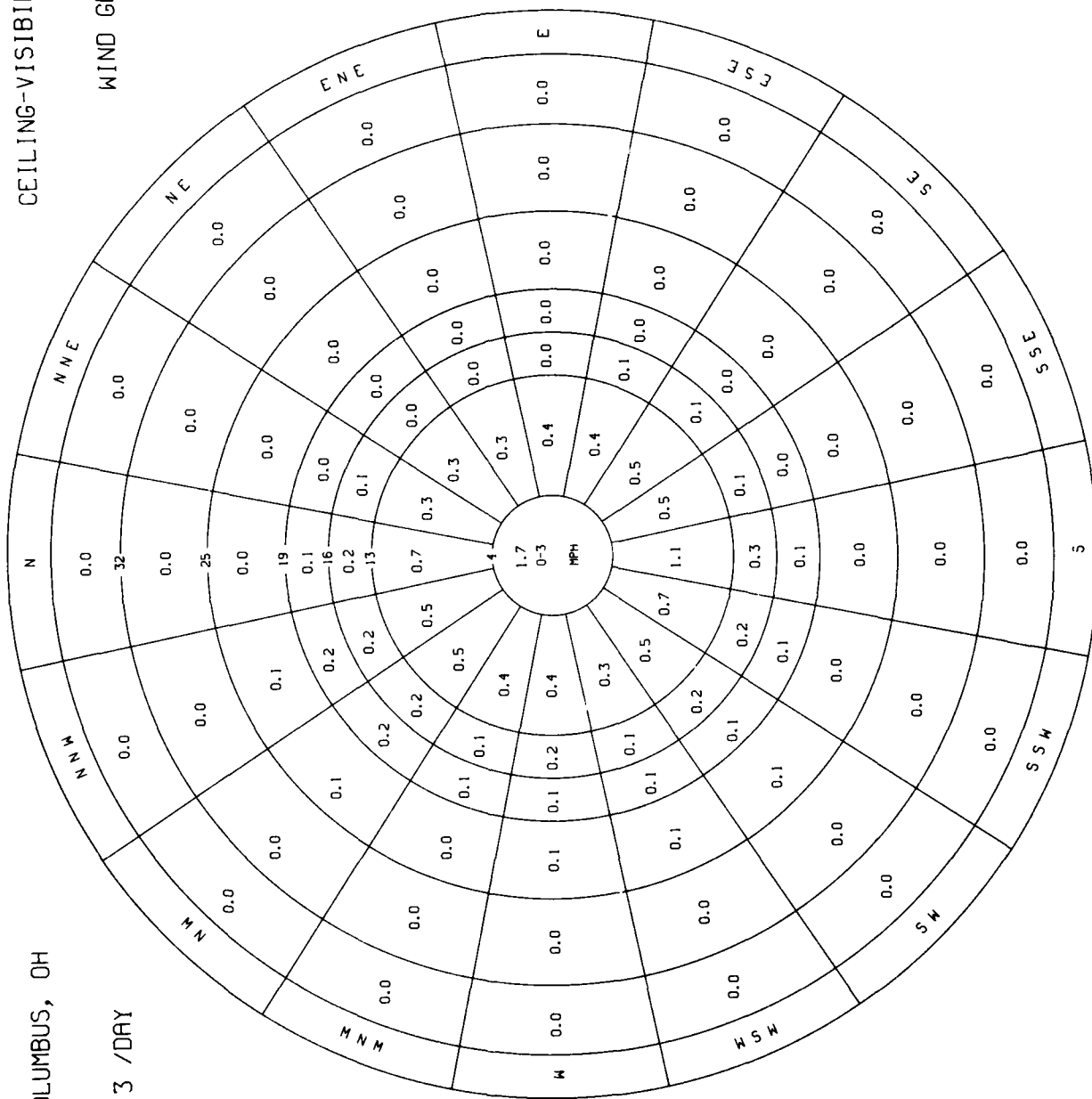
CLASS 2 / NIGHT

STATION NUMBER: 14821

NO. OBS.: 5310

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	.8	.7	5.5	.2	1.3	.1	.9	.0	.2	.0	.0	.0	.0	1.1	8.7	9.6
NNE	.1	.5	.4	2.8	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5	4.1	8.7
NE	.1	.5	.3	1.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.9	7.9
ENE	.1	.5	.2	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.5	7.3
E	.1	.9	.4	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.7	6.8
ESE	.0	.4	.4	2.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.5	7.7
SE	.1	1.1	.5	3.8	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.8	5.9	8.0
SSE	.1	.7	.4	3.3	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.7	5.0	8.5
S	.1	1.1	.9	6.5	.1	.8	.1	.6	.0	.1	.0	.0	.0	.0	1.2	9.1	8.6
SSW	.1	.6	.6	4.7	.2	1.1	.1	.7	.0	.2	.0	.0	.0	.0	1.0	7.5	10.1
SW	.0	.3	.4	3.1	.1	1.1	.1	.7	.0	.3	.0	.1	.0	.0	.7	5.6	11.4
WSW	.0	.1	.3	2.5	.1	.8	.1	1.1	.1	.5	.0	.2	.0	.0	.7	5.2	13.3
W	.0	.3	.5	3.5	.2	.3	.2	1.3	.1	.4	.0	.1	.0	.0	.9	6.8	11.9
WNW	.0	.2	.5	3.5	.1	1.1	.1	1.1	.0	.3	.0	.0	.0	.0	.8	6.3	11.8
NW	.1	.7	.6	4.6	.2	1.6	.2	1.1	.1	.5	.0	.0	.0	.0	1.1	8.6	11.2
NNW	.1	.6	.6	4.9	.2	1.8	.2	1.4	.1	.5	.0	.0	.0	.0	1.2	9.3	11.3
CALM	.7	5.2													.7	5.2	
TOTAL	1.9	14.6	7.6	57.9	1.8	13.7	1.3	10.1	.4	3.2	.1	.5	.0	.1	13.1	100	9.5

CEILING-VISIBILITY WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 3 / DAY

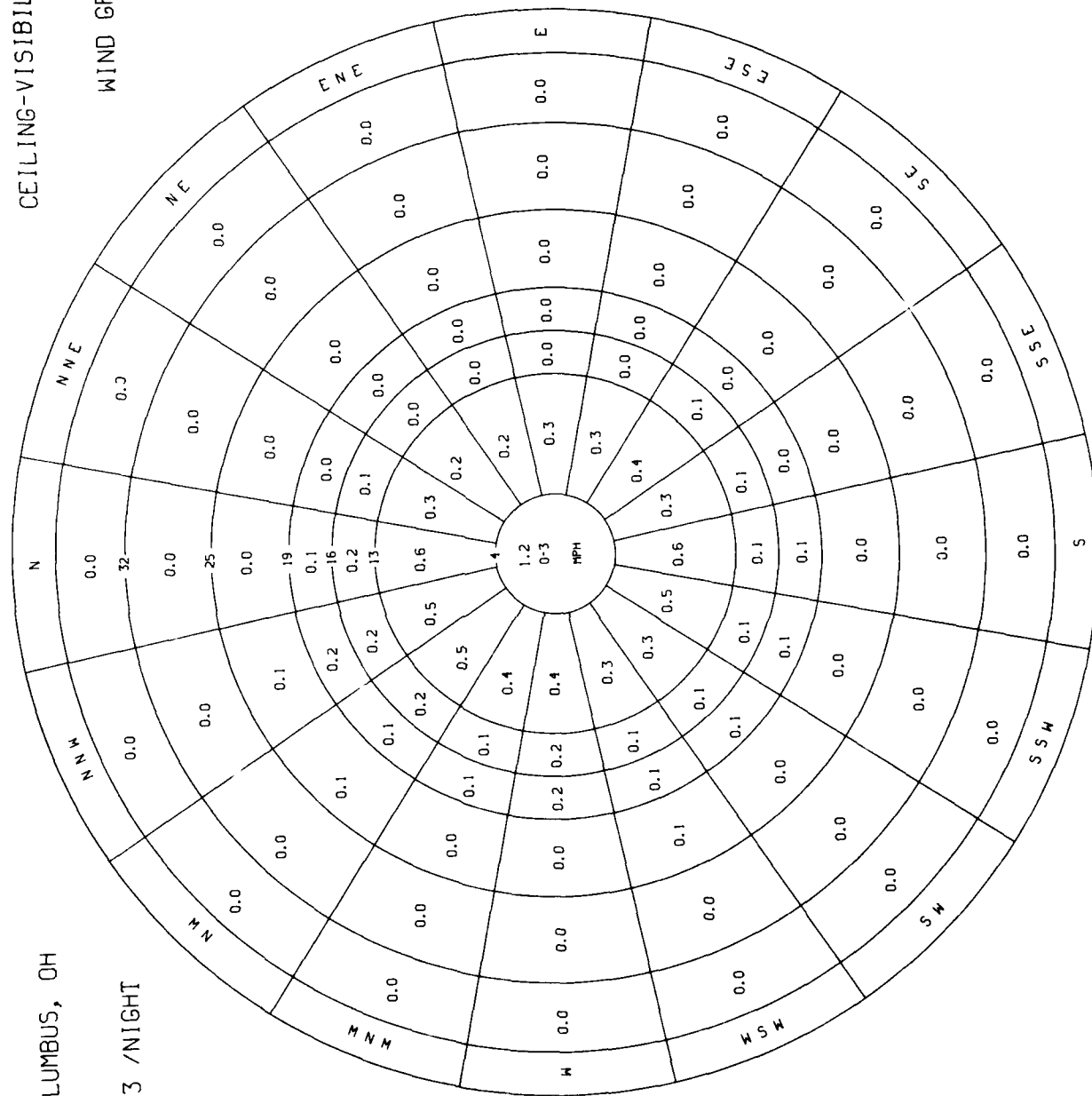
STATION NUMBER: 14821

NO. OBS.: 6598

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	.7	5.3	.2	1.3	.1	.9	.0	.2	.0	.0	.0	.0	1.1 8.4
NNE	.0	.3	.3	2.3	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.2
NE	.1	.5	.3	2.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.0
ENE	.1	.4	.3	2.2	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4 3.2
E	.1	.7	.4	2.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 4.0
ESE	.1	.4	.4	2.9	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.5 4.1
SE	.1	1.1	.5	4.0	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.8 6.0
SSE	.1	.8	.5	3.5	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.1
S	.1	1.0	1.1	8.1	.3	2.0	.1	.9	.0	.2	.0	.0	.0	.0	1.6 12.4
SSW	.1	.4	.7	5.6	.2	1.2	.1	.9	.0	.3	.0	.0	.0	.0	1.1 8.4
SW	.0	.4	.5	3.4	.2	1.2	.1	.9	.1	.4	.0	.0	.0	.0	.8 6.4
WSW	.0	.3	.3	2.3	.1	1.1	.1	1.0	.1	.5	.0	.1	.0	.0	.7 5.3
W	.0	.2	.4	2.8	.2	1.3	.1	1.1	.1	.5	.0	.2	.0	.0	.8 6.2
WNW	.0	.3	.4	2.7	.1	1.1	.1	1.0	.0	.3	.0	.1	.0	.0	.7 5.5
NW	.1	.6	.5	3.8	.2	1.2	.2	1.2	.1	.5	.0	.1	.0	.0	1.0 7.4
NNW	.1	.5	.5	4.0	.2	1.4	.2	1.2	.1	.4	.0	.1	.0	.0	1.0 7.7
CALM	.5	4.0													.5 4.0
TOTAL	1.7	12.6	7.7	58.1	1.9	14.7	1.3	10.2	.5	3.6	.1	.6	.0	.1	13.2 100
															9.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14821

NO. OBS.: 4462

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	.7	.6	5.4	.2	1.5	.1	1.0	.0	.2	.0	.0	.0	.0	.0	1.0	8.8	10.0
NNE	.1	.5	.3	2.9	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.5	4.3	9.0
NE	.0	.4	.2	2.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	3.0	8.2
ENE	.1	.6	.2	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.6	7.3
E	.1	.7	.3	2.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.8	7.1
ESE	.0	.3	.3	3.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	3.7	7.9
SE	.1	.7	.4	3.5	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.6	5.2	8.6
SSE	.0	.4	.3	2.8	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.5	4.2	9.2
S	.1	.8	.6	5.5	.1	.8	.1	.7	.0	.1	.0	.0	.0	.0	.0	.9	8.0	9.2
SSW	.1	.5	.5	4.5	.1	1.2	.1	.8	.0	.3	.0	.0	.0	.0	.0	.8	7.3	10.5
SW	.0	.2	.3	3.1	.1	1.3	.1	.8	.0	.3	.0	.1	.0	.0	.0	.6	5.8	11.8
WSW	.0	.1	.3	2.7	.1	1.0	.1	1.3	.1	.6	.0	.2	.0	.0	.0	.6	5.8	13.3
W	.0	.2	.4	3.9	.2	1.5	.2	1.5	.0	.4	.0	.1	.0	.0	.0	.8	7.7	12.0
WNW	.0	.2	.4	3.9	.1	1.3	.1	1.3	.0	.4	.0	.0	.0	.0	.0	.8	7.1	12.0
NW	.1	.5	.5	4.9	.2	1.9	.1	1.3	.1	.6	.0	.0	.0	.0	.0	1.0	9.2	11.6
NNW	.1	.5	.5	4.9	.2	2.0	.2	1.6	.1	.5	.0	.0	.0	.0	.0	1.1	9.7	11.6
CALM	.4	3.8														.4	3.8	
TOTAL	1.2	11.3	6.3	57.7	1.7	15.3	1.3	11.5	.4	3.6	.1	.5	.0	.0	.0	11.0	100	10.0

AD-A108 161

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

JUN 81

DOT-FA79WAI-057

NL

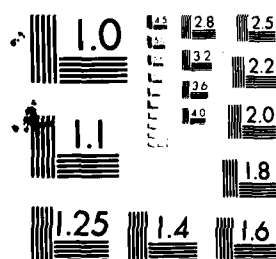
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3.5

3 OF 5

AD-A

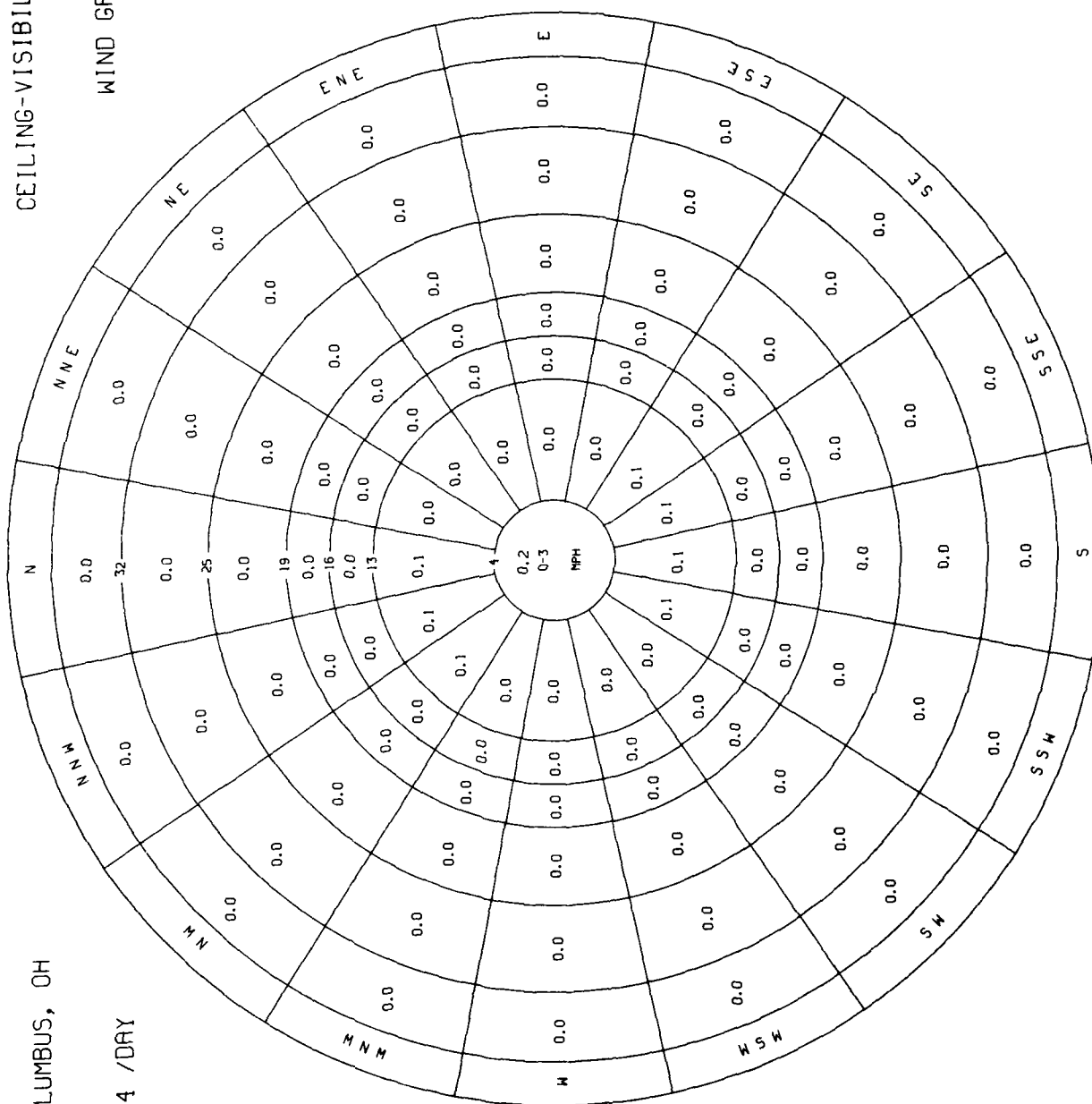
108161



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

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 4 / DAY

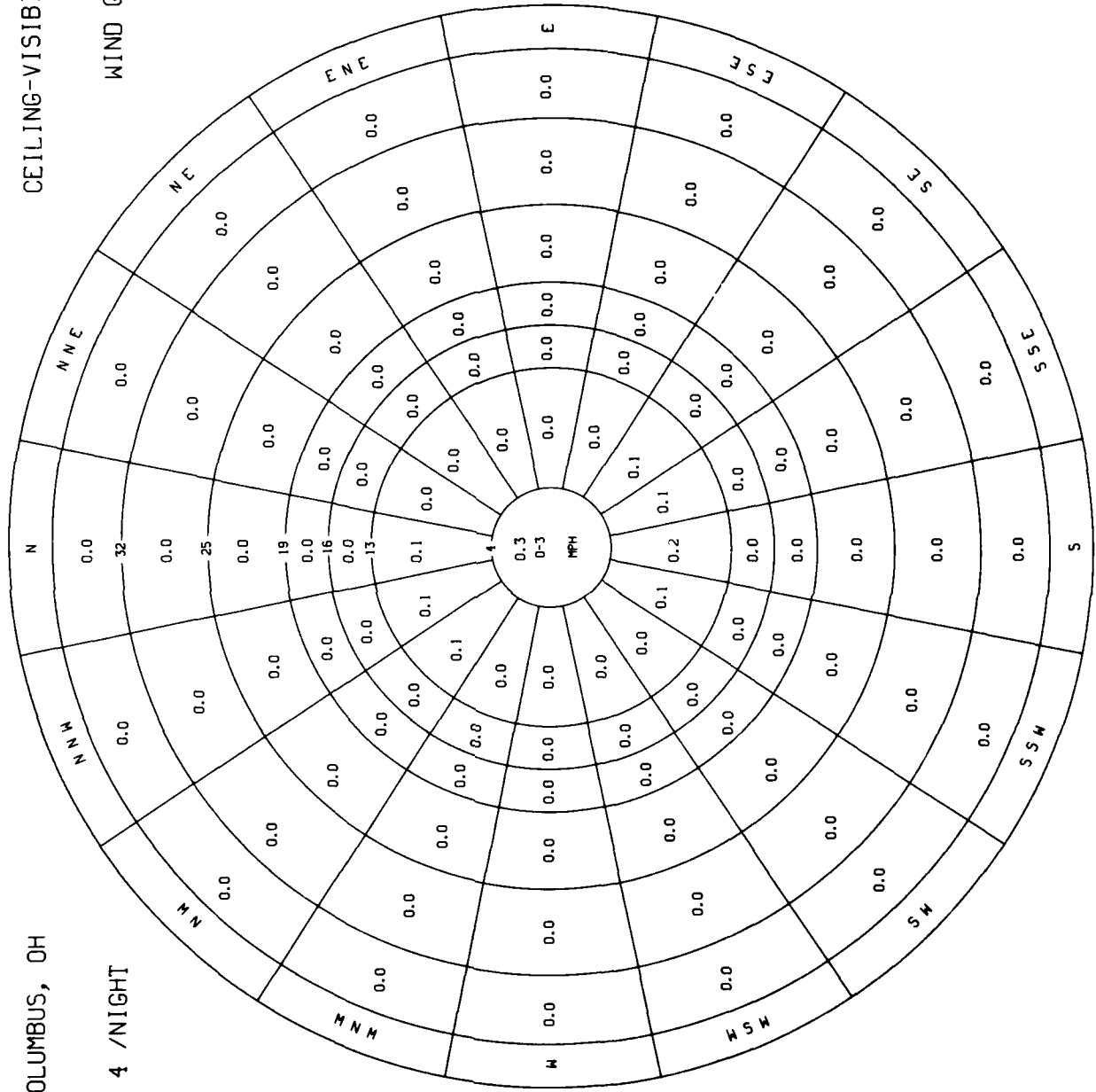
STATION NUMBER: 14821

NO. OBS.: 581

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	5.9	.0	1.4	.0	.3	.0	.3	.0	.0	.0	.0	.1	8.8
NNE	.0	1.0	.0	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6
NE	.0	.5	.0	1.2	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.4
ENE	.0	.5	.0	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4
E	.0	1.2	.0	4.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	5.7
ESE	.0	.5	.0	2.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.1
SE	.0	1.9	.1	5.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.4
SSE	.0	.9	.1	5.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.2
S	.0	.9	.1	8.4	.0	.7	.0	1.0	.0	.2	.0	.0	.0	.0	.1	11.2
SSW	.0	.7	.1	6.5	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	8.6
SW	.0	.5	.0	3.3	.0	.2	.0	.7	.0	.0	.0	.2	.0	.0	.1	4.8
WSW	.0	.0	.0	.9	.0	.5	.0	.3	.0	.3	.0	.2	.0	.0	.0	2.2
W	.0	.3	.0	2.1	.0	.2	.0	.7	.0	.3	.0	.0	.0	.0	.0	3.6
WNW	.0	.0	.0	.9	.0	.7	.0	.7	.0	.3	.0	.3	.0	.0	.0	2.9
NW	.0	.5	.1	4.6	.0	.9	.0	.3	.0	.9	.0	.2	.0	.0	.1	7.4
NNW	.0	.9	.1	6.2	.0	1.2	.0	.9	.0	.5	.0	.0	.0	.0	.1	9.6
CALM	.1	6.9													.1	6.9
TOTAL	.2	18.1	.7	62.8	.1	9.1	.1	6.2	.0	2.9	.0	.9	.0	.0	1.2	100
																8.4

CMH COLUMBUS, OH

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 4 / NIGHT

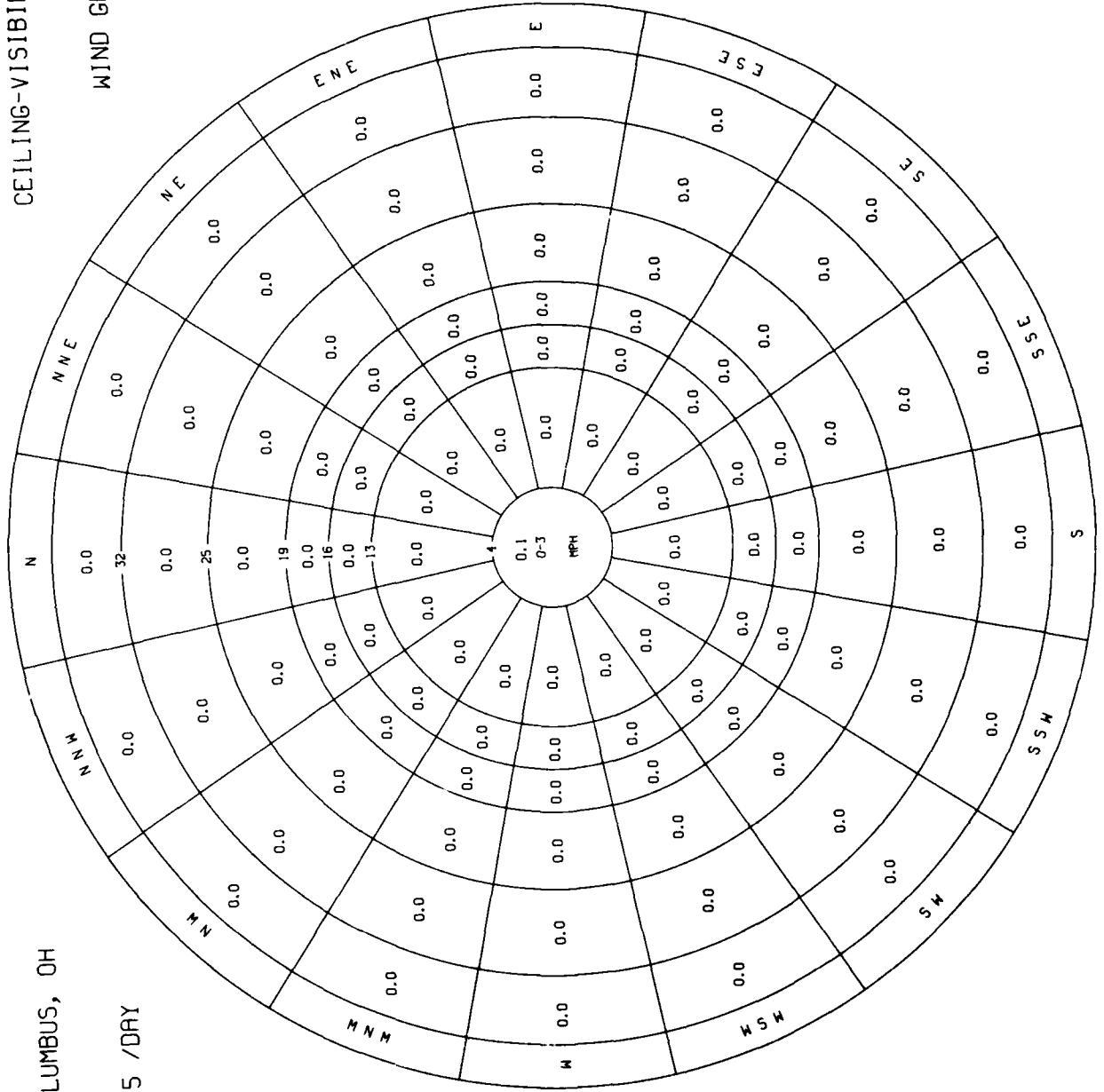
STATION NUMBER: 14821

NO. OBS.: 525

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	1.3	.1	5.7	.0	.4	.0	.6	.0	.2	.0	.0	.0	.0	.1	8.2	8.2
NNE	.0	.6	.0	2.3	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.4	8.1
NE	.0	.2	.0	2.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	8.7
ENE	.0	.2	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.1
E	.0	1.0	.0	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	7.1
ESE	.0	.6	.0	2.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.5
SE	.0	2.5	.1	5.3	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.1	8.8	6.9
SSE	.0	2.3	.1	6.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.1	7.3
S	.0	2.5	.2	11.8	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.2	15.4	7.3
SSW	.0	1.0	.1	7.2	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.1	9.5	8.6
SW	.0	.4	.0	3.4	.0	.6	.0	.4	.0	.2	.0	.0	.0	.0	.1	5.0	9.4
WSW	.0	.0	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	2.3	12.0
W	.0	.6	.0	1.3	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	2.7	11.7
WNW	.0	.4	.0	1.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.7	8.1
NW	.0	.8	.1	5.0	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.1	7.2	9.4
NNW	.0	.8	.1	5.7	.0	1.3	.0	.6	.0	.2	.0	.0	.0	.0	.1	8.6	9.5
CALM	.1	6.1													.1	6.1	
TOTAL	.3	21.0	.9	65.7	.1	7.6	.0	3.6	.0	1.3	.0	.8	.0	.0	.3	100	7.8

CMH COLUMBUS, OH

CLASS 5 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 5 / DAY

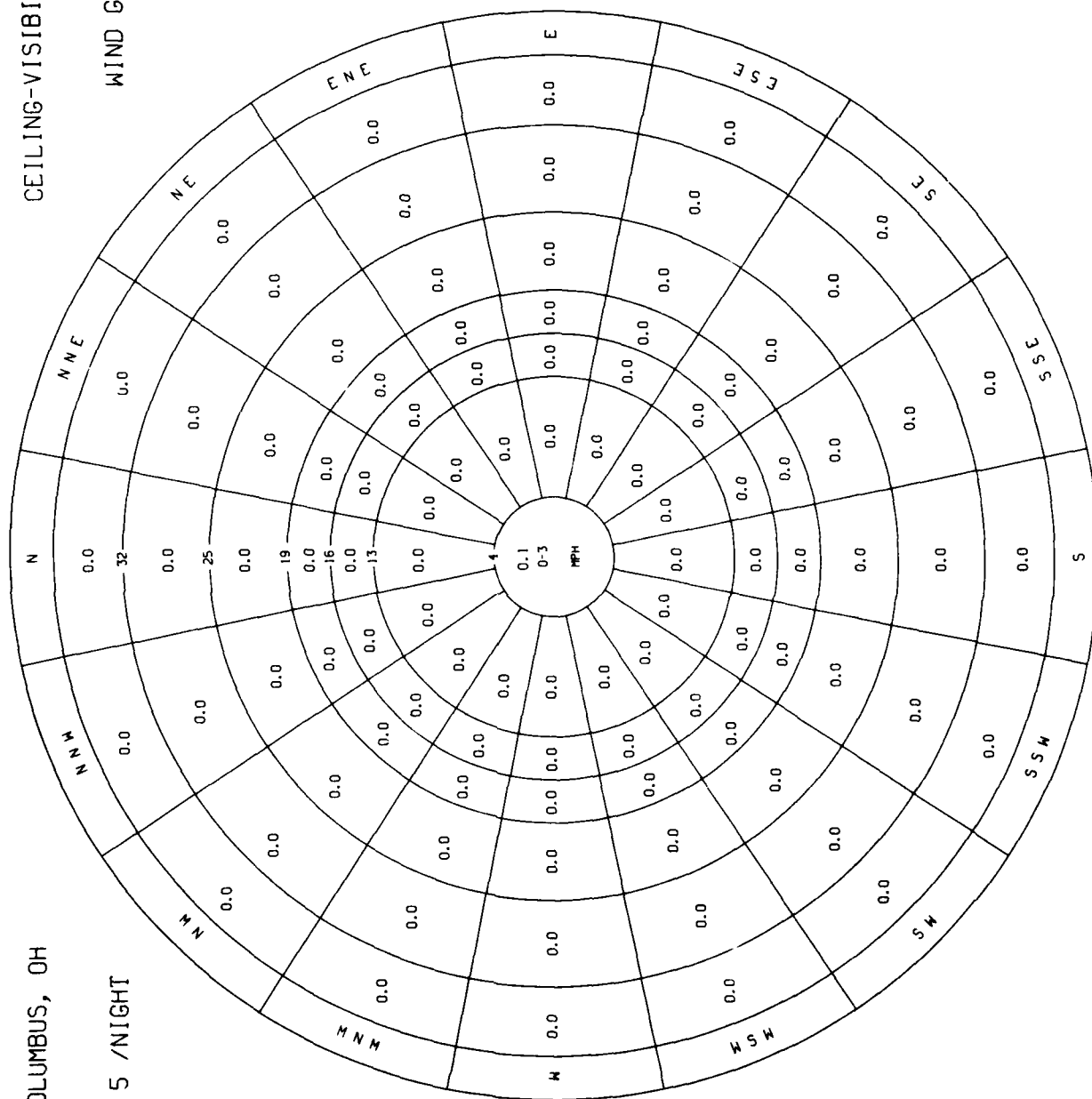
STATION NUMBER: 14821

NO. OBS.: 104

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	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.0
NNE	.0	2.9	.0	2.9	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.4
NE	.0	.0	.0	1.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	11.0
ENE	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	9.0
E	.0	1.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	7.3
ESE	.0	1.0	.0	4.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.7
SE	.0	1.9	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.1
SSE	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	6.8
S	.0	1.9	.0	12.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.4	6.9
SSW	.0	3.8	.0	8.7	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	13.5	7.0
SW	.0	1.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.7
WSW	.0	.0	.0	1.9	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	1.9	.0	5.8	21.0
W	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
WNW	.0	.0	.0	1.9	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	2.9	11.7
NW	.0	1.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.3
NNW	.0	.0	.0	3.8	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.8	8.6
CALM	.0	14.4													.0	14.4	
TOTAL	.1	30.8	.1	55.8	.0	6.7	.0	2.9	.0	.0	.0	1.9	.0	1.9	.2	100	6.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 5 / NIGHT

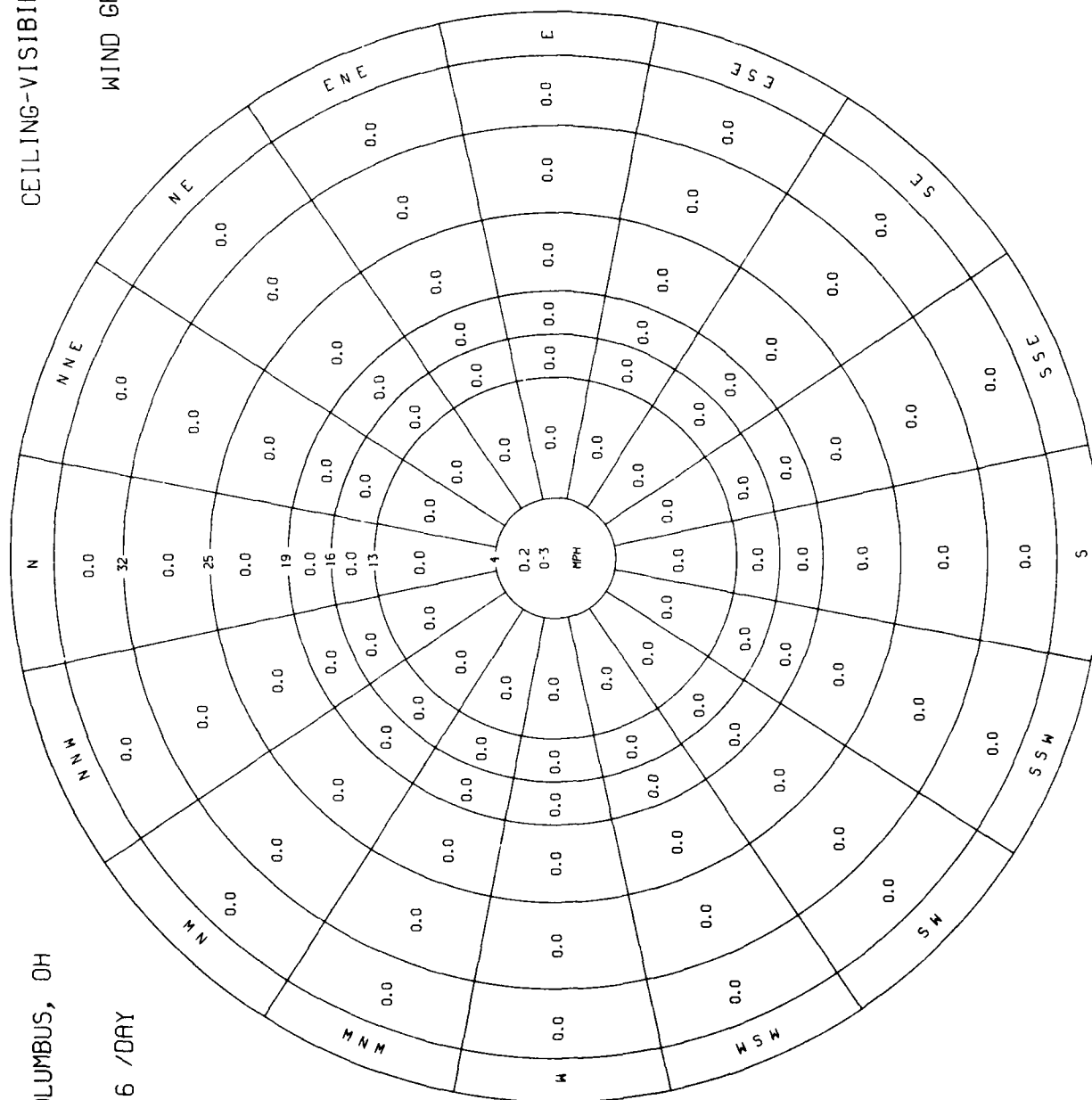
STATION NUMBER: 14821

NO. OBS.: 134

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	5.2	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0 6.7
NNE	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
ENE	.0	.0	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
E	.0	4.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.7
ESE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SE	.0	3.7	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 11.2
SSE	.0	2.2	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.7
S	.0	3.7	.0	13.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 17.2
SSW	.0	3.0	.0	8.2	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0 12.7
SW	.0	2.2	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0 6.0
WSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0 2.2
W	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
WNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0 1.5
NW	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NNW	.0	1.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
CALM	.0	11.9													.0 11.9
TOTAL	.1	35.8	.2	58.2	.0	2.2	.0	1.5	.0	.7	.0	.7	.0	.7	.3 100

CMH COLUMBUS, OH

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 6 / DAY

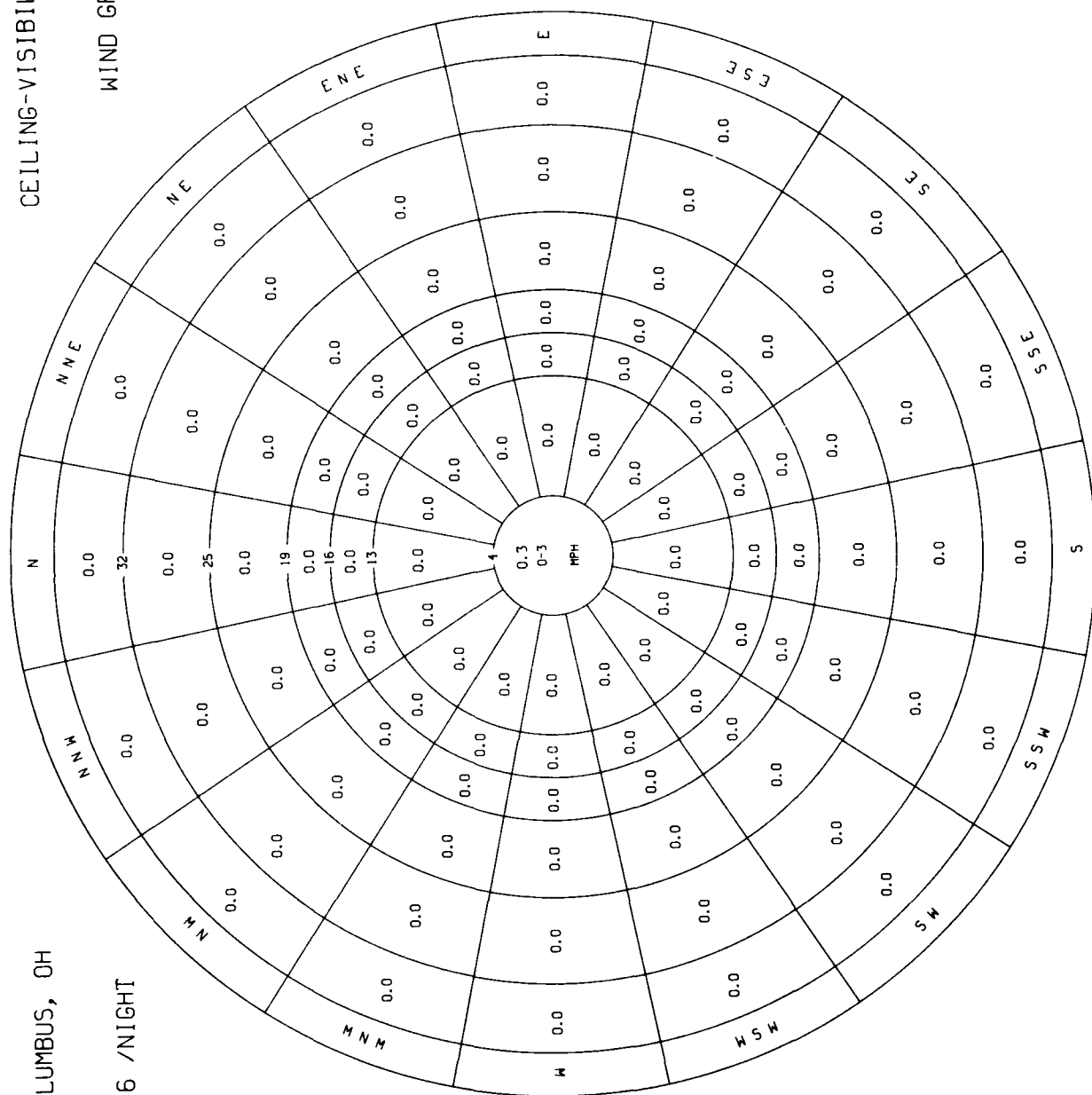
STATION NUMBER: 14821

NO. OBS.: 170

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	2.4	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
NNE	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
NE	.0	1.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ENE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
E	.0	.6	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
ESE	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SE	.0	3.5	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.6
SSE	.0	2.9	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.2
S	.0	1.2	.0	11.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 12.9
SSW	.0	1.8	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
SW	.0	2.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
WSW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WNW	.0	1.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
NW	.0	1.8	.0	2.4	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0 4.7
NNW	.0	3.5	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.2
CALM	.1	25.9													.1 25.9
TOTAL	.2	54.1	.2	44.7	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.3 100
															3.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CMH COLUMBUS, OH

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14821

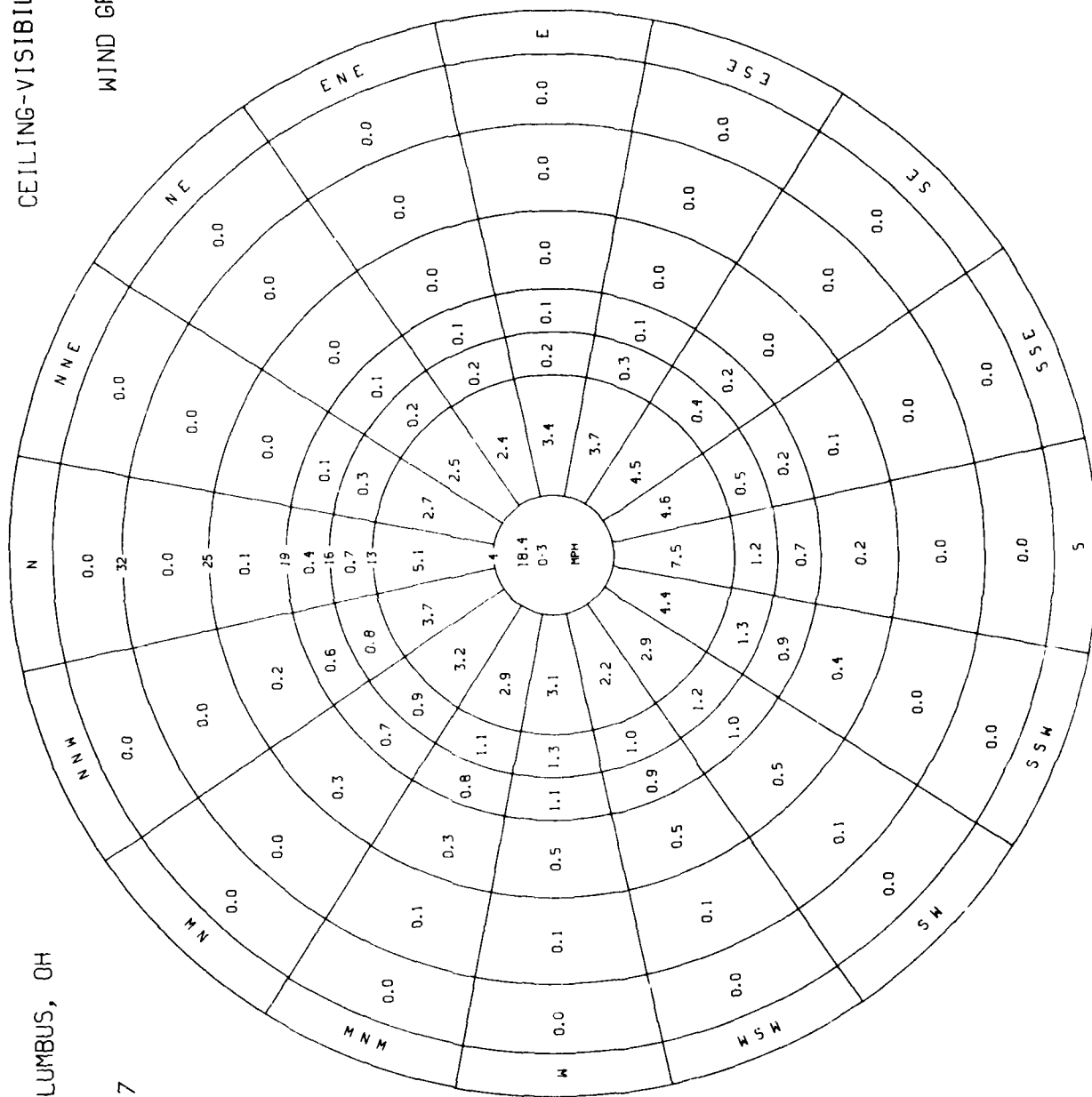
NO. OBS.: 189

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	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8
NNE	.0	1.1	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
NE	.0	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7
ESE	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
SE	.0	4.8	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
SSE	.0	2.6	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9
S	.0	3.2	.0	10.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7
SSW	.0	1.1	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	7.4
SW	.0	1.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
WSW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
WNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
NW	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
NNW	.0	.5	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5
CALM	.2	32.3													
TOTAL	.3	58.7	.2	40.7	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	3.4

CMH COLUMBUS, OH

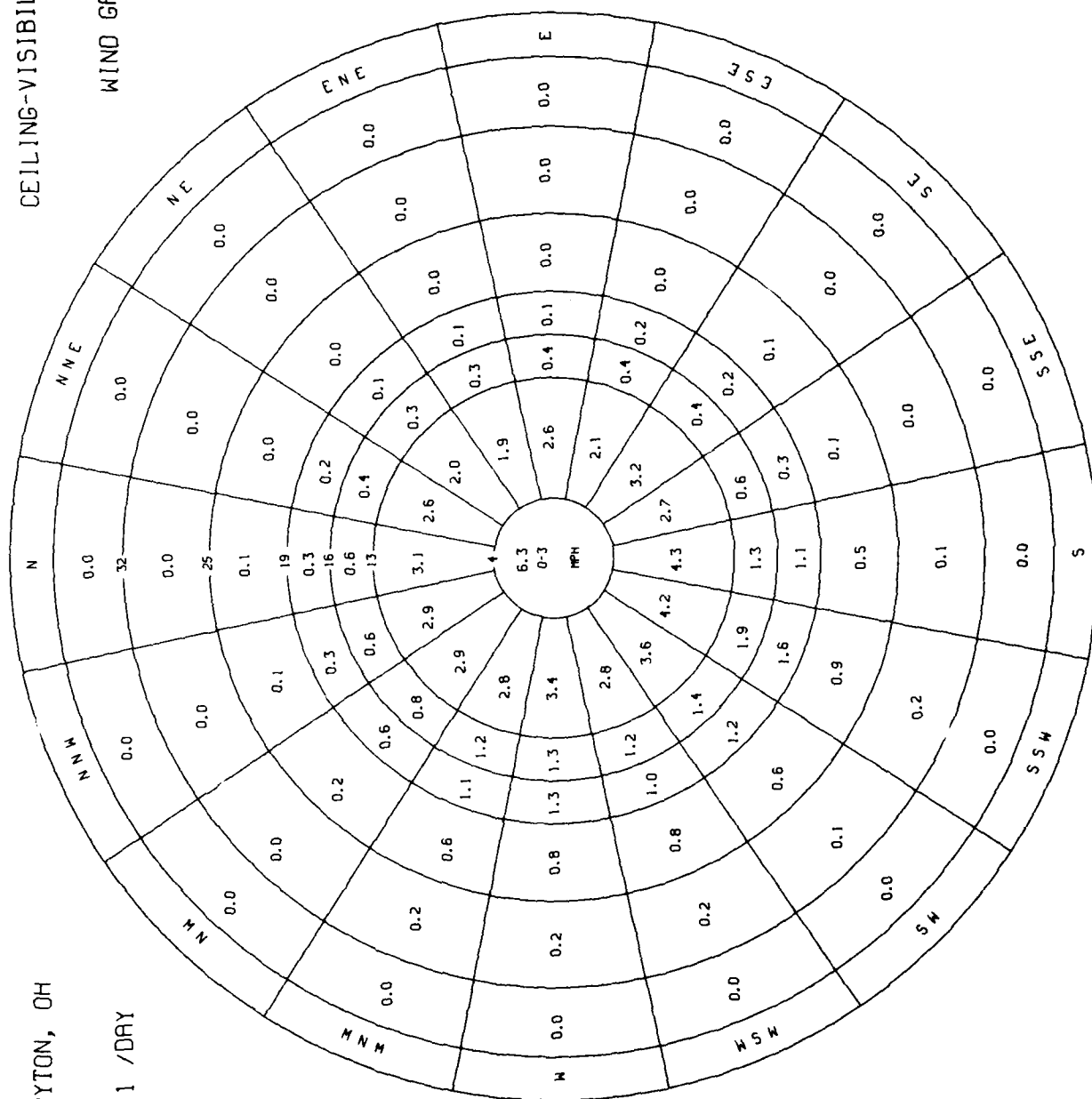
CLASS 7

WIND GRAPH



CEILING-VISIBILITY WIND GRAPH

DAY DAYTON, OH
CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DAY DAYTON, OH

CLASS 1 / DAY

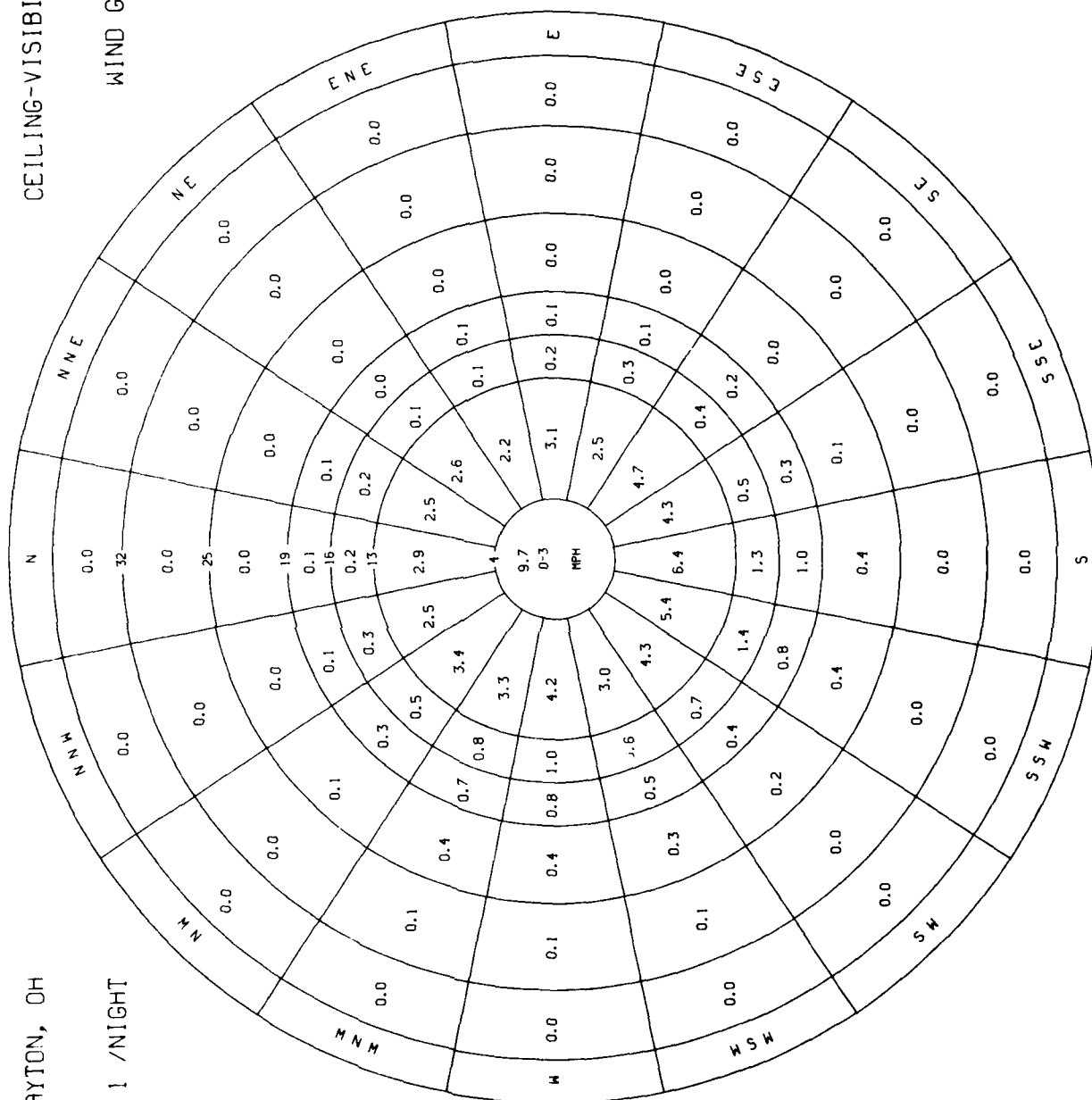
NO. OBS.: 40347

STATION NUMBER: 93815

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	.5	.6	3.1	3.8	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	4.5 5.5 9.0
NNE	.4	.4	2.6	3.2	.4	.5	.2	.3	.0	.1	.0	.0	.0	.0	3.7 4.5 8.9
NE	.3	.4	2.0	2.4	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.7 3.2 8.3
ENE	.3	.4	1.9	2.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.6 3.2 8.6
E	.3	.4	2.6	3.1	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.4 4.2 8.6
ESE	.2	.3	2.1	2.6	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	2.9 3.5 9.1
SE	.3	.4	3.2	3.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.2 5.1 8.9
SSE	.3	.3	2.7	3.3	.6	.8	.3	.4	.1	.2	.0	.0	.0	.0	4.1 4.9 10.0
S	.4	.4	4.3	5.2	1.3	1.6	1.1	1.3	.5	.6	.1	.1	.0	.0	7.7 9.4 11.6
SSW	.2	.3	4.2	5.1	1.9	2.3	1.6	2.0	.9	1.0	.2	.2	.0	.0	9.0 11.0 12.9
SW	.3	.4	3.6	4.3	1.4	1.7	1.2	1.4	.6	.8	.1	.2	.0	.0	7.2 8.8 12.4
WSW	.2	.3	2.8	3.4	1.2	1.5	1.0	1.2	.8	.9	.2	.2	.0	.1	6.2 7.6 13.3
W	.3	.4	3.4	4.2	1.3	1.6	1.3	1.6	.8	1.0	.2	.2	.0	.1	7.3 8.9 12.8
WNW	.3	.3	2.8	3.4	1.2	1.4	1.1	1.3	.6	.8	.2	.3	.0	.0	6.1 7.5 13.0
NW	.4	.5	2.9	3.6	.8	1.0	.6	.8	.2	.3	.0	.0	.0	.0	5.0 6.1 10.7
NNW	.4	.4	2.9	3.5	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	4.2 5.1 9.4
CALM	1.3	1.5													1.3 1.5
TOTAL	6.3	7.7	47.0	57.2	13.0	15.9	9.6	11.7	4.9	6.0	1.1	1.4	.2	.2	82.2 100 10.9

DAY DAYTON, OH

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DAY DAYTON, OH

CLASS 1 / NIGHT

NO. OBS.: 35013

STATION NUMBER: 93815

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	3.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.9	4.6	7.4				
NNE	.5	.6	2.5	3.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.8	7.3				
NE	.5	.6	2.6	3.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.2	3.8	7.1				
ENE	.4	.5	2.2	2.6	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.3	7.4				
E	.4	.5	3.1	3.6	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.8	4.5	7.7				
ESE	.3	.3	2.5	3.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.8	8.4				
SE	.5	.6	4.7	5.5	.4	.5	.2	.2	.0	.1	.0	.0	.0	.0	5.8	6.8	8.2				
SSE	.3	.4	4.3	5.1	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	5.5	6.5	8.9				
S	.4	.5	6.4	7.6	1.3	1.6	1.0	1.2	.4	.4	.0	.1	.0	.0	9.6	11.4	10.4				
SSW	.3	.4	5.4	6.4	1.4	1.7	.8	1.0	.4	.5	.0	.1	.0	.0	8.4	10.0	10.8				
SW	.3	.4	4.3	5.1	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	6.0	7.1	9.8				
WSW	.2	.3	3.0	3.6	.6	.7	.5	.6	.3	.3	.1	.1	.0	.0	4.8	5.6	10.9				
W	.5	.6	4.2	5.0	1.0	1.1	.8	.9	.4	.4	.1	.2	.0	.0	7.0	8.3	10.6				
WNW	.3	.4	3.3	3.9	.8	1.0	.7	.8	.4	.5	.1	.1	.0	.0	5.7	6.7	11.2				
NW	.6	.7	3.4	4.1	.5	.6	.3	.4	.1	.1	.0	.0	.0	.0	5.0	5.9	8.7				
NNW	.5	.6	2.5	3.0	.3	.3	.1	.2	.0	.1	.0	.0	.0	.0	3.5	4.1	8.0				
CALM	3.0	3.5													3.0	3.5					
TOTAL	9.7	11.5	57.4	67.9	8.7	10.3	5.7	6.7	2.4	2.9	.5	.6	.1	.1	84.5	100	9.0				

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAYTON, OH

PERIOD: 1948-1978

CLASS 2 / DAY

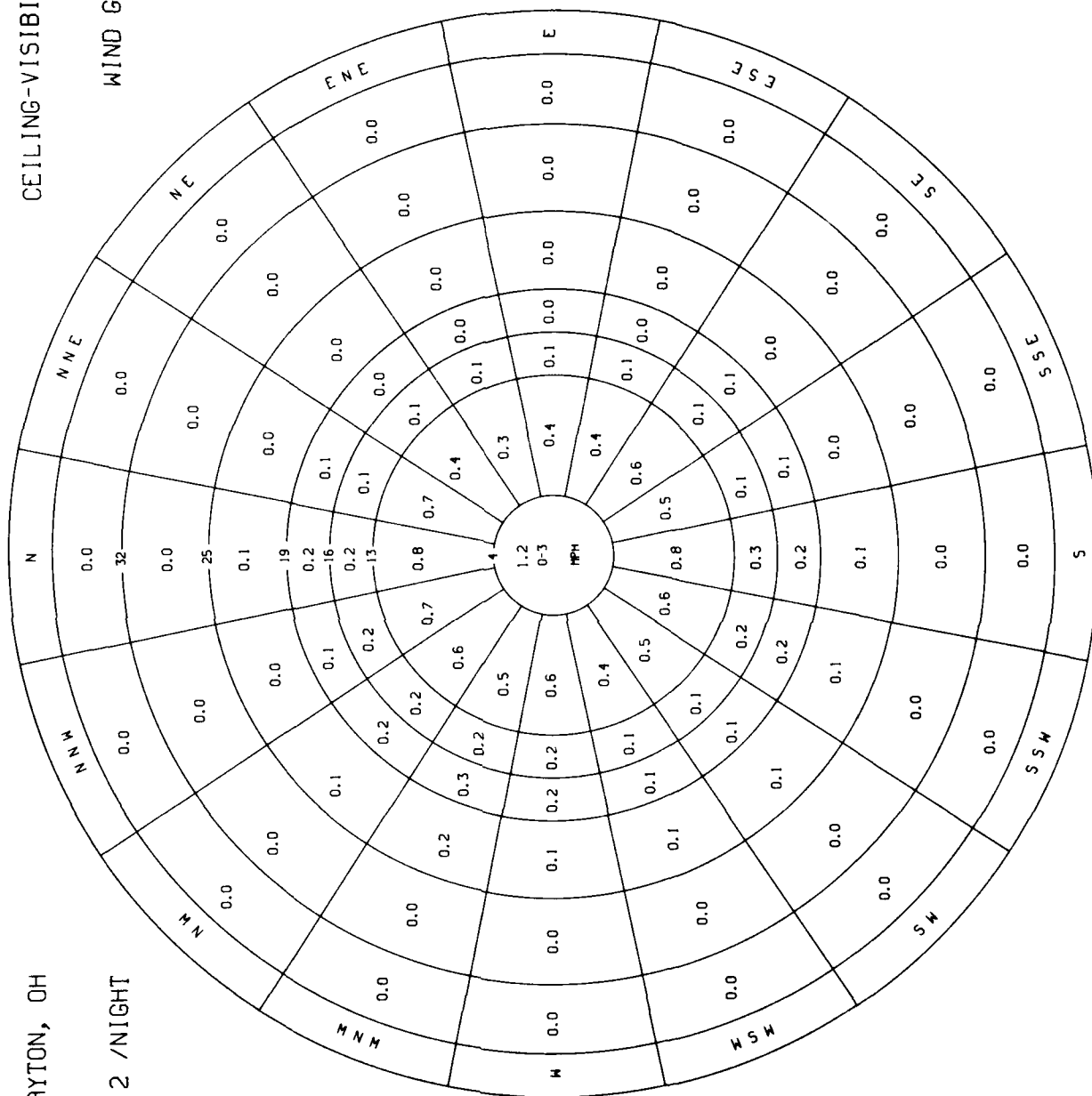
STATION NUMBER: 93815

NO. OBS.: 8756

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	5.0	.2	1.2	.1	.7	.1	.4	.0	.0	.0	.0	1.4	7.8	10.4
NNE	.1	.3	.7	3.7	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.9	5.2	9.5
NE	.1	.3	.5	2.6	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.5	8.9
ENE	.0	.3	.4	2.3	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.6	3.1	9.0
E	.1	.3	.5	3.0	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	.8	4.3	9.5
ESE	.0	.2	.5	3.0	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.8	4.4	10.1
SE	.1	.4	.7	4.1	.1	.8	.1	.4	.0	.1	.0	.0	.0	.0	1.0	5.8	9.7
SSE	.0	.3	.7	3.9	.1	.7	.1	.6	.0	.2	.0	.0	.0	.0	1.0	5.7	10.1
S	.1	.4	1.1	6.3	.3	1.7	.3	1.6	.1	.8	.0	.1	.0	.0	1.9	10.9	11.6
SSW	.0	.3	1.0	5.6	.3	1.7	.2	1.4	.1	.7	.0	.0	.0	.0	1.7	9.7	11.7
SW	.1	.3	.7	3.7	.2	1.1	.1	.8	.1	.5	.0	.2	.0	.1	1.2	6.7	11.8
WSW	.0	.3	.4	2.3	.2	1.0	.2	.9	.1	.8	.0	.2	.0	.1	1.0	5.4	13.2
W	.0	.3	.6	3.3	.2	1.1	.2	1.2	.1	.8	.1	.3	.0	.0	1.2	7.0	13.0
WNW	.0	.2	.5	2.7	.2	1.0	.2	1.1	.1	.6	.0	.2	.0	.0	1.0	5.8	13.1
NW	.1	.5	.7	3.7	.2	.9	.2	.9	.1	.5	.0	.1	.0	.0	1.2	6.5	11.2
NNW	.1	.3	.7	3.9	.2	.9	.1	.7	.1	.3	.0	.1	.0	.0	1.1	6.2	10.7
CALM	.3	1.9													.3	1.9	
TOTAL	1.3	7.1	10.5	59.1	2.6	14.7	2.0	11.5	1.1	6.0	.2	1.3	.1	.3	17.8	100	10.8

CEILING-VISIBILITY
WIND GRAPH

DAY DAYTON, OH
CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAYTON, OH

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 93815

NO. OBS.: 6435

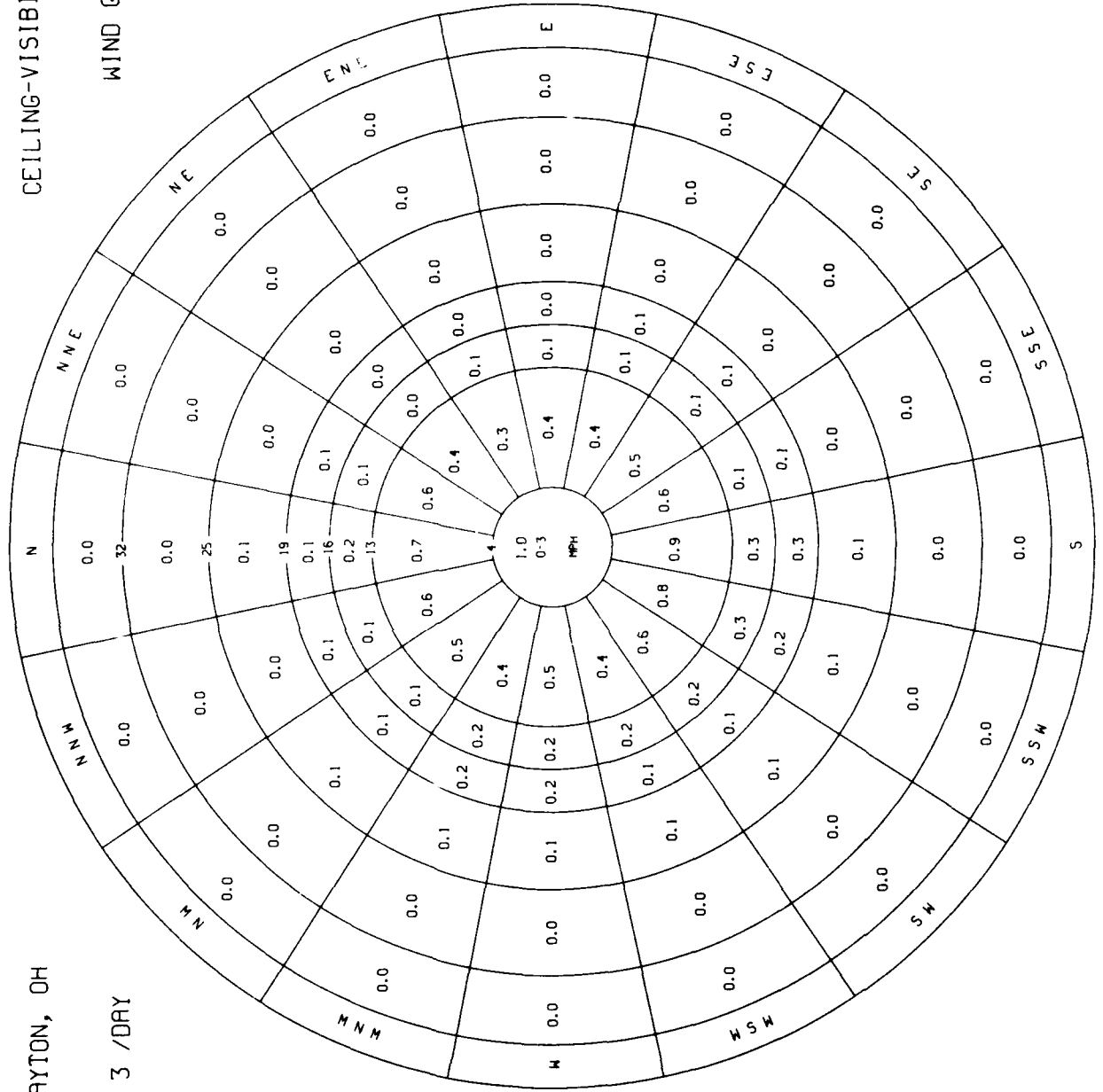
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.5	.8	5.2	.2	1.4	.2	1.2	.1	.4	.0	.0	.0	.0	1.3	8.6	10.7
NNE	.1	.4	.7	4.3	.1	.9	.1	.7	.0	.2	.0	.0	.0	.0	1.0	6.4	9.9
NE	.1	.5	.4	2.6	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.6	3.7	8.4
ENE	.0	.2	.3	2.0	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.4	2.9	9.1
E	.1	.4	.4	2.8	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.1	9.4
ESE	.0	.2	.4	2.6	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.5	9.5
SE	.1	.5	.6	3.9	.1	.8	.1	.3	.0	.1	.0	.0	.0	.0	.9	5.7	9.3
SSE	.0	.3	.5	3.0	.1	.7	.1	.5	.0	.3	.0	.0	.0	.0	.7	4.7	10.4
S	.1	.4	.8	5.2	.3	1.7	.2	1.4	.1	.9	.0	.1	.0	.0	1.5	9.7	11.8
SSW	.1	.3	.6	4.1	.2	1.6	.2	1.3	.1	.7	.0	.1	.0	.0	1.3	8.1	12.2
SW	.0	.3	.5	3.5	.1	.8	.1	.6	.1	.4	.0	.1	.0	.0	.9	5.7	11.2
WSW	.0	.2	.4	2.7	.1	.9	.1	.9	.1	.6	.0	.2	.0	.1	.9	5.5	12.9
W	.1	.3	.6	3.6	.2	1.1	.2	1.1	.1	.6	.0	.2	.0	.0	1.1	6.9	12.3
WNW	.1	.3	.5	3.2	.2	1.6	.3	1.6	.2	1.0	.0	.3	.0	.1	1.3	8.1	13.6
NW	.1	.5	.6	4.0	.2	1.0	.2	1.1	.1	.4	.0	.1	.0	.0	1.1	7.1	11.2
NNW	.1	.4	.7	4.4	.2	1.2	.1	.7	.0	.3	.0	.0	.0	.0	1.1	7.0	10.4
CALM	.3	2.2													.3	2.2	
TOTAL	1.2	8.0	8.9	57.1	2.4	15.2	1.9	12.2	.9	5.9	.2	1.2	.0	.2	15.5	100	10.9

CEILING-VISIBILITY

WIND GRAPH

DAY DAYTON, OH

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAYTON, OH

PERIOD: 1948-1978

CLASS 3 / DAY

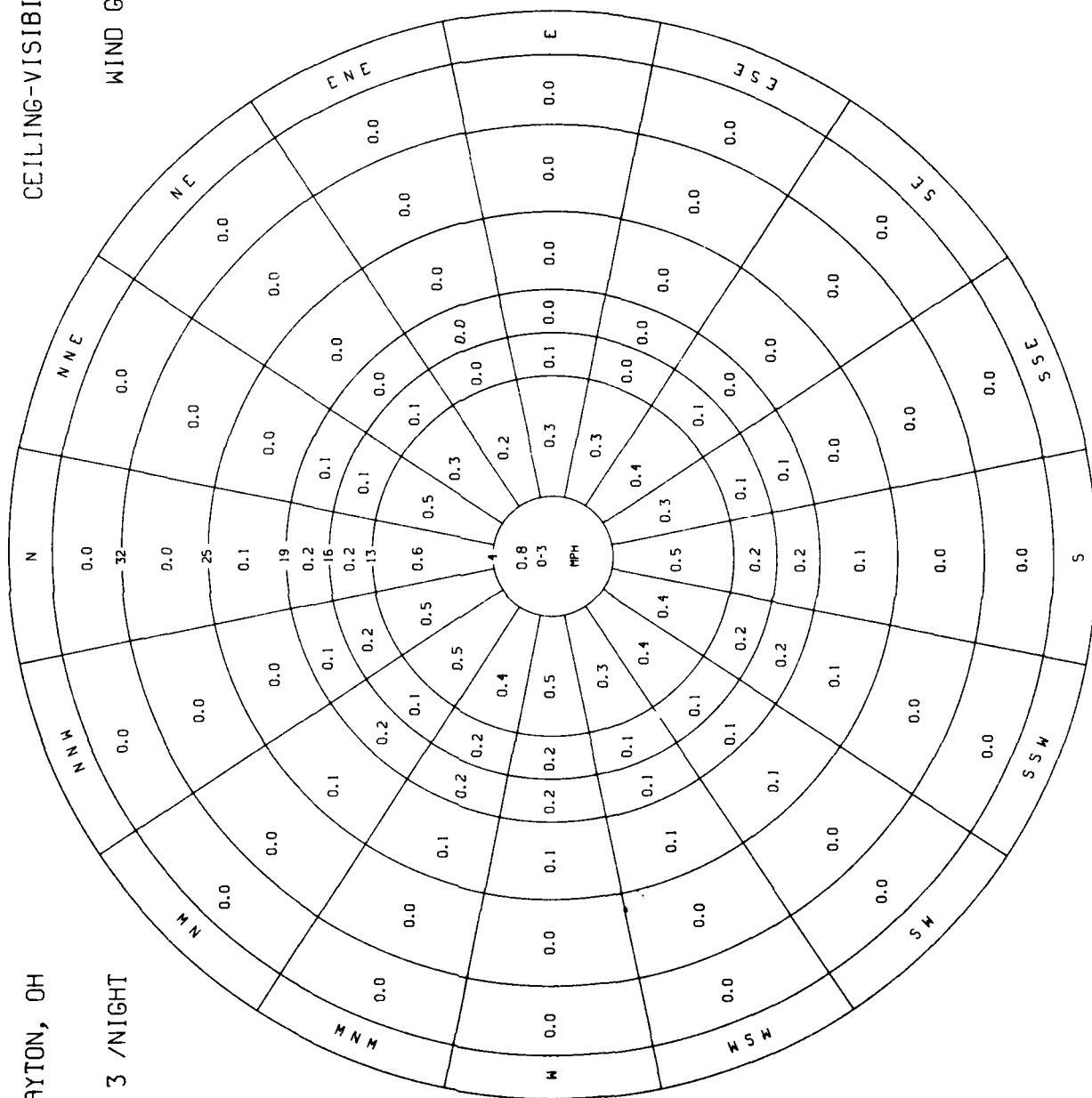
STATION NUMBER: 93815

NO. OBS.: 7431

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	.5	.7	4.7	.2	1.2	.1	.6	.1	.4	.0	.0	.0	.0	1.1	7.4	10.4
NNE	.0	.3	.6	3.7	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.8	5.1	9.8
NE	.0	.3	.4	2.5	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5	3.3	8.9
ENE	.0	.2	.3	2.1	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.9	9.1
E	.0	.3	.4	2.9	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.2	9.8
ESE	.0	.2	.4	2.7	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.6	3.9	10.3
SE	.1	.4	.5	3.5	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.8	5.2	9.9
SSE	.0	.3	.6	3.7	.1	.7	.1	.6	.0	.2	.0	.0	.0	.0	.7	5.5	10.3
S	.1	.4	.9	6.1	.3	1.7	.3	1.7	.1	.9	.0	.1	.0	.0	1.7	10.9	11.9
SSW	.0	.2	.8	5.6	.3	1.8	.2	1.4	.1	.8	.0	.0	.0	.0	1.5	9.9	11.9
SW	.1	.3	.6	3.9	.2	1.3	.1	.9	.1	.5	.0	.2	.0	.1	1.1	7.1	12.0
WSW	.0	.2	.4	2.4	.2	1.1	.1	1.0	.1	.9	.0	.2	.0	.1	.9	5.8	13.4
W	.0	.2	.5	3.5	.2	1.3	.2	1.4	.1	.9	.0	.3	.0	.1	1.2	7.6	13.3
WNW	.0	.2	.4	2.9	.2	1.2	.2	1.2	.1	.6	.0	.2	.0	.0	1.0	6.4	13.2
NW	.1	.6	.5	3.6	.1	.9	.1	.9	.1	.5	.0	.1	.0	.0	1.0	6.5	11.4
NNW	.0	.3	.6	3.8	.1	1.0	.1	.7	.0	.3	.0	.1	.0	.0	.9	6.2	10.9
CALM	.3	1.9													.3	1.9	
TOTAL	1.0	6.7	8.7	57.5	2.3	15.3	1.9	12.3	1.0	6.5	.2	1.3	.0	.3	15.1	100	11.1

CEILING-VISIBILITY

WIND GRAPH



DAY DAYTON, OH

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAYTON, OH

PERIOD: 1948-1978

CLASS 3 / NIGHT

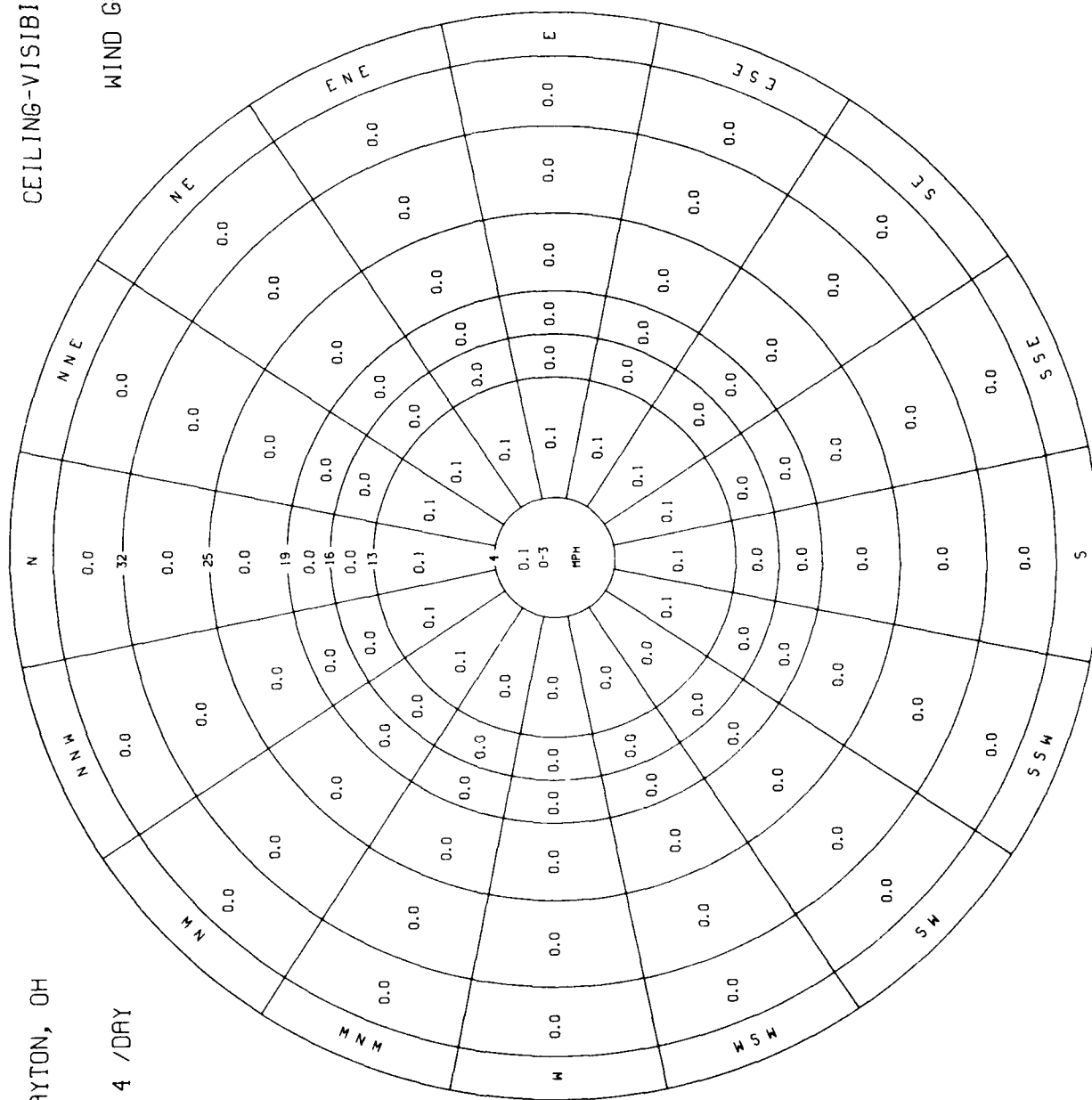
STATION NUMBER: 93815

NO. OBS.: 4926

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	.6	5.0	.2	1.4	.2	1.4	.1	.5	.0	.0	.0	.0	1.0 8.8
NNE	.1	.4	.5	4.4	.1	.9	.1	.7	.0	.2	.0	.0	.0	.0	.8 6.6
NE	.1	.4	.3	2.6	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.6
ENE	.0	.2	.2	2.0	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.9
E	.0	.2	.3	2.6	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.5 3.9
ESE	.0	.1	.3	2.2	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.4 3.1
SE	.0	.4	.4	3.4	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.6 4.8
SSE	.0	.4	.3	2.4	.1	.6	.1	.5	.0	.3	.0	.0	.0	.0	.5 4.2
S	.0	.3	.5	4.4	.2	1.7	.2	1.5	.1	1.0	.0	.2	.0	.0	1.1 9.2
SSW	.0	.2	.4	3.4	.2	1.7	.2	1.5	.1	.8	.0	.1	.0	.0	.9 7.7
SW	.0	.3	.4	3.2	.1	.8	.1	.8	.1	.4	.0	.1	.0	.0	.7 5.7
WSW	.0	.2	.3	2.8	.1	1.1	.1	1.1	.1	.8	.0	.3	.0	.1	.7 6.3
W	.0	.2	.5	3.9	.2	1.3	.2	1.4	.1	.8	.0	.2	.0	.0	.9 7.8
WNW	.0	.3	.4	3.4	.2	1.9	.2	2.0	.1	1.1	.0	.3	.0	.1	1.1 9.1
NW	.1	.4	.5	4.0	.1	1.2	.2	1.3	.1	.4	.0	.0	.0	.0	.9 7.5
NNW	.1	.5	.5	4.3	.2	1.4	.1	.8	.0	.3	.0	.1	.0	.0	.9 7.2
CALM	.2	1.6													.2 1.6
TOTAL	.8	6.8	6.4	54.0	2.0	16.5	1.7	14.2	.8	7.0	.2	1.4	.0	.1	11.9 100
															11.4

DAY DAYTON, OH

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAYTON, OH

PERIOD: 1948-1978

CLASS 4 / DAY

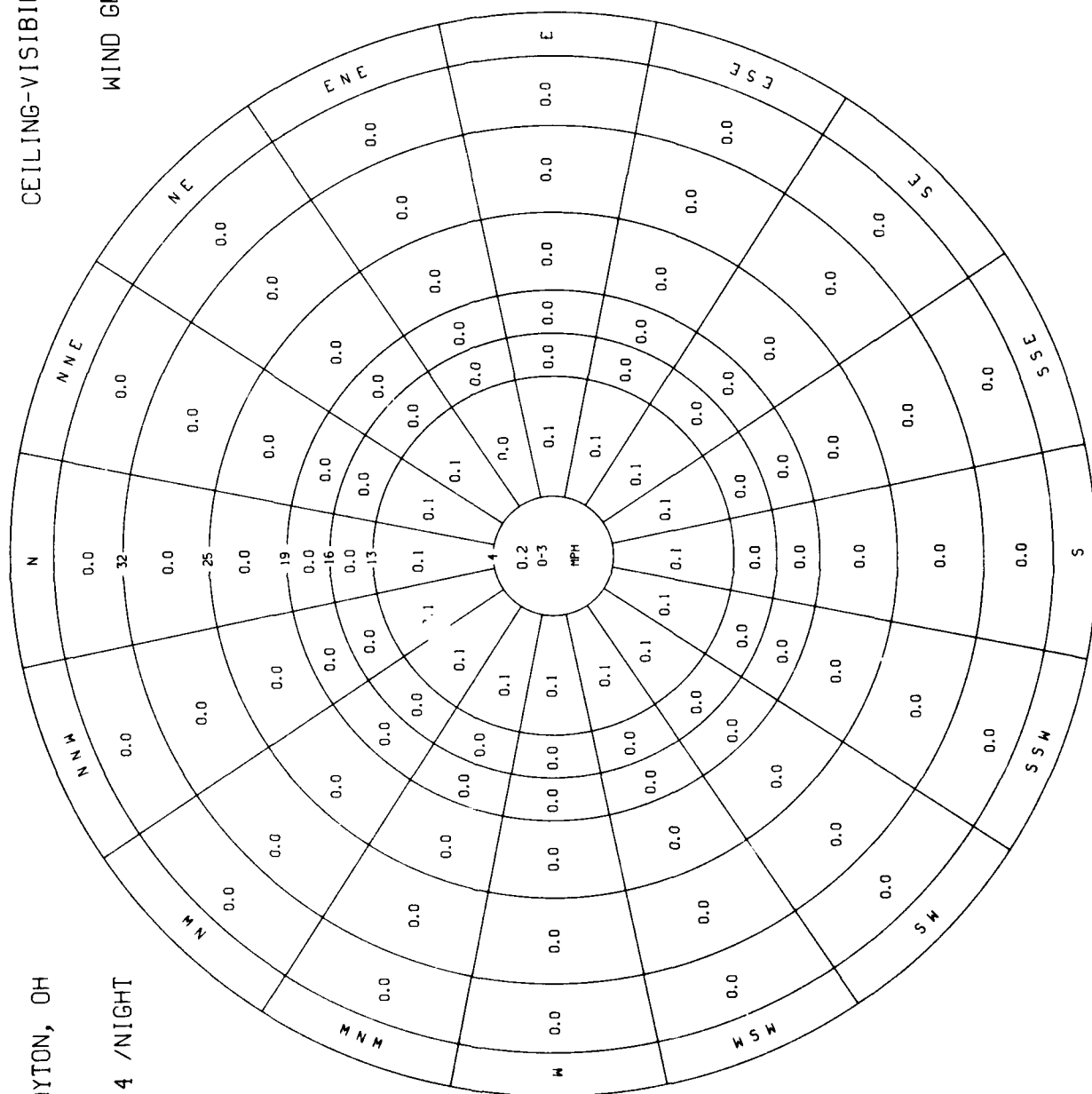
STATION NUMBER: 93815

NO. OBS.: 916

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	6.7	.0	1.3	.0	1.2	.0	.7	.0	.1	.0	.0	.2	10.4	10.7
NNE	.0	.1	.1	4.7	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	6.0	8.9
NE	.0	.4	.1	3.3	.0	.4	.0	.5	.0	.1	.0	.1	.0	.0	.1	4.9	9.4
ENE	.0	.4	.1	3.5	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.6	8.5
E	.0	.3	.1	3.5	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.1	4.6	9.2
ESE	.0	.5	.1	4.8	.0	1.4	.0	.3	.0	.1	.0	.1	.0	.0	.1	7.3	10.1
SE	.0	.4	.1	7.1	.0	1.6	.0	.4	.0	.1	.0	.0	.0	.0	.2	9.7	9.9
SSE	.0	.0	.1	4.0	.0	.3	.0	.5	.0	.1	.0	.0	.0	.0	.1	6.0	10.4
S	.0	.3	.1	6.6	.0	1.7	.0	.9	.0	.2	.0	.1	.0	.0	.2	9.9	10.4
SSW	.0	.3	.1	5.0	.0	.4	.0	.9	.0	.4	.0	.0	.0	.0	.2	8.1	11.3
SW	.0	.5	.0	2.6	.0	.1	.0	.5	.0	.3	.0	.0	.0	.0	.1	4.1	10.1
WSW	.0	.1	.0	2.1	.0	.3	.0	.4	.0	.2	.0	.0	.0	.1	.1	3.3	11.4
W	.0	.5	.0	2.3	.0	.2	.0	.2	.0	.1	.0	.4	.0	.0	.1	3.8	10.2
WNW	.0	.1	.0	1.4	.0	.2	.0	.4	.0	.4	.0	.2	.0	.0	.1	2.8	13.1
NW	.0	.7	.1	4.1	.0	.9	.0	1.1	.0	.4	.0	.0	.0	.0	.1	7.2	10.8
NNW	.0	.2	.1	4.3	.0	.9	.0	.3	.0	.2	.0	.0	.0	.0	.1	5.9	10.0
CALM	.0	1.3													.0	1.3	
TOTAL	1	6.9	1.2	65.9	.3	13.5	.2	8.8	.1	3.6	.0	1.1	.0	.1	1.9	100	10.1

CEILING-VISIBILITY

WIND GRAPH



DAY DAYTON, OH

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAYTON, OH

PERIOD: 1948-1978

CLASS 4 / NIGHT

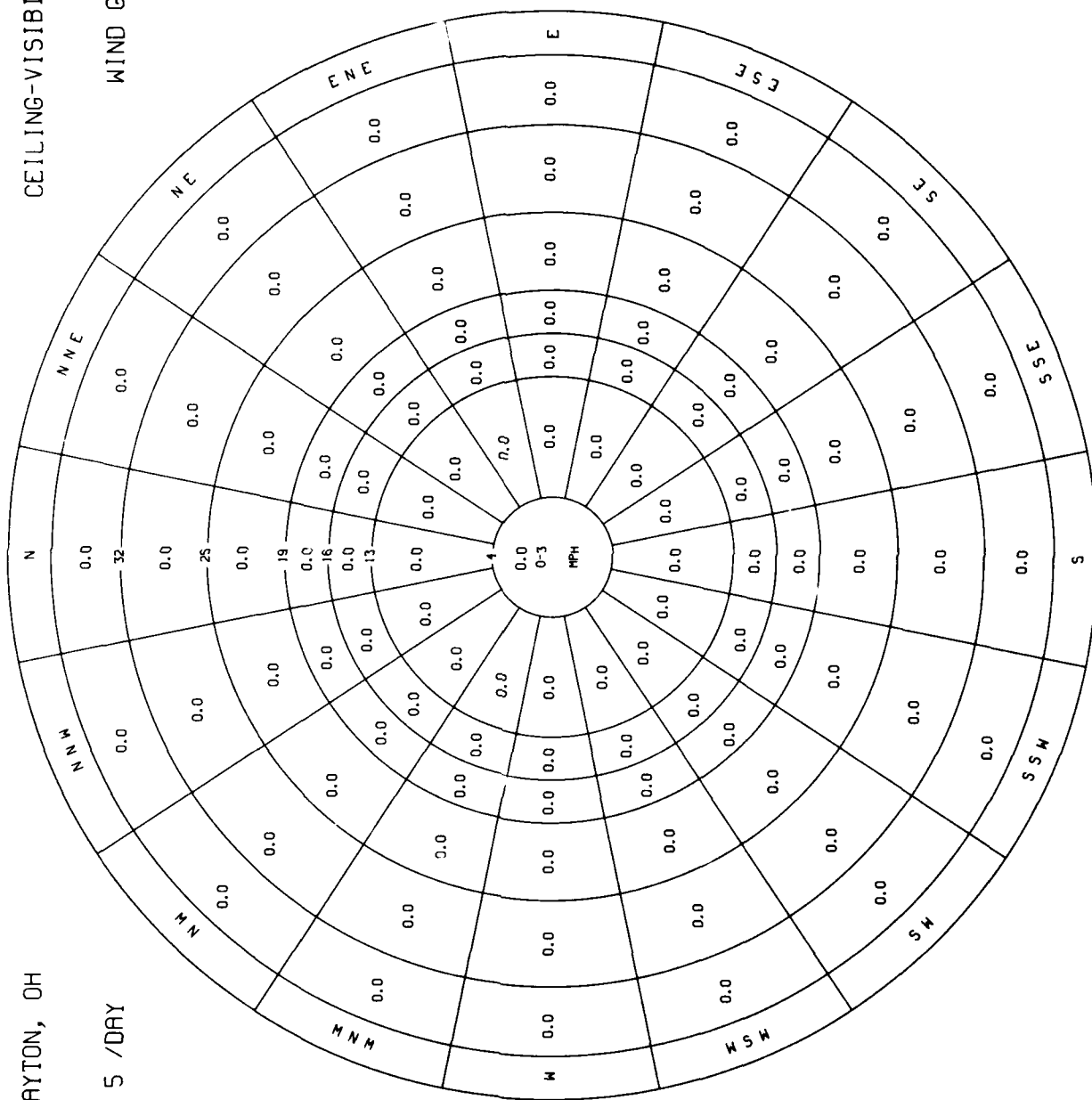
STATION NUMBER: 93815

NO. OBS.: 899

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	.6	.1	6.7	.0	1.4	.0	1.1	.0	.1	.0	.0	.0	.0	.2 9.9
NNE	.0	.3	.1	4.3	.0	1.2	.0	.7	.0	.1	.0	.0	.0	.0	.1 6.7
NE	.0	.7	.1	2.9	.0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.1 4.0
ENE	.0	.2	.0	2.1	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.1 3.1
E	.0	.6	.1	4.0	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1 5.5
ESE	.0	.1	.1	3.0	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.4
SE	.0	.7	.1	3.7	.0	1.1	.0	.4	.0	.1	.0	.1	.0	.0	.1 6.1
SSE	.0	.0	.1	3.6	.0	1.4	.0	.2	.0	.3	.0	.0	.0	.0	.1 5.6
S	.0	.3	.1	6.8	.0	2.2	.0	1.0	.0	.2	.0	.0	.0	.0	.2 10.6
SSW	.0	.4	.1	5.9	.0	1.6	.0	1.1	.0	.3	.0	.0	.0	.0	.2 9.3
SW	.0	.1	.1	4.3	.0	.9	.0	.1	.0	.1	.0	.0	.0	.0	.1 5.6
WSW	.0	.0	.1	2.8	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.1 3.3
W	.0	.4	.1	2.8	.0	.4	.0	.1	.0	.2	.0	.3	.0	.0	.1 4.3
WNW	.0	.2	.1	2.6	.0	.7	.0	.6	.0	.7	.0	.0	.0	.0	.1 4.7
NW	.0	.4	.1	4.3	.0	.6	.0	.7	.0	.4	.0	.1	.0	.1	.1 6.7
NNW	.0	.3	.1	6.1	.0	1.0	.0	.3	.0	.2	.0	.0	.0	.0	.2 8.0
CALM	.0	2.2													.0 2.2
TOTAL	.2	7.7	1.4	65.9	.3	14.9	.2	7.7	.1	3.0	.0	.8	.0	.1	2.2 100 9.8

CEILING-VISIBILITY

WIND GRAPH



DAY DAYTON, OH

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAYTON, OH

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 93815

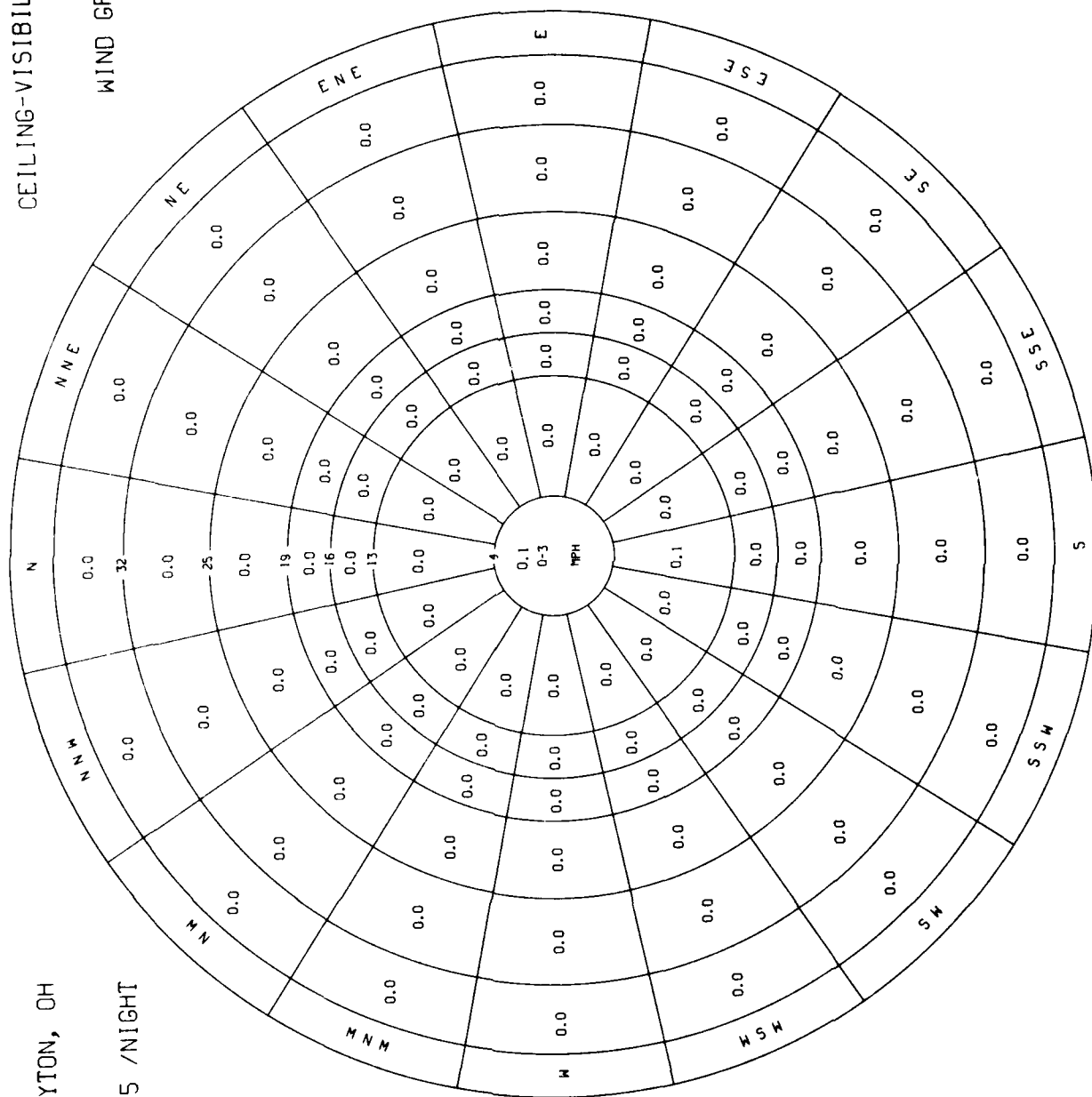
NO. OBS.: 186

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	.0	5.4	.0	.5	.0	.5	.0	.5	.0	.0	.0	.0	.0 7.5
NNE	.0	1.1	.0	1.1	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.0	.0 3.8
NE	.0	.0	.0	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
ENE	.0	.5	.0	2.7	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0 4.3
E	.0	.5	.0	4.3	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 5.4
ESE	.0	.5	.0	4.8	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0 6.5
SE	.0	.5	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.6
SSE	.0	.5	.0	8.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.1
S	.0	.5	.0	10.2	.0	2.2	.0	.5	.0	1.1	.0	.0	.0	.0	.1 14.5
SSW	.0	.0	.0	6.5	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0 9.7
SW	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
WSW	.0	.5	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
W	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
WNW	.0	.5	.0	2.7	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0 4.8
NW	.0	.0	.0	5.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
NNW	.0	.0	.0	4.3	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0 5.4
CALM	.0	1.6													.0 1.6
TOTAL	.0	8.1	.3	73.7	.0	9.7	.0	3.8	.0	4.3	.0	.5	.0	.0	.4 100

WIND GRAPH

DAY DAYTON, OH

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DAY DAYTON, OH

CLASS 5 / NIGHT

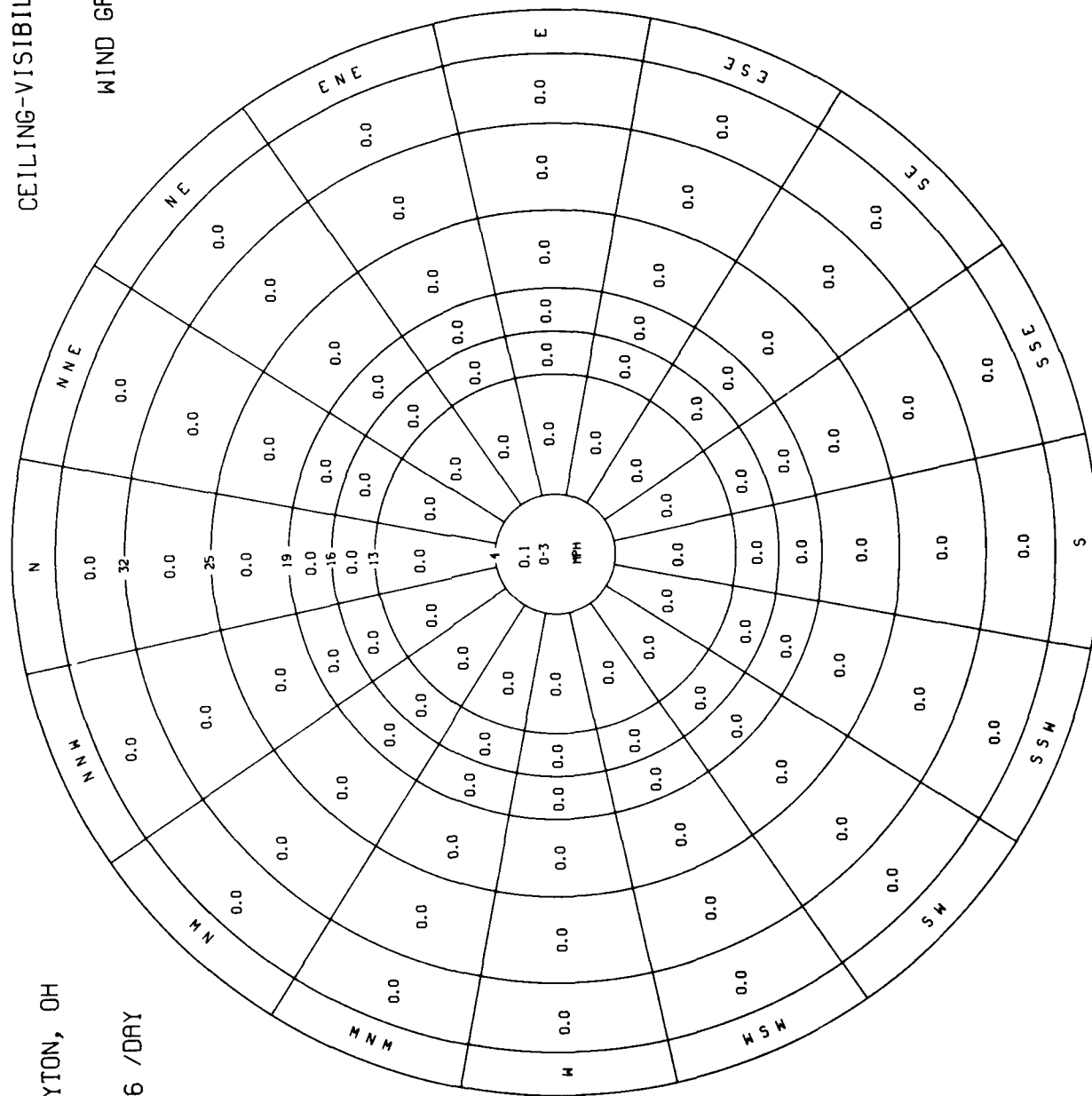
NO. OBS.: 269

STATION NUMBER: 93815

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	.0	4.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
NNE	.0	1.1	.0	3.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 4.5
NNE	.0	.4	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
ENE	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
E	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
ESE	.0	1.1	.0	4.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 6.7
SE	.0	.7	.0	7.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.3
SSE	.0	.0	.0	7.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 7.8
S	.0	1.1	.1	10.4	.0	1.5	.0	1.5	.0	.7	.0	.4	.0	.0	.1 15.6
SSW	.0	.7	.0	6.3	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.1 7.8
SW	.0	.0	.0	6.3	.0	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.1 7.8
WSW	.0	.4	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0 2.6
W	.0	.4	.0	3.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
WNW	.0	.4	.0	3.7	.0	.7	.0	.4	.0	.4	.0	.4	.0	.0	.0 5.9
NW	.0	.7	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0 4.8
NNW	.0	.0	.0	3.7	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 4.5
CALM	.0	4.8													.0 4.8
TOTAL	.1	12.6	.5	72.5	.0	7.4	.0	4.1	.0	1.9	.0	1.5	.0	.0	.6 100
															8.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: DAY DAYTON, OH

CLASS 6 / DAY

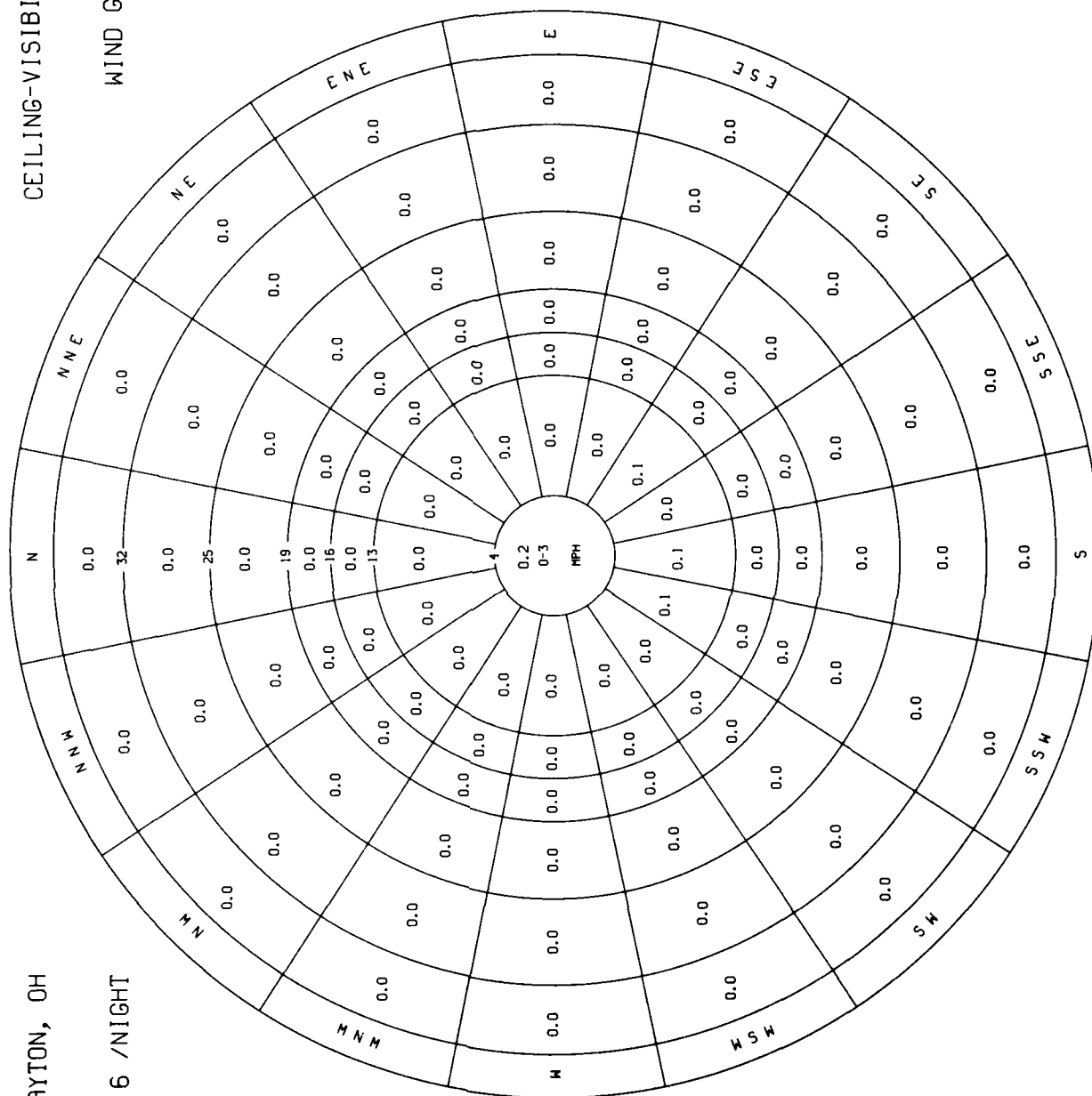
NO. OBS.: 223

STATION NUMBER: 93815

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	6.7	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	8.5	7.8
NNE	.0	1.8	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.1
NE	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.6
ENE	.0	.4	.0	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	8.7
E	.0	1.8	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.7
ESE	.0	.9	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.8
SE	.0	1.8	.0	8.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	7.0
SSE	.0	1.3	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	6.9
S	.0	.9	.0	9.0	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.1	11.7	8.7
SSW	.0	.9	.0	8.5	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	10.8	9.1
SW	.0	.0	.0	2.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.9	.0	4.0	14.9
WSW	.0	.9	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	3.1	11.1
W	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.0
WNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	2.2	10.6
NW	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	7.0
NNW	.0	.9	.0	4.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	7.2
CALM	.0	6.7													.0	6.7	
TOTAL	.1	19.3	.3	72.2	.0	4.5	.0	2.2	.0	.0	.0	.4	.0	1.3	.5	100	7.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAY DAVTON, OH

PERIOD: 1948-1978

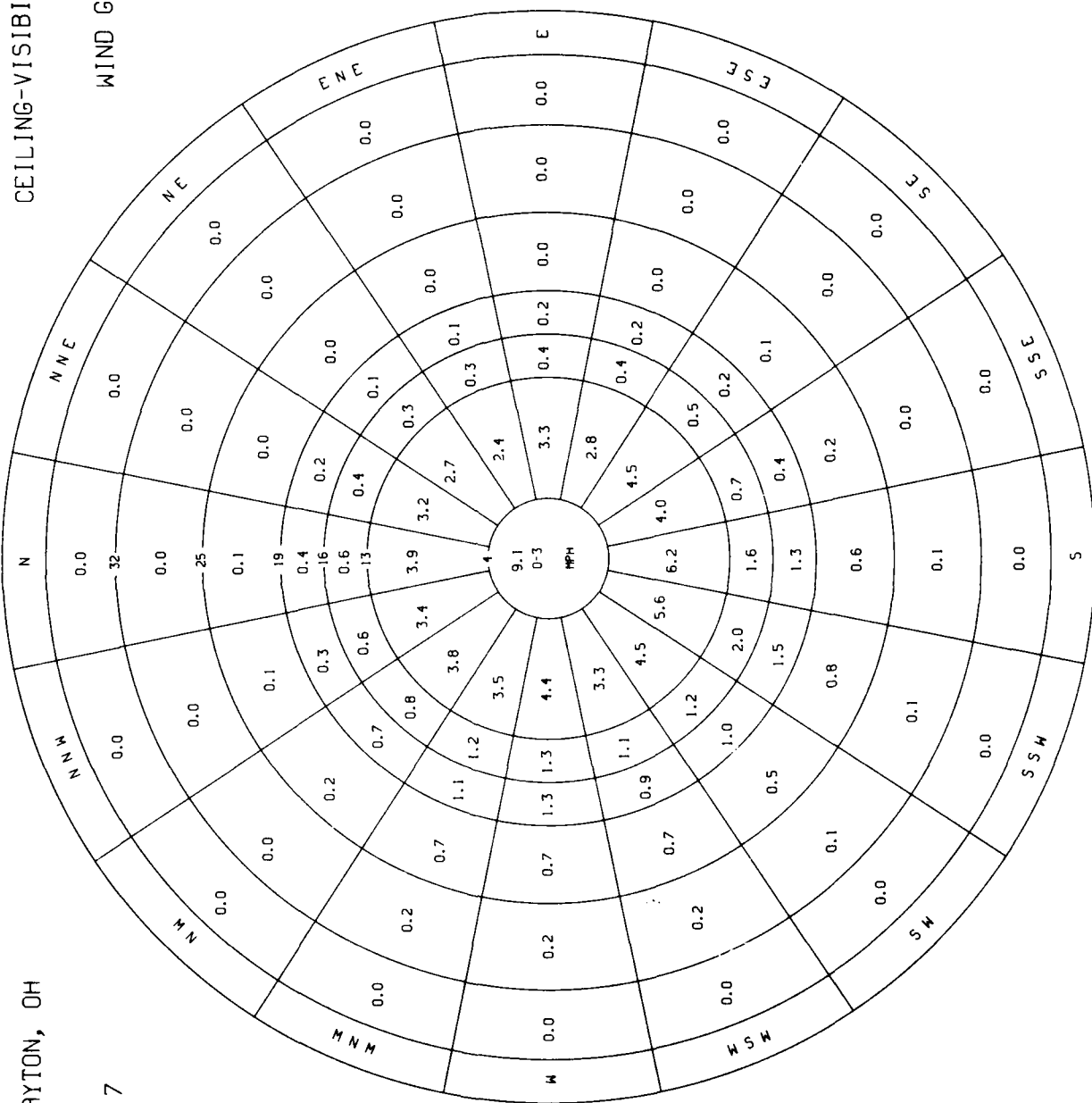
CLASS 6 / NIGHT

STATION NUMBER: 93815

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
N	.0	.6	.0	4.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.9
NNE	.0	.3	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	6.8
NE	.0	.6	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.2
ENE	.0	.6	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	7.4
E	.0	2.3	.0	2.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	5.4
ESE	.0	1.5	.0	3.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	6.3
SE	.0	2.1	.1	10.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.8	7.6
SSE	.0	.3	.0	5.6	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.1	7.3	8.8
S	.0	1.2	.1	7.0	.0	.9	.0	.6	.0	.6	.0	.0	.0	.0	.1	10.3	9.4
SSW	.0	1.5	.1	7.9	.0	.3	.0	.6	.0	.0	.0	.3	.0	.0	.1	10.6	8.8
SW	.0	.3	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.7
WSW	.0	.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	10.4
W	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	10.0
WNW	.0	1.2	.0	2.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.7	12.1
NW	.0	.6	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.6
NNW	.0	.3	.0	2.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.8	7.2
CALM	.1	8.2													.1	8.2	
TOTAL	.2	23.2	.6	67.2	.0	4.7	.0	2.3	.0	.6	.0	.3	.0	1.8	.8	100	7.4

CEILING-VISIBILITY
WIND GRAPH



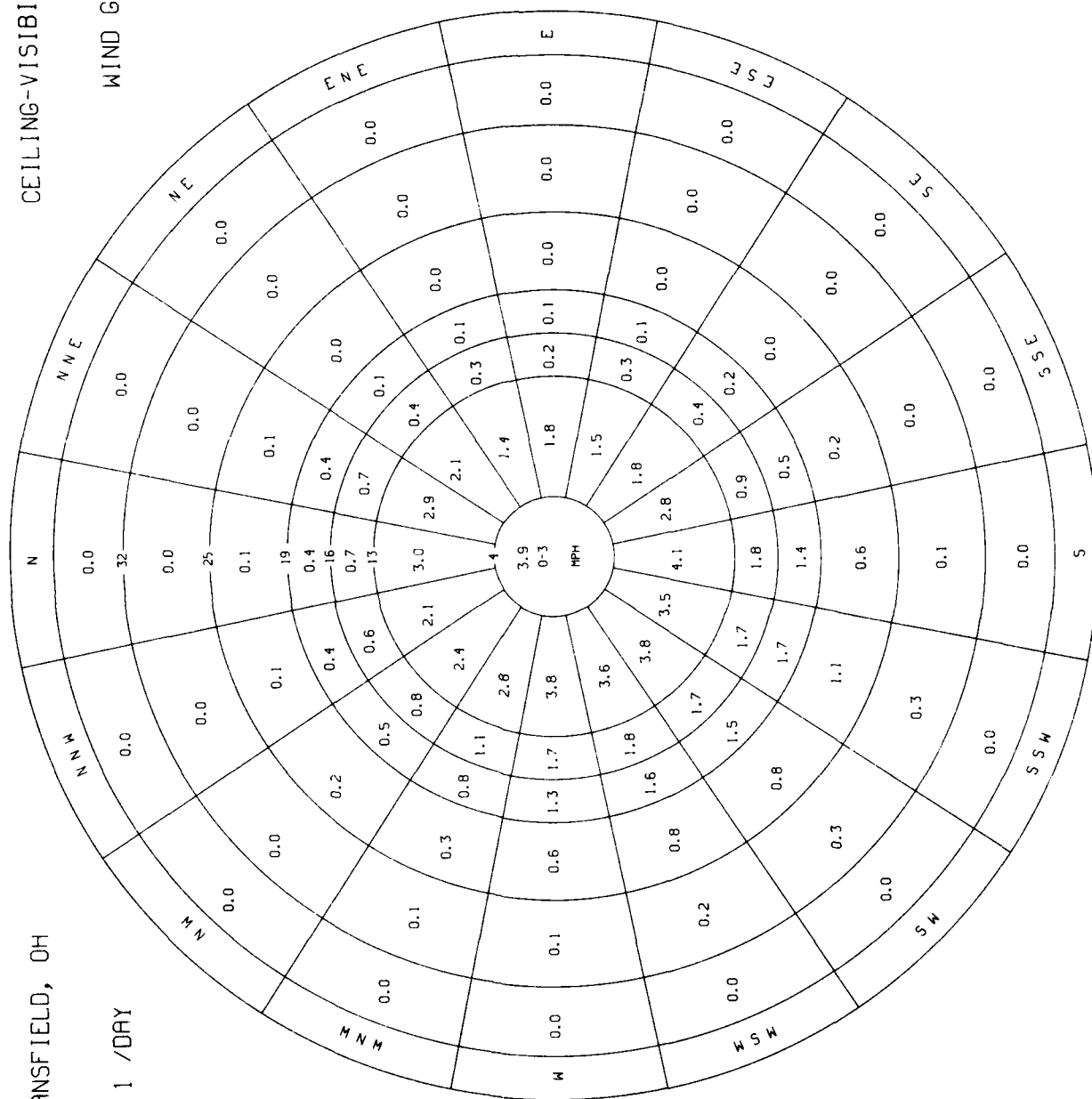
DAY DAYTON, OH

CLASS 7

MFD MANSFIELD, OH

WIND GRAPH

CLASS 1 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 1 / DAY

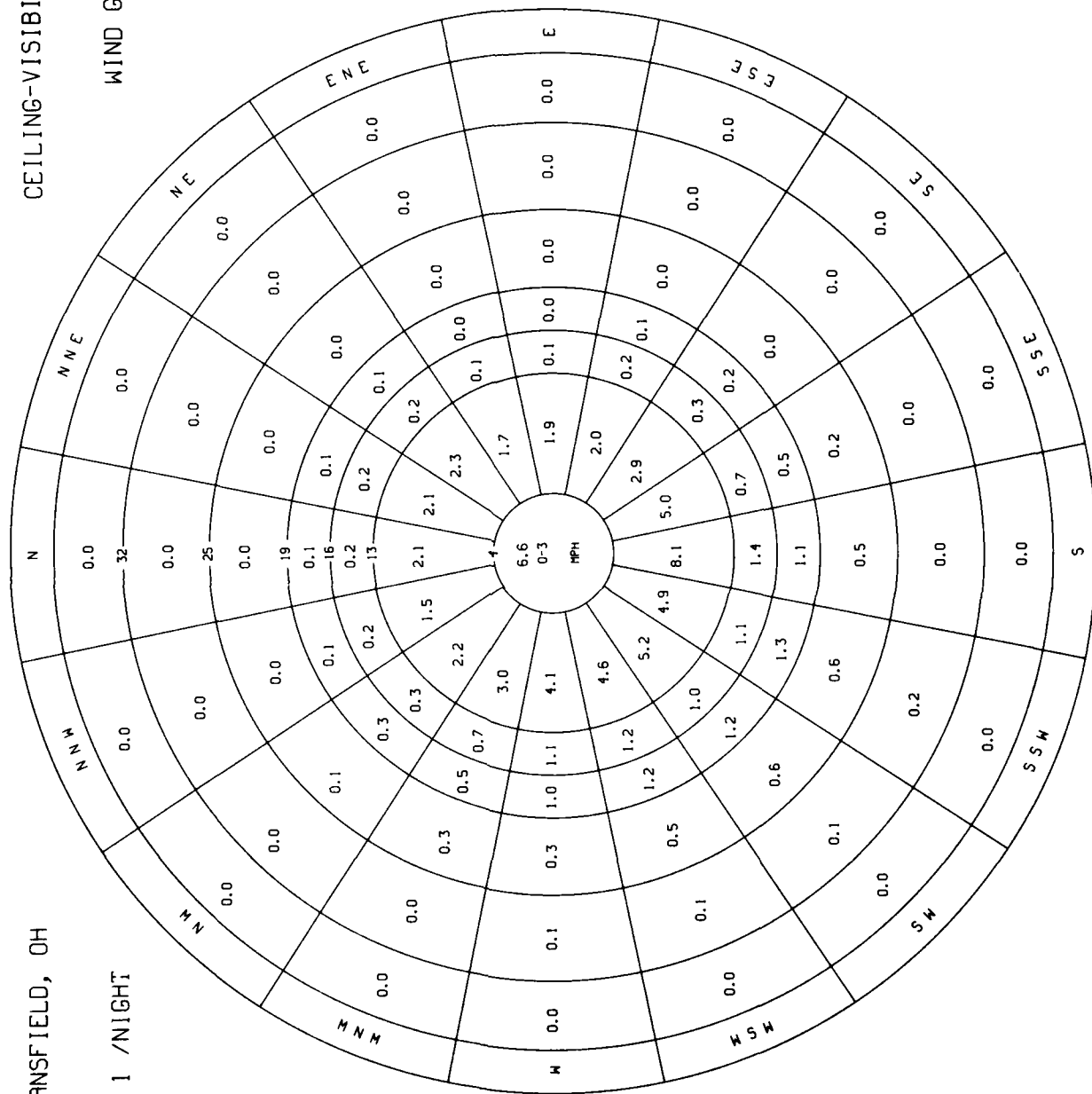
STATION NUMBER: 14891

NO. OBS.: 23042

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	.3	3.0	3.8	.7	.9	.4	.5	.1	.1	.0	.0	.0	.0	4.5	5.6	10.2
NNE	.2	.2	2.9	3.6	.7	.8	.4	.4	.1	.1	.0	.0	.0	.0	4.1	5.2	10.3
NE	.2	.3	2.1	2.7	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	2.9	3.6	9.3
ENE	.1	.1	1.4	1.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.8	2.3	9.3
E	.2	.2	1.8	2.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.3	3.0	8.8
ESE	.1	.1	1.5	1.9	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.6	9.5
SE	.2	.3	1.8	2.3	.4	.5	.2	.3	.0	.0	.0	.0	.0	.0	2.7	3.4	9.5
SSE	.2	.3	2.8	3.6	.9	1.1	.5	.6	.2	.2	.0	.1	.0	.0	4.6	5.8	11.1
S	.3	.4	4.1	5.2	1.8	2.2	1.4	1.7	.6	.7	.1	.2	.0	.0	8.3	10.5	12.3
SSW	.2	.2	3.5	4.4	1.7	2.2	1.7	2.2	1.1	1.4	.3	.4	.0	.0	8.6	10.8	13.8
SW	.3	.3	3.8	4.7	1.7	2.2	1.5	1.8	.8	.9	.3	.3	.0	.0	8.2	10.3	13.0
WSW	.2	.2	3.6	4.5	1.8	2.3	1.6	2.0	.8	1.0	.2	.3	.0	.0	8.1	10.2	13.3
W	.2	.3	3.8	4.8	1.7	2.1	1.3	1.6	.6	.7	.1	.1	.0	.0	7.7	9.7	12.4
WNW	.1	.2	2.8	3.5	1.1	1.4	.8	1.1	.3	.4	.1	.1	.0	.0	5.3	6.6	12.3
NW	.2	.2	2.4	3.1	.8	1.0	.5	.7	.2	.2	.0	.0	.0	.0	4.1	5.2	11.0
NNW	.1	.2	2.1	2.7	.6	.8	.4	.5	.1	.1	.0	.0	.0	.0	3.4	4.3	10.8
CALM	.9	1.1													.9	1.1	
TOTAL	3.9	4.9	43.5	54.7	15.0	18.9	11.0	13.8	4.8	6.0	1.2	1.5	.1	.2	79.6	100	11.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 1 / NIGHT

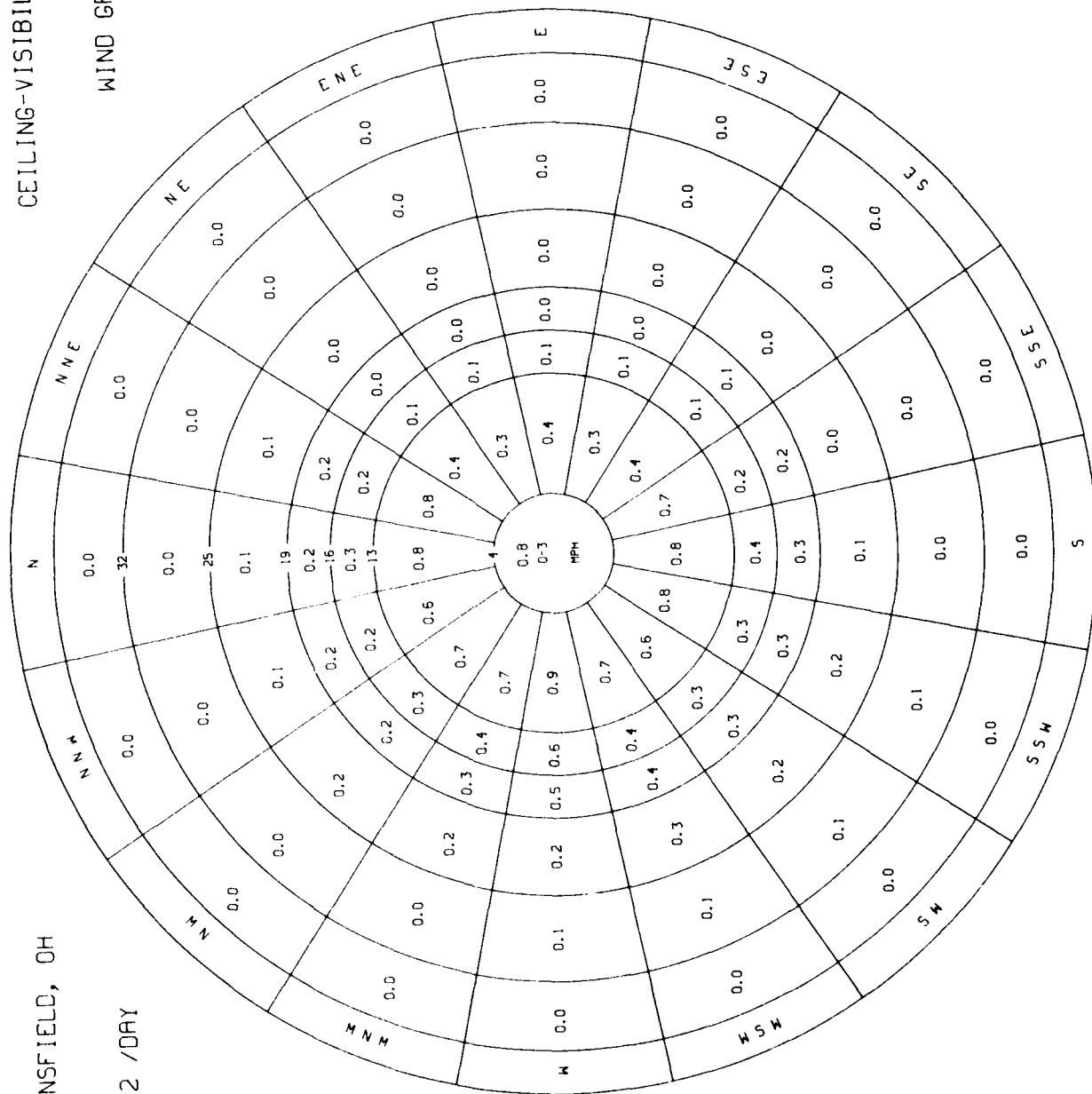
STATION NUMBER: 14891

NO. OBS.: 18962

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	2.1	2.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.6	3.2	8.2
NNE	.2	.2	2.1	2.6	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	2.7	3.3	8.4
NE	.3	.4	2.3	2.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.6	7.6
ENE	.2	.2	1.7	2.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.0	2.5	7.8
E	.2	.3	1.9	2.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.8	7.9
ESE	.2	.2	2.0	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.4	3.0	8.5
SE	.5	.6	2.9	3.6	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	3.9	4.9	8.2
SSE	.3	.4	5.0	6.2	.7	.8	.5	.6	.2	.2	.0	.0	.0	.0	6.7	8.2	9.5
S	.5	.7	8.1	10.0	1.4	1.7	1.1	1.4	.5	.6	.0	.1	.0	.0	11.8	14.6	10.2
SSW	.2	.2	4.9	6.1	1.1	1.4	1.3	1.6	.6	.8	.2	.3	.0	.0	8.4	10.4	12.0
SW	.3	.4	5.2	6.4	1.0	1.2	1.2	1.5	.6	.8	.1	.1	.0	.0	8.4	10.4	11.3
WSW	.1	.2	4.6	5.7	1.2	1.4	1.2	1.5	.5	.7	.1	.1	.0	.0	7.8	9.6	12.0
W	.2	.3	4.1	5.0	1.1	1.3	1.0	1.2	.3	.3	.1	.1	.0	.0	6.7	8.3	11.3
WNW	.1	.1	3.0	3.7	.7	.9	.5	.6	.3	.3	.0	.0	.0	.0	4.6	5.6	11.2
NW	.2	.2	2.2	2.8	.3	.4	.3	.4	.1	.1	.0	.0	.0	.0	3.1	3.8	9.7
NNW	.1	.2	1.5	1.8	.2	.2	.1	.2	.0	.1	.0	.0	.0	.0	2.0	2.4	9.3
CALM	2.7	3.3													2.7	3.3	
TOTAL	6.6	8.2	53.7	66.4	8.8	10.9	7.8	9.7	3.2	4.0	.6	.7	.1	.2	80.8	100	9.9

MFD MANSFIELD, OH

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 2 / DAY

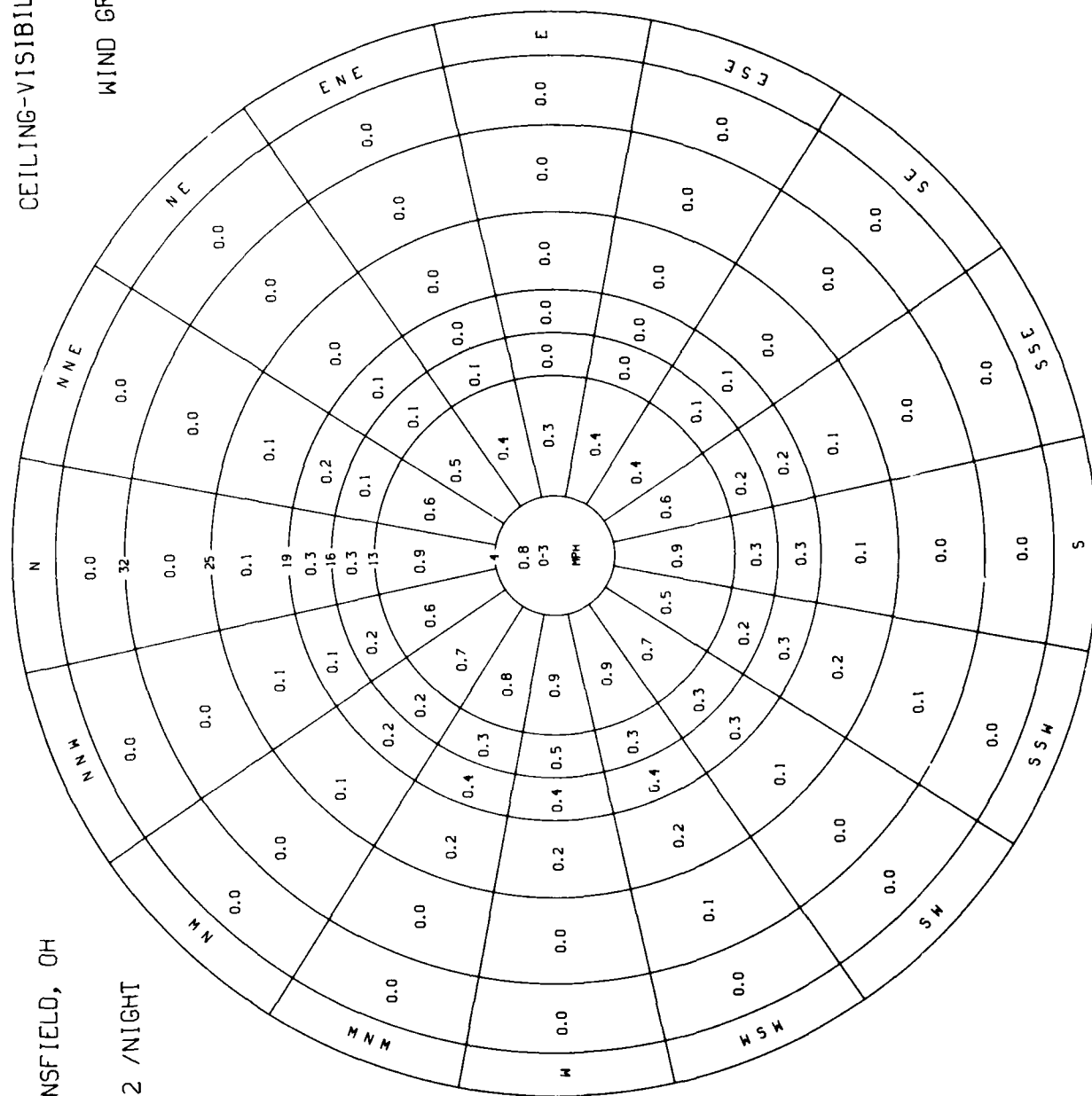
STATION NUMBER: 14891

NO. OBS.: 5903

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	.1	.8	3.9	.3	1.7	.2	1.1	.1	.4	.0	.1	.0	.0	1.5 7.4
NNE	.0	.2	.8	3.8	.2	1.2	.2	.8	.1	.4	.0	.1	.0	.0	1.3 6.5
NNE	.0	.2	.4	2.1	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6 3.0
ENE	.0	.1	.3	1.4	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.0
E	.0	.2	.4	1.9	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5 2.7
ESE	.0	.1	.3	1.5	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4 2.2
SF	.0	.1	.4	2.0	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	.6 3.1
SSE	.0	.2	.7	3.3	.2	1.2	.2	.9	.0	.2	.0	.0	.0	.0	1.2 5.8
S	.0	.2	.8	3.9	.4	2.0	.3	1.5	.1	.6	.0	.2	.0	.0	1.7 8.4
SSW	.0	.2	.8	3.9	.3	1.5	.3	1.7	.2	1.1	.1	.3	.0	.1	1.8 8.7
SW	.0	.1	.6	2.9	.3	1.5	.3	1.4	.2	.9	.1	.3	.0	.1	1.5 7.2
WSW	.0	.1	.7	3.5	.4	1.7	.4	2.1	.3	1.4	.1	.3	.0	.1	1.9 9.3
W	.0	.2	.9	4.4	.6	2.7	.5	2.6	.2	1.2	.1	.3	.0	.0	2.3 11.4
WNW	.0	.1	.7	3.3	.4	2.2	.3	1.4	.2	1.2	.0	.2	.0	.1	1.7 8.5
NW	.0	.2	.7	3.2	.3	1.4	.2	1.1	.2	.8	.0	.1	.0	.0	1.4 6.7
NNW	.0	.2	.6	3.0	.2	1.1	.2	.9	.1	.6	.0	.1	.0	.0	1.2 6.0
CALM	.0	1.3													.3 1.3
TOTAL	.8	3.8	9.8	47.9	4.1	20.2	3.3	16.4	1.9	9.2	.4	2.0	.1	.4	20.4 100
															12.7

CEILING-VISIBILITY

WIND GRAPH



MFD MANSFIELD, OH

CLASS 2 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14891

NO. OBS.: 4493

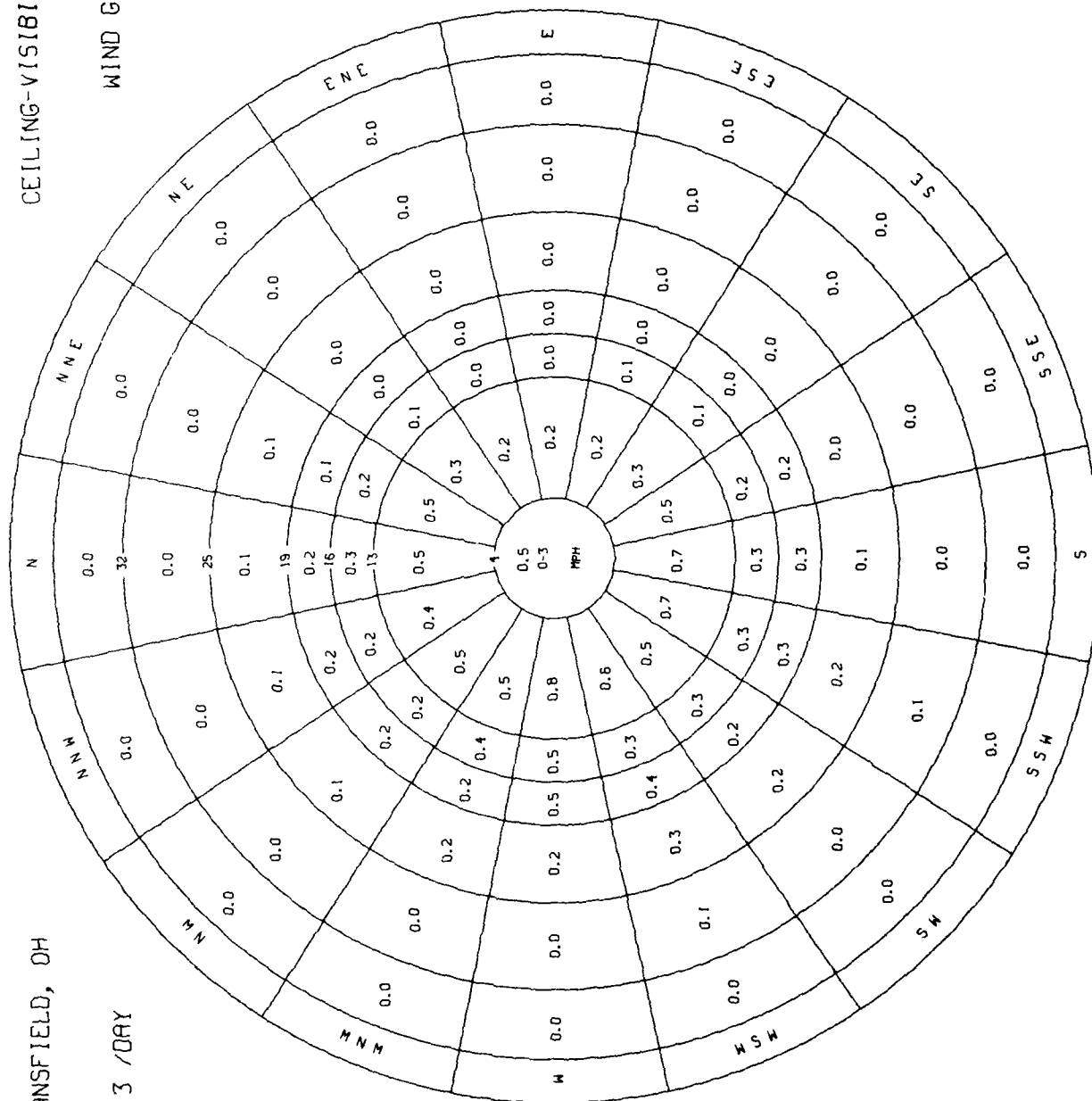
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.2	.9	4.6	.3	1.5	.3	1.3	.1	.4	.0	.0	.0	.0	1.6 8.1 11.6
NNE	.0	.1	.6	3.1	.1	.8	.2	.8	.1	.4	.0	.0	.0	.0	1.0 5.3 11.7
NE	.0	.1	.5	2.5	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	.7 3.5 10.2
ENE	.0	.1	.4	1.9	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.5 2.7 9.8
E	.0	.2	.3	1.8	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 2.4 9.5
ESE	.1	.3	.4	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 2.6 9.3
SE	.0	.2	.4	2.0	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	.6 3.1 10.4
SSE	.0	.2	.6	3.4	.2	1.0	.2	.9	.1	.3	.0	.0	.0	.0	1.1 5.8 11.7
S	.0	.2	.9	4.5	.3	1.5	.3	1.5	.1	.6	.0	.1	.0	.0	1.6 8.4 12.1
SSW	.0	.1	.5	2.6	.2	1.2	.3	1.4	.2	1.0	.1	.5	.0	.0	1.3 6.7 14.9
SW	.1	.3	.7	3.5	.3	1.4	.3	1.6	.1	.7	.0	.1	.0	.0	1.5 7.7 12.9
WSW	.0	.1	.9	4.5	.3	1.6	.4	2.2	.2	1.2	.1	.4	.0	.0	1.9 10.1 13.7
W	.1	.3	.9	4.5	.5	2.4	.4	2.3	.2	1.2	.0	.2	.0	.1	2.1 11.0 13.5
WNW	.0	.1	.8	4.4	.3	1.8	.4	1.9	.2	.8	.0	.1	.0	.0	1.7 9.1 13.2
NW	.0	.2	.7	3.6	.2	1.1	.2	1.2	.1	.6	.0	.1	.0	.0	1.3 6.8 12.4
NNW	.0	.2	.6	3.2	.2	.9	.1	.7	.1	.4	.0	.0	.0	.0	1.1 5.5 11.6
CALM	.3	1.3													.3 1.3
TOTAL	.8	4.2	10.0	52.3	3.2	16.8	3.2	16.9	1.5	8.0	.3	1.6	.0	.2	19.2 100 12.2

CEILING-VISIBILITY

WIND GRAPH

MFD MANSFIELD, OH

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: MFD MANSFIELD, OH

CLASS 3 / DAY

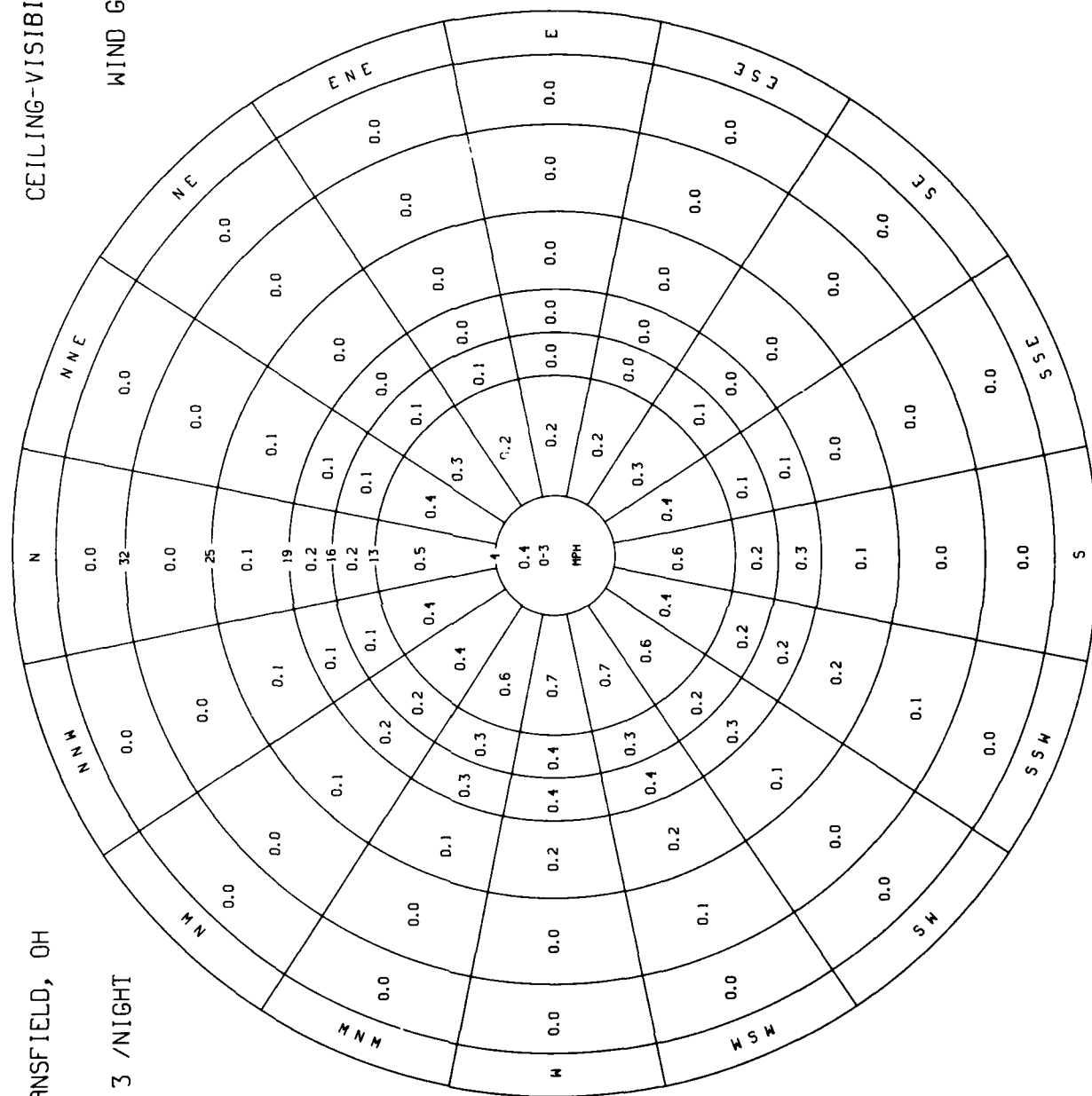
NO. OBS.: 4768

STATION NUMBER: 14891

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	3.2	.3	1.7	.2	1.0	.1	.4	.0	.2	.0	.0	1.1 6.6
NNE	.0	.1	.5	3.3	.2	1.3	.1	.9	.1	.4	.0	.0	.0	.0	1.0 6.1
NE	.0	.1	.3	1.8	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4 2.6
ENE	.0	.1	.2	1.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3 1.7
E	.0	.2	.2	1.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.1
ESE	.0	.1	.2	1.3	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.0
SE	.0	.1	.3	1.7	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.4 2.6
SSE	.0	.2	.5	3.1	.2	1.0	.2	1.1	.0	.2	.0	.0	.0	.0	.9 5.6
S	.0	.1	.7	4.0	.3	2.1	.3	1.6	.1	.6	.0	.2	.0	.0	1.4 8.6
SSW	.0	.2	.7	4.1	.3	1.6	.3	1.8	.2	1.3	.1	.3	.0	.1	1.6 9.4
SW	.0	.1	.5	3.2	.3	1.8	.2	1.5	.2	1.0	.0	.3	.0	.1	1.3 8.0
WSW	.0	.1	.6	3.6	.3	2.1	.4	2.4	.3	1.6	.1	.4	.0	.1	1.7 10.2
W	.0	.1	.8	4.6	.5	3.1	.5	3.0	.2	1.3	.0	.2	.0	.0	2.0 12.3
WNW	.0	.1	.5	3.3	.4	2.5	.2	1.5	.2	1.3	.0	.1	.0	.0	1.5 8.9
NW	.0	.2	.5	3.1	.2	1.4	.2	1.1	.1	.9	.0	.0	.0	.0	1.1 6.7
NNW	.0	.2	.4	2.7	.2	1.0	.2	.9	.1	.6	.0	.1	.0	.0	.9 5.5
CALM	.2	.9													.2 .9
TOTAL	.5	3.0	7.5	45.8	3.5	21.3	2.9	17.7	1.6	10.0	.3	1.9	.1	.4	16.5 100

MFD MANSFIELD, OH

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 3 / NIGHT

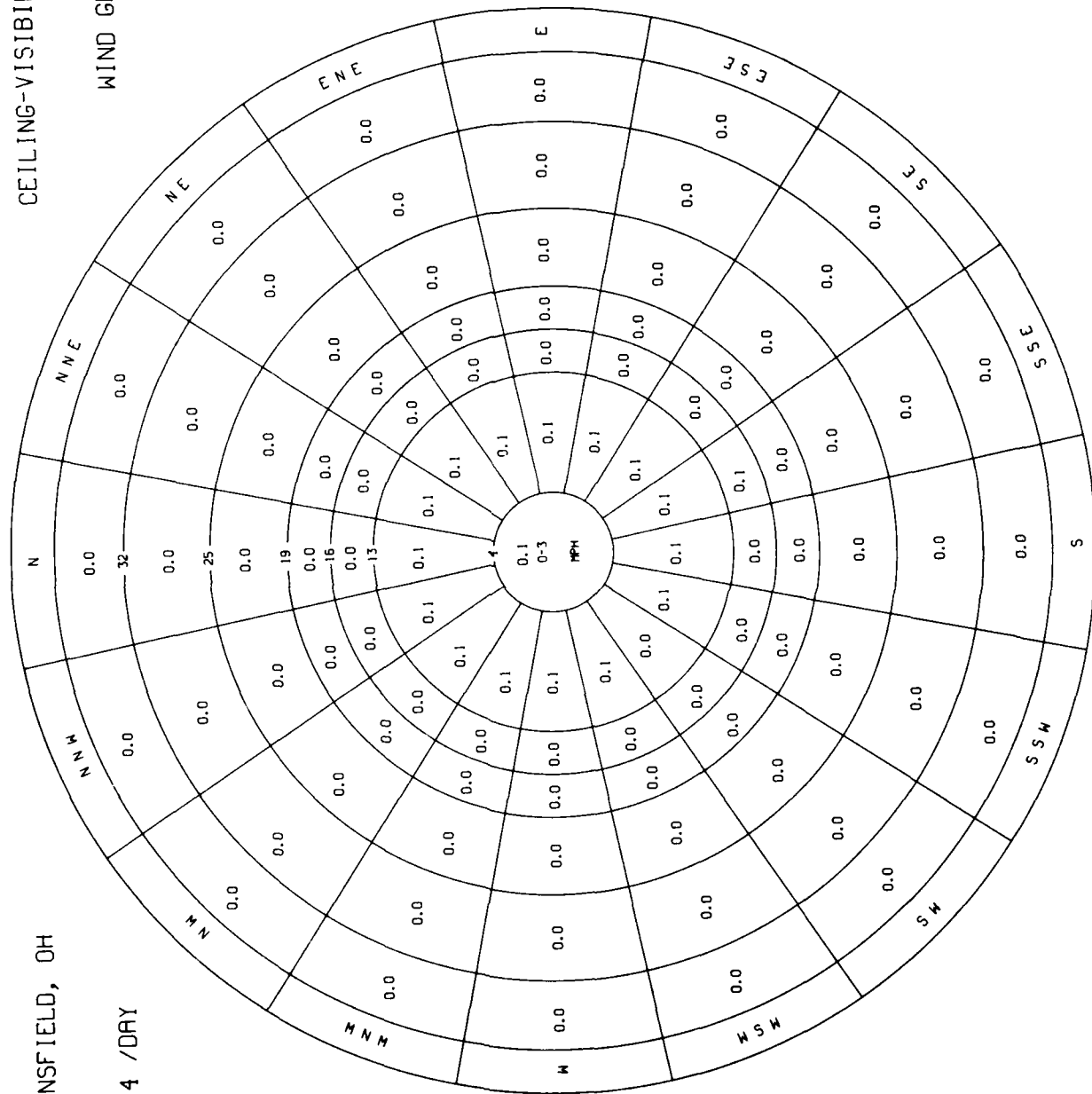
STATION NUMBER: 14891

NO. OBS.: 3339

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	3.6	.2	1.3	.2	1.4	.1	.5	.0	.0	.0	.0	1.0	6.9	12.0
NNE	.0	.1	.4	2.7	.1	.7	.1	.8	.1	.4	.0	.0	.0	.0	.7	4.6	12.2
NE	.0	.0	.3	1.9	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.4	2.7	10.6
ENE	.0	.1	.2	1.5	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.2	10.2
E	.0	.1	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.9	10.0
ESE	.0	.2	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.2	10.0
SE	.0	.2	.3	1.8	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.4	2.9	11.0
SSE	.0	.2	.4	2.9	.1	.8	.1	1.0	.0	.3	.0	.1	.0	.0	.8	5.3	11.8
S	.0	.1	.6	4.3	.2	1.6	.3	1.8	.1	.6	.0	.1	.0	.0	1.2	8.7	12.7
SSW	.0	.1	.4	2.7	.2	1.3	.2	1.7	.2	1.1	.1	.5	.0	.0	1.1	7.4	15.3
SW	.0	.3	.6	4.1	.2	1.6	.3	1.9	.1	1.0	.0	.1	.0	.1	1.3	9.1	13.1
WSW	.0	.1	.7	4.8	.3	1.9	.4	2.8	.2	1.6	.1	.4	.0	.0	1.6	11.5	14.1
W	.0	.2	.7	4.9	.4	2.9	.4	2.9	.2	1.3	.0	.2	.0	.0	1.8	12.4	13.6
WNW	.0	.1	.6	4.3	.3	2.2	.3	2.3	.1	1.0	.0	.1	.0	.0	1.4	9.9	13.7
NW	.0	.1	.4	3.1	.2	1.2	.2	1.4	.1	.6	.0	.1	.0	.0	.9	6.6	12.9
NNW	.0	.1	.4	2.6	.1	.8	.1	.8	.1	.4	.0	.0	.0	.0	.7	4.7	12.3
CALM	.1	.8													.1	.8	
TOTAL	.4	2.9	6.9	48.3	2.5	17.8	2.8	19.7	1.3	9.3	.3	1.8	.0	.2	14.2	100	12.8

CEILING-VISIBILITY

WIND GRAPH



MFD MANSFIELD, OH

CLASS 4 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 4 / DAY

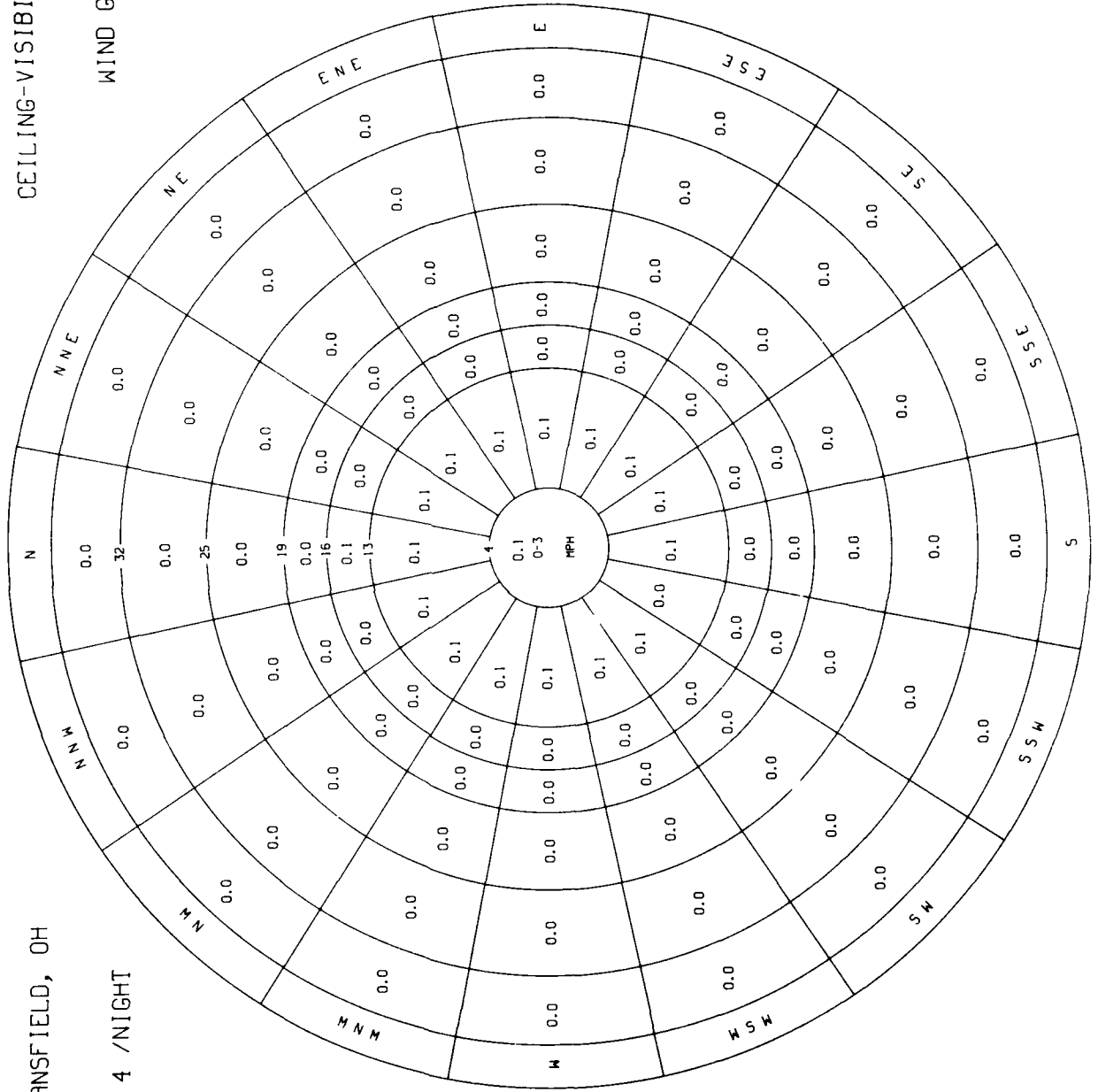
STATION NUMBER: 14891

NO. OBS.: 740

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	.1	5.1	.0	1.6	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.2	8.9	12.1
NNE	.0	.1	.1	4.1	.0	1.1	.0	.5	.0	.8	.0	.0	.0	.0	.0	.2	6.6	11.7
NE	.0	.4	.1	3.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	8.6
ENE	.0	.1	.1	2.0	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	3.0	10.7
E	.0	.1	.1	3.8	.0	.5	.0	.5	.0	.1	.0	.0	.0	.0	.0	.1	5.1	10.2
ESE	.0	.0	.1	2.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	2.8	10.7
SE	.0	.3	.1	3.2	.0	.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.1	5.0	10.9
SSE	.0	.5	.1	4.1	.1	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.2	7.2	10.4
S	.0	.4	.1	3.4	.0	1.8	.0	1.2	.0	.7	.0	.3	.0	.0	.0	.2	7.7	12.2
SSW	.0	.1	.1	3.0	.0	1.5	.0	1.4	.0	.3	.0	.1	.0	.0	.0	.2	6.4	13.0
SW	.0	.1	.0	1.9	.0	.7	.0	.9	.0	.4	.0	.3	.0	.0	.0	.1	4.3	14.1
WSW	.0	.0	.1	2.7	.0	.4	.0	1.4	.0	1.1	.0	.4	.0	.1	.0	.2	6.1	15.2
W	.0	.4	.1	2.7	.0	1.4	.0	1.2	.0	1.1	.0	.7	.0	.3	.0	.2	7.7	15.0
WNW	.0	.0	.1	3.0	.0	1.4	.0	1.2	.0	1.1	.0	.5	.0	.0	.0	.2	7.3	14.4
NW	.0	.3	.1	3.8	.0	1.8	.0	1.4	.0	.4	.0	.4	.0	.0	.0	.2	8.0	12.7
NNW	.0	.1	.1	3.8	.0	1.5	.0	1.2	.0	.8	.0	.1	.0	.0	.0	.2	7.6	12.7
CALM	.0	1.9													.0	.0	1.9	
TOTAL	.1	5.1	1.3	52.0	.5	18.0	.4	14.1	.2	7.6	.1	2.8	.0	.4	.0	2.6	100	12.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 4 / NIGHT

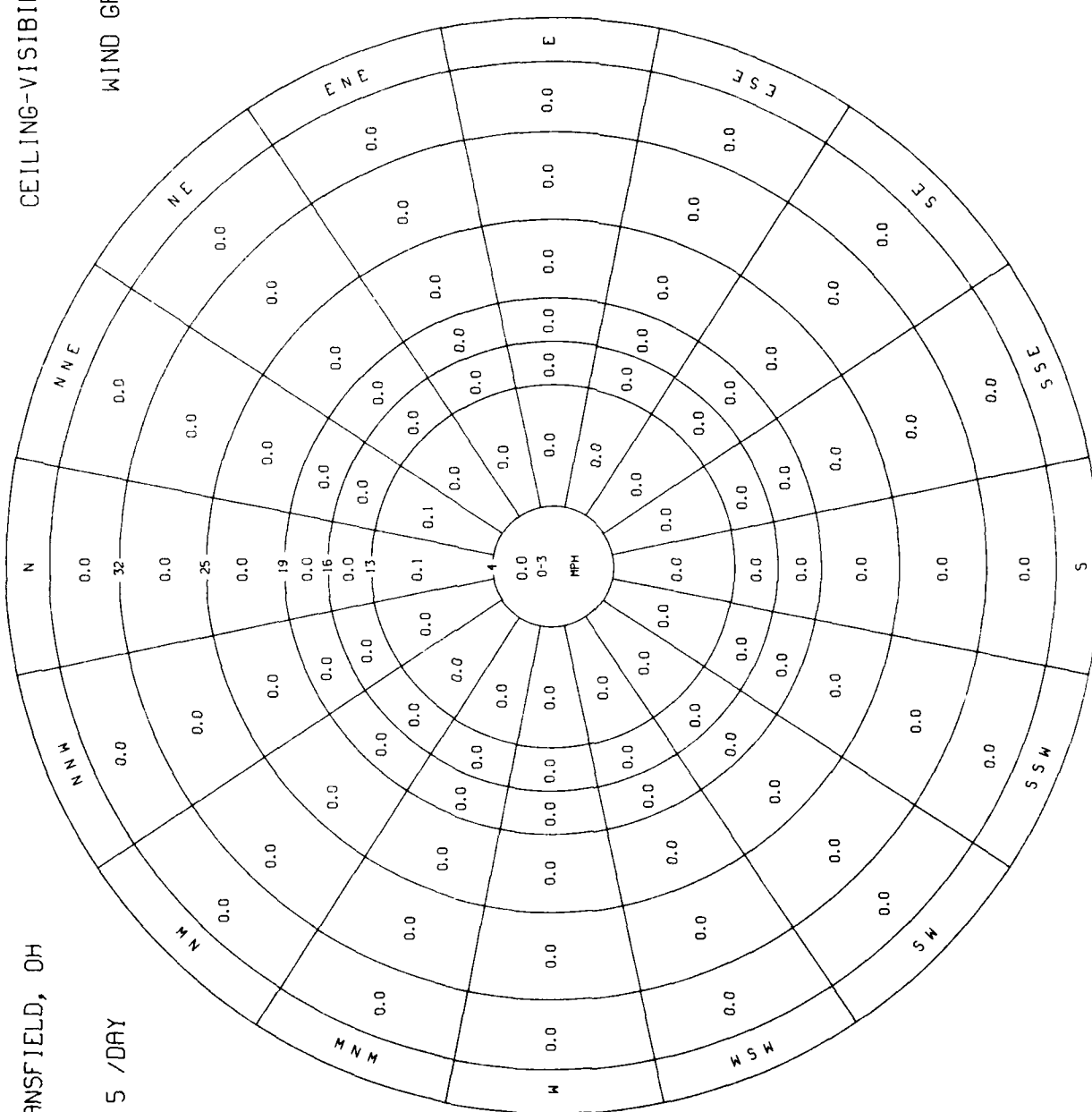
STATION NUMBER: 14891

NO. OBS.: 579

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	.3	.1	5.4	.1	3.5	.0	1.7	.0	.2	.0	.2	.0	.0	.3	11.2	12.3
NNE	.0	.5	.1	2.9	.0	.7	.0	1.0	.0	.2	.0	.0	.0	.0	.1	5.4	10.9
NE	.0	.0	.1	3.3	.0	.9	.0	.5	.0	.2	.0	.0	.0	.0	.1	4.8	11.1
ENE	.0	.2	.1	2.8	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.1	3.6	9.2
E	.0	.2	.1	3.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.1	9.8
ESE	.0	.5	.1	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.8	8.8
SE	.0	.5	.1	2.1	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.1	9.8
SSE	.0	.2	.1	4.1	.0	1.6	.0	1.0	.0	.5	.0	.0	.0	.0	.2	7.4	12.3
S	.0	.3	.1	5.5	.0	1.0	.0	1.2	.0	.5	.0	.0	.0	.0	.2	8.6	10.7
SSW	.0	.2	.0	1.6	.0	1.0	.0	.7	.0	.7	.0	.2	.0	.0	.1	4.3	14.1
SW	.0	.3	.1	2.2	.0	1.2	.0	.7	.0	.0	.0	.2	.0	.0	.1	4.7	11.5
WSW	.0	.0	.1	3.1	.0	1.6	.0	.3	.0	.5	.0	.3	.0	.2	.1	6.0	13.3
W	.0	.2	.1	4.1	.0	1.6	.0	1.4	.0	.5	.0	.2	.0	.0	.2	7.9	12.9
WNW	.0	.0	.1	4.0	.0	.9	.0	1.2	.0	.3	.0	.0	.0	.0	.2	6.4	12.3
NW	.0	.0	.1	4.5	.0	.9	.0	1.0	.0	.7	.0	.2	.0	.0	.2	7.3	12.6
NNW	.0	.2	.1	4.8	.0	1.7	.0	.7	.0	.7	.0	.0	.0	.0	.2	8.1	11.6
CALM	.1	2.1													.1	2.1	
TOTAL	.1	5.7	1.4	56.8	.4	17.8	.3	13.3	.1	5.0	.0	1.2	.0	.2	2.5	100	11.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 5 / DAY

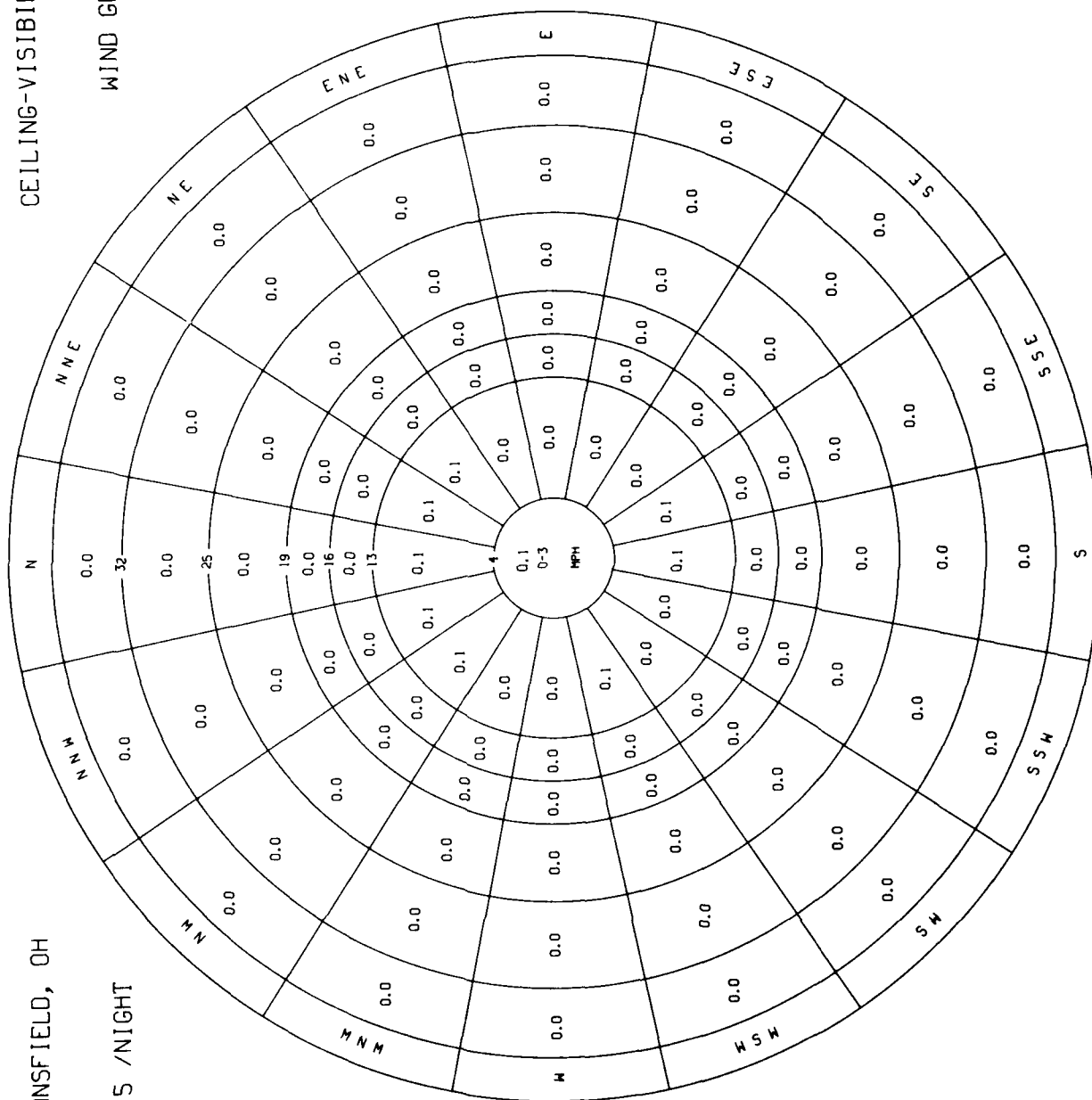
STATION NUMBER: 14891

NO. OBS.: 189

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	.1	7.9	.0	2.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.1	11.1	10.8
NNE	.0	.0	.1	9.0	.0	1.1	.0	.5	.0	.0	.0	.5	.0	.0	.0	.1	11.1	10.6
NE	.0	.5	.0	3.7	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	5.3	8.0
ENE	.0	.5	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.8
E	.0	.0	.0	4.8	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	6.3	9.8
ESE	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.7
SE	.0	.0	.0	4.2	.0	1.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	6.3	10.8
SSE	.0	.0	.0	3.2	.0	1.1	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	5.3	11.9
S	.0	.0	.0	2.6	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	5.3	11.7
SSW	.0	.0	.0	3.2	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	5.3	13.0
SW	.0	.0	.0	1.1	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	12.8
WSW	.0	.5	.0	3.2	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.8	9.1
W	.0	.5	.0	4.8	.0	1.1	.0	.5	.0	1.1	.0	.5	.0	.0	.0	.1	8.5	12.6
WNW	.0	.5	.0	4.8	.0	.5	.0	.5	.0	.5	.0	1.1	.0	.0	.0	.1	7.9	13.3
NW	.0	.0	.0	3.2	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	4.8	10.7
NNW	.0	.5	.0	2.6	.0	2.1	.0	.5	.0	.5	.0	.0	.0	.0	.5	.0	6.9	12.8
CALM	.0	2.1														.0	2.1	
TOTAL	.0	5.3	.4	63.5	.1	16.4	.1	7.9	.0	4.2	.0	2.1	.0	.5	.0	7	100	10.8

CEILING-VISIBILITY

WIND GRAPH



MFD MANSFIELD, OH

CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: MFD MANSFIELD, OH

CLASS 5 / NIGHT

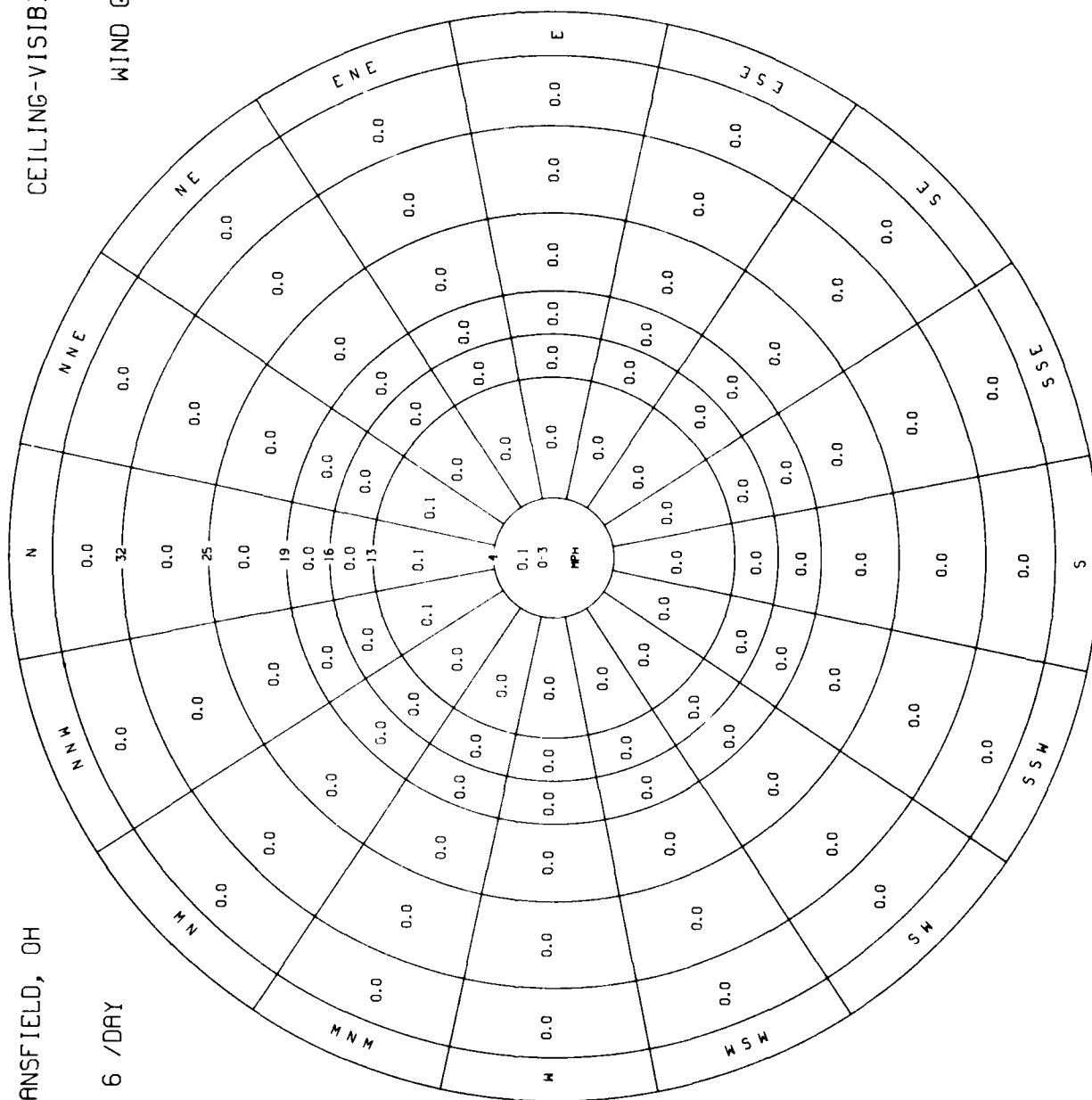
NO. OBS.: 257

STATION NUMBER: 14891

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	.4	.1	10.1	.0	.4	.0	.8	.0	.8	.0	.0	.0	.0	.1 12.5
NNE	.0	.0	.1	6.6	.0	1.6	.0	.8	.0	.4	.0	.0	.0	.0	.1 9.3
NE	.0	.0	.1	6.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.0
ENE	.0	.0	.0	1.6	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 2.3
E	.0	.0	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
ESE	.0	.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
SE	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
SSE	.0	.4	.1	5.1	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.1 7.4
S	.0	.4	.1	5.1	.0	1.2	.0	.4	.0	.4	.0	.0	.0	.0	.1 7.4
SSW	.0	.0	.0	3.5	.0	.8	.0	.4	.0	.4	.0	.0	.0	.0	.1 5.1
SW	.0	.0	.0	2.7	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0 3.9
WSW	.0	.4	.1	4.7	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.1 5.8
W	.0	.4	.0	2.7	.0	1.2	.0	.4	.0	1.6	.0	.0	.0	.0	.1 6.2
WNW	.0	.4	.0	4.3	.0	.0	.0	.0	.0	.8	.0	.0	.0	.4	.1 5.8
NW	.0	.4	.1	5.8	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.1 7.4
NNW	.0	.8	.1	7.0	.0	.8	.0	.4	.0	.8	.0	.0	.0	.0	.1 9.7
CALM	.0	1.9													.0 1.9
TOTAL	.1	5.8	.8	73.2	.1	9.3	.1	5.8	.1	5.4	.0	.0	.0	.4	1.1 10.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 6 / DAY

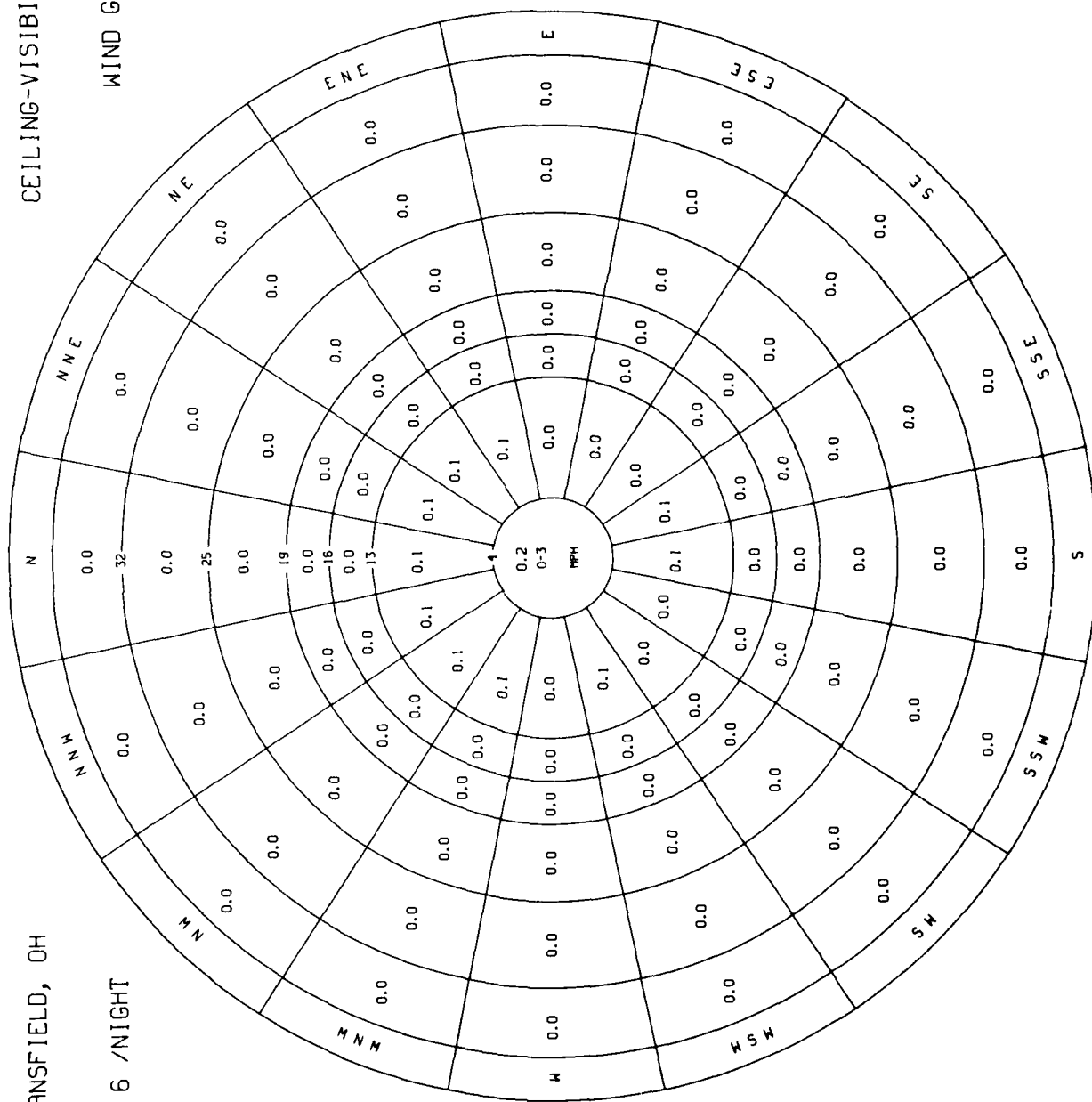
STATION NUMBER: 14891

NO. OBS.: 206

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	11.2	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 14.6
NNE	.0	.5	.1	9.2	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.1 11.2
NE	.0	1.0	.0	3.4	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0 4.9
ENE	.0	1.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
E	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ESE	.0	.5	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SE	.0	.0	.0	4.4	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 4.9
SSE	.0	.5	.0	4.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.3
S	.0	1.9	.0	4.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.8
SSW	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0 2.9
SW	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0	1.0	.0	.0	.0 2.4
WSW	.0	.5	.0	1.9	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.0	.0 3.9
W	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0 4.4
WNW	.0	1.0	.0	2.9	.0	.0	.0	.5	.0	.0	.0	.5	.0	1.0	.0 5.8
NW	.0	.0	.0	3.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
NNW	.0	1.0	.1	7.8	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.1 10.2
CALM	.0	5.8													.0 5.8
TOTAL	.1	15.0	.5	68.9	.1	7.8	.0	2.4	.0	1.9	.0	1.9	.0	1.9	.7 100

MFD MANSFIELD, OH

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MFD MANSFIELD, OH

PERIOD: 1949-1978

CLASS 6 / NIGHT

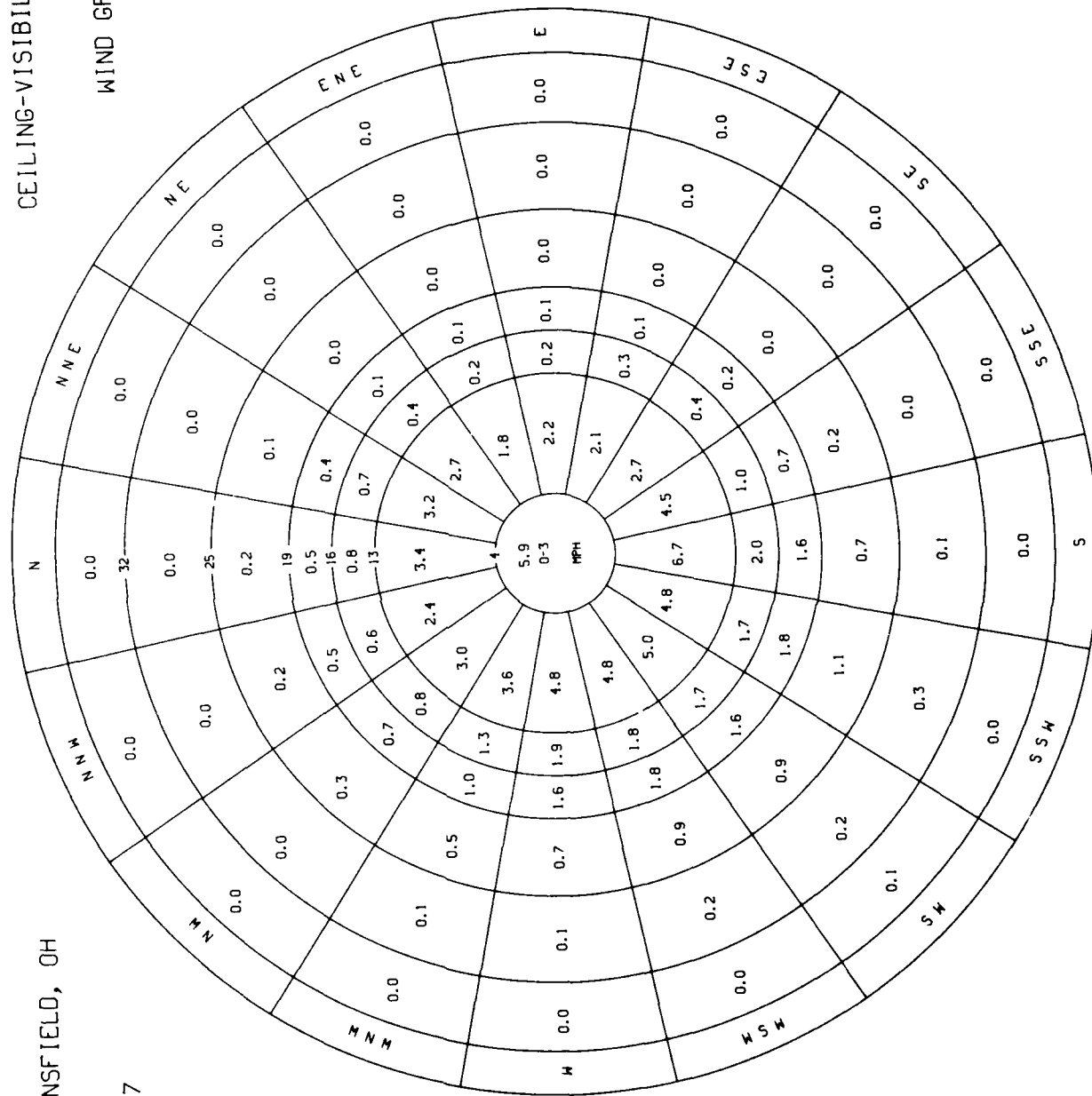
STATION NUMBER: 14891

NO. OBS.: 318

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	8.8	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.2	11.3	8.6
NNE	.0	.3	.1	5.7	.0	1.3	.0	.6	.0	.3	.0	.0	.0	.0	.0	.1	8.2	10.4
NE	.0	.9	.1	4.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	7.9
ENE	.0	.0	.1	5.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	8.6
E	.0	1.6	.0	2.8	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.1	5.0	7.2
ESE	.0	.3	.0	2.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	7.7
SE	.0	.0	.0	3.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	8.5
SSE	.0	.0	.1	5.7	.0	1.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	7.5	9.9
S	.0	.9	.1	4.1	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	6.0	8.4
SSW	.0	.0	.0	3.1	.0	.6	.0	.0	.0	.0	.0	.9	.0	.0	.0	.1	4.7	13.9
SW	.0	.0	.0	.9	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	1.6	11.2
WSW	.0	.6	.1	4.4	.0	.0	.0	.3	.0	.0	.0	.3	.0	.0	.0	.1	5.7	9.1
W	.0	1.6	.0	2.5	.0	.0	.0	.0	.0	.6	.0	.0	.0	.9	.0	.1	5.7	12.4
WNW	.0	.3	.1	6.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.9	9.3
NW	.0	.3	.1	5.3	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.1	7.2	9.3
NNW	.0	.9	.1	4.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	7.9
CALM	.1	4.7														.1	4.7	
TOTAL	.2	13.5	.9	69.2	.1	10.7	.0	2.8	.0	1.6	.0	1.3	.0	.9	.1	4	100	8.9

CEILING-VISIBILITY

WIND GRAPH

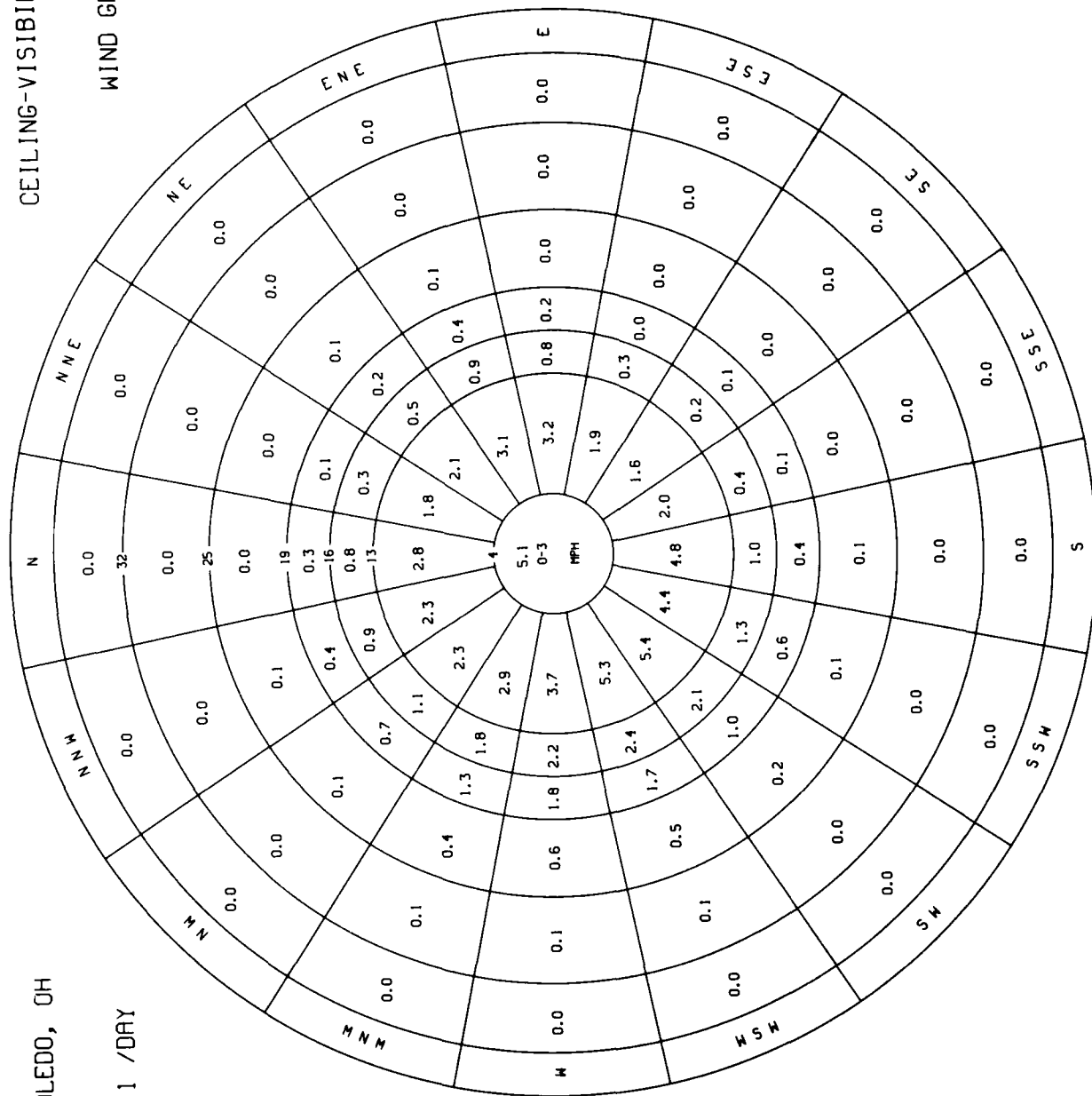


CEILING-VISIBILITY

WIND GRAPH

TOL TOLEDO, OH

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

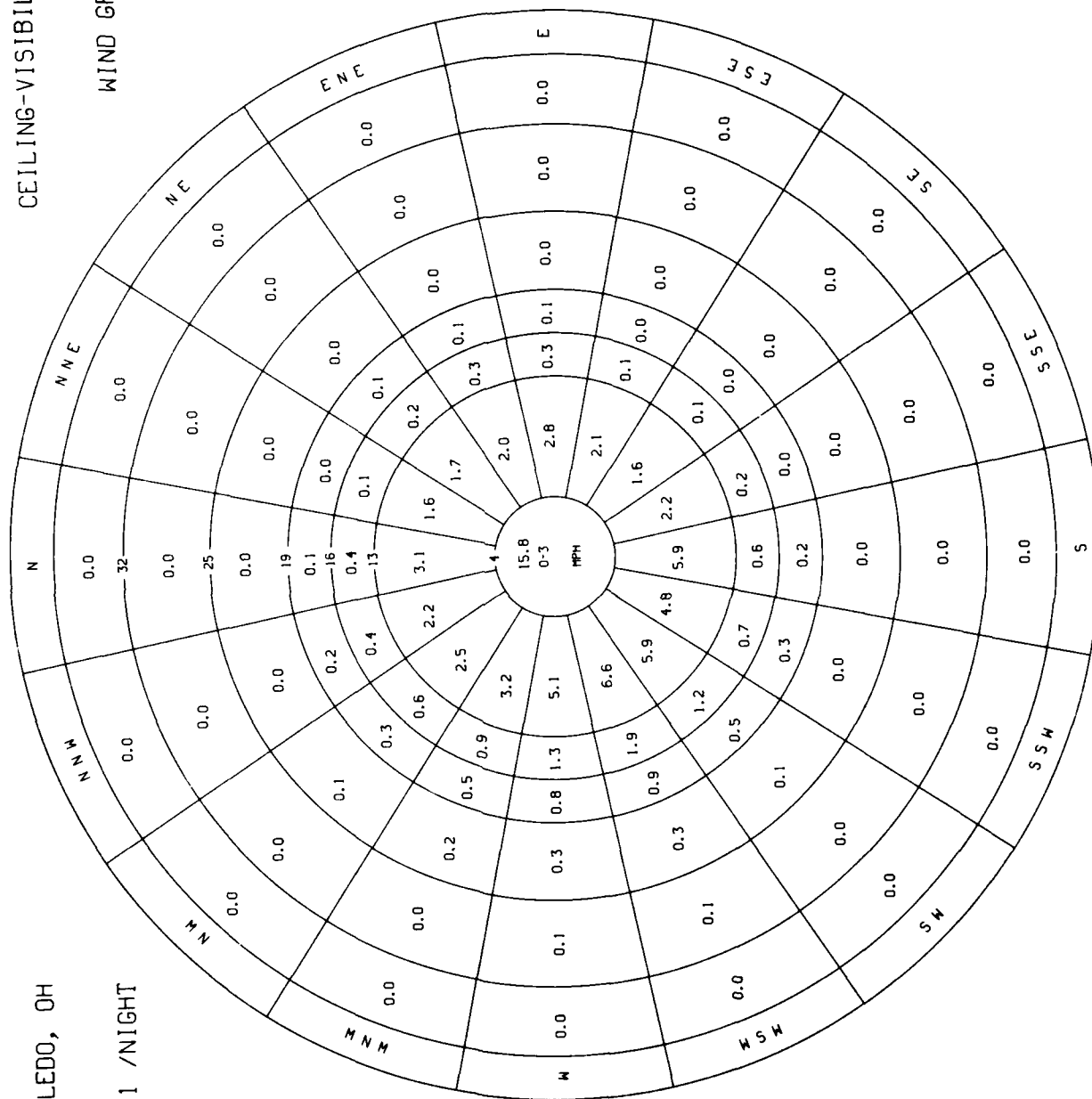
CLASS 1 / DAY

NO. OBS.: 26559

STATION NUMBER: 94830

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	.3	2.8	3.4	.8	1.0	.3	.4	.0	.1	.0	.0	.0	.0	4.3	5.2	9.7
NNE	.2	.2	1.8	2.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.7	8.7
NE	.2	.2	2.1	2.4	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	3.0	3.6	9.6
ENE	.2	.2	3.1	3.7	.9	1.0	.4	.5	.1	.1	.0	.0	.0	.0	4.6	5.5	10.2
E	.2	.3	3.2	3.8	.8	1.0	.2	.2	.0	.0	.0	.0	.0	.0	4.4	5.3	9.6
ESE	.2	.2	1.9	2.3	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.4	2.8	8.4
SE	.2	.2	1.6	2.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.1	2.5	8.2
SSE	.2	.2	2.0	2.3	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	2.8	3.3	9.1
S	.3	.4	4.8	5.7	1.0	1.2	.4	.4	.1	.1	.0	.0	.0	.0	6.6	7.9	9.2
SSW	.3	.4	4.4	5.3	1.3	1.6	.6	.8	.1	.1	.0	.0	.0	.0	6.8	8.1	10.2
SW	.3	.4	5.4	6.5	2.1	2.5	1.0	1.2	.2	.3	.0	.0	.0	.0	9.2	11.0	11.0
WSW	.3	.3	5.3	6.4	2.4	2.8	1.7	2.0	.5	.6	.1	.2	.0	.0	10.3	12.3	11.9
W	.2	.3	3.7	4.4	2.2	2.6	1.8	2.1	.6	.8	.1	.1	.0	.0	8.6	10.3	12.7
WNW	.2	.2	2.9	3.5	1.8	2.2	1.3	1.5	.4	.5	.1	.1	.0	.0	6.7	8.0	12.6
NW	.1	.1	2.3	2.7	1.1	1.3	.7	.8	.1	.2	.0	.0	.0	.0	4.3	5.2	11.7
NNW	.2	.2	2.3	2.7	.9	1.1	.4	.5	.1	.1	.0	.0	.0	.0	3.8	4.6	10.8
CALM	1.6	1.9													1.6	1.9	
TOTAL	5.1	6.1	49.6	59.1	17.1	20.3	9.3	11.1	2.4	2.9	.4	.5	.0	.0	83.8	100	10.5

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

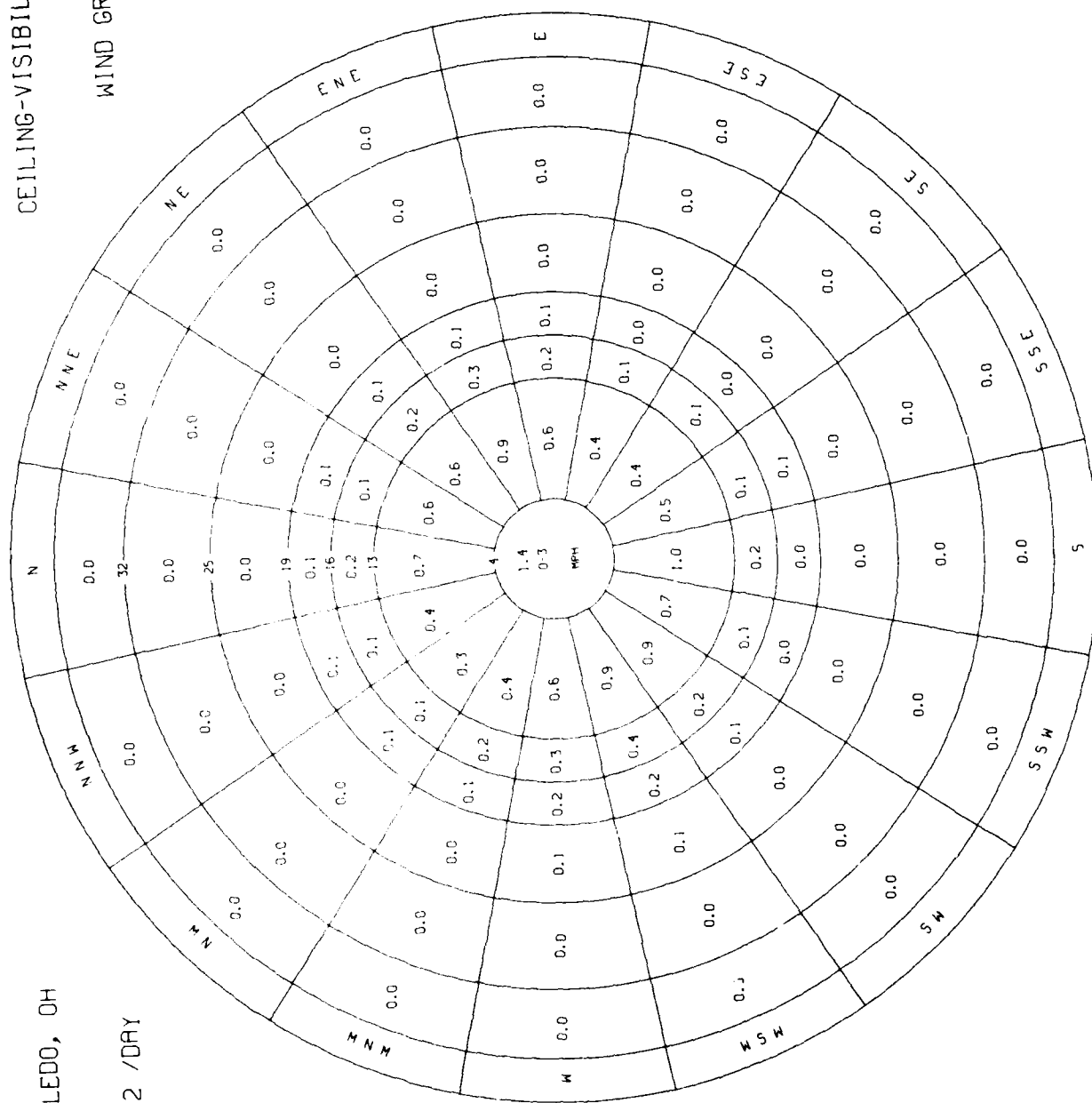
CLASS 1 / NIGHT

NO. OBS.: 22459

STATION NUMBER: 94830

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	.5	.6	3.1	3.6	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	4.1	4.8	7.8
NNE	.3	.4	1.6	1.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.5	7.2
NE	.3	.4	1.7	2.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4	2.8	7.8
ENE	.5	.6	2.0	2.4	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.0	3.6	7.7
E	.6	.7	2.8	3.4	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.7	4.4	7.5
ESE	.5	.6	2.1	2.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.3	6.5
SE	.6	.7	1.6	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.8	6.1
SSE	.6	.7	2.2	2.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.7	6.8
S	.7	.9	5.9	7.1	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	7.5	8.9	7.8
SSW	.6	.7	4.8	5.7	.7	.9	.3	.4	.0	.0	.0	.0	.0	.0	6.5	7.7	8.3
SW	.7	.9	5.9	7.1	1.2	1.5	.5	.6	.1	.1	.0	.0	.0	.0	8.5	10.1	8.9
WSW	.7	.8	6.6	7.9	1.9	2.2	.9	1.1	.3	.4	.1	.1	.0	.0	10.5	12.4	9.9
W	.8	.9	5.1	6.0	1.3	1.6	.8	.9	.3	.4	.1	.1	.0	.0	8.4	10.0	10.0
WNW	.4	.5	3.2	3.9	.9	1.1	.5	.6	.2	.2	.0	.0	.0	.0	5.3	6.3	10.0
NW	.3	.4	2.5	2.9	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	3.7	4.4	9.5
NNW	.4	.4	2.2	2.6	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	3.2	3.8	8.6
CALM	7.2	8.6													7.2	8.6	
TOTAL	15.8	18.8	53.4	63.5	9.3	11.0	4.2	5.0	1.1	1.3	.3	.3	.0	.0	84.1	100	7.9

CEILING-VISIBILITY
WIND GRAPH



TOL TOLEDO, OH
CLASS 2 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

CLASS 2 / DAY

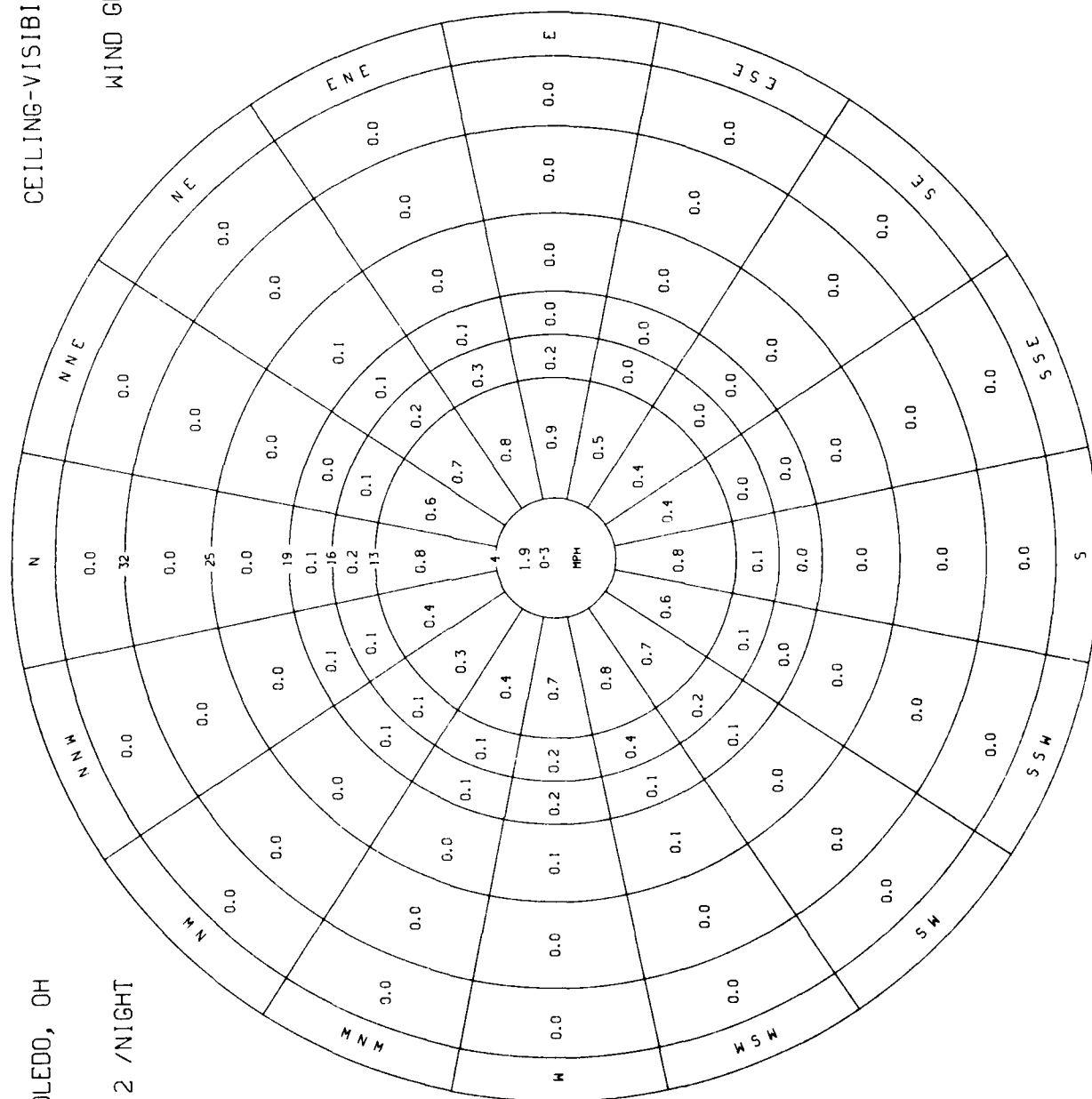
NO. OBS.: 5118

STATION NUMBER: 94830

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	.7	4.3	.2	1.4	.1	.7	.0	.2	.0	.0	.0	.0	1.1	7.0	10.3
NNE	.0	.3	.6	3.8	.1	.7	.1	.3	.0	.1	.0	.0	.0	.0	.8	5.2	9.3
NE	.1	.3	.6	3.8	.2	1.2	.1	.8	.0	.2	.0	.0	.0	.0	1.0	6.4	10.7
ENE	.1	.4	.9	5.5	.3	1.9	.1	.8	.0	.2	.0	.0	.0	.0	1.4	8.9	10.6
E	.1	.4	.6	3.9	.2	1.4	.1	.4	.0	.1	.0	.0	.0	.0	1.0	6.2	10.0
ESE	.0	.3	.4	2.5	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.4	8.6
SE	.1	.4	.4	2.6	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.6	8.3
SSE	.0	.2	.5	2.9	.1	.4	.1	.3	.0	.0	.0	.0	.0	.0	.6	3.8	8.9
S	.1	.7	1.0	6.0	.2	1.0	.0	.3	.0	.0	.0	.0	.0	.0	1.3	7.8	8.5
SSW	.0	.3	.7	4.4	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.9	5.8	9.1
SW	.1	.4	.9	5.7	.2	1.4	.1	.4	.0	.2	.0	.1	.0	.0	1.3	8.2	9.8
WSW	.1	.4	.6	3.5	.3	1.8	.2	1.4	.1	.4	.0	.1	.0	.0	1.7	10.2	11.4
W	.1	.4	.6	3.5	.3	1.8	.2	1.3	.1	.4	.0	.1	.0	.0	1.2	7.4	11.9
WNW	.0	.2	.4	2.3	.2	1.3	.1	.6	.0	.2	.0	.1	.0	.0	.7	4.6	11.5
NW	.0	.1	.3	2.1	.1	.8	.1	.5	.0	.2	.0	.0	.0	.0	.6	3.9	11.3
NNW	.0	.2	.4	2.4	.1	.9	.1	.3	.0	.2	.0	.1	.0	.0	.7	4.0	10.8
CALM	.5	3.3													.5	3.3	
TOTAL	1.4	8.7	9.9	61.4	2.9	18.2	1.4	8.6	.4	2.5	.1	.5	.0	.0	16.2	100	9.9

TOL TOLEDO, OH

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TOL TOLEDO, OH

PERIOD: 1959-1978

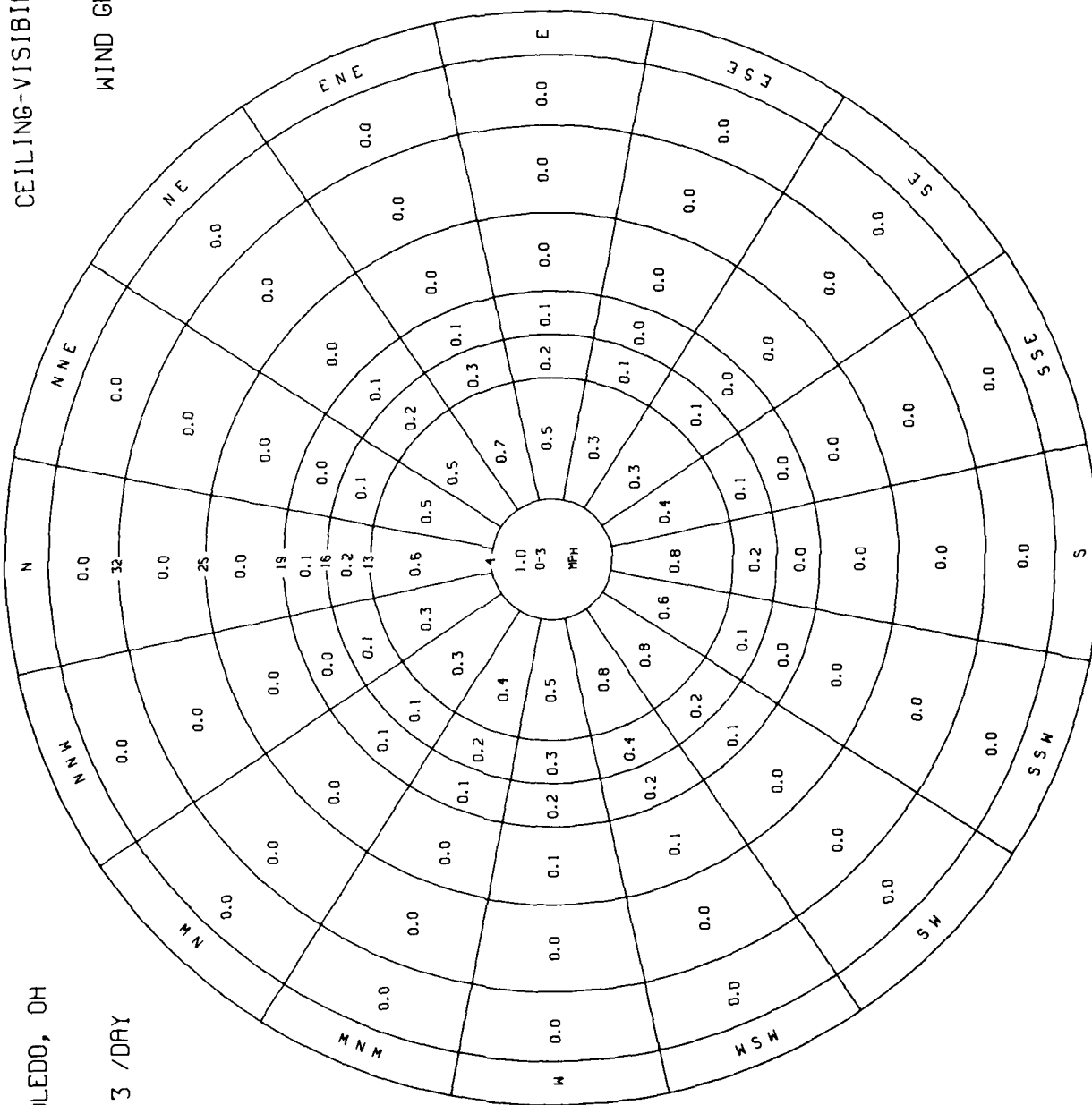
CLASS 2 / NIGHT

STATION NUMBER: 94830

NO. OBS.: 4256

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	.8	4.9	.2	1.4	.1	.7	.0	.1	.0	.0	.0	.0	1.2 7.5 10.1
NNE	.1	.4	.6	3.7	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.8 5.2 9.0
NE	.1	.4	.7	4.1	.2	1.3	.1	.9	.1	.4	.0	.1	.0	.0	1.1 7.1 11.0
ENE	.1	.6	.8	5.3	.3	1.7	.1	.8	.0	.2	.0	.0	.0	.0	1.4 8.6 10.2
E	.1	.9	.9	5.7	.2	1.3	.0	.3	.0	.0	.0	.0	.0	.0	1.3 8.2 8.6
ESE	.1	.5	.5	3.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.3 7.7
SE	.1	.5	.4	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.3 7.5
SSE	.1	.6	.4	2.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.6 3.6 7.7
S	.1	.7	.8	5.1	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.1 6.7 8.1
SSW	.1	.4	.6	3.7	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.8 5.1 8.8
SW	.1	.4	.7	4.5	.2	1.5	.1	.4	.0	.1	.0	.0	.0	.0	1.1 7.1 10.0
WSW	.1	.4	.8	5.1	.4	2.3	.1	.9	.1	.4	.0	.0	.0	.0	1.5 9.2 11.0
W	.1	.5	.7	4.2	.2	1.4	.2	1.1	.1	.5	.0	.0	.0	.0	1.2 7.8 11.5
WNW	.1	.3	.4	2.4	.1	.8	.1	.6	.0	.2	.0	.0	.0	.0	.7 4.4 10.8
NW	.0	.2	.3	2.0	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.6 3.5 10.5
NNW	.0	.2	.4	2.3	.1	.8	.1	.4	.0	.1	.0	.0	.0	.0	.6 3.8 10.8
CALM	.7	4.7													.7 4.7
TOTAL	1.9	12.2	9.8	61.5	2.6	16.0	1.2	7.5	.4	2.5	.0	.3	.0	.0	15.9 100 9.3

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

CLASS 3 / DAY

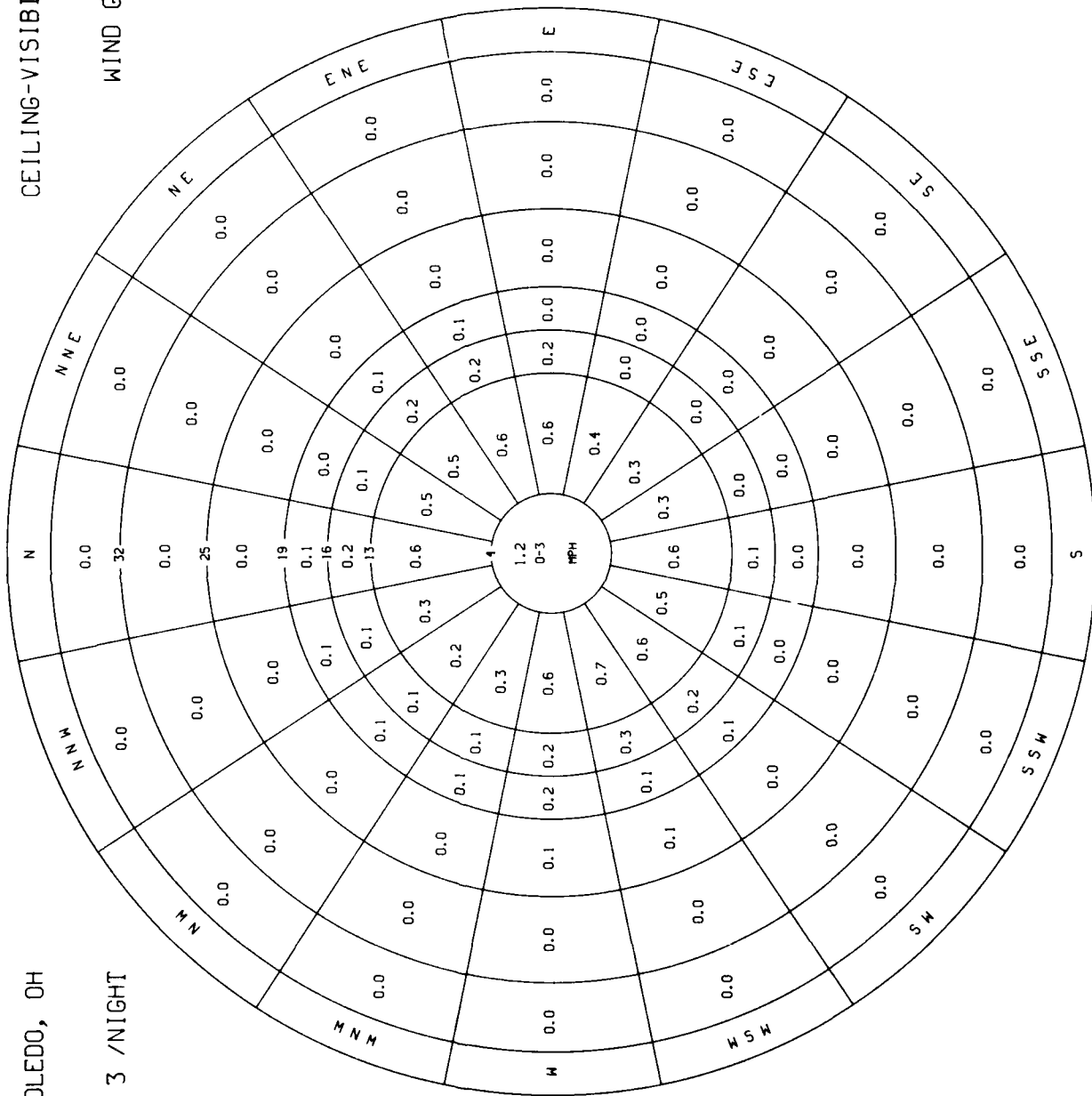
NO. OBS.: 4269

STATION NUMBER: 94830

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	.6	4.1	.2	1.5	.1	.7	.0	.1	.0	.0	.0	.0	.9 6.7 10.6
NNE	.0	.2	.5	3.9	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.2 9.4
NNE	.0	.3	.5	3.4	.2	1.2	.1	.8	.0	.1	.0	.0	.0	.0	.8 5.9 10.8
ENE	.0	.3	.7	5.2	.3	1.9	.1	.8	.0	.2	.0	.0	.0	.0	1.1 8.4 10.8
E	.0	.2	.5	3.4	.2	1.5	.1	.4	.0	.1	.0	.0	.0	.0	.8 5.7 10.6
ESE	.0	.2	.3	2.3	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.2 8.9
SE	.1	.4	.3	2.4	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5 3.5 8.7
SSE	.0	.2	.4	2.6	.1	.4	.0	.3	.0	.0	.0	.0	.0	.0	.5 3.6 9.2
S	.1	.6	.8	6.0	.2	1.1	.0	.3	.0	.0	.0	.0	.0	.0	1.1 8.1 8.8
SSW	.0	.3	.6	4.6	.1	.9	.0	.3	.0	.0	.0	.0	.0	.0	.8 6.2 9.2
SW	.0	.4	.8	5.9	.2	1.6	.1	.5	.0	.2	.0	.1	.0	.0	1.2 8.6 9.9
WSW	.0	.4	.8	6.1	.4	2.6	.2	1.6	.1	.5	.0	.1	.0	.0	1.5 11.3 11.5
W	.0	.4	.5	3.7	.3	2.0	.2	1.5	.1	.5	.0	.0	.0	.0	1.1 8.0 12.1
NNW	.0	.1	.4	2.7	.2	1.5	.1	.6	.0	.1	.0	.1	.0	.0	.7 5.1 11.7
NW	.0	.1	.3	2.0	.1	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.5 3.9 11.6
NNW	.0	.1	.3	2.3	.1	1.0	.0	.4	.0	.2	.0	.1	.0	.0	.6 4.1 11.3
CALM	.4	2.8													.4 2.8
TOTAL	1.0	7.2	8.2	60.8	2.7	20.0	1.2	9.1	.3	2.4	.1	.4	.0	.0	13.5 100 10.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

CLASS 3 / NIGHT

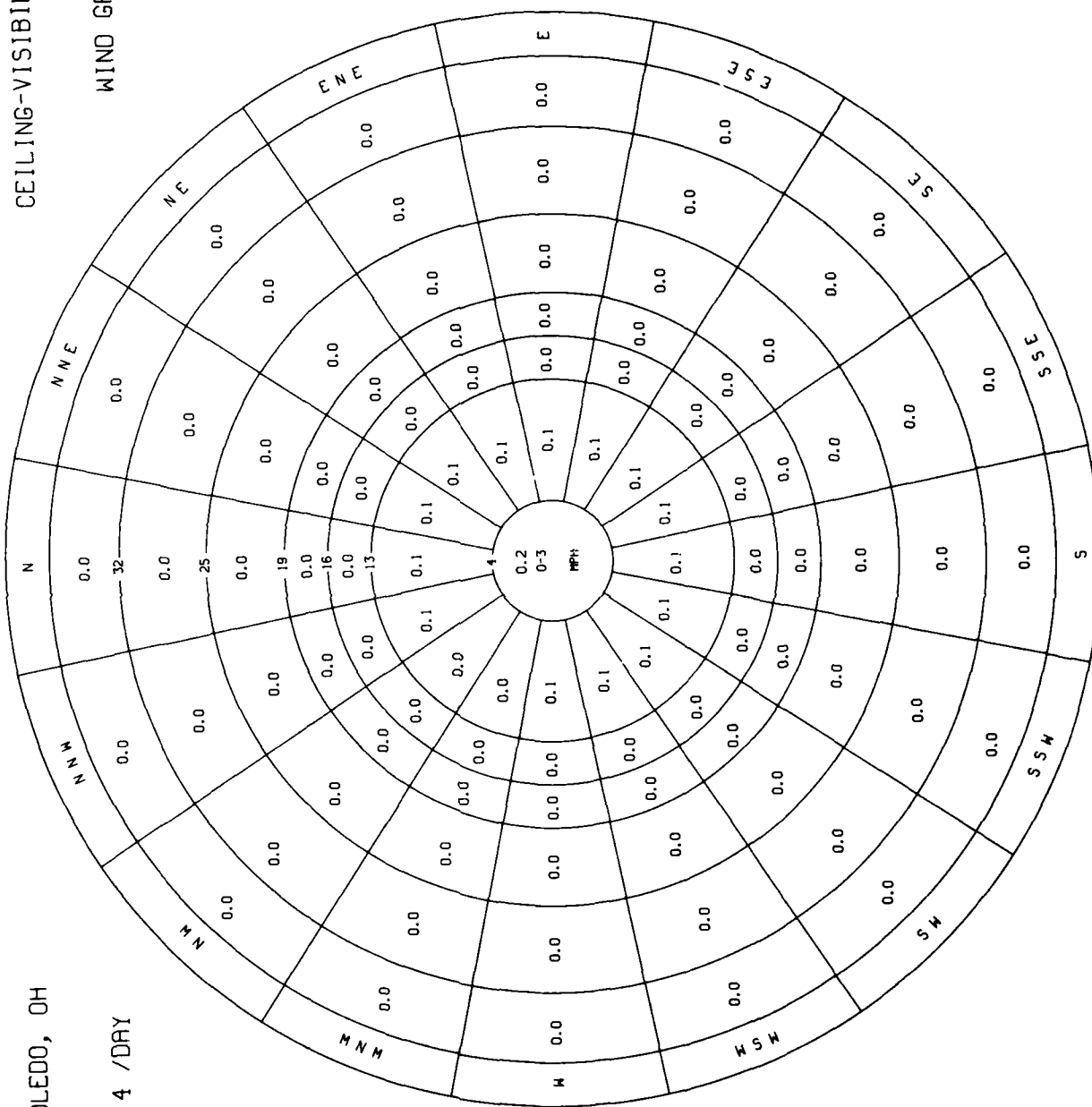
NO. OBS.: 3308

STATION NUMBER: 94830

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	4.7	.2	1.6	.1	.9	.0	.2	.0	.0	.0	.0	.9 7.5 10.7
NNE	.0	.4	.5	3.8	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.3 9.2
NNE	.0	.3	.5	4.0	.2	1.4	.1	1.0	.0	.4	.0	.1	.0	.0	.9 7.2 11.4
ENE	.0	.4	.6	5.0	.2	1.7	.1	.8	.0	.2	.0	.0	.0	.0	1.0 8.1 10.4
E	.1	.6	.6	4.8	.2	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.9 7.0 9.1
ESE	.0	.4	.4	3.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.8 8.1
SE	.0	.2	.3	2.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.8 8.1
SSE	.0	.4	.3	2.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.4 3.1 8.2
S	.1	.7	.6	5.2	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.8 6.8 8.4
SSW	.1	.4	.5	3.7	.1	.9	.0	.3	.0	.1	.0	.0	.0	.0	.7 5.5 9.2
SW	.0	.4	.6	4.9	.2	1.7	.1	.5	.0	.1	.0	.0	.0	.0	.9 7.6 10.2
WSW	.0	.4	.7	5.4	.3	2.7	.1	1.1	.1	.5	.0	.0	.0	.0	1.2 10.1 11.4
W	.1	.6	.6	4.8	.2	1.6	.2	1.4	.1	.6	.0	.0	.0	.0	1.1 9.0 11.5
WNW	.0	.3	.3	2.6	.1	1.0	.1	.7	.0	.2	.0	.1	.0	.0	.6 4.8 11.3
NW	.0	.1	.2	1.9	.1	.8	.1	.5	.0	.1	.0	.0	.0	.0	.4 3.5 11.0
NNW	.0	.2	.3	2.3	.1	1.0	.1	.5	.0	.2	.0	.0	.0	.0	.5 4.1 11.2
CALM	.5	3.8													.5 3.8
TOTAL	1.2	9.7	7.5	60.5	2.2	18.1	1.1	8.7	.3	2.7	.0	.2	.0	.0	12.4 100 9.8

CEILING-VISIBILITY

WIND GRAPH



TOL TOLEDO, OH

CLASS 4 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TOL TOLEDO, OH

PERIOD: 1959-1978

CLASS 4 / DAY

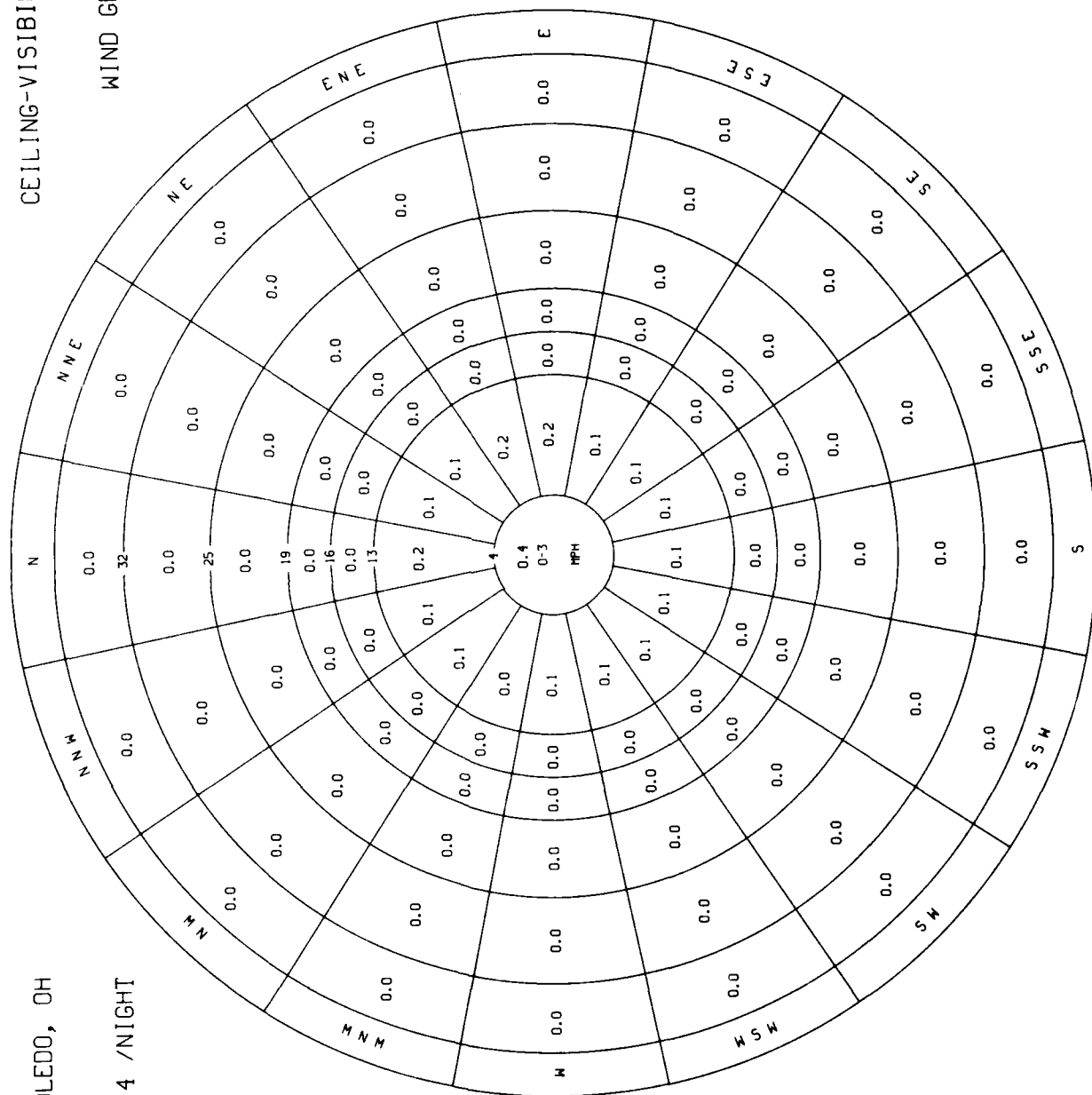
STATION NUMBER: 94830

NO. OBS.: 595

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	4.9	.0	.8	.0	.8	.0	.5	.0	.0	.0	.0	.1 7.9
NNE	.0	.3	.1	3.5	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.1 5.2
NE	.0	.2	.1	5.9	.0	1.5	.0	1.0	.0	.5	.0	.3	.0	.0	.2 9.4
ENE	.0	1.2	.1	7.4	.0	2.5	.0	1.5	.0	.2	.0	.0	.0	.0	.2 12.8
E	.0	.7	.1	6.6	.0	1.2	.0	.5	.0	.2	.0	.0	.0	.0	.2 9.1
ESE	.0	.3	.1	4.4	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.1 5.0
SE	.0	1.0	.1	3.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.7
SSE	.0	.0	.1	4.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 5.4
S	.0	.2	.1	5.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.9
SSW	.0	.5	.1	2.9	.0	.5	.0	.0	.0	.2	.0	.0	.0	.0	.1 4.0
SW	.0	.7	.1	4.0	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.1 6.1
WSW	.0	.3	.1	2.9	.0	.7	.0	.8	.0	.2	.0	.0	.0	.0	.1 4.9
W	.0	.3	.1	2.7	.0	1.2	.0	.5	.0	.5	.0	.0	.0	.0	.1 5.2
WNW	.0	.3	.0	.7	.0	.5	.0	.3	.0	.2	.0	.0	.0	.0	.0 2.0
NW	.0	.2	.0	2.5	.0	.2	.0	.2	.0	.2	.0	.2	.0	.0	.1 3.4
NNW	.0	.5	.1	2.9	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.1 4.0
CALM	.1	5.0													.1 5.0
TOTAL	.2	12.6	1.2	64.7	.2	11.9	.1	7.4	.1	2.9	.0	.5	.0	.0	1.9 100 8.9

CEILING-VISIBILITY

WIND GRAPH



TOL TOLEDO, OH

CLASS 4 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

CLASS 4 / NIGHT

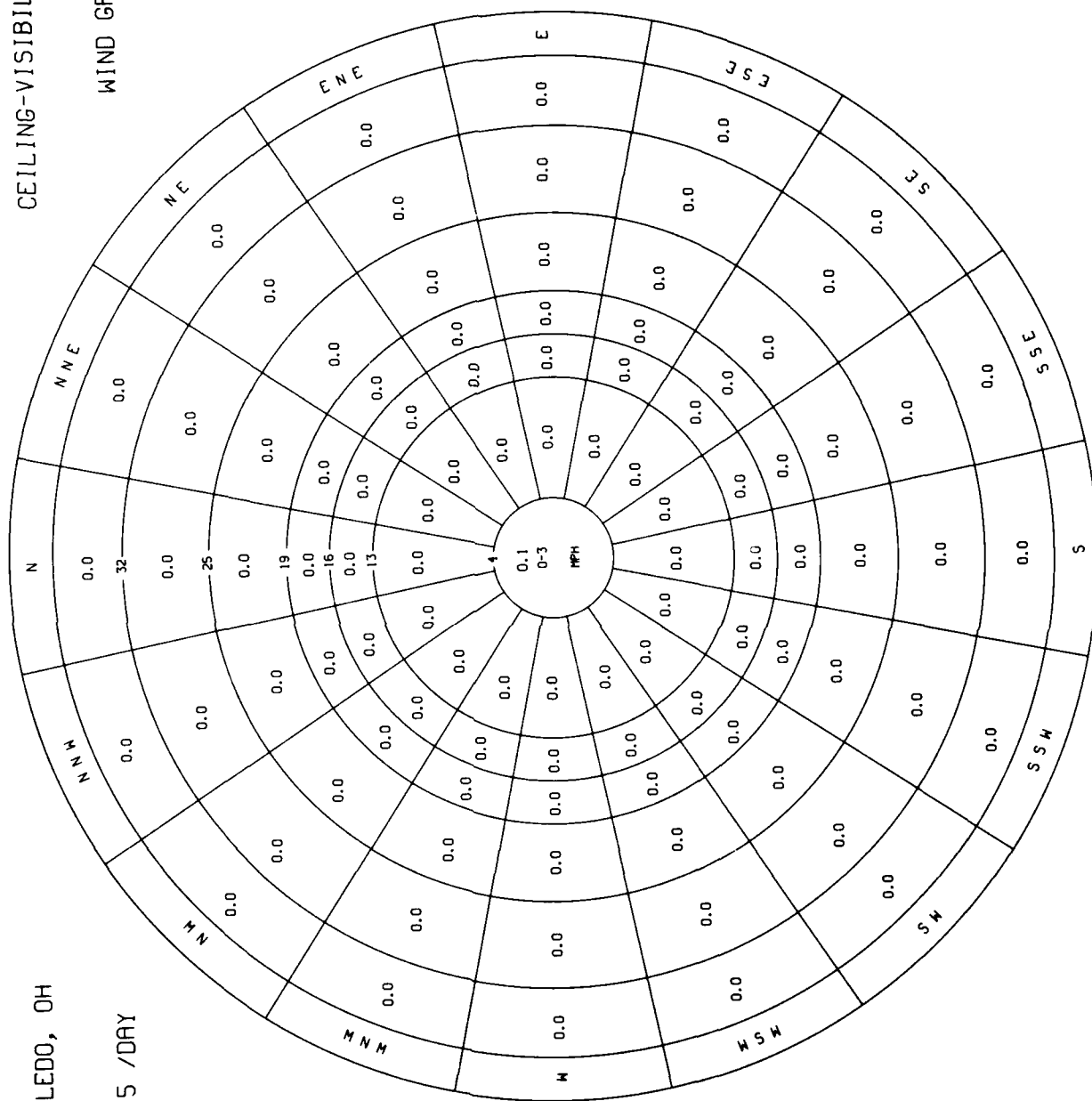
NO. OBS.: 650

STATION NUMBER: 94830

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	6.3	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.2	8.2	8.5
NNE	.0	.8	.1	3.5	.0	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.1	5.7	8.9
NE	.0	.5	.1	4.5	.0	1.1	.0	.8	.0	.6	.0	.0	.0	.0	.0	.2	7.4	10.5
ENE	.0	.9	.2	7.2	.0	2.0	.0	1.2	.0	.2	.0	.2	.0	.0	.0	.3	11.7	10.4
E	.0	1.1	.2	8.3	.0	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	11.2	8.6
ESE	.0	.5	.1	4.6	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	5.7	8.0
SE	.0	1.4	.1	3.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.9	6.2
SSE	.0	.8	.1	3.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	4.6	6.9
S	.0	.3	.1	5.1	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	6.2	8.2
SSW	.0	.2	.1	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	6.4
SW	.0	.6	.1	3.2	.0	1.1	.0	.3	.0	.2	.0	.0	.0	.0	.0	.1	5.4	9.7
WSW	.0	.6	.1	4.0	.0	1.1	.0	.2	.0	.3	.0	.0	.0	.0	.0	.1	6.2	9.8
W	.0	.3	.1	2.5	.0	.8	.0	.3	.0	.3	.0	.0	.0	.0	.0	.1	4.2	10.5
WNW	.0	.3	.0	2.0	.0	.2	.0	.2	.0	.3	.0	.0	.0	.0	.0	.1	2.9	9.6
NW	.0	.3	.1	2.5	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	3.4	9.0
NNW	.0	.2	.1	2.5	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	3.1	9.0
CALM	.1	5.7														.1	5.7	
TOTAL	.4	14.8	1.6	66.6	.3	11.7	.1	4.8	.0	2.0	.0	.2	.0	.0	.0	2.4	100	8.4

TOL TOLEDO, OH

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

CLASS 5 / DAY

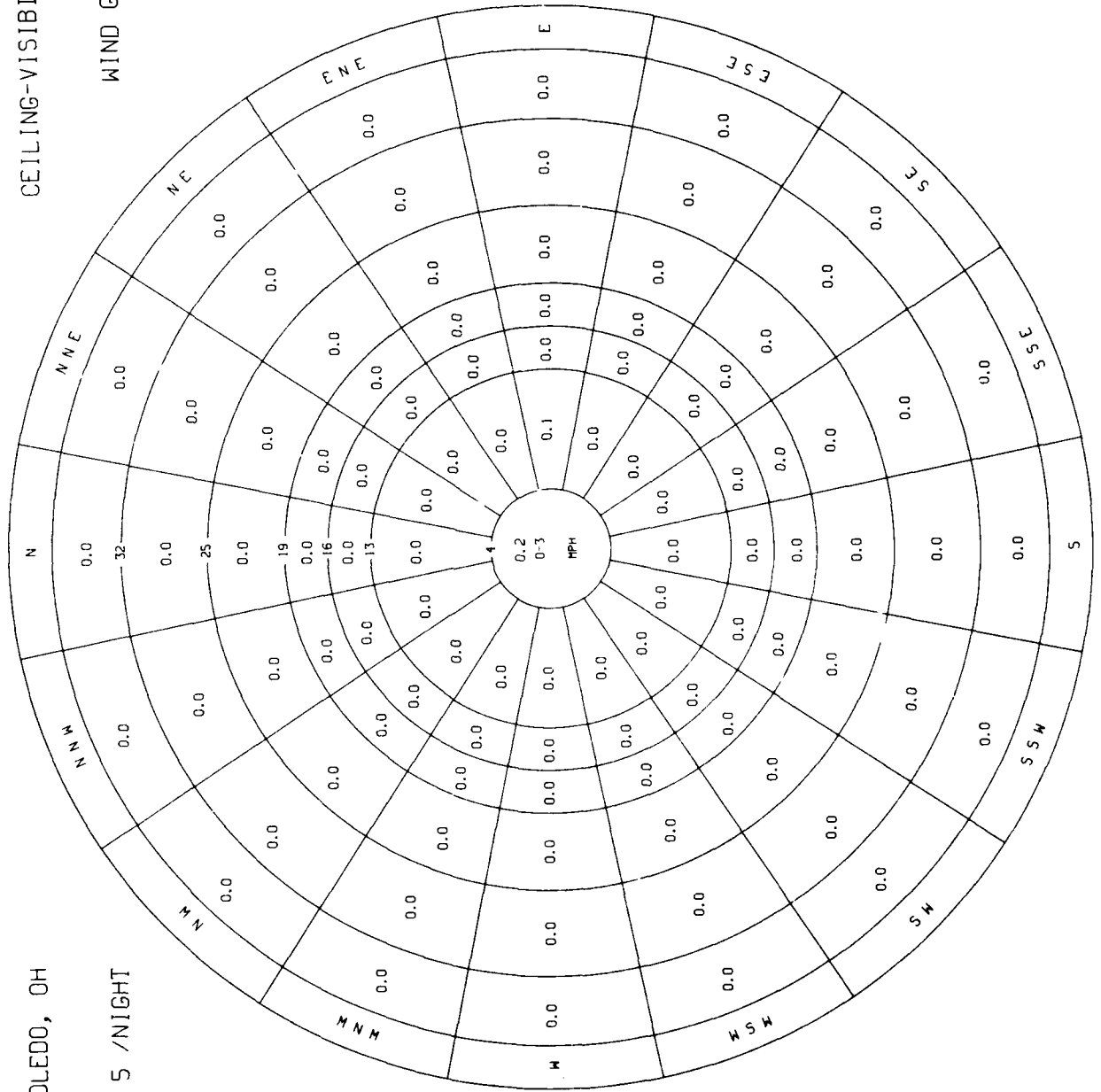
NO. OBS.: 136

STATION NUMBER: 94830

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	8.8	.0	.0	.0	.7	.0	.7	.0	.7	.0	.0	.1 12.5
NNE	.0	.7	.0	2.9	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0 5.1
NE	.0	1.5	.0	5.9	.0	.7	.0	1.5	.0	.7	.0	.0	.0	.0	.0 10.3
ENE	.0	2.2	.0	6.6	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0 10.3
E	.0	1.5	.0	6.6	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0 9.6
ESE	.0	.7	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
SE	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SSE	.0	.7	.0	2.9	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0 4.4
S	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
SSW	.0	.0	.0	5.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.6
SW	.0	.0	.0	5.1	.0	.7	.0	.0	.0	.0	.0	1.5	.0	.0	.0 7.4
WSW	.0	.0	.0	5.1	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0 6.6
W	.0	.0	.0	2.2	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0 2.9
WNW	.0	.0	.0	.7	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0 2.2
NW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0 2.9
NNW	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
CALM	.0	3.7													.0 3.7
TOTAL	.1	12.5	.3	69.9	.0	5.1	.0	5.9	.0	4.4	.0	2.2	.0	.0	.4 100
															8.6

CEILING-VISIBILITY

WIND GRAPH



TOL TOLEDO, OH

CLASS 5 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1959-1978

STATION NAME: TOL TOLEDO, OH

CLASS 5 / NIGHT

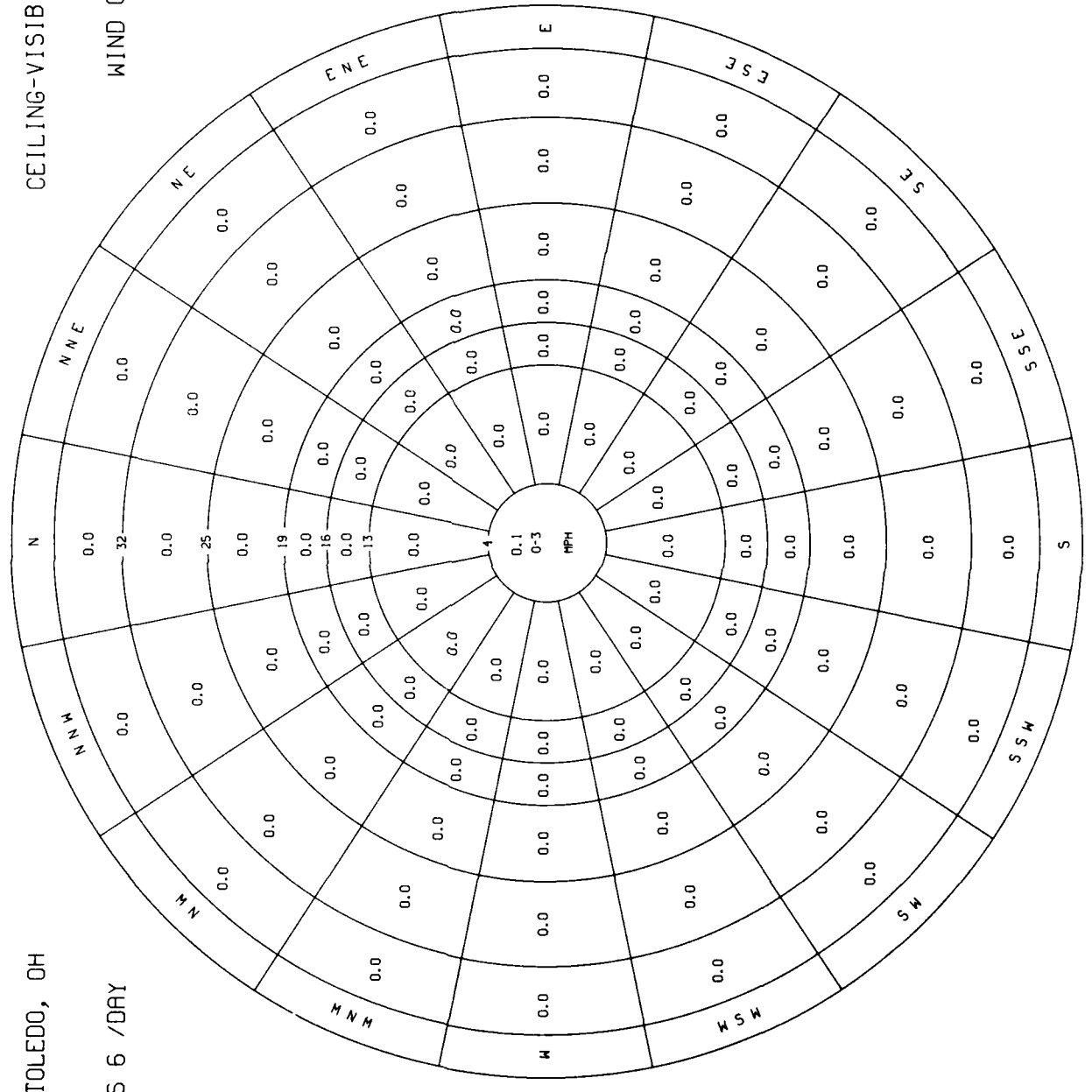
NO. OBS.: 181

STATION NUMBER: 94830

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	1.7	.0	4.4	.0	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0 7.2
NNE	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
NE	.0	1.1	.0	4.4	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0 6.1
ENE	.0	1.7	.0	4.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
E	.0	2.8	.1	12.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 15.5
ESE	.0	1.7	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
SE	.0	.6	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
SSE	.0	2.2	.0	5.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.3
S	.0	1.7	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
SSW	.0	.6	.0	3.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
SW	.0	1.1	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
WSW	.0	1.7	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
W	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0 2.8
WNW	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NNW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.0	6.6													.0 6.6
TOTAL	.2	25.4	.5	69.6	.0	2.8	.0	.0	.0	1.7	.0	.6	.0	.0	.7 100

CEILING-VISIBILITY
WIND GRAPH

TOL TOLEDO, OH
CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TOL TOLEDO, OH

PERIOD: 1959-1978

CLASS 6 / DAY

STATION NUMBER: 94830

NO. OBS.: 118

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	3.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	4.9
NNE	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.0
NE	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.0
ENE	.0	.0	.0	5.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	6.9
E	.0	4.2	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	4.8
ESE	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.2
SE	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	5.4
SSE	.0	.8	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	7.1
S	.0	5.1	.0	8.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.6	4.8
SSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.0
SW	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	5.7
WSW	.0	.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	4.2	10.2
W	.0	1.7	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	5.1	8.5
WNW	.0	2.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.0
NW	.0	1.7	.0	4.2	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	6.8	6.9
NNW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5
CALM	.1	13.6													.1	13.6	
TOTAL	.1	37.3	.2	59.3	.0	.8	.0	.8	.0	.0	.0	1.7	.0	.0	.4	100	5.2

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TOL TOLEDO, OH

PERIOD: 1959-1978

CLASS 6 / NIGHT

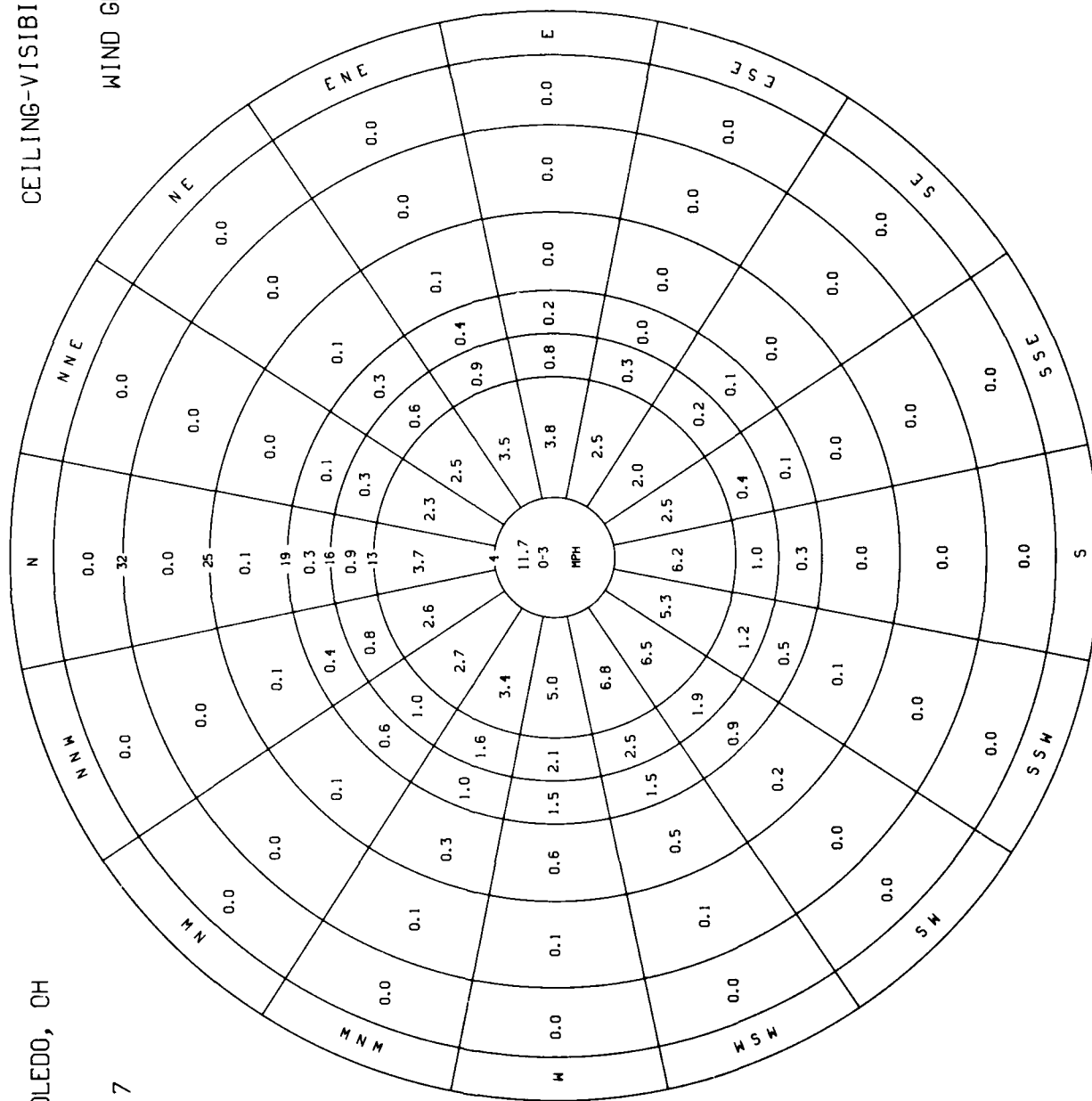
STATION NUMBER: 94830

NO. OBS.: 117

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	.9	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.2
NNE	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.0
NE	.0	1.7	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	5.3
ENE	.0	3.4	.0	3.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	5.2
E	.0	6.8	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	4.3
ESE	.0	3.4	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	4.4
SE	.0	1.7	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.0
SSE	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	4.8
S	.0	.9	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.5
SSW	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.4
SW	.0	.9	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.2
WSW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	3.4	12.0
W	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.5
WNW	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.0
NW	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	6.0	8.7
NNW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.5
CALM	.1	21.4													.1	21.4	
TOTAL	.2	47.0	.2	50.4	.0	.9	.0	.0	.0	.9	.0	.9	.0	.0	.4	100	4.5

CEILING-VISIBILITY

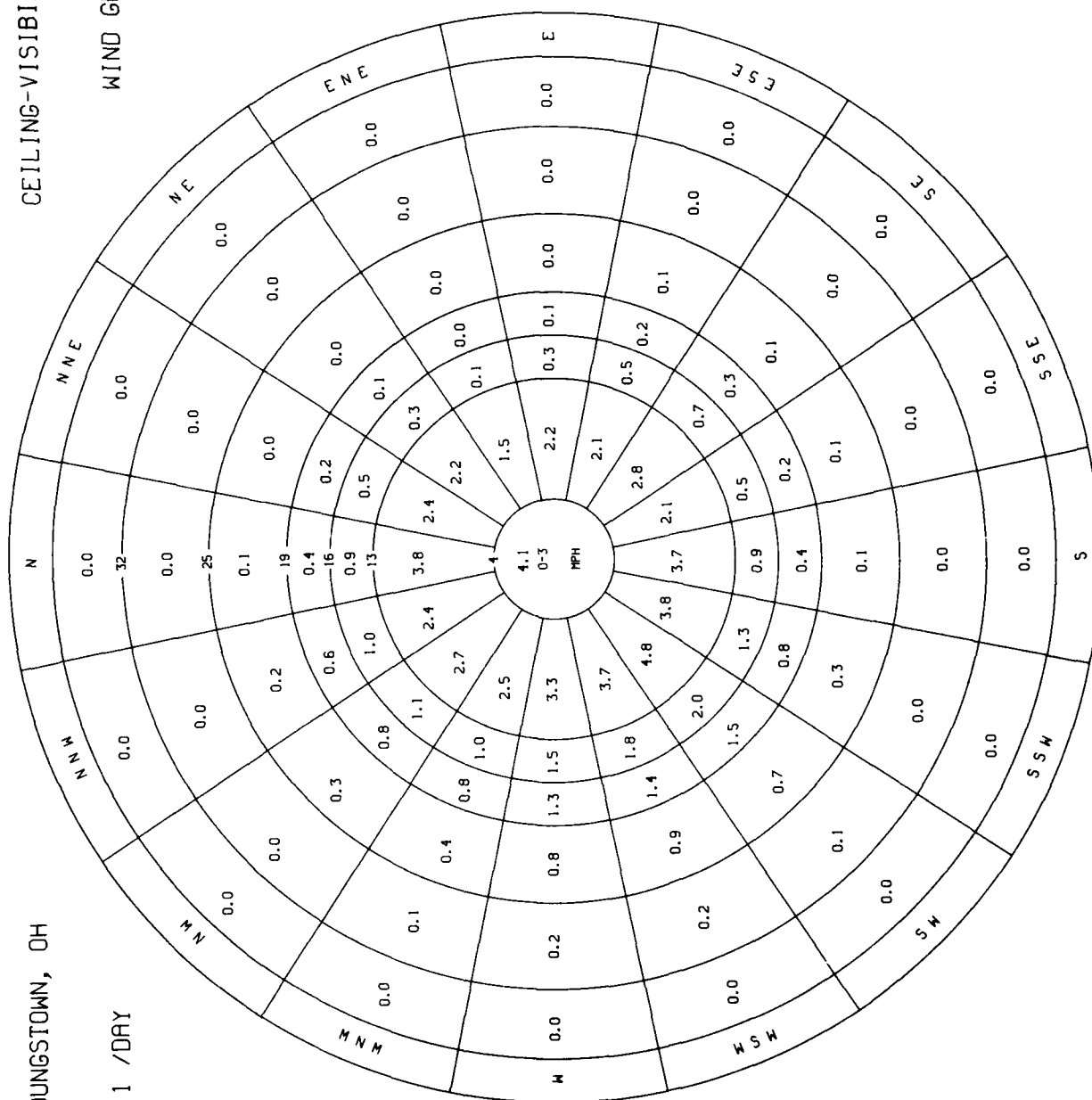
WIND GRAPH



YNG YOUNGSTOWN, OH

WIND GRAPH

CLASS 1 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 1 / DAY

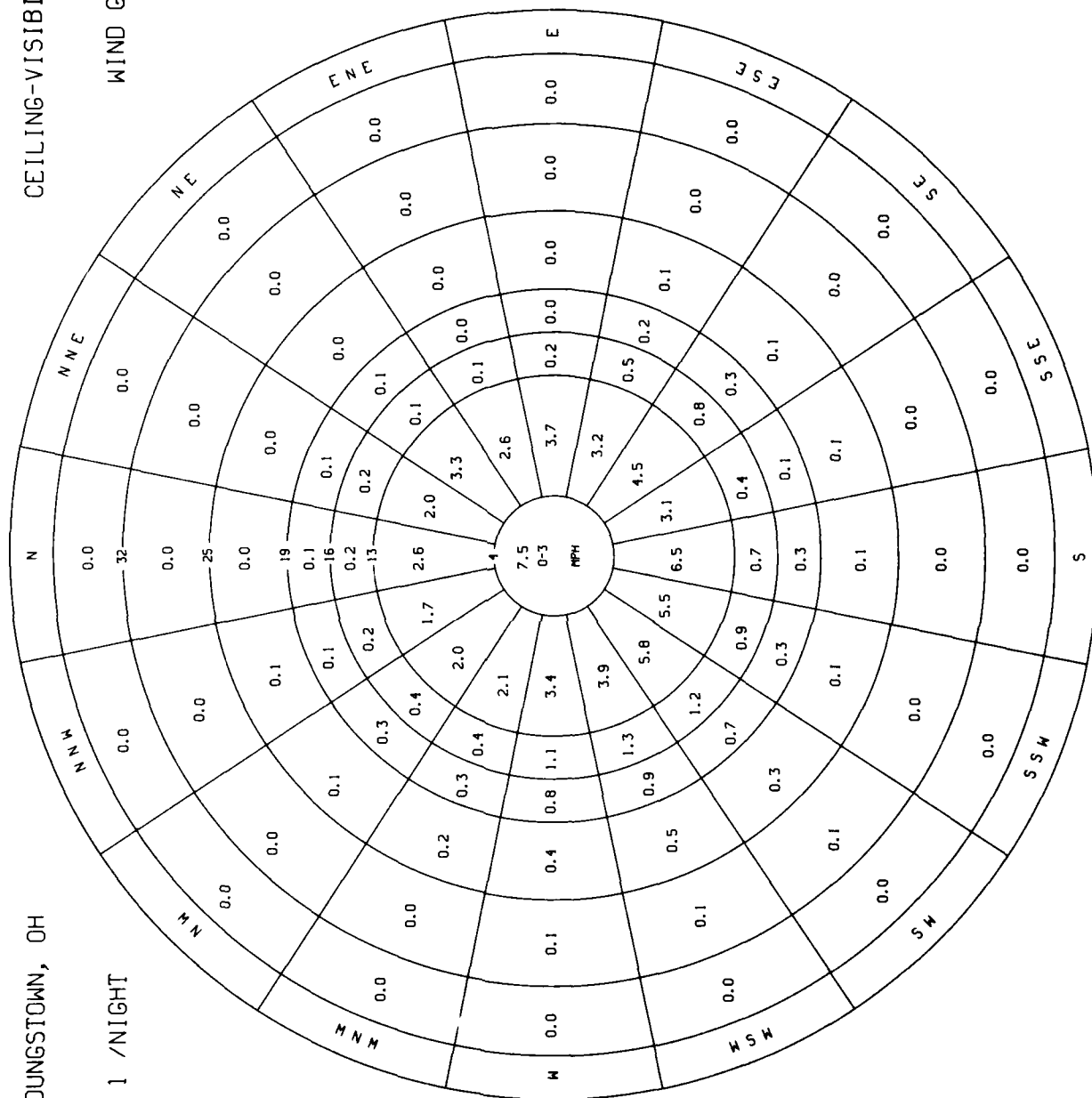
STATION NUMBER: 14852

NO. OBS.: 38442

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	3.8	4.8	.9	1.1	.4	.5	.1	.1	.0	.0	.0	.0	5.3	6.8	9.9
NNE	.2	.2	2.4	3.1	.5	.7	.2	.2	.0	.0	.0	.0	.0	.0	3.4	4.3	9.4
NE	.2	.3	2.2	2.9	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.7	8.5
ENE	.1	.2	1.5	1.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.3	7.9
E	.2	.2	2.2	2.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.5	8.3
ESE	.1	.2	2.1	2.6	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	2.9	3.7	9.8
SE	.2	.3	2.8	3.5	.7	.9	.3	.4	.1	.1	.0	.0	.0	.0	4.0	5.1	9.8
SSE	.1	.1	2.1	2.6	.5	.7	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.8	10.0
S	.2	.3	3.7	4.7	.9	1.2	.4	.4	.1	.1	.0	.0	.0	.0	5.3	6.8	9.9
SSW	.2	.2	3.8	4.9	1.3	1.7	.8	1.0	.3	.3	.0	.0	.0	.0	6.4	8.2	11.2
SW	.2	.3	4.8	6.2	2.0	2.6	1.5	1.9	.7	.9	.1	.1	.0	.0	9.4	12.0	12.2
WSW	.2	.2	3.7	4.8	1.8	2.3	1.4	1.8	.9	1.1	.2	.3	.0	.0	8.2	10.5	13.0
W	.2	.2	3.3	4.2	1.5	1.9	1.3	1.6	.8	1.0	.2	.2	.0	.0	7.2	9.2	12.8
WNW	.1	.2	2.5	3.2	1.0	1.3	.8	1.0	.4	.5	.1	.1	.0	.0	4.9	6.3	12.1
NW	.1	.2	2.7	3.4	1.1	1.5	.8	1.1	.3	.4	.0	.0	.0	.0	5.2	6.6	11.9
NNW	.1	.1	2.4	3.1	1.0	1.3	.6	.7	.2	.3	.0	.0	.0	.0	4.3	5.5	11.6
CALM	1.4	1.7													1.4	1.7	
TOTAL	4.1	5.3	46.1	58.8	14.6	18.7	8.9	11.4	3.9	5.0	.6	.8	.1	.1	78.4	100	10.9

CEILING-VISIBILITY WIND GRAPH

YNG YOUNGSTOWN, OH
CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 1 / NIGHT

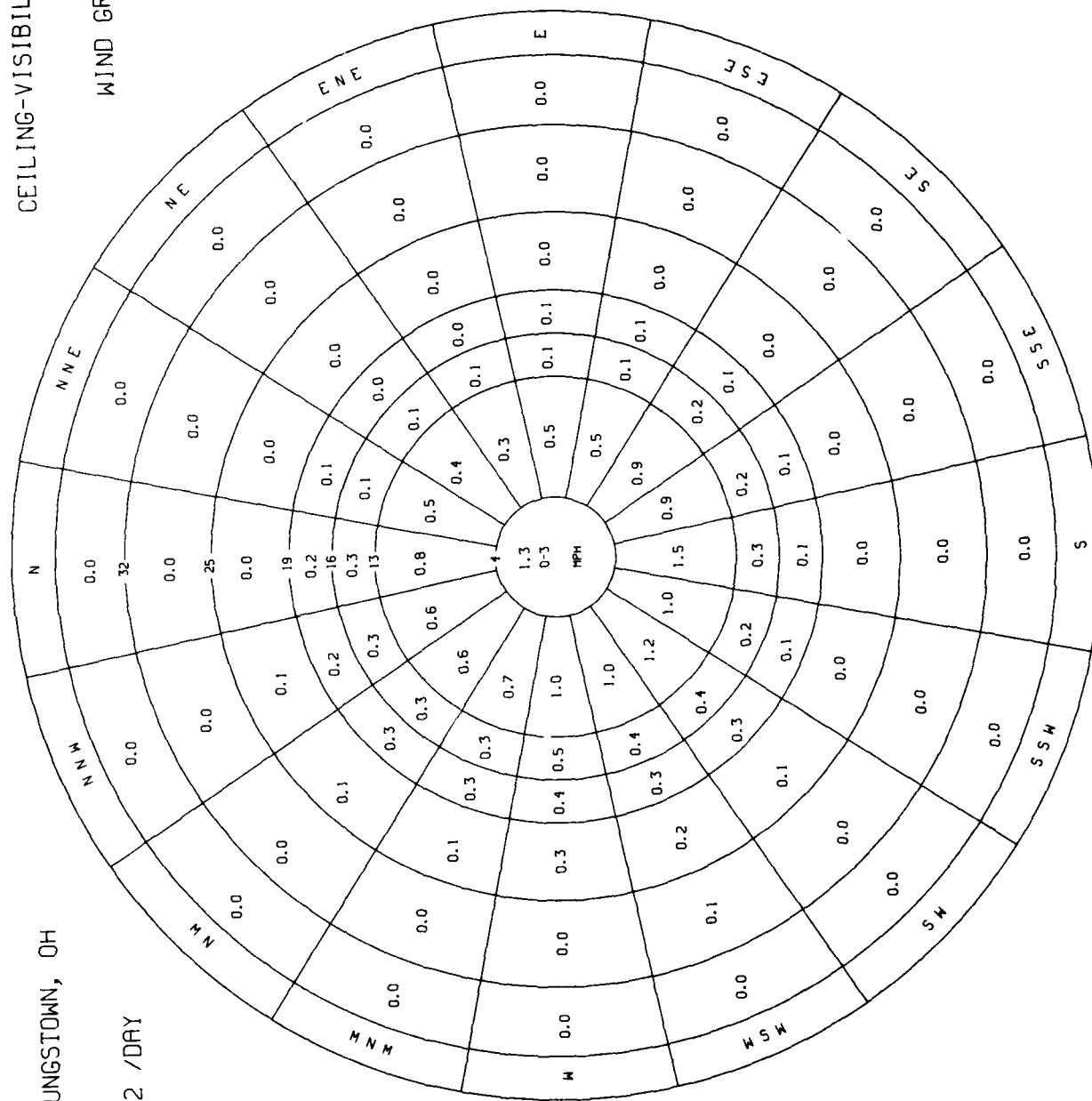
STATION NUMBER: 14852

NO. OBS.: 33038

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	2.6	3.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2	4.1	8.2					
NNE	.2	.3	2.0	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.5	3.1	8.1					
NNE	.3	.4	3.3	4.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.9	4.9	7.4					
ENE	.2	.3	2.6	3.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.8	7.4					
E	.3	.4	3.7	4.7	.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	4.3	5.4	7.5					
ESE	.2	.3	3.2	4.0	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.2	5.3	9.0					
SE	.3	.3	4.5	5.7	.8	1.0	.3	.4	.1	.1	.0	.0	.0	.0	5.9	7.5	9.2					
SSE	.1	.2	3.1	3.9	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	3.9	4.9	8.9					
S	.3	.4	6.5	8.2	.7	.9	.3	.3	.1	.1	.0	.0	.0	.0	7.9	9.9	8.7					
SSW	.3	.4	5.5	6.9	.9	1.2	.3	.4	.1	.1	.0	.0	.0	.0	7.2	9.1	9.4					
SW	.4	.4	5.8	7.3	1.2	1.5	.7	.8	.3	.4	.1	.1	.0	.0	8.4	10.6	10.1					
WSW	.3	.4	3.9	4.9	1.3	1.6	.9	1.1	.5	.7	.1	.1	.0	.0	7.1	8.9	11.4					
W	.3	.4	3.4	4.3	1.1	1.3	.8	1.0	.4	.6	.1	.1	.0	.0	6.2	7.8	11.2					
WNW	.2	.3	2.1	2.6	.4	.6	.3	.4	.2	.2	.0	.0	.0	.0	3.3	4.2	10.3					
NW	.2	.3	2.0	2.5	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	3.0	3.7	9.7					
NNW	.2	.2	1.7	2.1	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.3	2.9	8.8					
CALM	3.3	4.1													3.3	4.1						
TOTAL	7.5	9.4	56.1	70.5	8.9	11.2	4.6	5.8	2.1	2.7	.4	.4	.1	.1	79.5	100	8.9					

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 2 / DAY

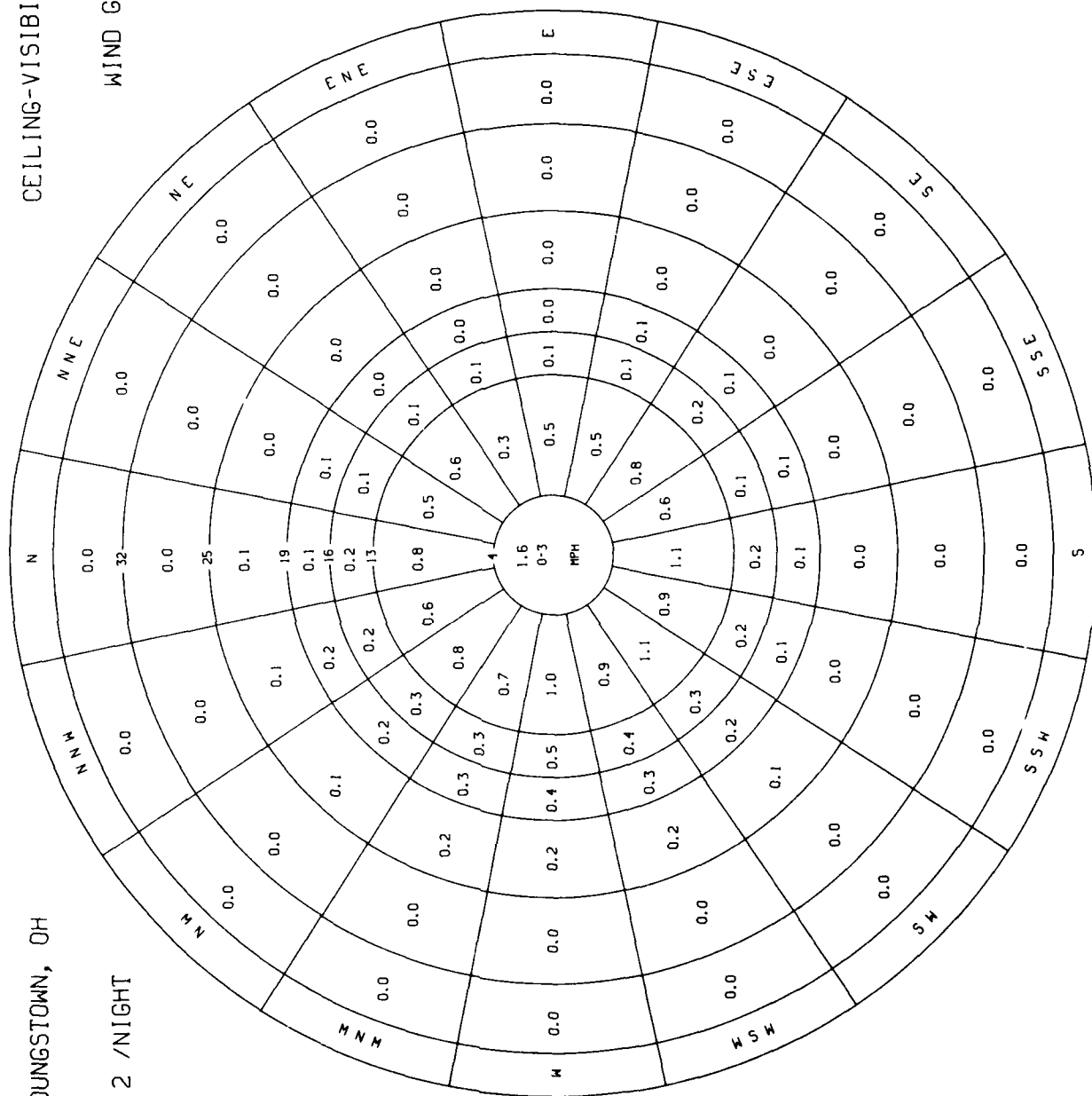
STATION NUMBER: 14852

NO. OBS.: 10589

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	3.7	.3	1.2	.2	.8	.0	.2	.0	.0	.0	.0	1.3	6.1	11.1
NNE	.0	.1	.5	2.1	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	.7	3.1	10.4
NE	.0	.1	.4	1.8	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5	2.5	9.6
ENE	.0	.1	.3	1.2	.1	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	1.8	9.6
E	.1	.2	.5	2.3	.1	.5	.1	.2	.0	.0	.0	.0	.0	.0	.7	3.3	9.4
ESE	.1	.2	.5	2.3	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.8	3.9	10.2
SE	.1	.4	.9	4.1	.2	1.0	.1	.7	.0	.2	.0	.0	.0	.0	1.4	6.5	10.1
SSE	.1	.3	.9	4.3	.2	.8	.1	.4	.0	.1	.0	.0	.0	.0	1.3	5.8	9.6
S	.1	.5	1.5	7.1	.3	1.2	.1	.4	.0	.1	.0	.0	.0	.0	2.0	9.2	9.2
SSW	.1	.2	1.0	4.6	.2	1.0	.1	.4	.0	.2	.0	.0	.0	.0	1.4	6.5	9.9
SW	.1	.4	1.2	5.7	.4	1.9	.3	1.2	.1	.6	.0	.1	.0	.1	2.2	10.0	11.5
WSW	.1	.2	1.0	4.7	.4	2.0	.3	1.3	.2	.9	.1	.3	.0	.1	2.0	9.4	12.6
W	.1	.2	1.0	4.5	.5	2.4	.4	1.8	.3	1.2	.0	.2	.0	.0	2.2	10.4	13.2
WNW	.0	.2	.7	3.2	.3	1.5	.3	1.4	.1	.7	.0	.2	.0	.0	1.5	7.2	13.0
NW	.0	.2	.6	3.0	.3	1.4	.3	1.5	.1	.5	.0	.1	.0	.0	1.4	6.7	12.7
NNW	.0	.1	.6	2.6	.3	1.3	.2	.9	.1	.4	.0	.1	.0	.0	1.2	5.5	12.6
CALM	.5	2.3													.5	2.3	
TOTAL	1.3	6.2	12.3	57.2	3.9	18.0	2.6	11.9	1.2	5.5	.2	1.1	.0	.2	21.6	100	11.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14852

NO. OBS.: 8494

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	.8	4.1	.2	1.2	.1	.7	.1	.2	.0	.0	.0	.0	1.3	6.6	10.7
NNE	.1	.3	.5	2.4	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.8	3.8	10.3
NNE	.1	.2	.6	2.7	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7	3.4	8.7
ENE	.0	.2	.3	1.6	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.1	8.5
E	.1	.3	.5	2.6	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7	3.4	8.8
ESE	.1	.3	.5	2.5	.1	.5	.1	.3	.0	.2	.0	.0	.0	.0	.8	3.9	9.9
SE	.1	.3	.8	3.9	.2	1.0	.1	.6	.0	.2	.0	.0	.0	.0	1.2	5.9	10.0
SSE	.0	.2	.6	3.1	.1	.7	.1	.2	.0	.1	.0	.0	.0	.0	.9	4.3	9.5
S	.1	.4	1.1	5.5	.2	.8	.1	.3	.0	.1	.0	.0	.0	.0	1.4	7.0	8.9
SSW	.0	.2	.9	4.4	.2	.9	.1	.4	.0	.1	.0	.0	.0	.0	1.2	6.0	9.8
SW	.1	.4	1.1	5.2	.3	1.7	.2	1.0	.1	.5	.0	.1	.0	.0	1.8	8.8	11.1
WSW	.1	.4	.9	4.3	.4	2.1	.3	1.4	.2	1.2	.0	.2	.0	.0	2.0	9.6	12.8
W	.1	.3	1.0	5.1	.5	2.6	.4	1.9	.2	1.0	.0	.1	.0	.1	2.3	11.0	12.6
WNW	.0	.2	.7	3.6	.3	1.6	.3	1.2	.2	.8	.0	.2	.0	.0	1.5	7.6	12.8
NW	.0	.2	.8	3.8	.3	1.4	.2	1.2	.1	.6	.0	.1	.0	.0	1.5	7.3	11.9
NNW	.0	.2	.6	2.9	.2	1.2	.2	.8	.1	.4	.0	.1	.0	.0	1.1	5.5	12.0
CALM	.8	3.8													.8	3.8	
TOTAL	1.6	8.0	11.8	57.5	3.5	17.1	2.2	10.7	1.2	5.7	.2	.8	.0	.1	20.5	100	10.5

F/G 4/2

DOT-FA79WAI-057

NIL

5

[illegible]

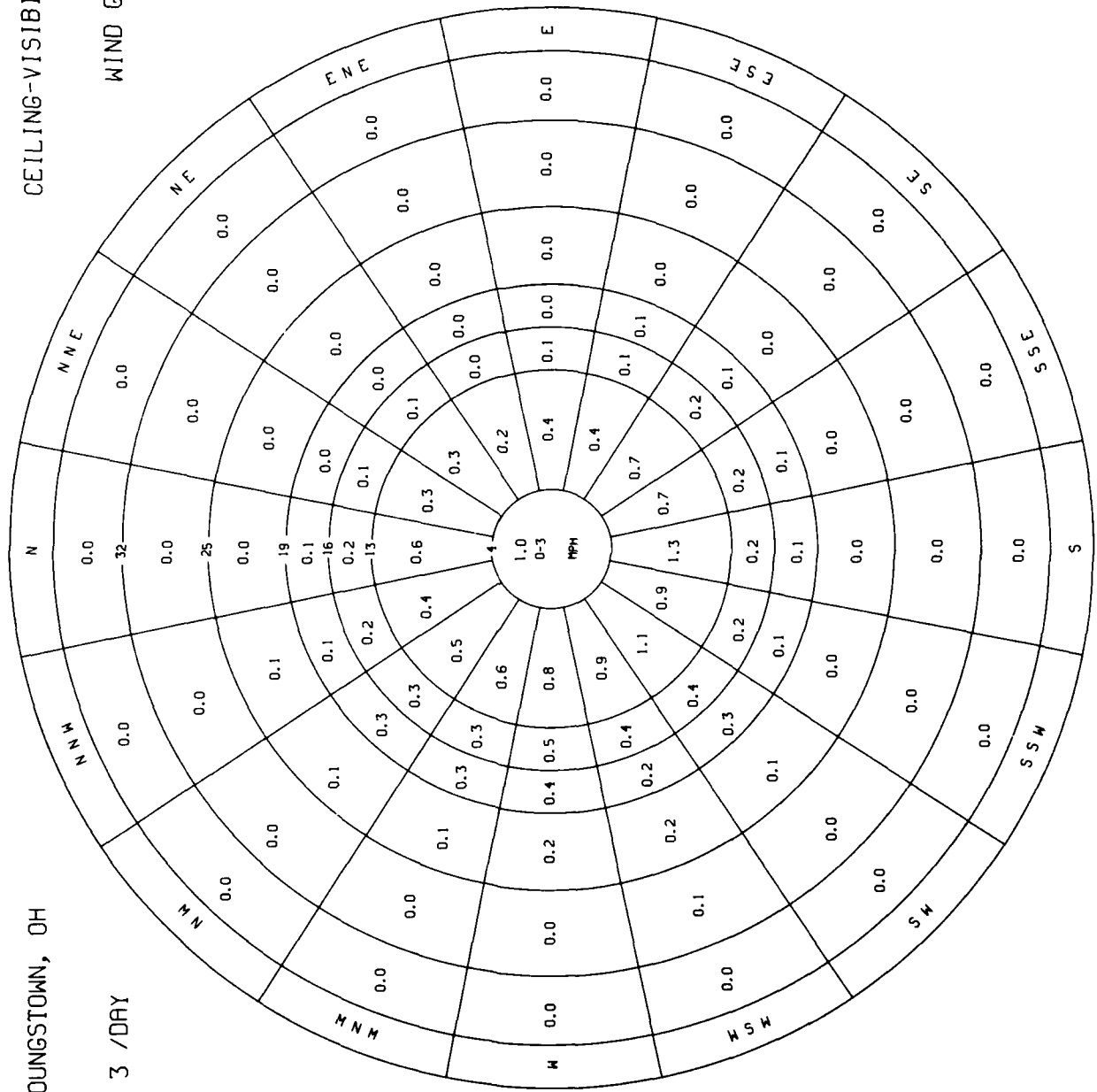
A
816

YNG YOUNGSTOWN, OH

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

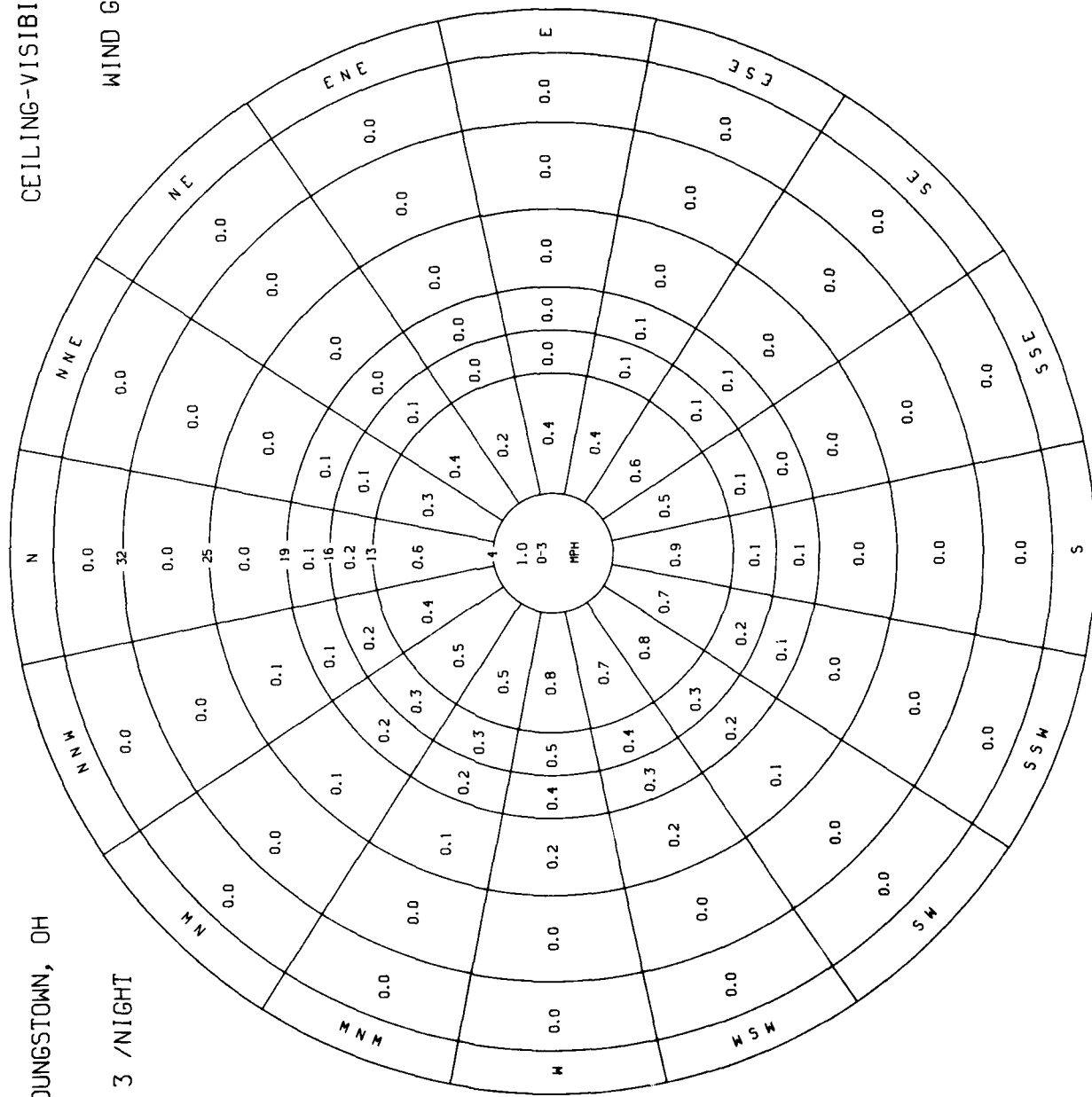
CLASS 3 / DAY

STATION NUMBER: 14852

NO. OBS.: 8876

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	3.4	.2	1.1	.1	.8	.0	.2	.0	.0	.0	.0	1.0	5.7	11.3
NNE	.0	.1	.3	1.9	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.5	2.9	10.6
NE	.0	.1	.3	1.5	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.2	9.7
ENE	.0	.1	.2	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.6	9.4
E	.0	.2	.4	2.0	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.0	9.4
ESE	.0	.2	.4	2.1	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.7	3.7	10.7
SE	.1	.4	.7	3.9	.2	1.0	.1	.7	.0	.2	.0	.0	.0	.0	1.1	6.3	10.3
SSE	.0	.3	.7	4.1	.2	.9	.1	.4	.0	.1	.0	.0	.0	.0	1.0	5.7	9.8
S	.1	.4	1.3	7.2	.2	1.3	.1	.4	.0	.1	.0	.0	.0	.0	1.7	9.4	9.3
SSW	.0	.2	.9	4.8	.2	1.2	.1	.5	.0	.2	.0	.0	.0	.0	1.3	6.9	10.1
SW	.1	.4	1.1	5.9	.4	2.1	.3	1.4	.1	.6	.0	.1	.0	.0	1.9	10.6	11.6
WSW	.0	.2	.3	4.9	.4	2.2	.2	1.3	.2	1.0	.1	.3	.0	.1	1.8	10.0	12.8
W	.0	.2	.8	4.6	.5	2.6	.4	2.0	.2	1.3	.0	.2	.0	.0	2.0	11.1	13.4
WNW	.0	.2	.6	3.1	.3	1.5	.3	1.4	.1	.8	.0	.2	.0	.0	1.3	7.1	13.1
NW	.0	.2	.5	2.9	.3	1.4	.3	1.6	.1	.6	.0	.1	.0	.0	1.2	6.7	13.0
NNW	.0	.1	.4	2.5	.2	1.3	.1	.8	.1	.5	.0	.1	.0	.0	.9	5.2	12.6
CALM	.3	1.8													.3	1.8	
TOTAL	1.0	5.3	10.1	56.1	3.4	18.8	2.3	12.6	1.1	6.0	.2	1.1	.0	.2	18.1	100	11.2

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 3 / NIGHT

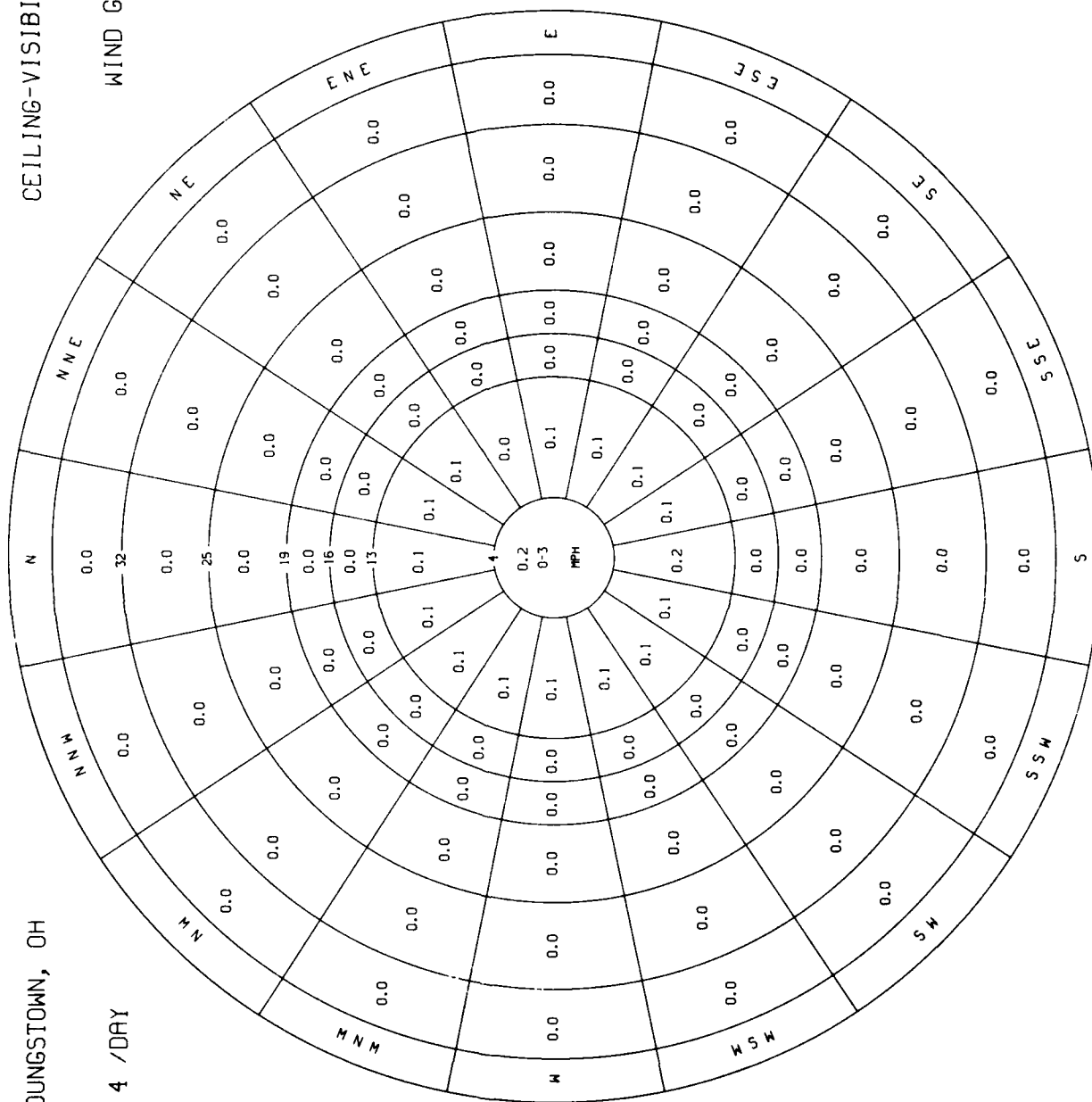
STATION NUMBER: 14852

NO. OBS.: 6603

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	.6	3.6	.2	1.2	.1	.8	.0	.3	.0	.0	.0	.0	1.0	6.2	11.3
NNE	.0	.2	.3	2.1	.1	.6	.1	.4	.0	.2	.0	.0	.0	.0	.5	3.5	10.7
NE	.0	.2	.4	2.3	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.0	9.2
ENE	.0	.2	.2	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.9	8.4
E	.0	.2	.4	2.4	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5	3.1	8.9
ESE	.0	.3	.4	2.4	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.6	3.8	10.1
SE	.0	.2	.6	3.7	.1	.8	.1	.6	.0	.2	.0	.0	.0	.0	.9	5.5	10.1
SSE	.0	.2	.5	2.9	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.7	4.2	9.7
S	.1	.3	.9	5.7	.1	.9	.1	.3	.0	.1	.0	.0	.0	.0	1.2	7.4	9.0
SSW	.0	.2	.7	4.5	.2	1.0	.1	.5	.0	.2	.0	.0	.0	.0	1.0	6.3	10.1
SW	.1	.3	.8	4.9	.3	2.0	.2	1.2	.1	.6	.0	.1	.0	.0	1.5	9.2	11.6
WSW	.1	.4	.7	4.5	.4	2.6	.3	1.7	.2	1.5	.0	.3	.0	.0	1.7	10.9	13.2
W	.0	.2	.8	5.3	.5	3.1	.4	2.3	.2	1.2	.0	.2	.0	.1	1.9	12.2	13.1
WNW	.0	.1	.5	3.2	.3	1.8	.2	1.4	.1	.9	.0	.2	.0	.0	1.2	7.7	13.5
NW	.0	.2	.5	3.3	.3	1.6	.2	1.2	.1	.7	.0	.1	.0	.0	1.1	7.0	12.5
NNW	.0	.2	.4	2.5	.2	1.1	.1	.8	.1	.5	.0	.1	.0	.0	.8	5.1	12.5
CALM	.5	2.9													.5	2.9	
TOTAL	1.0	6.5	8.7	54.7	3.0	18.8	1.9	12.3	1.1	6.7	.2	1.0	.0	.1	15.9	100	11.1

CEILING-VISIBILITY
WIND GRAPH

YNG YOUNGSTOWN, OH
CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 4 / DAY

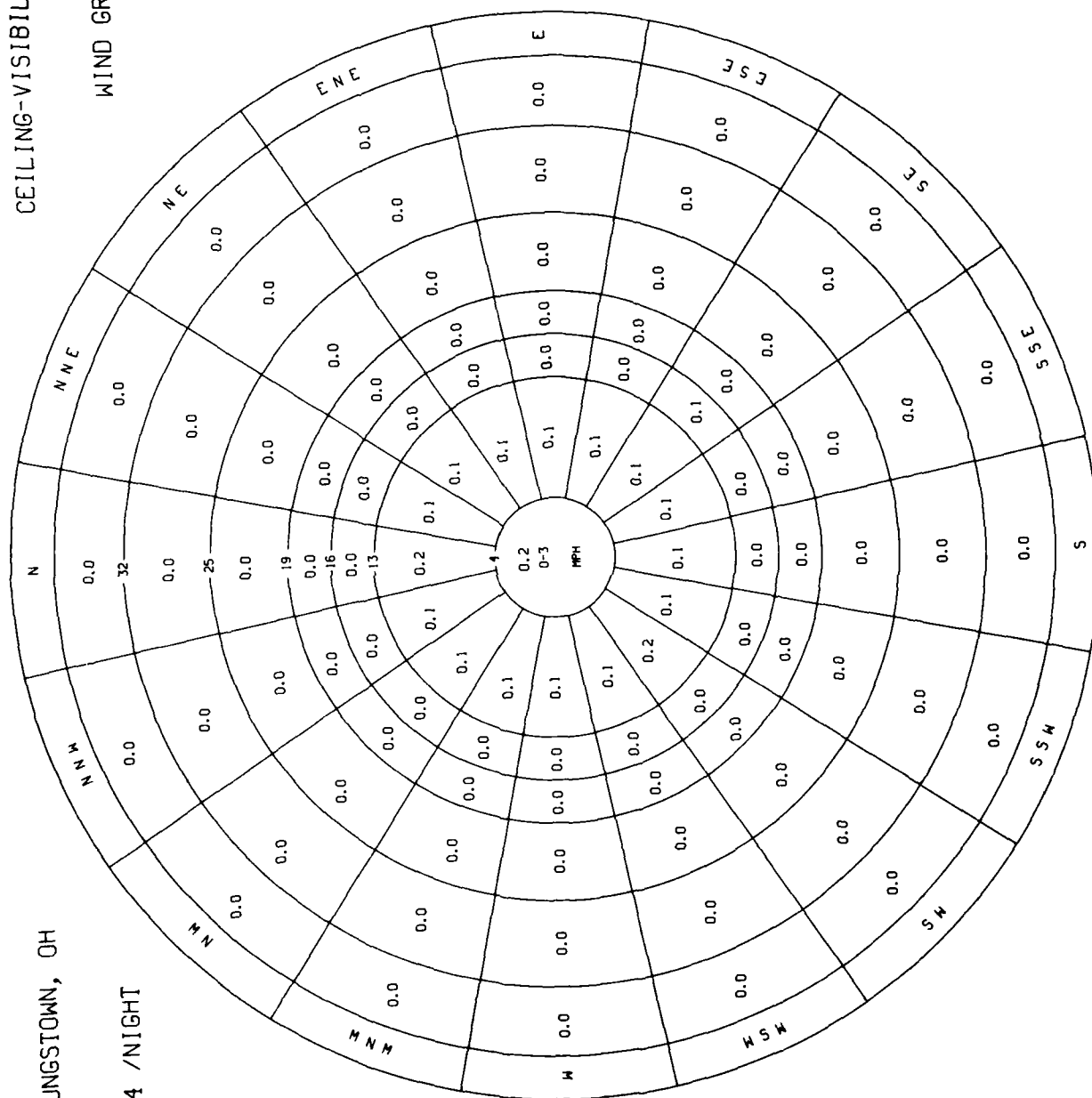
STATION NUMBER: 14852

NO. OBS.: 1255

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	.1	5.3	.0	1.5	.0	.9	.0	.3	.0	.0	.0	.0	.2 8.4
NNE	.0	.2	.1	3.0	.0	.6	.0	.3	.0	.2	.0	.0	.0	.0	.1 4.4
NE	.0	.2	.1	2.8	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.1 3.6
ENE	.0	.1	.0	1.4	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.1 2.2
E	.0	.2	.1	2.9	.0	.6	.0	.5	.0	.1	.0	.0	.0	.0	.1 4.3
ESE	.0	.3	.1	3.1	.0	.5	.0	.3	.0	.3	.0	.0	.0	.0	.1 4.5
SE	.0	.7	.1	4.9	.0	1.4	.0	.6	.0	.1	.0	.0	.0	.0	.2 7.6
SSE	.0	.2	.1	4.9	.0	.9	.0	.3	.0	.1	.0	.0	.0	.0	.2 6.4
S	.0	.5	.2	7.1	.0	.8	.0	.2	.0	.1	.0	.0	.0	.0	.2 8.6
SSW	.0	.2	.1	4.1	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.1 5.0
SW	.0	.3	.1	4.9	.0	1.0	.0	.5	.0	.4	.0	.1	.0	.1	.2 7.2
WSW	.0	.2	.1	3.8	.0	1.0	.0	1.1	.0	.3	.0	.2	.0	.0	.2 6.7
W	.0	.3	.1	4.0	.0	1.2	.0	1.0	.0	.7	.0	.2	.0	.1	.2 7.5
WNW	.0	.0	.1	3.1	.0	1.8	.0	1.4	.0	.4	.0	.3	.0	.0	.2 7.0
NW	.0	.2	.1	3.3	.0	1.6	.0	1.0	.0	.3	.0	.2	.0	.0	.2 6.5
NNW	.0	.2	.1	3.3	.0	1.6	.0	1.2	.0	.3	.0	.1	.0	.1	.2 6.9
CALM	.1	3.2													.1 3.2
TOTAL	.2	7.5	1.6	61.9	.4	15.4	.3	10.0	.1	3.9	.0	1.1	.0	.2	2.6 10.3

CEILING-VISIBILITY

WIND GRAPH



YNG YOUNGSTOWN, OH

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 4 / NIGHT

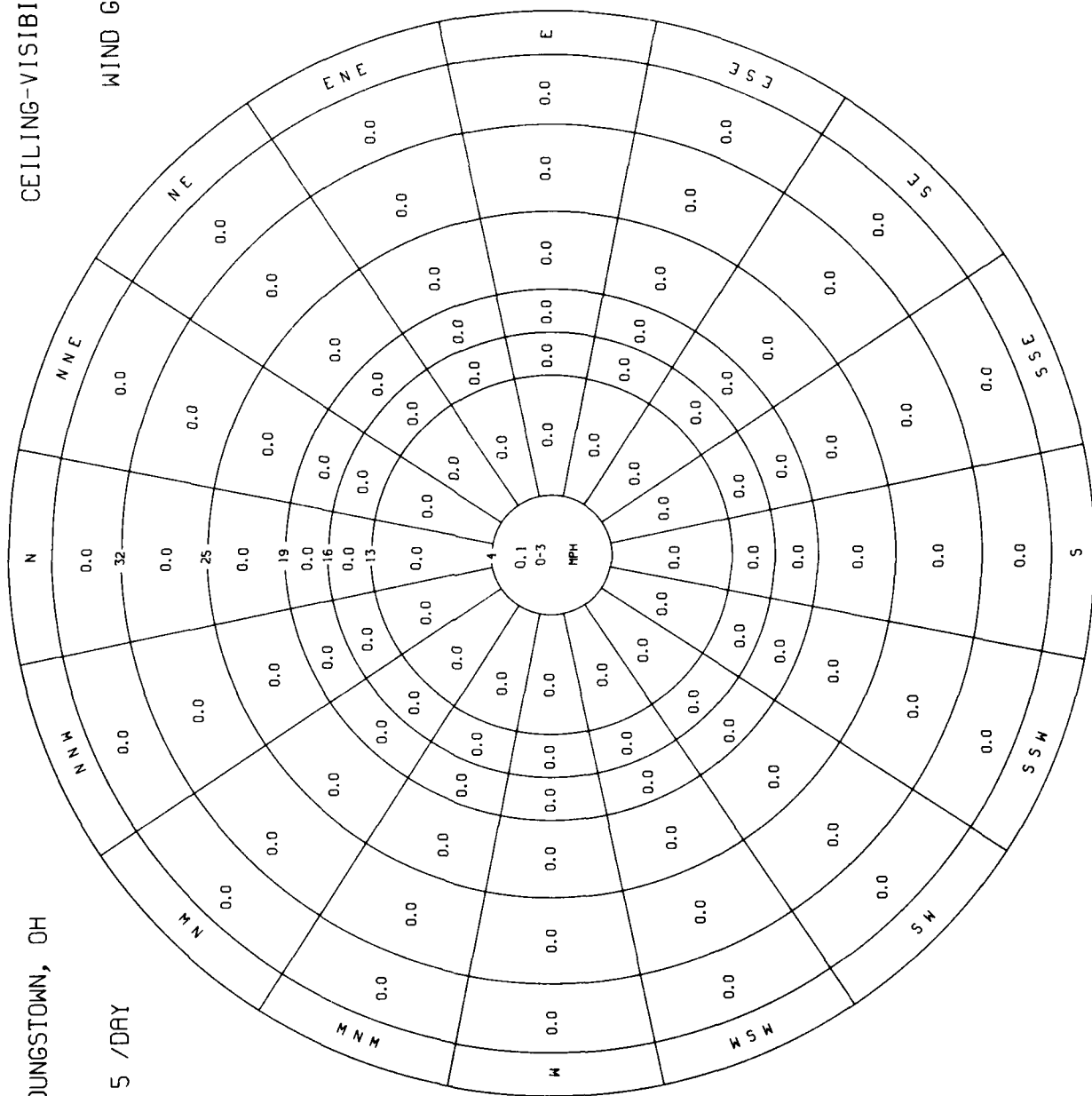
STATION NUMBER: 14852

NO. OBS.: 1137

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	5.6	.0	1.7	.0	.5	.0	.2	.0	.0	.0	.0	.2	8.5	9.9
NNE	.0	.5	.1	4.0	.0	.9	.0	.6	.0	.2	.0	.0	.0	.0	.2	6.2	9.8
NE	.0	.3	.1	3.5	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	4.2	8.9
ENE	.0	.1	.1	1.8	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.6	9.5
E	.0	.4	.1	2.2	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.1	3.3	10.0
ESE	.0	.2	.1	2.9	.0	.9	.0	.2	.0	.1	.0	.0	.0	.0	.1	4.2	9.9
SE	.0	.4	.1	4.8	.1	2.1	.0	.8	.0	.0	.0	.0	.0	.0	.2	8.2	10.4
SSE	.0	.2	.1	3.3	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.1	4.3	9.4
S	.0	.1	.1	4.7	.0	.5	.0	.1	.0	.2	.0	.0	.0	.0	.2	5.5	8.9
SSW	.0	.2	.1	3.7	.0	.8	.0	.4	.0	.1	.0	.0	.0	.0	.1	5.1	9.3
SW	.0	.2	.2	5.8	.0	.9	.0	.1	.0	.3	.0	.2	.0	.2	.2	7.6	10.2
WSW	.0	.4	.1	3.4	.0	.9	.0	.1	.0	.4	.0	.1	.0	.0	.1	5.2	10.5
W	.0	.3	.1	4.9	.0	1.2	.0	.8	.0	.5	.0	.0	.0	.1	.2	7.8	10.8
WNW	.0	.2	.1	4.6	.0	1.4	.0	1.0	.0	.2	.0	.1	.0	.0	.2	7.4	10.8
NW	.0	.3	.1	5.2	.0	1.1	.0	1.4	.0	.4	.0	.0	.0	.0	.2	8.4	11.2
NNW	.0	.2	.1	4.1	.0	1.3	.0	1.0	.0	.2	.0	.2	.0	.0	.2	6.9	11.2
CALM	.1	4.5													.1	4.5	
TOTAL	.2	8.7	1.8	64.6	.4	15.4	.2	7.7	.1	2.8	.0	.5	.0	.3	2.7	100	9.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 5 / DAY

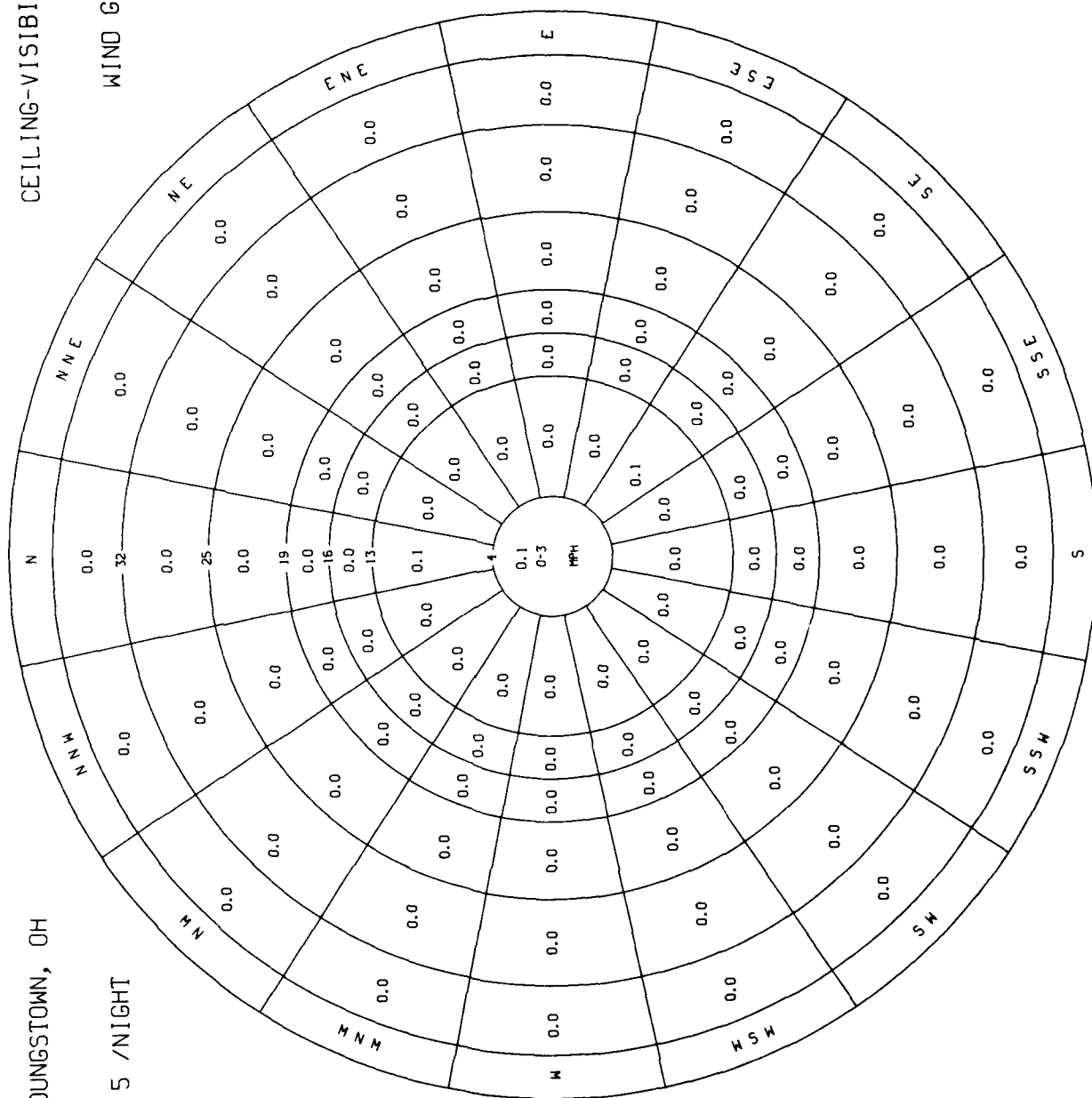
STATION NUMBER: 14852

NO. OBS.: 204

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	.0	4.9	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	7.8	9.6
NNE	.0	.0	.0	3.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	9.1
NE	.0	.5	.0	3.9	.0	1.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	5.9	9.9
ENE	.0	.5	.0	2.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.9	10.2
E	.0	.5	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	7.5
ESE	.0	.0	.0	3.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	8.1
SE	.0	1.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	6.6
SSE	.0	.0	.0	4.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.8
S	.0	.5	.0	4.4	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	5.9	8.5
SSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.3
SW	.0	.0	.0	3.9	.0	2.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	6.9	11.8
WSW	.0	.0	.0	2.0	.0	1.0	.0	.5	.0	.0	.0	.5	.0	.5	.0	4.4	16.9
W	.0	1.0	.0	2.0	.0	1.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	4.9	10.8
WNW	.0	.5	.0	5.4	.0	2.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	9.3	10.7
NW	.0	.5	.0	3.4	.0	.5	.0	.0	.0	.0	.0	1.0	.0	.0	.0	5.4	10.4
NNW	.0	.5	.0	3.9	.0	2.5	.0	2.5	.0	.5	.0	.0	.0	.0	.0	9.8	12.4
CALM	.0	6.4													.0	6.4	
TOTAL	.1	12.7	.3	61.3	.1	16.7	.0	4.9	.0	2.0	.0	2.0	.0	.5	.4	100	9.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: YNG YOUNGSTOWN, OH

CLASS 5 / NIGHT

NO. OBS.: 349

STATION NUMBER: 14852

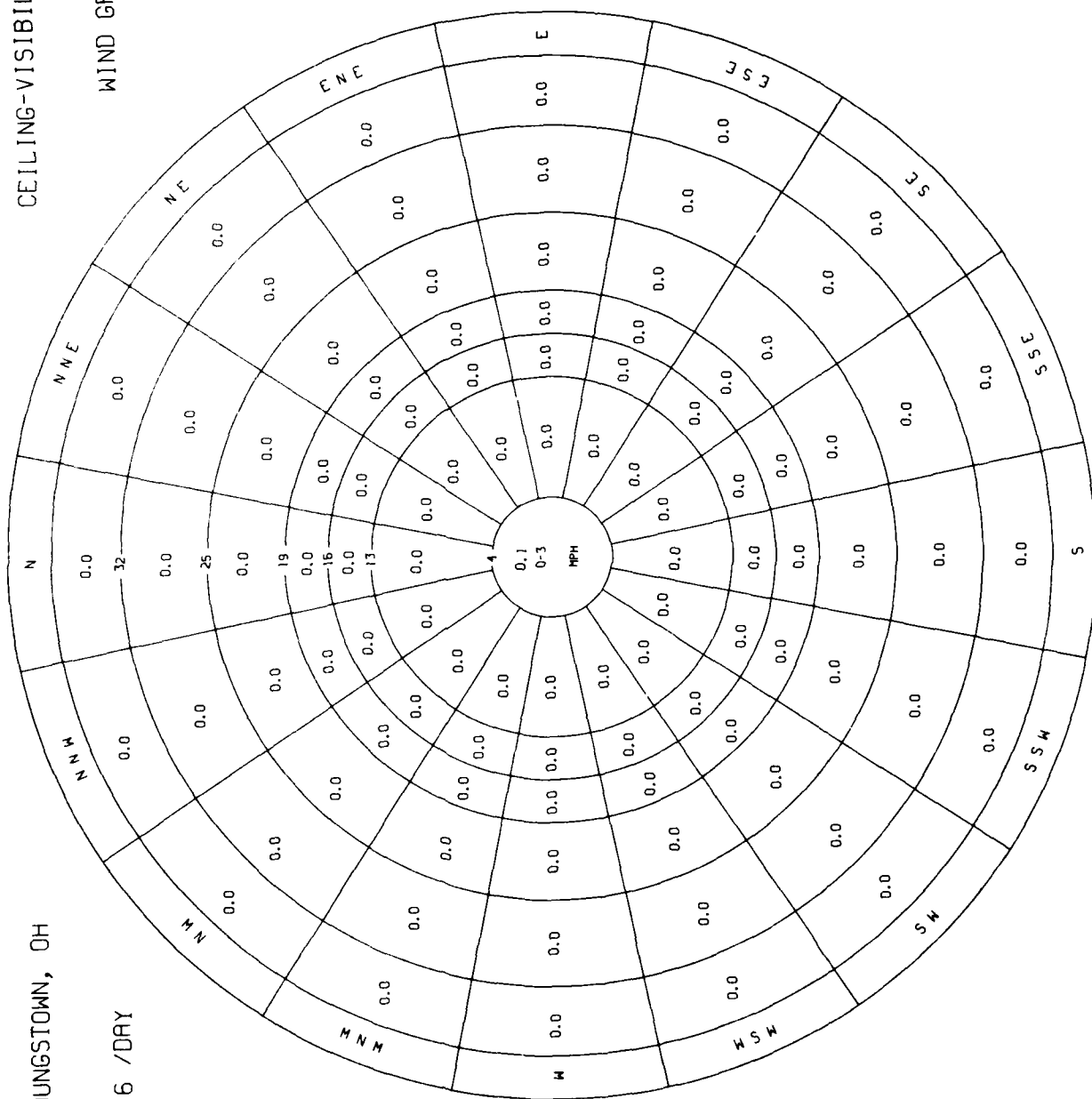
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	.9	.1	6.3	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	8.0	7.7
NNE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.8
NE	.0	.0	.0	4.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.4	8.1
ENE	.0	.6	.0	4.6	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	5.7	8.2
E	.0	1.1	.0	4.6	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.1	6.6	7.3
ESE	.0	.3	.0	3.2	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	4.0	8.4
SE	.0	.3	.1	6.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.4	8.4
SSE	.0	.0	.0	2.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	8.6
S	.0	1.1	.0	4.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	7.2
SSW	.0	.3	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	7.2
SW	.0	.6	.0	5.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	6.3	7.0
WSW	.0	.3	.0	3.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.6
W	.0	1.1	.0	3.4	.0	.9	.0	.6	.0	.3	.0	.0	.0	.0	.0	.1	6.3	8.8
WNNW	.0	.3	.0	5.7	.0	.3	.0	.0	.0	.9	.0	.3	.0	.0	.0	.1	7.4	10.2
NW	.0	.3	.0	5.4	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.1	6.3	9.0
NNW	.0	.0	.0	5.4	.0	1.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	7.4	9.8
CALM	.1	7.7														.1	7.7	
TOTAL	.1	14.9	.6	72.8	.1	7.4	.0	2.9	.0	1.7	.0	.3	.0	.0	.8	100	7.7	

CEILING-VISIBILITY

WIND GRAPH

YNG YOUNGSTOWN, OH

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

CLASS 6 / DAY

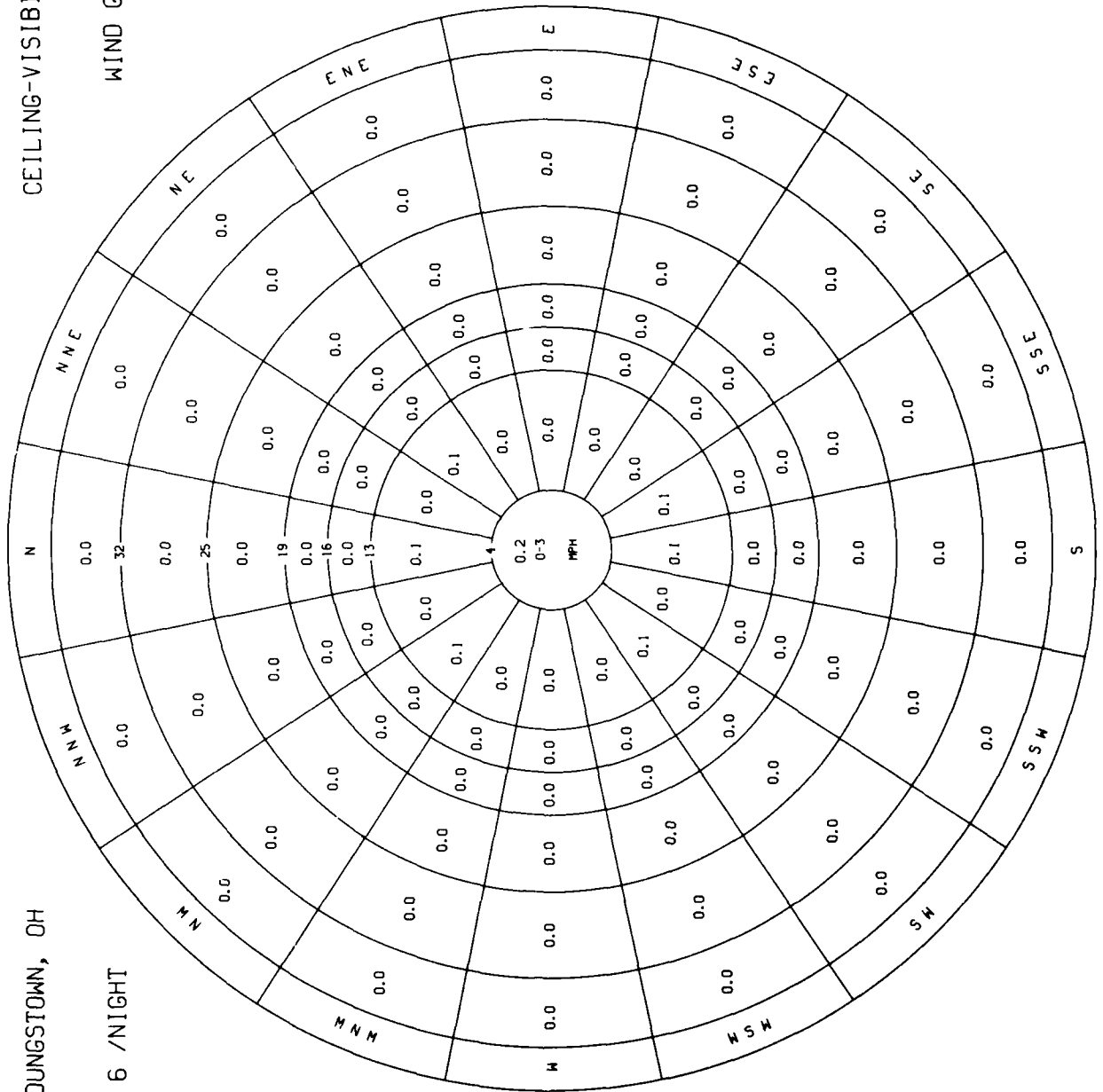
STATION NUMBER: 14852

NO. OBS.: 254

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	.0	3.5	.0	.4	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	6.3	8.5
NNE	.0	.8	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.8
NE	.0	.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.9
ENE	.0	.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.1
E	.0	.4	.0	4.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	5.5	8.3
ESE	.0	.8	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	5.7
SE	.0	.4	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	7.7
SSE	.0	1.2	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.9
S	.0	1.6	.0	5.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	6.7
SSW	.0	.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.0
SW	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	5.9	8.5
WSW	.0	1.2	.0	4.3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	6.3	7.7
W	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.0
WNW	.0	.4	.0	6.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.9	7.7
NW	.0	1.2	.0	5.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	6.7	8.2
NNW	.0	.8	.0	2.4	.0	.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	4.7	10.0
CALM	.1	12.2													.1	12.2		
TOTAL	.1	25.2	.4	68.9	.0	2.4	.0	1.6	.0	1.6	.0	.0	.0	.4	.5	100		6.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: YNG YOUNGSTOWN, OH

PERIOD: 1948-1978

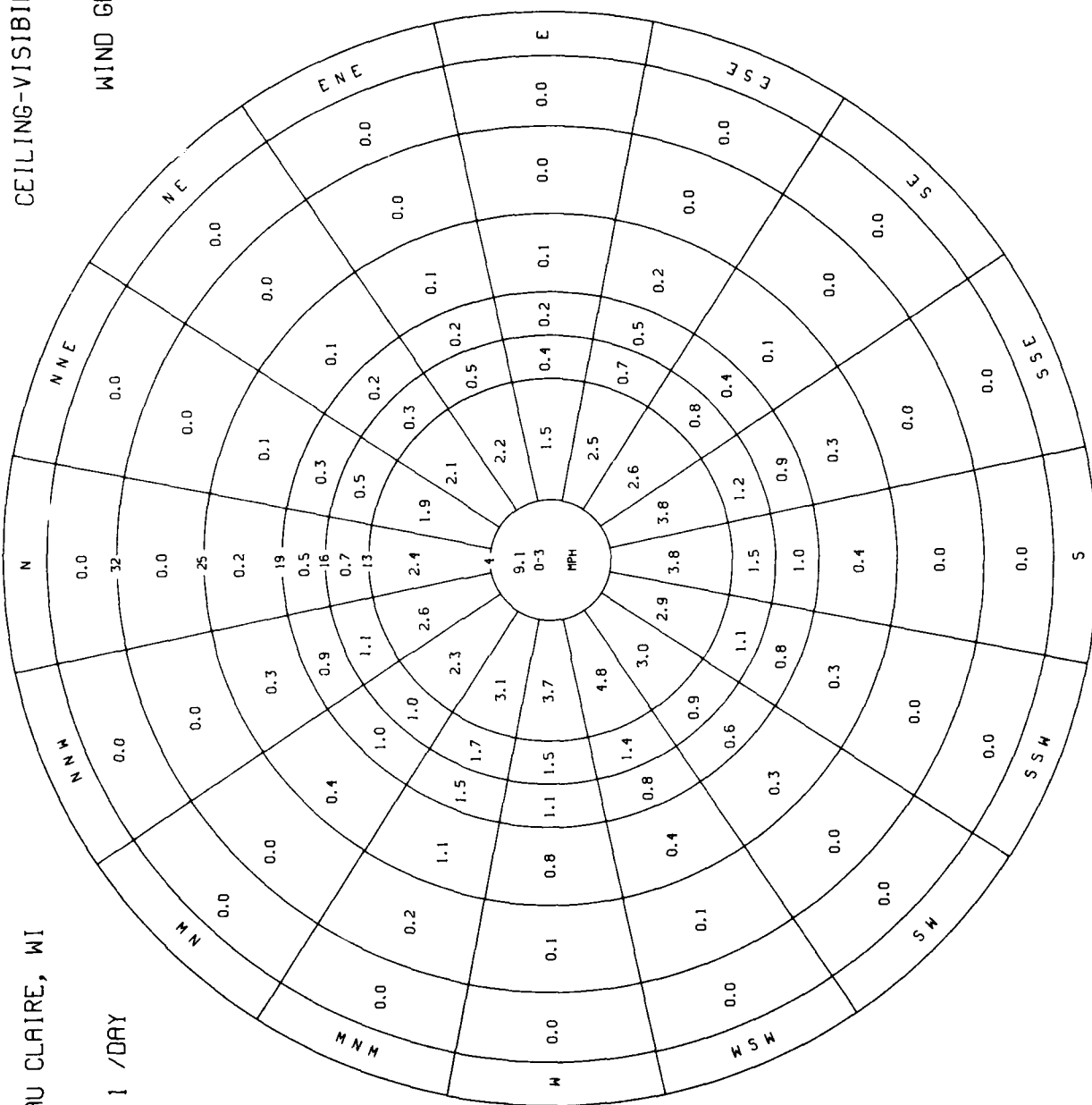
CLASS 6 / NIGHT

STATION NUMBER: 14852

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		C	D	
N	.0	.5	.1	5.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.2	7.5
NNE	.0	1.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.3
NE	.0	2.0	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	5.7
ENE	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.8
E	.0	.7	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	6.7
ESE	.0	.2	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.7
SE	.0	.5	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.5
SSE	.0	.0	.1	5.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	8.2
S	.0	.5	.1	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	7.2
SSW	.0	.0	.0	4.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	7.9
SW	.0	1.7	.1	6.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.9	6.2
WSW	.0	1.2	.0	3.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	4.7	6.1
W	.0	1.2	.0	3.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.2
WNW	.0	1.2	.0	4.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	6.3
NW	.0	.7	.1	7.2	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.1	8.9	7.3
NNW	.0	.2	.0	3.7	.0	1.2	.0	.5	.0	.5	.0	.0	.0	.0	.0	.1	6.2	10.5
CALM	.1	13.3														.1	13.3	
TOTAL	.2	25.4	.7	69.6	.0	3.2	.0	1.0	.0	.7	.0	.0	.0	.0	.0	1.0	100	6.1

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EAU EAU CLAIRE, WI

PERIOD: 1950-1978

CLASS 1 / DAY

STATION NUMBER: 14991

NO. OBS.: 39634

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			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.3	.3	2.4	2.8	.7	.8	.5	.6	.2	.3	.0	.0	.0	.0	4.1	4.8	10.9
NNE	.3	.3	1.9	2.2	.5	.6	.3	.4	.1	.1	.0	.0	.0	.0	3.1	3.6	9.9
NE	.3	.3	2.1	2.5	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.0	3.4	8.8
ENE	.3	.4	2.2	2.6	.5	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.3	3.8	9.2
E	.2	.3	1.5	1.7	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.8	9.9
ESE	.2	.2	2.5	2.9	.7	.8	.5	.5	.2	.2	.0	.0	.0	.0	4.1	4.7	10.8
SE	.3	.3	2.6	3.0	.8	.9	.4	.5	.1	.2	.0	.0	.0	.0	4.2	4.9	10.5
SSE	.3	.3	3.8	4.4	1.2	1.4	.9	1.0	.3	.4	.0	.0	.0	.0	6.6	7.6	11.4
S	.3	.3	3.8	4.4	1.5	1.7	1.0	1.1	.4	.5	.0	.0	.0	.0	6.9	8.0	11.5
SSW	.3	.3	2.9	3.4	1.1	1.2	.8	.9	.3	.4	.0	.0	.0	.0	5.4	6.2	11.5
SW	.3	.3	3.0	3.5	.9	1.1	.6	.7	.3	.3	.0	.0	.0	.0	5.1	5.9	10.9
WSW	.4	.4	4.8	5.5	1.4	1.6	.8	1.0	.4	.5	.1	.1	.0	.0	7.9	9.1	10.9
W	.3	.3	3.7	4.3	1.5	1.7	1.1	1.3	.8	.9	.1	.2	.0	.0	7.6	8.8	12.5
WNW	.2	.3	3.1	3.6	1.7	2.0	1.5	1.7	1.1	1.3	.2	.2	.0	.0	7.9	9.2	13.7
NW	.2	.2	2.3	2.7	1.0	1.2	1.0	1.1	.4	.5	.0	.1	.0	.0	4.9	5.7	12.6
NNW	.2	.2	2.6	3.0	1.1	1.3	.9	1.0	.3	.4	.0	.0	.0	.0	5.1	5.9	12.1
CALM	4.8	5.6													4.8	5.6	
TOTAL	9.1	10.5	45.4	52.5	15.2	17.6	10.8	12.4	5.2	6.0	.6	.7	.1	.1	86.4	100	10.8

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EAU EAU CLAIRE, WI

PERIOD: 1950-1978

CLASS 1 / NIGHT

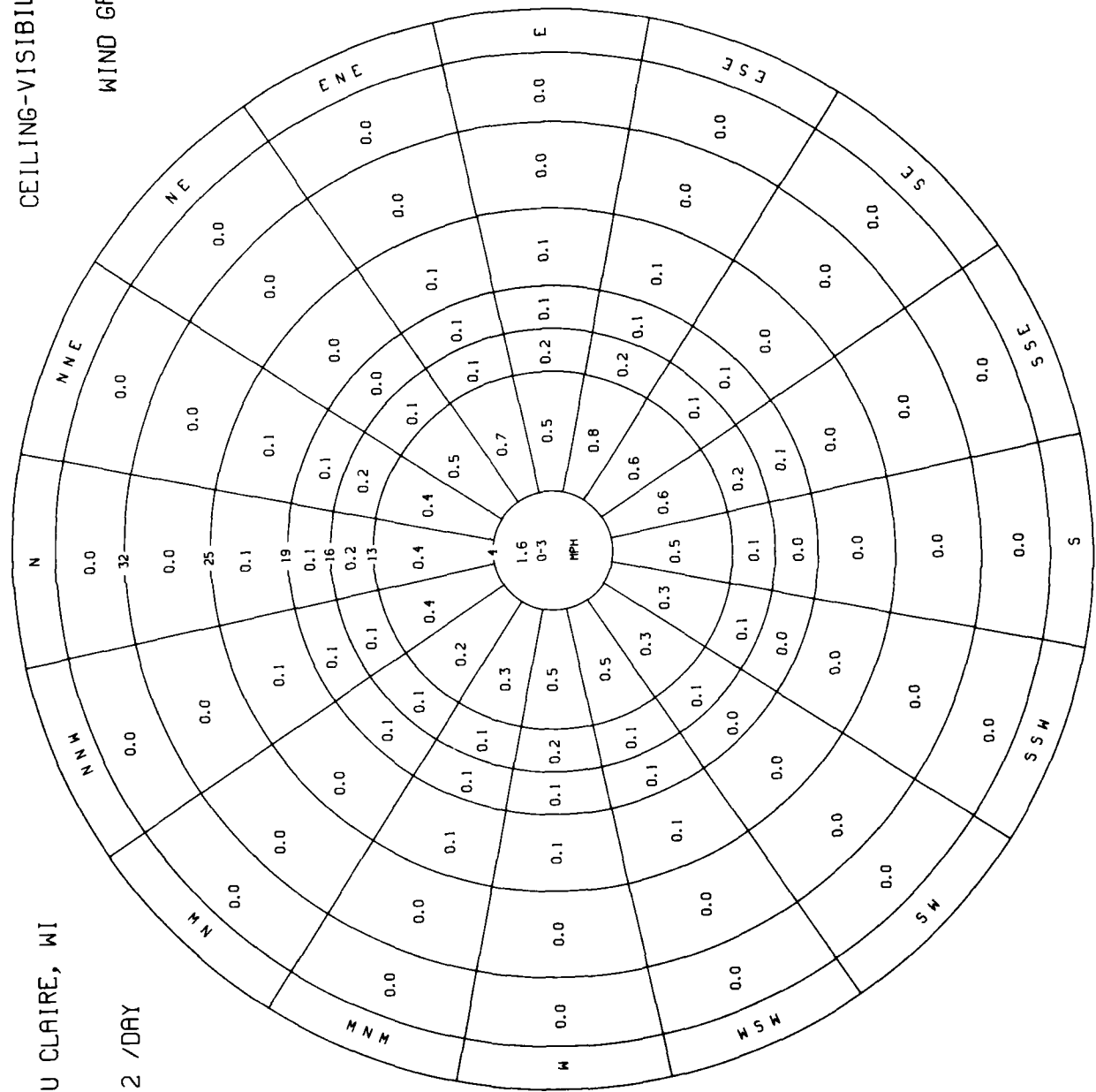
STATION NUMBER: 14991

NO. OBS.: 33673

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	.4	.5	2.3	2.7	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.3 3.8
NNE	.5	.6	2.1	2.5	.3	.4	.1	.1	.1	.1	.0	.0	.0	.0	3.2 3.7
NE	.5	.6	2.8	3.2	.2	.3	.1	.1	.0	.1	.0	.0	.0	.0	3.7 4.3
ENE	.7	.8	2.5	2.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.6 4.1
E	.4	.5	1.5	1.8	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.5 2.8
ESE	.4	.5	2.4	2.8	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	3.8 4.4
SE	.4	.5	2.6	3.0	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	3.8 4.4
SSE	.6	.7	4.7	5.4	.7	.8	.2	.3	.1	.1	.0	.0	.0	.0	6.3 7.3
S	.7	.8	5.1	5.9	.6	.7	.2	.2	.1	.1	.0	.0	.0	.0	6.6 7.7
SSW	.7	.8	3.1	3.5	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	4.3 5.0
SW	.8	1.0	3.4	3.9	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	4.7 5.5
WSW	.9	1.0	6.0	6.9	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	7.8 9.0
W	.4	.4	3.7	4.3	.8	.9	.5	.6	.3	.4	.0	.1	.0	.0	5.8 6.7
WNW	.3	.4	3.0	3.4	.9	1.0	.7	.8	.4	.5	.1	.1	.0	.0	5.4 6.3
NW	.3	.4	2.2	2.6	.6	.7	.4	.5	.2	.3	.0	.0	.0	.0	3.8 4.4
NNW	.4	.4	2.3	2.7	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	4.0 4.6
CALM	14.1	16.2													14.1 16.2
TOTAL	22.7	26.1	49.8	57.4	7.9	9.1	4.2	4.9	1.9	2.2	.2	.3	.0	.0	86.8 100
															7.4

EAU EAU CLAIRE, WI

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:EAU EAU CLAIRE, WI

PERIOD: 1950-1978

CLASS 2 / DAY

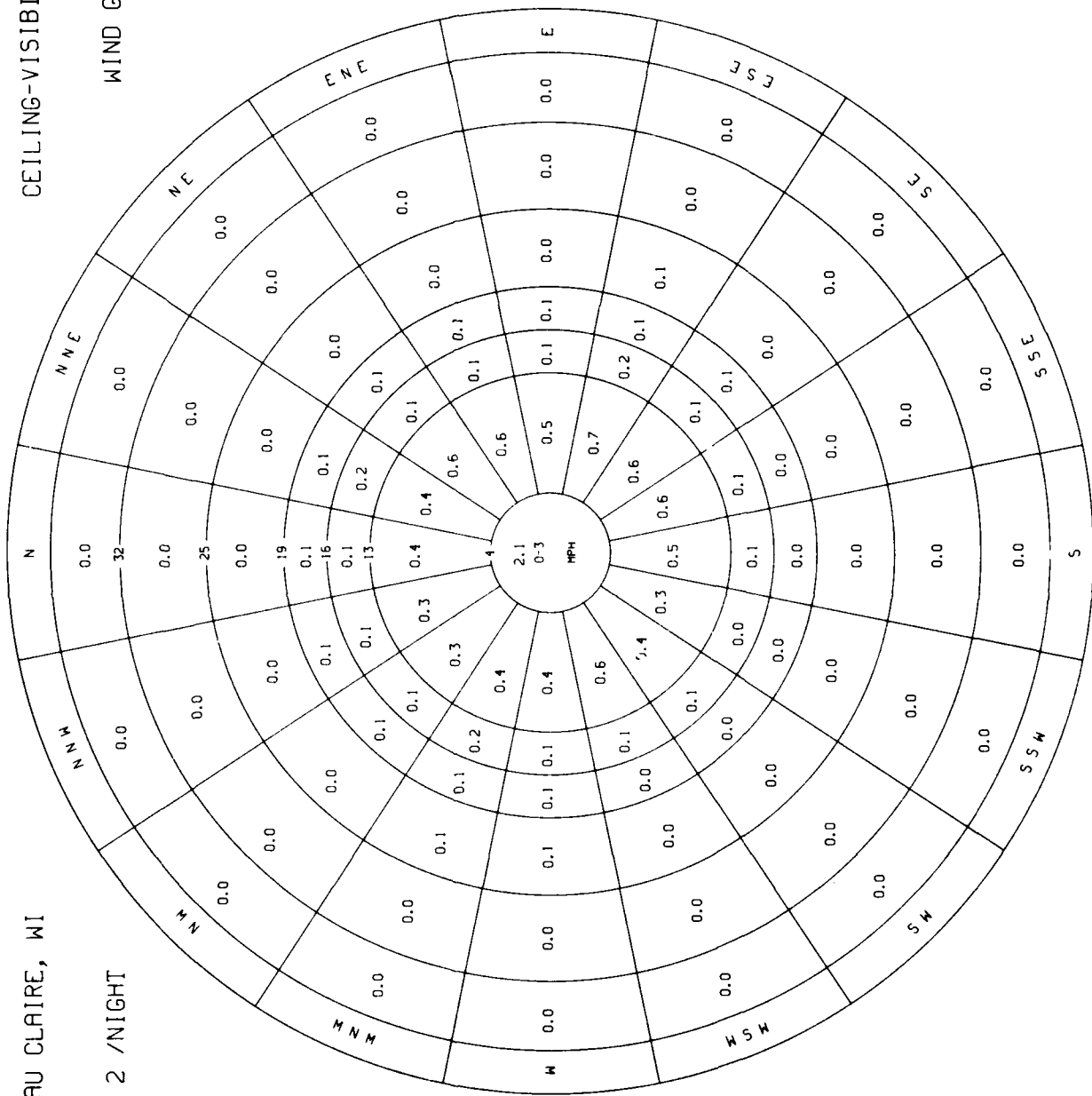
STATION NUMBER: 14991

NO. OBS.: 6253

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	.4	3.1	.2	1.1	.1	.7	.1	.5	.0	.0	.0	.0	.8	5.9	11.4
NNE	.1	.4	.4	3.2	.2	1.1	.1	1.1	.1	.5	.0	.0	.0	.0	.9	6.3	11.8
NE	.1	.4	.5	3.6	.1	.8	.0	.4	.0	.3	.0	.0	.0	.0	.7	5.4	9.8
ENE	.1	.6	.7	4.8	.1	1.0	.1	.8	.1	.4	.0	.0	.0	.0	1.0	7.7	10.5
E	.0	.3	.5	3.8	.2	1.5	.1	.8	.1	.4	.0	.0	.0	.0	.9	6.8	11.3
ESE	.1	.4	.8	5.7	.2	1.6	.1	1.0	.1	.6	.0	.0	.0	.0	1.3	9.4	11.2
SE	.0	.2	.6	4.2	.1	1.0	.1	.8	.0	.2	.0	.0	.0	.0	.9	6.4	10.7
SSE	.0	.3	.6	4.6	.2	1.2	.1	.5	.0	.1	.0	.0	.0	.0	.9	6.7	10.4
S	.0	.1	.5	3.5	.1	.9	.0	.3	.0	.2	.0	.0	.0	.0	.7	5.0	10.3
SSW	.0	.4	.3	2.1	.1	.5	.0	.2	.0	.2	.0	.1	.0	.0	.5	3.4	10.0
SW	.0	.2	.3	2.4	.1	.4	.0	.2	.0	.2	.0	.0	.0	.0	.5	3.5	9.8
WSW	.0	.3	.5	3.6	.1	.6	.1	.8	.1	.4	.0	.1	.0	.1	.8	5.9	11.3
W	.0	.3	.5	3.3	.2	1.3	.1	.9	.1	.7	.0	.1	.0	.0	.9	6.7	12.4
WNW	.0	.2	.3	2.4	.1	.9	.1	.9	.1	.8	.0	.2	.0	.0	.7	5.4	13.4
NW	.0	.2	.2	1.8	.1	.8	.1	.6	.0	.2	.0	.0	.0	.0	.5	3.6	12.1
NNW	.0	.1	.4	2.7	.1	1.1	.1	.8	.1	.5	.0	.1	.0	.0	.7	5.3	12.7
CALM	.9	6.7													.9	6.7	
TOTAL	1.6	11.4	7.5	54.8	2.2	15.9	1.5	10.7	.8	6.1	.1	.9	.0	.2	13.6	100	10.5

CEILING-VISIBILITY

WIND GRAPH



EAU EAU CLAIRE, WI

CLASS 2 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EAU CLAUDE, WI

PERIOD: 1950-1978

CLASS 2 / NIGHT

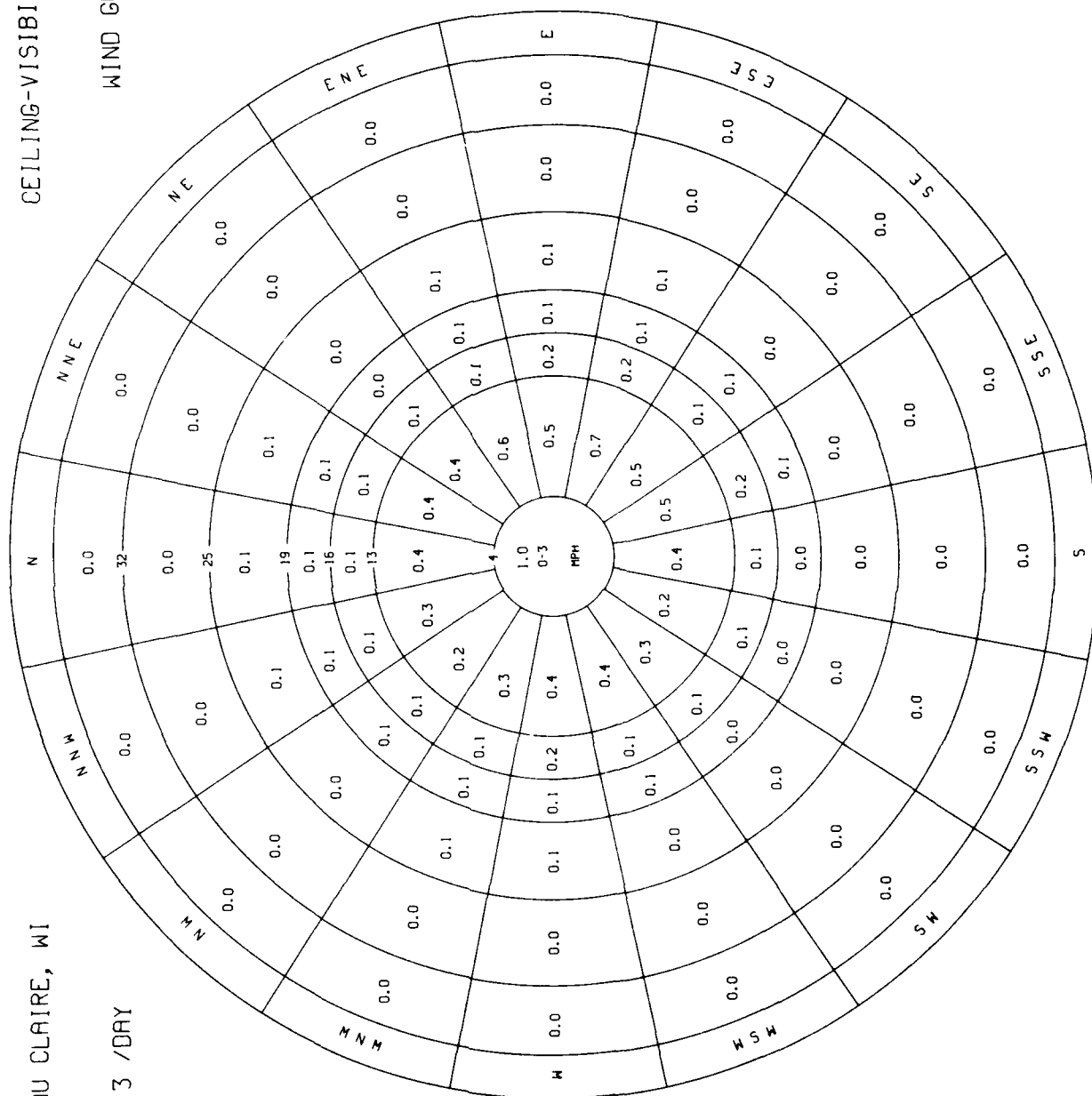
STATION NUMBER: 14991

NO. OBS.: 5108

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	.4	3.2	.1	.8	.1	.6	.0	.2	.0	.1	.0	.0	.7	5.2	10.3
NNE	.1	.6	.4	3.4	.2	1.3	.1	.8	.0	.4	.0	.0	.0	.0	.9	6.5	10.7
NE	.1	.6	.6	4.4	.1	.8	.1	.5	.0	.2	.0	.0	.0	.0	.8	6.4	9.0
ENE	.1	.8	.6	4.5	.1	.9	.1	.5	.0	.3	.0	.0	.0	.0	.9	7.0	9.3
E	.0	.4	.5	4.1	.1	1.1	.1	.6	.0	.2	.0	.1	.0	.0	.8	6.3	10.1
ESE	.0	.4	.7	5.4	.2	1.4	.1	.8	.1	.6	.0	.1	.0	.0	1.1	8.7	10.8
SE	.0	.4	.6	4.3	.1	.9	.1	.5	.0	.2	.0	.0	.0	.0	.8	6.2	9.9
SSE	.0	.4	.6	4.2	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.7	5.6	9.0
S	.1	.4	.5	4.2	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.7	5.3	8.9
SSW	.0	.4	.3	2.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.3	8.3
SW	.0	.3	.4	2.7	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.5	3.9	9.0
WSW	.1	.4	.6	4.3	.1	.7	.0	.4	.0	.2	.0	.1	.0	.0	.8	6.1	9.7
W	.0	.4	.4	3.3	.1	.9	.1	.7	.1	.5	.0	.1	.0	.1	.8	6.0	11.6
WNW	.0	.3	.4	2.9	.2	1.2	.1	.7	.1	.4	.0	.2	.0	.0	.7	5.7	12.0
NW	.0	.2	.3	2.1	.1	.6	.1	.4	.0	.2	.0	.1	.0	.0	.5	3.6	11.0
NNW	.0	.3	.3	2.5	.1	.6	.1	.4	.0	.4	.0	.1	.0	.0	.6	4.3	11.2
CALM	1.3	9.8													1.3	9.8	
TOTAL	2.1	16.2	7.6	58.0	1.7	13.1	1.0	7.8	.5	3.8	.1	.9	.0	.2	13.2	100	9.1

EAU EAU CLAIRE, WI

CLASS 3 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:EAU EAU CLAIRE, WI

PERIOD:1950-1978

CLASS 3 / DAY

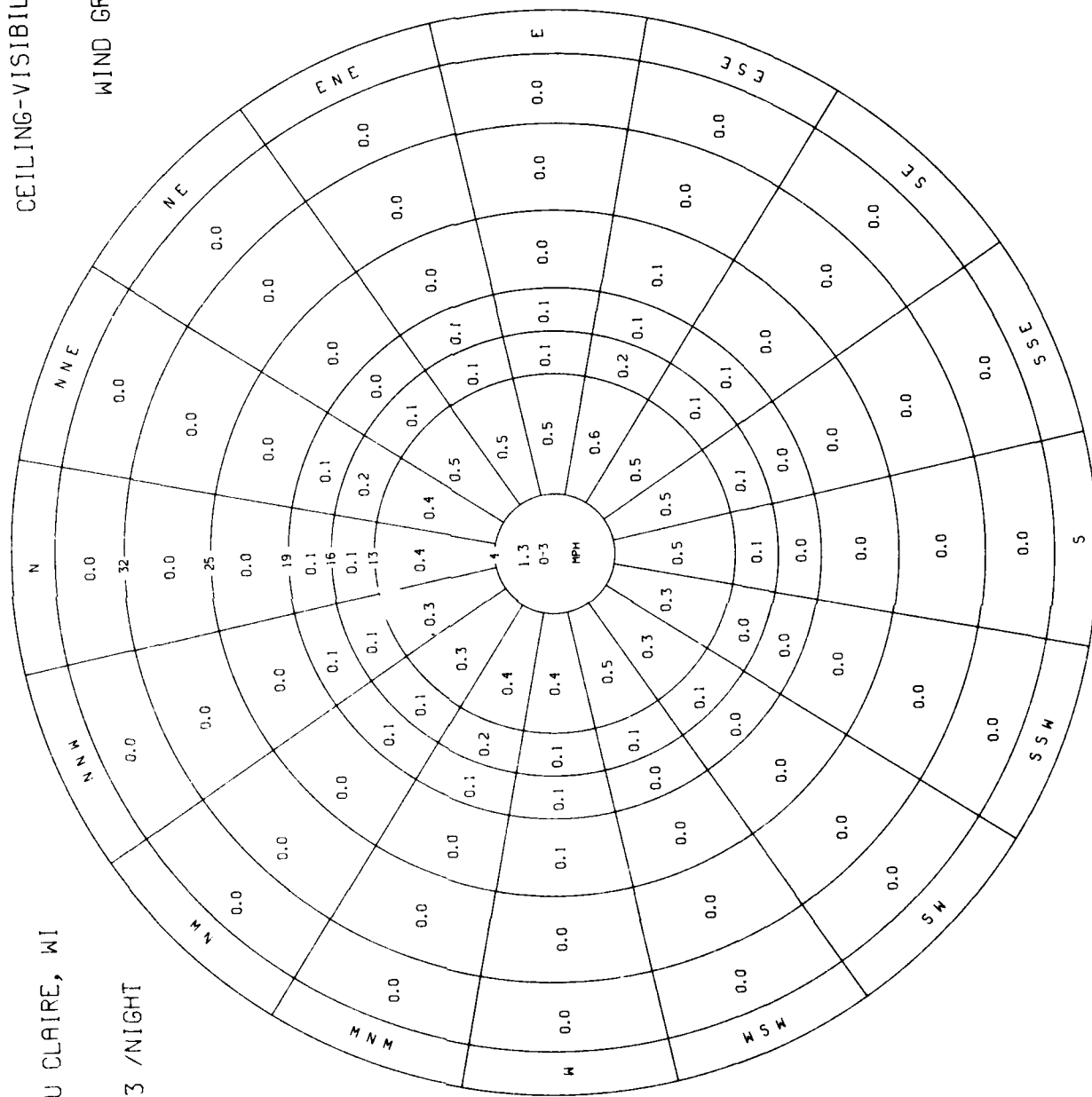
STATION NUMBER:14991

NO. OBS.: 5451

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	.4	3.2	.1	1.2	.1	.8	.1	.5	.0	.0	.0	.0	.7 6.0 11.5
NNE	.0	.2	.4	3.0	.1	1.2	.1	1.0	.1	.4	.0	.0	.0	.0	.7 5.8 11.9
NE	.1	.4	.4	3.3	.1	.8	.0	.3	.0	.2	.0	.0	.0	.0	.6 5.2 9.8
ENE	.1	.5	.6	4.7	.1	1.0	.1	.7	.1	.4	.0	.0	.0	.0	.9 7.4 10.6
E	.0	.3	.5	4.0	.2	1.4	.1	.9	.1	.5	.0	.0	.0	.0	.8 7.1 11.3
ESE	.0	.4	.7	6.1	.2	1.7	.1	1.0	.1	.7	.0	.0	.0	.0	1.2 10.0 11.3
SE	.0	.1	.5	4.3	.1	1.1	.1	.9	.0	.1	.0	.0	.0	.0	.8 6.6 11.0
SSE	.0	.3	.5	4.5	.2	1.3	.1	.6	.0	.1	.0	.0	.0	.0	.8 6.8 10.7
S	.0	.1	.4	3.5	.1	1.0	.0	.3	.0	.2	.0	.0	.0	.0	.6 5.2 10.6
SSW	.0	.3	.2	2.1	.1	.6	.0	.2	.0	.2	.0	.1	.0	.0	.4 3.4 10.4
SW	.0	.2	.3	2.3	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.4 3.5 10.3
WSW	.0	.2	.4	3.6	.1	.7	.1	.8	.0	.4	.0	.1	.0	.1	.7 5.9 11.6
W	.0	.2	.4	3.4	.2	1.5	.1	1.0	.1	.8	.0	.2	.0	.0	.8 7.1 12.7
WNW	.0	.2	.3	2.7	.1	1.0	.1	1.0	.1	.8	.0	.1	.0	.0	.7 5.9 13.4
NW	.0	.2	.2	2.0	.1	.9	.1	.7	.0	.2	.0	.1	.0	.0	.5 4.0 12.3
NNW	.0	.1	.3	2.9	.1	1.2	.1	.9	.1	.6	.0	.1	.0	.0	.7 5.7 12.8
CALM	.5	4.5													.5 4.5
TOTAL	1.0	8.5	6.6	55.5	2.0	17.2	1.4	11.4	.8	6.3	.1	.8	.0	.2	11.9 100 10.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EAU EAU CLAIRE, WI

PERIOD: 1950-1978

CLASS 3 / NIGHT

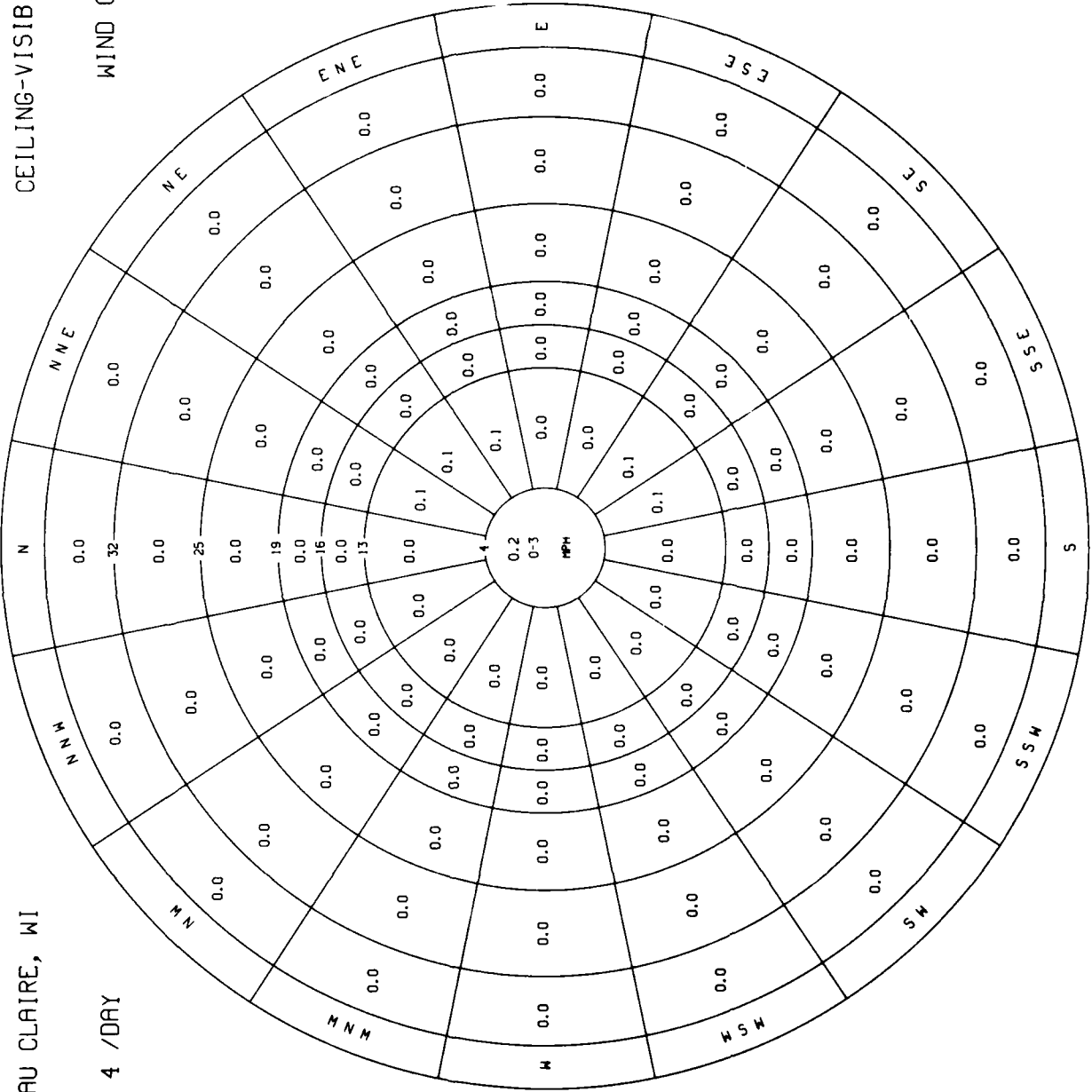
STATION NUMBER: 14991

NO. OBS.: 4243

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	.4	3.5	.1	.9	.1	.6	.0	.1	.0	.0	.0	.0	.6	5.5	10.2
NNE	.1	.5	.4	3.4	.2	1.4	.1	.8	.0	.3	.0	.0	.0	.0	.7	6.5	10.9
NNE	.1	.5	.5	4.1	.1	.8	.0	.4	.0	.2	.0	.0	.0	.0	.7	6.1	9.1
ENE	.1	.7	.5	4.5	.1	.9	.1	.6	.0	.3	.0	.0	.0	.0	.8	6.9	9.5
E	.0	.4	.5	4.2	.1	1.3	.1	.7	.0	.1	.0	.0	.0	.0	.7	6.7	10.2
ESE	.0	.3	.6	5.8	.2	1.6	.1	.9	.1	.6	.0	.1	.0	.0	1.0	9.2	11.0
SE	.0	.3	.5	4.4	.1	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.7	6.5	10.1
SSE	.0	.3	.5	4.4	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.6	5.8	9.2
S	.0	.3	.5	4.4	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.6	5.6	9.2
SSW	.0	.2	.3	2.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.3	8.8
SW	.0	.3	.3	2.6	.1	.5	.0	.4	.0	.1	.0	.0	.0	.0	.4	3.9	9.7
WSW	.0	.4	.5	4.4	.1	.8	.0	.4	.0	.2	.0	.0	.0	.0	.7	6.3	9.9
W	.0	.3	.4	3.5	.1	1.0	.1	.8	.1	.5	.0	.1	.0	.1	.7	6.4	11.8
WNW	.0	.3	.4	3.3	.2	1.4	.1	.8	.0	.4	.0	.2	.0	.0	.7	6.3	12.0
NW	.0	.2	.3	2.5	.1	.7	.1	.5	.0	.2	.0	.0	.0	.0	.4	4.0	10.9
NNW	.0	.3	.3	2.6	.1	.7	.1	.5	.0	.4	.0	.0	.0	.0	.5	4.5	11.2
CALM	.7	6.6													.7	6.6	
TOTAL	1.3	11.9	6.6	60.1	1.6	14.7	.9	8.6	.4	3.8	.1	.7	.0	.1	10.9	100	9.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: EAU EAU CLAIRE, WI

CLASS 4 / DAY

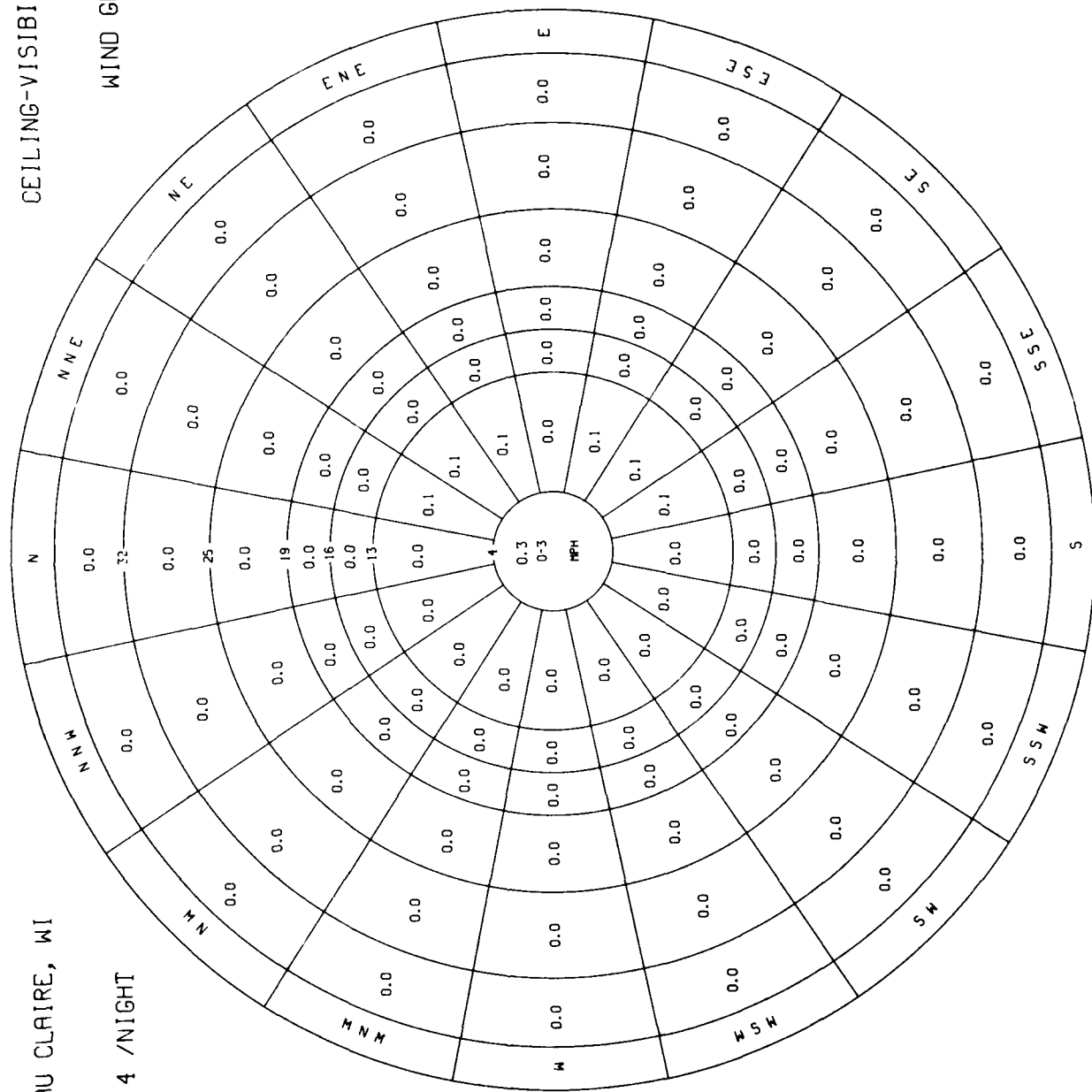
NO. OBS.: 463

STATION NUMBER: 14991

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	.6	.0	3.5	.0	1.3	.0	.6	.0	.4	.0	.0	.0	.0	.1	6.5	10.8
NNE	.0	1.1	.1	5.4	.0	1.1	.0	2.4	.0	1.3	.0	.2	.0	.0	.1	11.4	12.1
NE	.0	.4	.1	5.4	.0	1.3	.0	.4	.0	.9	.0	.0	.0	.0	.1	8.4	10.5
ENE	.0	.9	.1	5.6	.0	1.3	.0	1.7	.0	.6	.0	.0	.0	.0	.1	10.2	10.8
E	.0	.2	.0	1.9	.0	2.8	.0	.9	.0	.0	.0	.0	.0	.0	.1	5.8	11.7
ESE	.0	.2	.0	3.9	.0	1.3	.0	.6	.0	.2	.0	.0	.0	.0	.1	6.3	10.6
SE	.0	.4	.1	5.2	.0	.9	.0	.4	.0	.2	.0	.0	.0	.0	.1	7.1	9.3
SSE	.0	.2	.1	6.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.9	8.8
S	.0	.4	.0	3.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	7.0
SSW	.0	.6	.0	1.5	.0	.0	.0	.2	.0	.4	.0	.0	.0	.0	.0	2.8	9.2
SW	.0	.6	.0	1.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.8	6.5
WSW	.0	.4	.0	2.4	.0	.2	.0	.2	.0	.2	.0	.4	.0	.0	.0	3.9	11.6
W	.0	.2	.0	2.8	.0	.4	.0	.0	.0	.6	.0	.0	.0	.0	.0	4.1	10.9
WNW	.0	.0	.0	.6	.0	.4	.0	.4	.0	.4	.0	.6	.0	.0	.0	2.6	17.5
NW	.0	.0	.0	.6	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	1.1	11.8
NNW	.0	.0	.0	2.6	.0	.6	.0	.2	.0	.0	.0	.2	.0	.0	.0	3.7	11.6
CALM	.1	12.3													.1	12.3	
TOTAL	.2	18.8	.5	53.1	.1	12.3	.1	8.6	.1	5.6	.0	1.5	.0	.0	1.0	100	9.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:EAU EAU CLAIRE, WI

PERIOD: 1950-1978

CLASS 4 / NIGHT

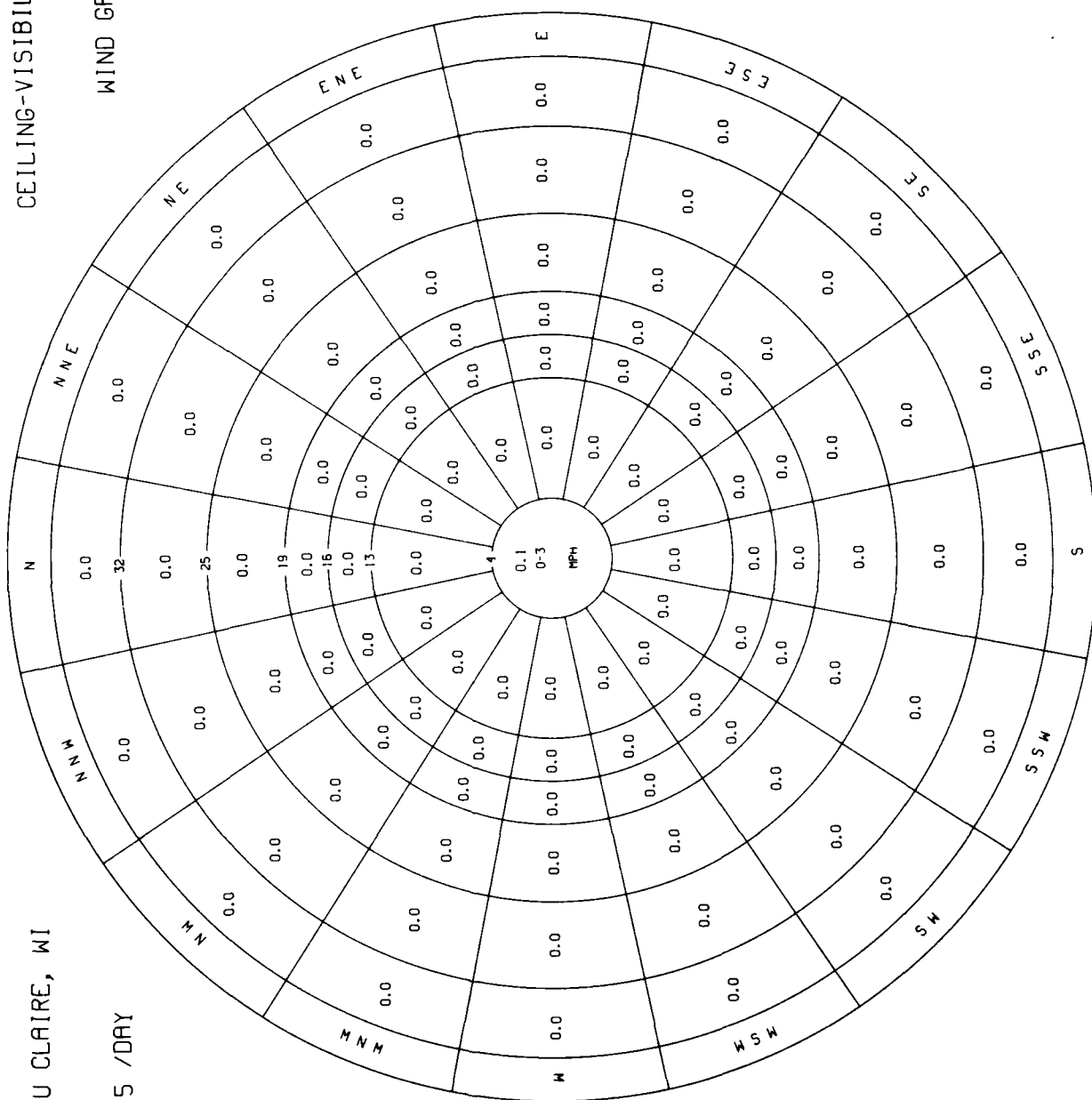
STATION NUMBER: 14991

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	.6	.0	2.9	.0	.4	.0	.6	.0	.4	.0	.2	.0	.0	.1 5.3
NNE	.0	1.1	.1	4.2	.0	.8	.0	.8	.0	.8	.0	.0	.0	.0	.1 7.8
NE	.0	1.1	.1	5.7	.0	.8	.0	.6	.0	.0	.0	.2	.0	.0	.1 8.4
ENE	.0	.8	.1	6.1	.0	1.5	.0	.2	.0	.2	.0	.0	.0	.0	.1 8.8
E	.0	.4	.0	2.9	.0	.6	.0	.4	.0	.4	.0	.4	.0	.0	.1 5.3
ESE	.0	.6	.1	5.7	.0	.6	.0	.8	.0	.6	.0	.0	.0	.0	.1 8.4
SE	.0	.2	.1	4.4	.0	.8	.0	.2	.0	.2	.0	.0	.0	.0	.1 5.9
SSE	.0	.6	.1	4.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 5.5
S	.0	.6	.0	3.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.2
SSW	.0	.8	.0	1.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SW	.0	.4	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
WSW	.0	.4	.0	2.9	.0	.6	.0	.0	.0	.2	.0	.4	.0	.0	.1 4.6
W	.0	.4	.0	1.9	.0	.0	.0	.2	.0	.4	.0	.4	.0	.0	.0 3.4
WNW	.0	.2	.0	1.3	.0	.2	.0	.2	.0	1.1	.0	.0	.0	.0	.0 2.9
NW	.0	.0	.0	.6	.0	.2	.0	.0	.0	.2	.0	.2	.0	.0	.0 1.3
NNW	.0	.6	.0	2.5	.0	.2	.0	.0	.0	.2	.0	.4	.0	.2	.1 4.2
CALM	.2	17.7													.2 17.7
TOTAL	.3	26.7	.7	53.5	.1	8.0	.1	4.4	.1	4.8	.0	2.3	.0	.2	1.2 100
															8.0

CEILING-VISIBILITY

WIND GRAPH



EAU EAU CLAIRE, WI

CLASS 5 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:EAU EAU CLAIRE, WI

PERIOD: 1950-1978

CLASS 5 / DAY

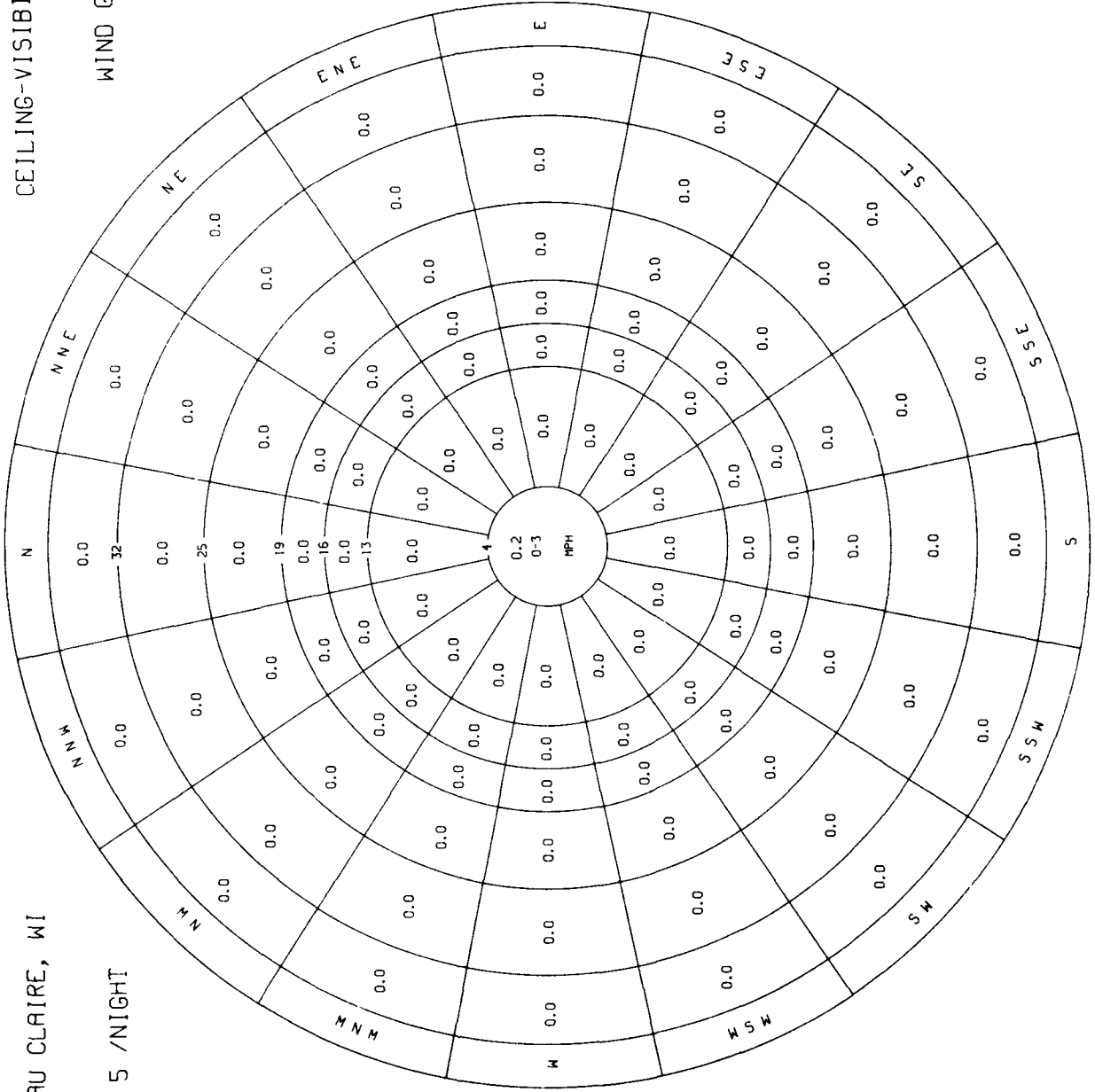
STATION NUMBER:14991

NO. OBS.: 131

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	2.3	.0	.0	.0	1.5	.0	.0	.0	.8	.0	.0	.0 4.6
NNE	.0	.8	.0	4.6	.0	.0	.0	1.5	.0	2.3	.0	.0	.0	.0	.0 9.2
NNE	.0	.0	.0	6.9	.0	.8	.0	.8	.0	.8	.0	.0	.0	.0	.0 9.2
ENE	.0	3.1	.0	9.2	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	.0 15.3
E	.0	.8	.0	2.3	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0 4.6
ESE	.0	.0	.0	4.6	.0	.8	.0	.0	.0	1.5	.0	.0	.0	.0	.0 6.9
SSE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0 3.8
S	.0	.8	.0	3.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0 4.6
SSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
WSW	.0	1.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
W	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6
WNW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
NW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
NNW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0 1.5
CALM	.1	21.4													.1 21.4
TOTAL	.1	30.5	.1	51.9	.0	1.5	.0	6.1	.0	8.4	.0	1.5	.0	.0	.3 100
															7.5

CEILING-VISIBILITY

WIND GRAPH

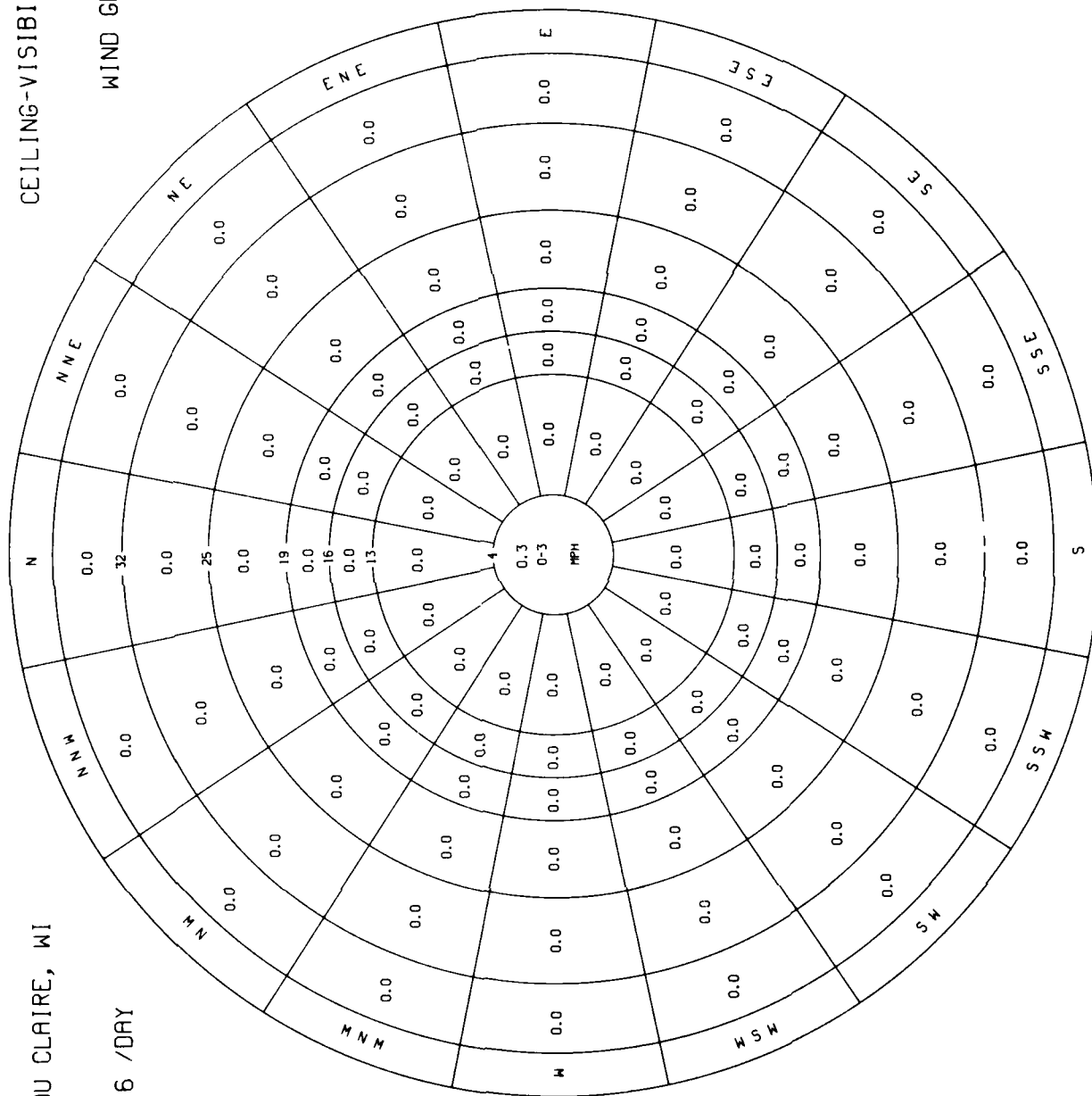


CEILING-VISIBILITY

WIND GRAPH

EAU EAU CLAIRE, WI

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: EAU EAU CLAIRE, WI

CLASS 6 / DAY

NO. OBS.: 208

STATION NUMBER: 14991

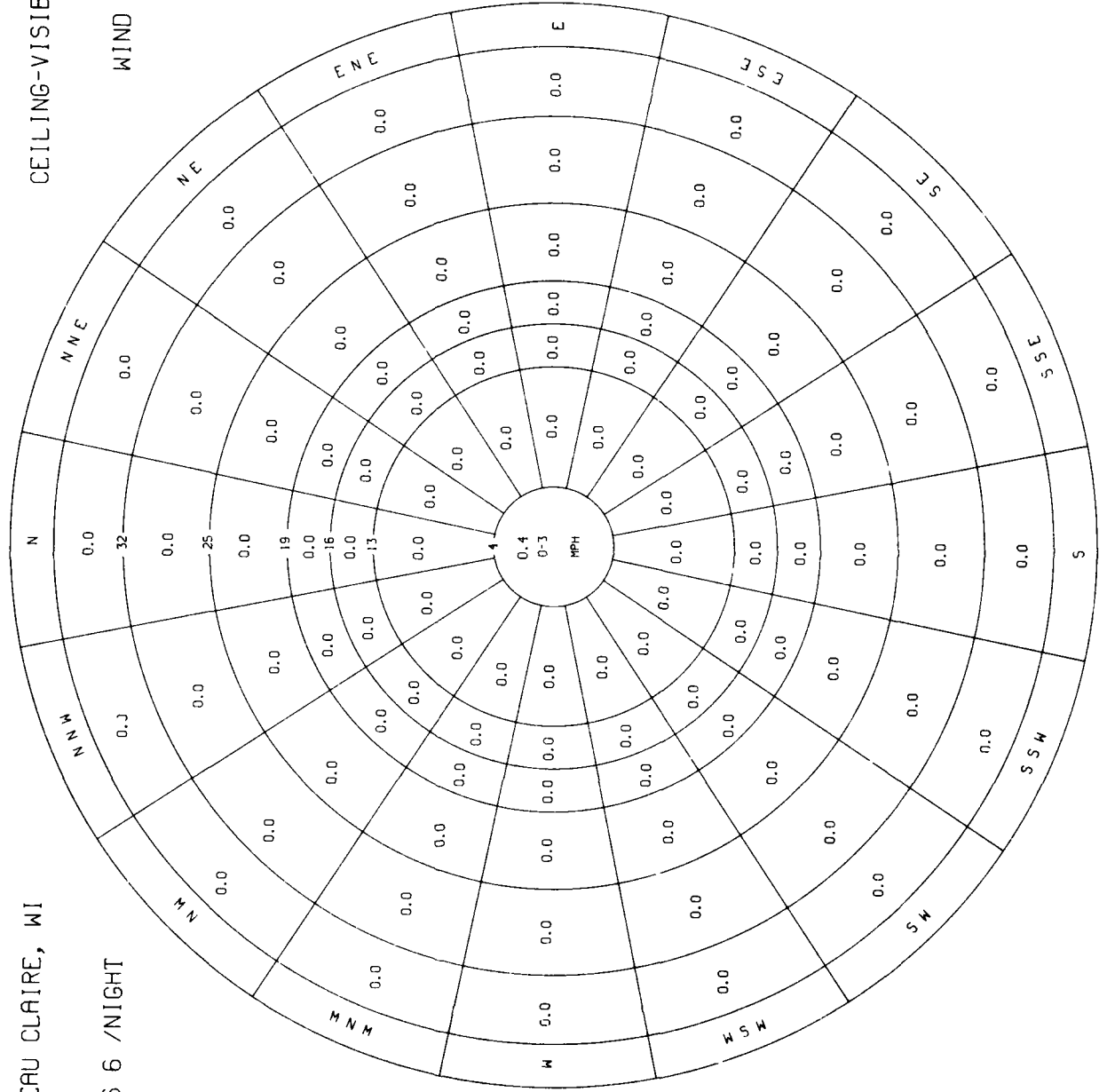
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
NNE	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
NNE	.0	1.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
ENE	.0	1.0	.0	3.8	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0 5.3
E	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ESE	.0	1.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SE	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SSE	.0	.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
S	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
SSW	.0	1.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.8
SW	.0	1.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
WSW	.0	1.0	.0	10.1	.0	.5	.0	.0	.0	.0	.0	.0	.5	.0	.1 12.0
W	.0	1.4	.0	1.9	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0 3.8
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
NNW	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
CALM	.2	43.8													.2 43.8
TOTAL	.3	57.2	.2	40.9	.0	.5	.0	.0	.0	.5	.0	.5	.0	.5	.5 100

EAU EAU CLAIRE, WI

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:EAU EAU CLAIRE, WI

PERIOD: 1950-1978

CLASS 6 / NIGHT

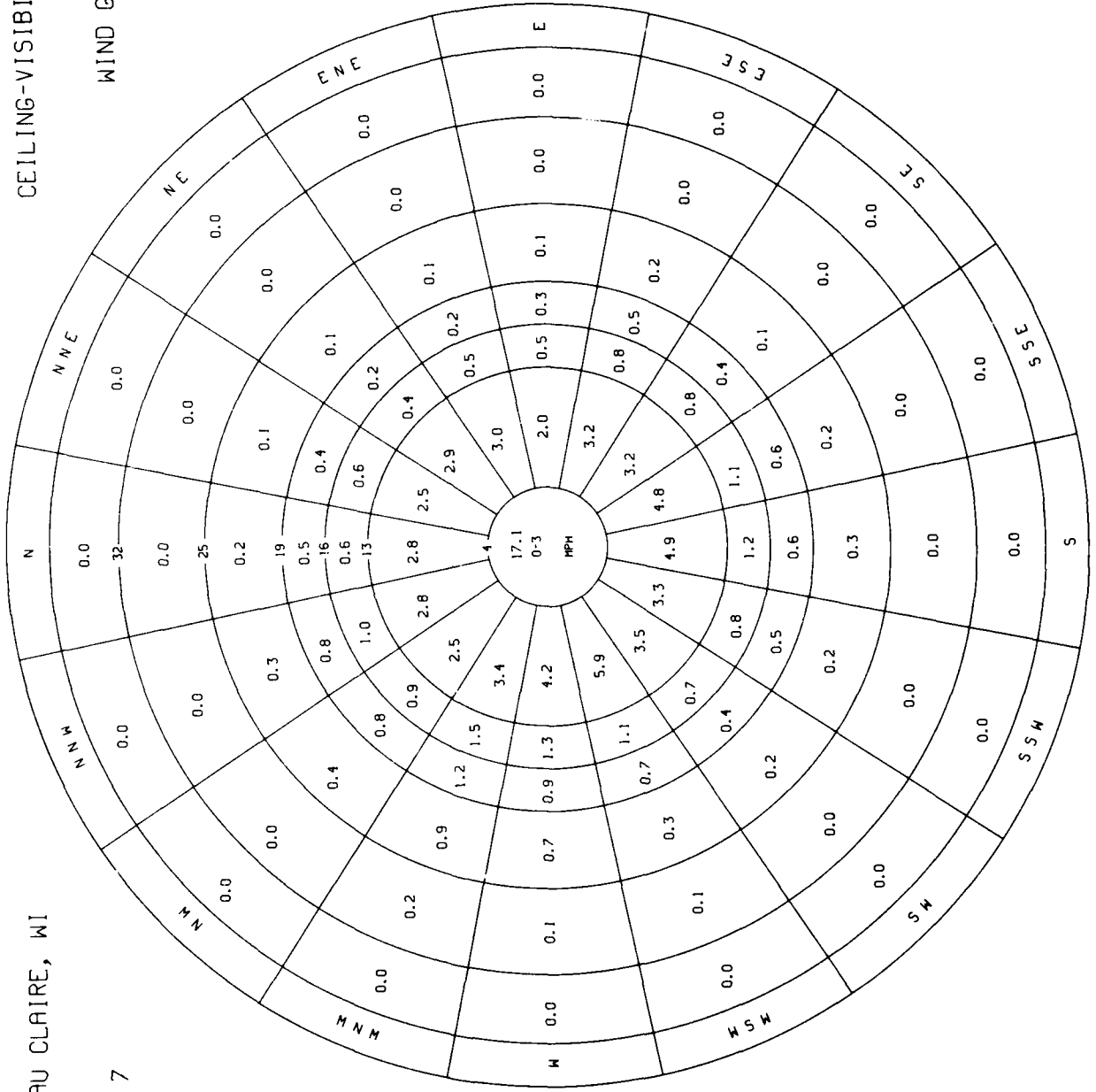
STATION NUMBER: 14991

NO. OBS.: 232

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	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.9
NNE	.0	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
NE	.0	1.3	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
ENE	.0	2.6	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
E	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
ESE	.0	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
SSE	.0	.4	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.2
S	.0	2.2	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
SSW	.0	1.3	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
SW	.0	.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
WSW	.0	1.3	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9
W	.0	1.7	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
WNW	.0	.4	.0	1.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	6.0
NW	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
NNW	.0	.4	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
CALM	.2	41.4													2.6
TOTAL	.4	58.6	.2	40.1	.0	.4	.0	.9	.0	.0	.0	.0	.0	.6	41.4
															100
															3.1

CEILING-VISIBILITY

WIND GRAPH



EAU EAU CLAIRE, WI

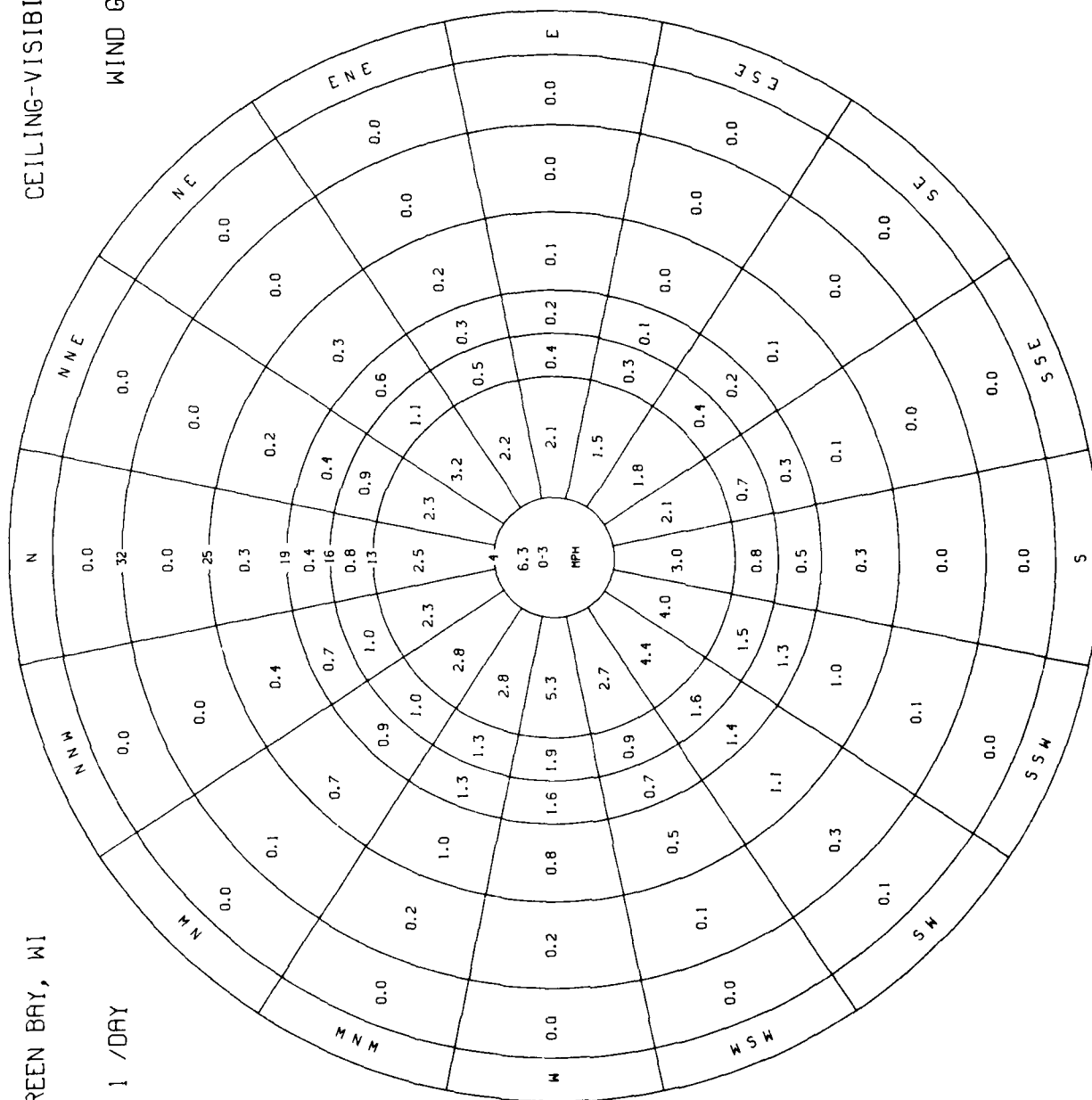
CLASS 7

CEILING-VISIBILITY

WIND GRAPH

GRB GREEN BAY, WI

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

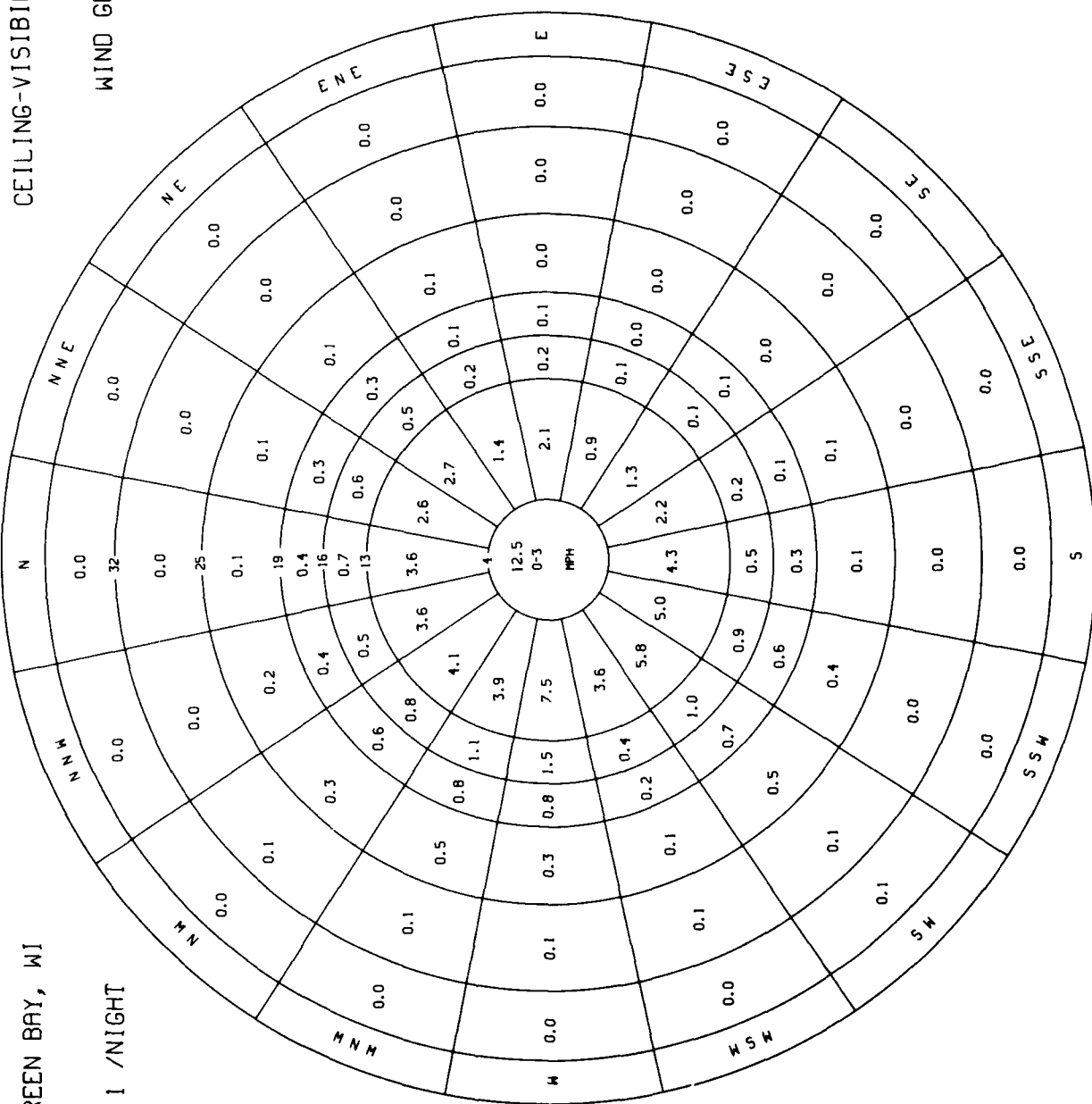
CLASS 1 / DAY

STATION NUMBER: 14898

NO. OBS.: 38783

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	.3	2.5	2.9	.8	.9	.4	.5	.3	.3	.0	.0	.0	.0	4.3	5.0	10.9
NNE	.2	.2	2.3	2.7	.9	1.0	.4	.5	.2	.3	.0	.0	.0	.0	4.0	4.7	11.2
NE	.4	.5	3.2	3.7	1.1	1.2	.6	.7	.3	.4	.0	.0	.0	.0	5.6	6.5	10.9
ENE	.2	.2	2.2	2.6	.5	.6	.3	.4	.2	.2	.0	.0	.0	.0	3.4	3.9	10.3
E	.3	.3	2.1	2.5	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.0	3.5	9.0
ESE	.2	.2	1.5	1.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.4	9.1
SE	.3	.4	1.8	2.1	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.3	9.5
SSE	.2	.2	2.1	2.4	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	3.4	4.0	10.7
S	.4	.4	3.0	3.5	.8	1.0	.5	.6	.3	.3	.0	.0	.0	.0	5.1	5.9	10.5
SSW	.3	.4	4.0	4.7	1.5	1.8	1.3	1.6	1.0	1.2	.1	.2	.0	.0	8.4	9.8	12.6
SW	.6	.7	4.4	5.1	1.6	1.8	1.4	1.7	1.1	1.3	.3	.3	.1	.1	9.5	11.0	12.7
WSW	.3	.3	2.7	3.2	.9	1.1	.7	.8	.5	.5	.1	.1	.0	.0	5.2	6.1	11.9
W	.5	.5	5.3	6.2	1.9	2.3	1.6	1.9	.8	.9	.2	.2	.0	.0	10.3	12.0	12.1
WNW	.2	.2	2.8	3.3	1.3	1.5	1.3	1.5	1.0	1.2	.2	.2	.0	.0	6.8	7.9	13.6
NW	.3	.4	2.8	3.2	1.0	1.1	.9	1.0	.7	.8	.1	.1	.0	.0	5.7	6.7	12.3
NNW	.1	.2	2.3	2.7	1.0	1.1	.7	.8	.4	.5	.0	.0	.0	.0	4.5	5.3	12.1
CALM	1.7	2.0													1.7	2.0	
TOTAL	6.3	7.4	45.2	52.5	15.0	17.5	11.1	12.9	7.1	8.2	1.1	1.3	.2	.2	86.0	100	11.4

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 1 / NIGHT

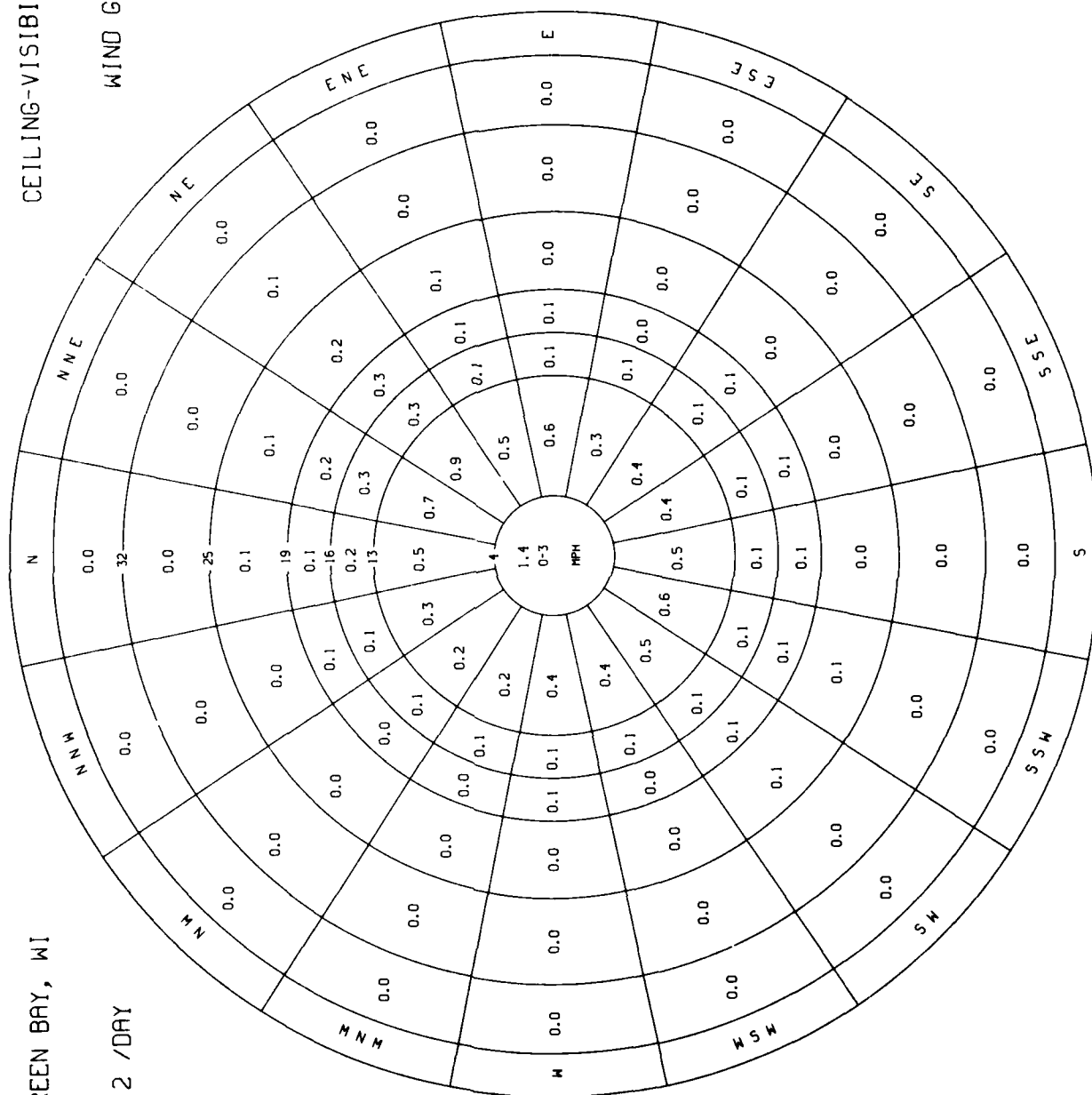
STATION NUMBER: 14898

NO. OBS.: 34052

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	.5	.6	3.6	4.2	.7	.8	.4	.4	.1	.2	.0	.0	.0	.0	5.4 6.3 9.3
NNE	.2	.3	2.6	3.0	.6	.7	.3	.4	.1	.2	.0	.0	.0	.0	3.9 4.6 10.1
NNE	.5	.6	2.7	3.1	.5	.6	.3	.4	.1	.2	.0	.0	.0	.0	4.3 5.0 9.3
ENE	.3	.3	1.4	1.6	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1 2.4 8.5
E	.5	.6	2.1	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.9 3.4 7.3
ESE	.2	.3	.9	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3 1.5 7.0
SE	.4	.5	1.3	1.5	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.9 2.2 7.0
SSE	.4	.5	2.2	2.5	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.9 3.4 7.9
S	.9	1.0	4.3	5.0	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	6.0 7.0 8.1
SSW	.7	.8	5.0	5.8	.9	1.0	.6	.7	.4	.4	.0	.0	.0	.0	7.6 8.8 9.5
SW	1.1	1.2	5.8	6.7	1.0	1.2	.7	.8	.5	.6	.1	.1	.1	.1	9.3 10.8 9.8
WSW	.6	.7	3.6	4.1	.4	.5	.2	.3	.1	.1	.1	.1	.0	.0	5.1 5.9 8.7
W	.7	.8	7.5	8.7	1.5	1.7	.8	1.0	.3	.4	.1	.1	.0	.0	11.0 12.8 9.7
WNW	.4	.5	3.9	4.5	1.1	1.3	.8	1.0	.5	.6	.1	.1	.0	.0	6.8 7.9 11.3
NW	.6	.7	4.1	4.7	.8	1.0	.6	.7	.3	.4	.1	.1	.0	.0	6.5 7.5 9.9
NNW	.3	.4	3.6	4.2	.5	.6	.4	.4	.2	.3	.0	.0	.0	.0	5.1 5.9 9.5
CALM	4.0	4.7													4.0 4.7
TOTAL	12.5	14.6	54.4	63.3	9.4	11.0	5.9	6.9	3.0	3.5	.5	.6	.1	.1	185.9 100 8.9

GRB GREEN BAY, WI

CLASS 2 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 2 / DAY

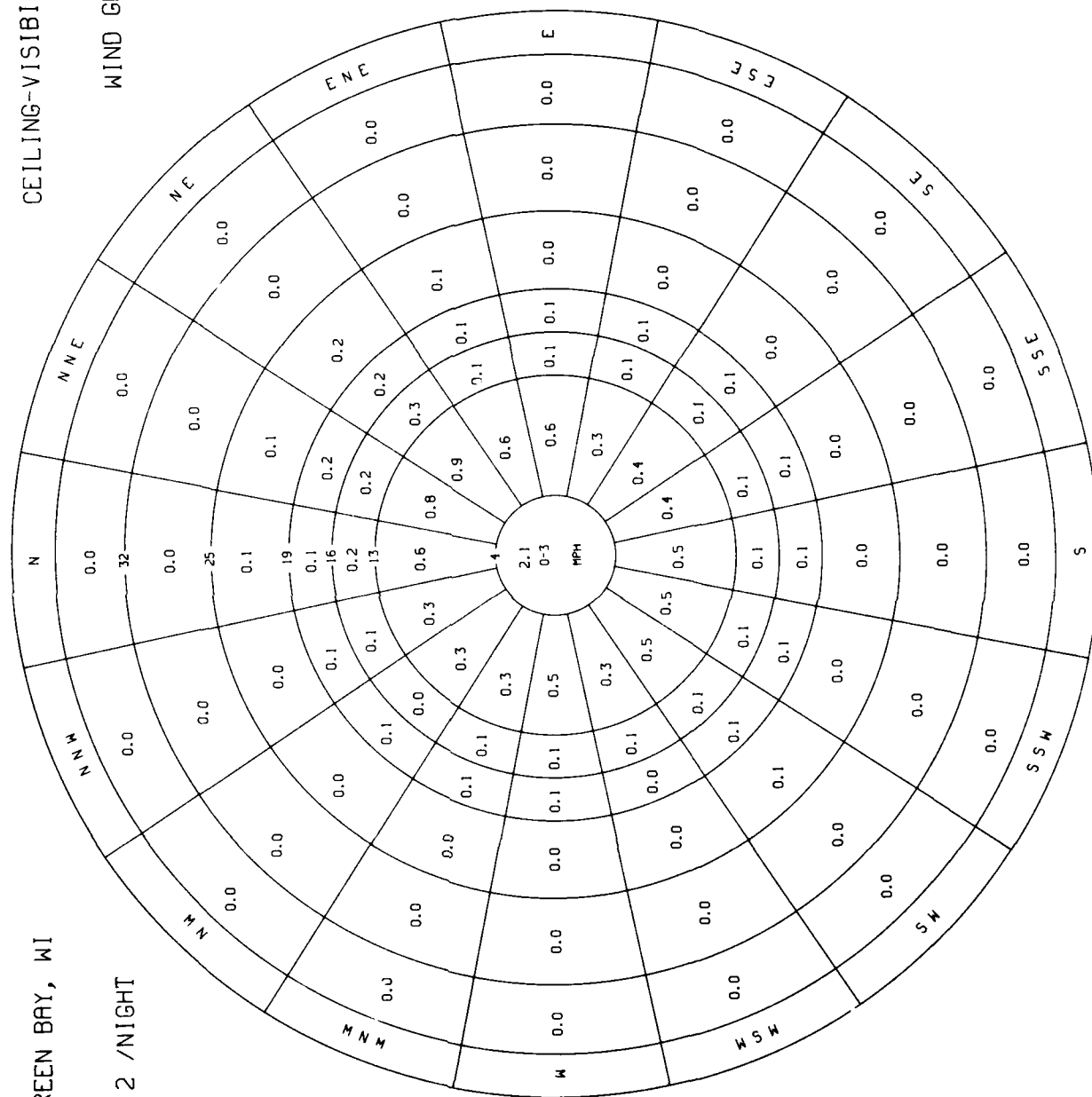
STATION NUMBER: 14898

NO. OBS.: 6296

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	.3	.5	3.8	.2	1.1	.1	.8	.1	.7	.0	.0	.0	.0	.9	6.8	11.4
NNE	.0	.3	.7	5.1	.3	2.1	.2	1.5	.1	.8	.0	.3	.0	.0	1.4	10.1	12.4
NE	.1	.7	.9	6.7	.3	2.4	.3	1.8	.2	1.5	.1	.6	.0	.1	1.9	13.8	12.6
ENE	.1	.4	.5	3.4	.1	1.0	.1	.7	.1	.7	.0	.1	.0	.0	.9	6.3	11.4
E	.1	.6	.6	4.1	.1	1.0	.1	.7	.0	.3	.0	.1	.0	.0	.9	6.7	9.9
ESE	.1	.4	.3	2.1	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.5	3.5	10.0
SE	.1	.4	.4	3.1	.1	.7	.1	.5	.0	.3	.0	.0	.0	.0	.7	5.0	10.2
SSE	.0	.2	.4	3.0	.1	.9	.1	.5	.0	.3	.0	.1	.0	.0	.7	4.9	11.3
S	.1	.5	.5	3.6	.1	.9	.1	.5	.0	.3	.0	.1	.0	.0	.8	5.8	10.1
SSW	.1	.5	.6	3.9	.1	1.1	.1	.9	.1	.5	.0	.0	.0	.0	1.0	6.9	11.0
SW	.1	.7	.5	3.8	.1	.8	.1	.8	.1	.6	.0	.2	.0	.0	1.0	7.0	11.0
WSW	.0	.3	.4	2.6	.1	.7	.0	.3	.0	.3	.0	.1	.0	.0	.6	4.2	10.4
W	.1	.4	.4	2.8	.1	.7	.1	.6	.0	.3	.0	.1	.0	.1	.7	5.0	11.2
WNW	.0	.3	.2	1.6	.1	.5	.0	.2	.0	.3	.0	.1	.0	.0	.4	3.0	11.3
NW	.0	.3	.2	1.6	.1	.4	.0	.3	.0	.3	.0	.1	.0	.0	.4	3.0	11.3
NNW	.0	.2	.3	2.4	.1	.7	.1	.4	.0	.3	.0	.1	.0	.0	.6	4.1	11.6
CALM	.5	3.6													.5	3.6	
TOTAL	1.4	10.1	7.5	53.6	2.2	15.5	1.5	10.9	1.1	7.6	.3	1.9	.0	.3	14.0	100	10.9

GRB GREEN BAY, WI

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 2 / NIGHT

STATION NUMBER: 14898

NO. OBS.: 5587

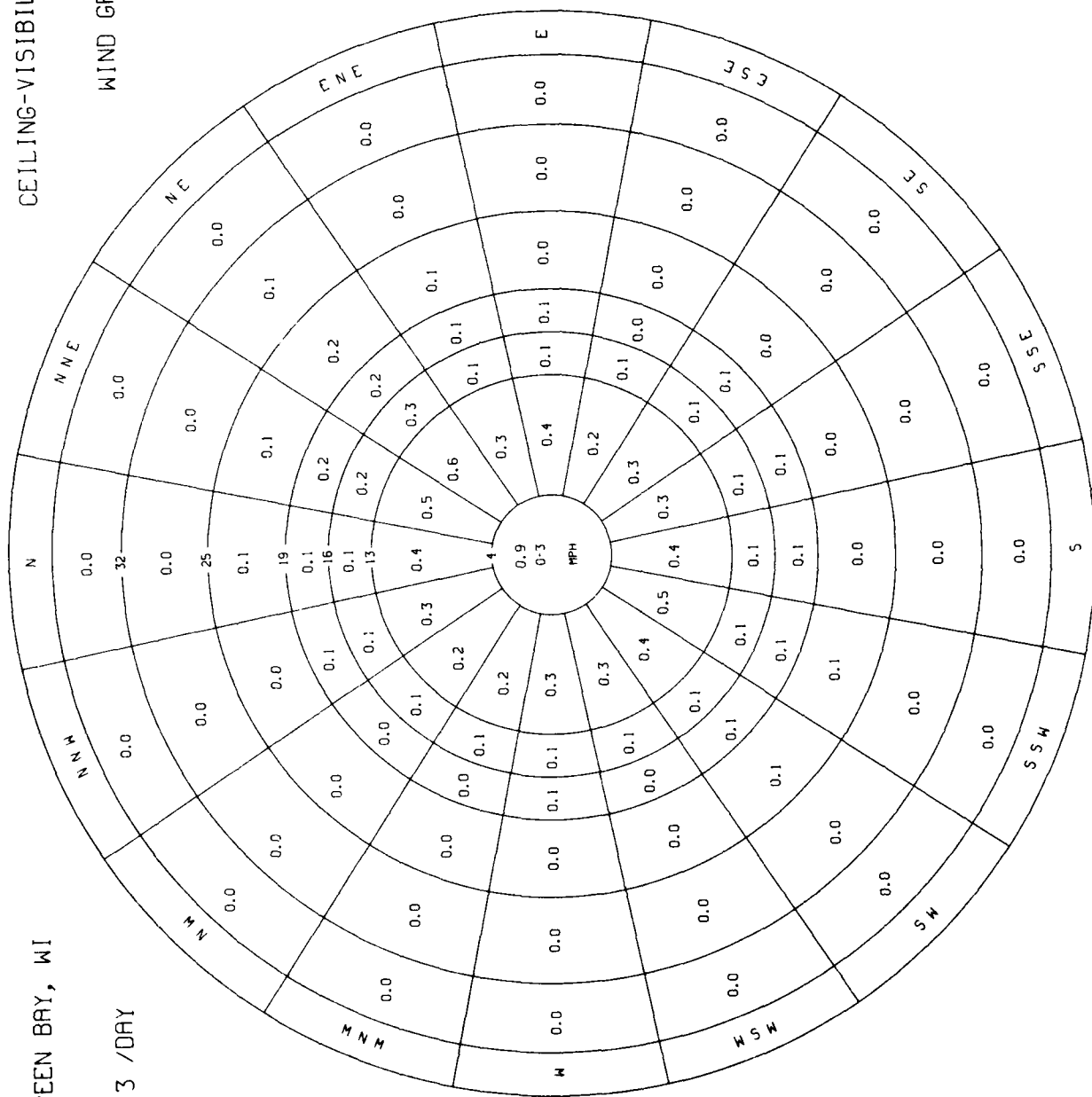
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.8	.6	4.3	.2	1.4	.1	.9	.1	.5	.0	.0	.0	.0	1.1 7.9
NNE	.0	.3	.8	5.4	.2	1.6	.2	1.6	.1	.8	.0	.1	.0	.0	1.4 10.0
NE	.2	1.1	.9	6.3	.3	2.1	.2	1.8	.2	1.3	.0	.3	.0	.1	1.8 13.0
ENE	.1	.5	.6	3.9	.1	.7	.1	.6	.1	.6	.0	.1	.0	.0	.9 6.3
E	.1	.7	.6	4.2	.1	.9	.1	.6	.0	.3	.0	.0	.0	.0	1.0 6.8
ESE	.1	.4	.3	1.9	.1	.5	.1	.4	.0	.1	.0	.0	.0	.0	.4 3.2
SE	.1	.5	.4	2.6	.1	.7	.1	.6	.0	.3	.0	.0	.0	.0	.6 4.6
SSE	.1	.4	.4	2.9	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.6 4.4
S	.1	.8	.5	3.5	.1	.6	.1	.5	.0	.2	.0	.0	.0	.0	.8 5.5
SSW	.1	.5	.5	3.5	.1	1.0	.1	.7	.0	.3	.0	.1	.0	.0	.8 6.0
SW	.2	1.2	.5	3.5	.1	.8	.1	.6	.1	.5	.0	.1	.0	.1	.9 6.7
WSW	.1	.5	.3	2.2	.1	.5	.0	.3	.0	.3	.0	.1	.0	.0	.5 3.8
W	.1	.7	.5	3.4	.1	.6	.1	.5	.0	.3	.0	.1	.0	.0	.8 5.6
WNW	.1	.4	.3	1.9	.1	.4	.1	.4	.0	.2	.0	.0	.0	.0	.5 3.4
NW	.1	.6	.3	1.9	.0	.3	.1	.4	.0	.3	.0	.1	.0	.0	.5 3.6
NNW	.0	.3	.3	2.4	.1	.6	.1	.5	.0	.3	.0	.1	.0	.0	.6 4.2
CALM	.7	5.0													.7 5.0
TOTAL	2.1	14.8	7.6	53.8	1.9	13.2	1.5	10.6	.9	6.2	.2	1.1	.0	.3	14.1 100

CEILING-VISIBILITY

WIND GRAPH

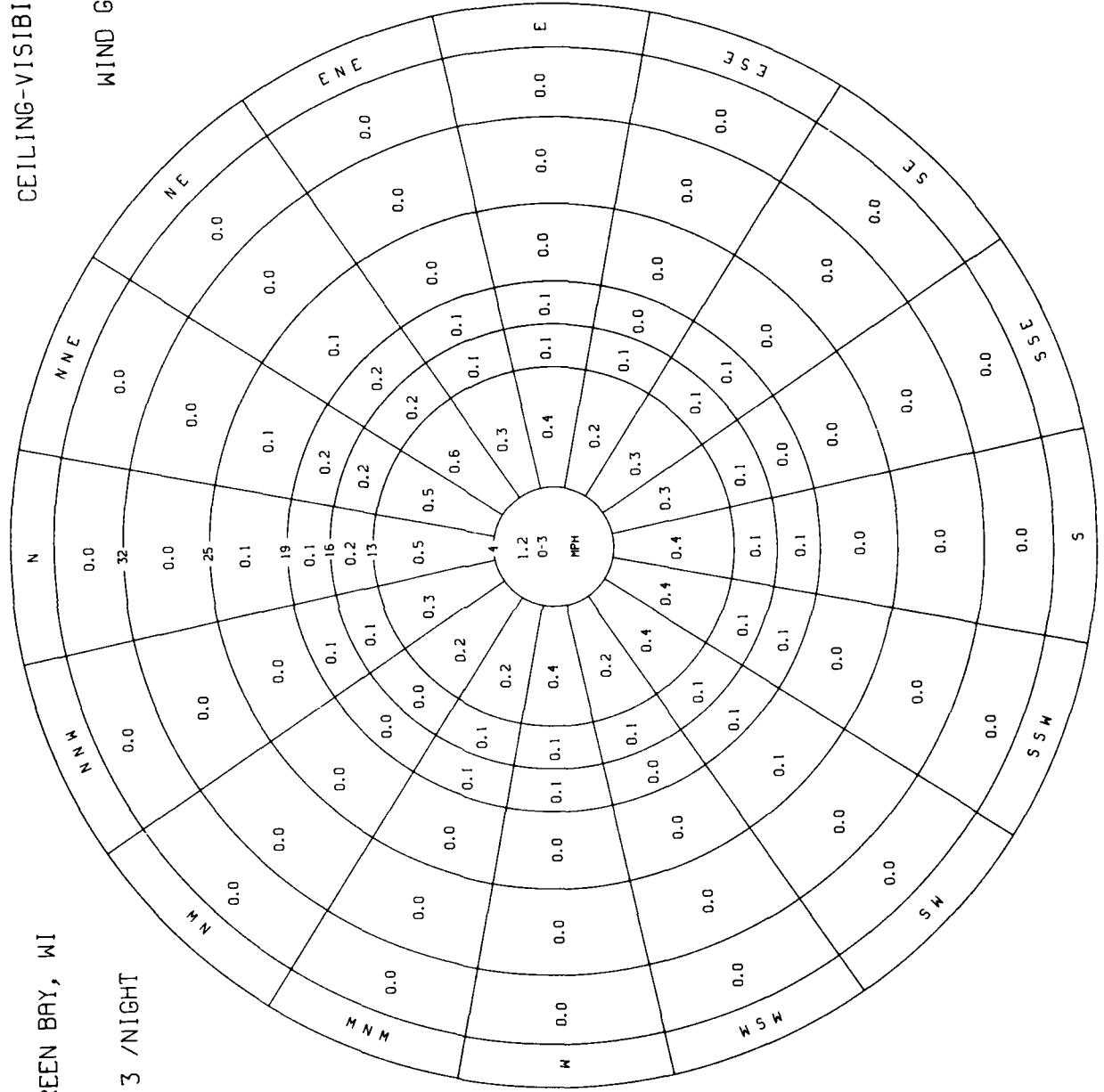
GRB GREEN BAY, WI

CLASS 3 /DAY



CEILING-VISIBILITY

WIND GRAPH



GRB GREEN BAY, WI

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 3 / NIGHT

STATION NUMBER: 14898

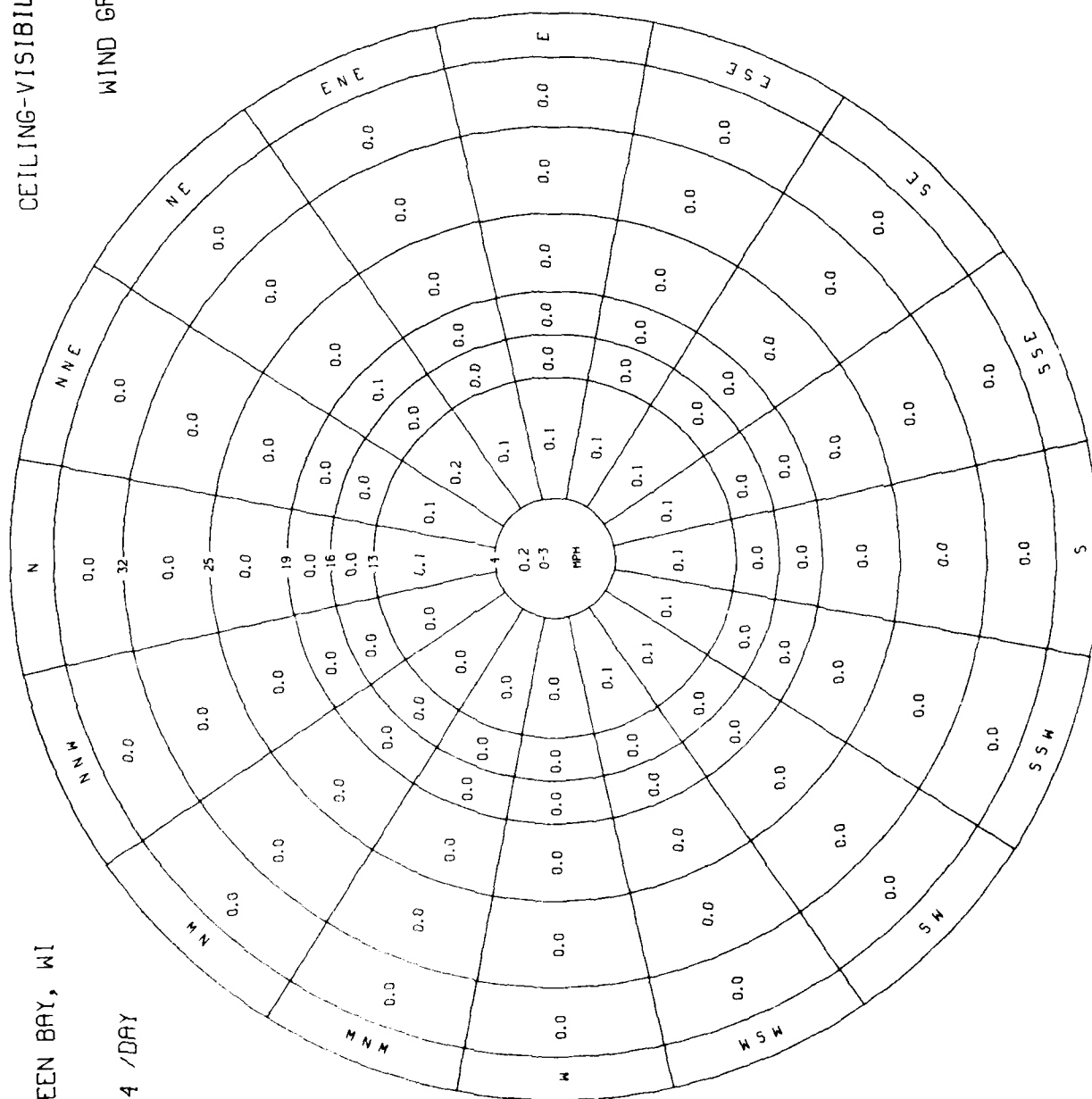
NO. OBS.: 4126

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	.7	.5	4.6	.2	1.6	.1	1.1	.1	.5	.0	.0	.0	.0	.9	8.5	11.3
NNE	.0	.2	.5	5.0	.2	2.0	.2	1.8	.1	.9	.0	.1	.0	.0	1.0	10.1	12.6
NF	.1	.8	.6	5.6	.2	2.3	.2	1.9	.1	1.4	.0	.3	.0	.0	1.3	12.1	12.4
ENE	.0	.4	.3	3.2	.1	.6	.1	.5	.0	.5	.0	.1	.0	.0	.5	5.3	10.7
E	.1	.6	.4	3.9	.1	1.2	.1	.8	.0	.2	.0	.0	.0	.0	.7	6.6	10.3
ESE	.0	.4	.2	1.9	.1	.6	.0	.4	.0	.1	.0	.0	.0	.0	.4	3.4	9.8
SE	.0	.4	.3	2.6	.1	.8	.1	.6	.0	.3	.0	.0	.0	.0	.5	4.7	10.9
SSE	.0	.4	.3	2.7	.1	.6	.1	.4	.0	.2	.0	.0	.0	.0	.5	4.4	10.2
S	.1	.7	.4	3.7	.1	.7	.1	.6	.0	.2	.0	.0	.0	.0	.6	6.0	9.5
SSW	.0	.4	.4	3.5	.1	1.2	.1	.8	.0	.4	.0	.0	.0	.0	.7	6.5	11.1
SW	.1	1.0	.4	3.4	.1	.9	.1	.7	.1	.6	.0	.0	.0	.2	.7	6.8	10.8
WSW	.0	.2	.2	2.4	.1	.6	.0	.3	.0	.3	.0	.1	.0	.0	.4	4.0	10.9
W	.1	.5	.4	4.0	.1	.8	.1	.6	.0	.3	.0	.1	.0	.0	.7	6.4	10.4
NW	.0	.3	.2	1.9	.1	.6	.1	.5	.0	.3	.0	.0	.0	.0	.4	3.7	11.4
NNW	.1	.7	.2	1.8	.0	.4	.0	.4	.0	.3	.0	.0	.0	.0	.4	3.7	10.3
NNW	.0	.3	.3	2.4	.1	.7	.1	.7	.0	.3	.0	.0	.0	.0	.5	4.4	11.3
CALM	.3	3.3													.3	3.3	
TOTAL	1.2	11.4	5.5	52.5	1.6	15.5	1.3	12.3	.7	6.9	.1	1.0	.0	.3	10.4	10.7	

WIND GRAPH

GRB GREEN BAY, WI

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 4 / DAY

STATION NUMBER: 14898

NO. OBS.: 885

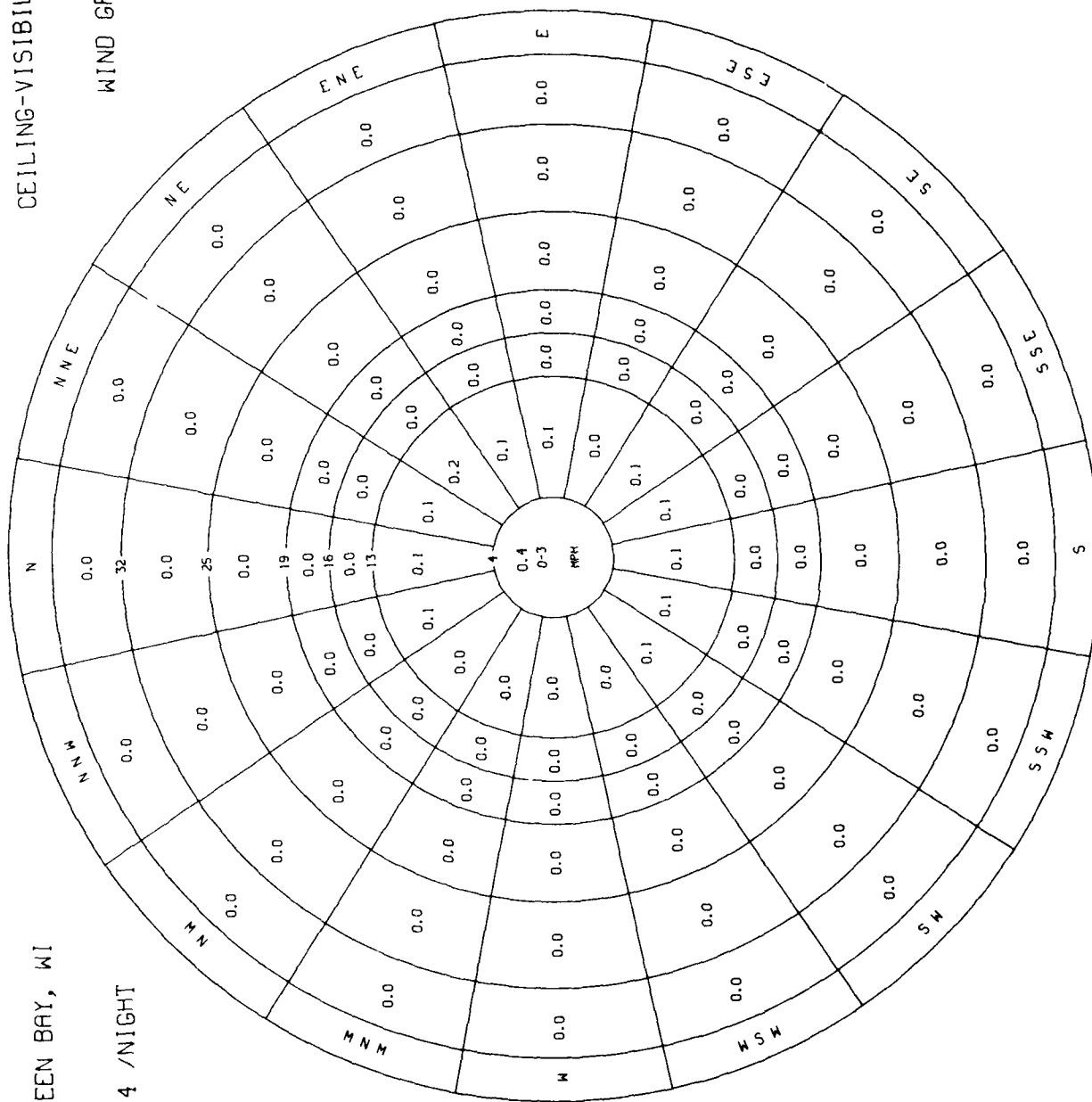
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.1	4.4	.0	.7	.0	.6	.0	.9	.0	.0	.0	.0	.1 6.9
NNE	.0	.1	.1	7.1	.0	2.4	.0	1.5	.0	.8	.0	.5	.0	.0	.2 12.3
NE	.0	.6	.2	9.7	.0	2.3	.1	2.7	.0	1.6	.0	.8	.0	.0	.3 17.6
ENE	.0	.1	.1	4.1	.0	.8	.0	.9	.0	1.4	.0	.1	.0	.0	.1 7.3
E	.0	1.2	.1	5.5	.0	.9	.0	.2	.0	.1	.0	.0	.0	.0	.2 8.0
ESE	.0	.6	.1	2.8	.0	.9	.0	.5	.0	.2	.0	.0	.0	.0	.1 5.0
SE	.0	.2	.1	3.3	.0	.6	.0	.0	.0	.2	.0	.1	.0	.0	.1 4.4
SSE	.0	.0	.1	2.9	.0	.7	.0	.3	.0	.1	.0	.0	.0	.0	.1 4.1
S	.0	.6	.1	3.2	.0	.3	.0	.7	.0	.2	.0	.0	.0	.0	.1 5.0
SSW	.0	.1	.1	3.1	.0	.2	.0	1.0	.0	.1	.0	.0	.0	.0	.1 4.5
SW	.0	.8	.1	3.8	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 5.1
WSW	.0	.2	.1	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.3
W	.0	.3	.0	2.0	.0	.2	.0	.5	.0	.3	.0	.0	.0	.0	.1 3.4
WNW	.0	.1	.0	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.5
NW	.0	.3	.0	1.6	.0	.1	.0	.2	.0	.2	.0	.2	.0	.1	.1 2.8
NNW	.0	.2	.0	2.1	.0	.6	.0	.1	.0	.7	.0	.5	.0	.0	.1 4.2
CALM	.1	4.6							.1	7.0			.1		.1 4.6
TOTAL	.2	10.5	1.2	59.4	.2	11.4	.2	9.4	.1	7.0	.0	2.1	.0	.1	2.0 100

CEILING-VISIBILITY

WIND GRAPH

GRB GREEN BAY, WI

CLASS 4 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: GRB GREEN BAY, WI

CLASS 4 / NIGHT

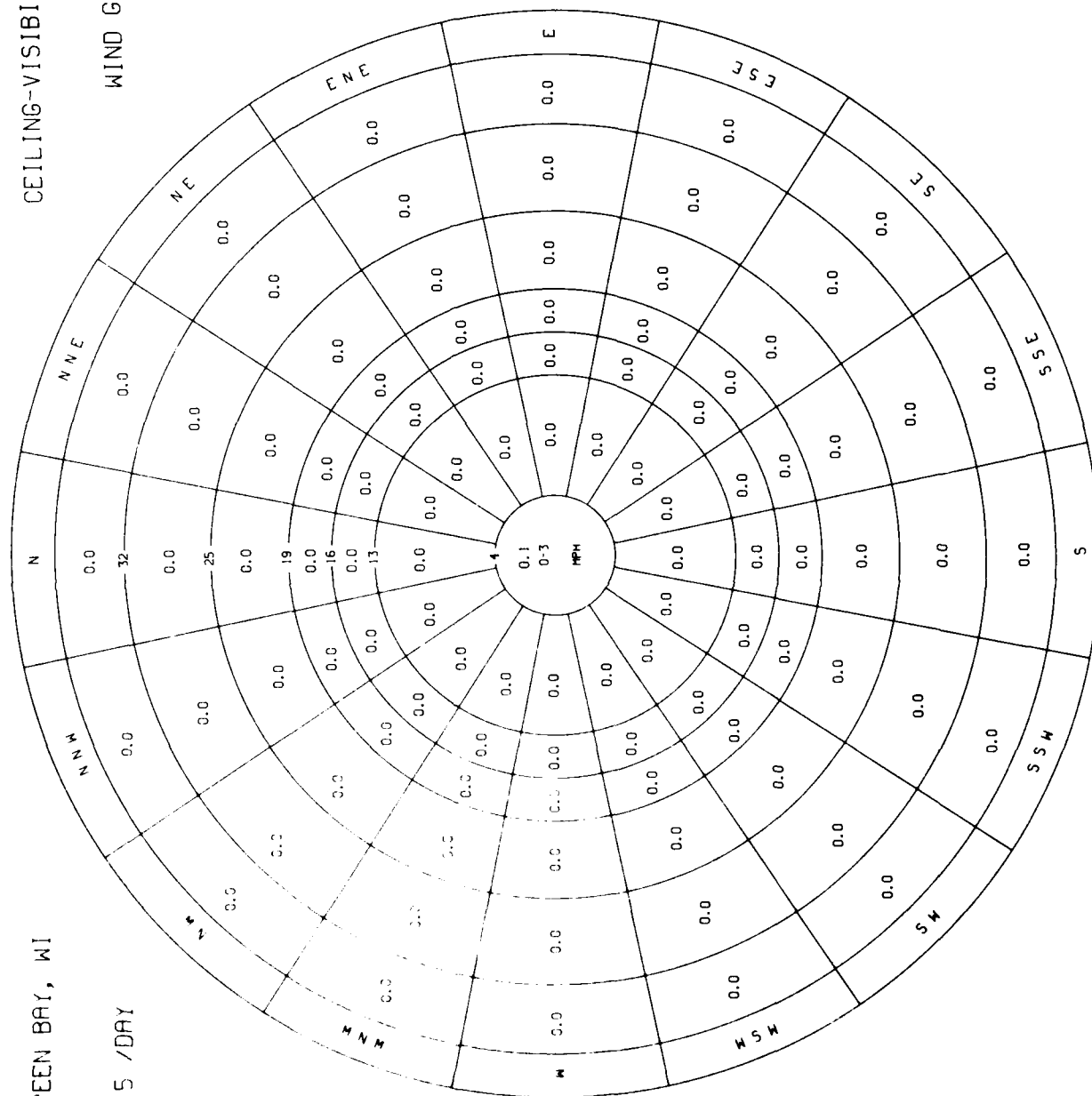
STATION NUMBER: 14898

NO. OBS.: 842

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	3.8	.0	1.1	.0	.5	.0	.6	.0	.0	.0	.0	.1 6.9 10.1
NNE	.0	.5	.1	6.2	.0	.7	.0	1.9	.0	.6	.0	.1	.0	.0	.2 10.0 11.3
NE	.0	1.4	.2	7.8	.0	1.9	.0	1.9	.0	1.5	.0	.2	.0	.0	.3 14.8 11.1
ENE	.0	.6	.1	6.3	.0	1.3	.0	1.0	.0	1.2	.0	.0	.0	.0	.2 10.3 10.9
E	.0	1.2	.1	5.5	.0	.6	.0	.5	.0	.6	.0	.1	.0	.0	.2 8.4 9.6
ESE	.0	.2	.0	1.9	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1 2.6 9.0
SE	.0	.7	.1	3.1	.0	.4	.0	1.1	.0	.2	.0	.0	.0	.0	.1 5.5 10.1
SSE	.0	.4	.1	3.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1 4.2 8.6
S	.0	.8	.1	2.9	.0	.5	.0	.1	.0	.2	.0	.0	.0	.0	.1 4.5 8.1
SSW	.0	.1	.1	3.4	.0	.6	.0	.4	.0	.1	.0	.0	.0	.0	.1 4.6 9.9
SW	.0	1.3	.1	2.9	.0	.4	.0	.4	.0	.1	.0	.1	.0	.0	.1 5.1 8.4
WSW	.0	.6	.0	1.3	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.1 2.4 7.9
W	.0	.8	.0	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.1 6.4
WNW	.0	.4	.0	1.9	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1 2.6 8.5
NW	.0	.5	.0	1.7	.0	.1	.0	.2	.0	.4	.0	.1	.0	.0	.1 3.0 10.1
NNW	.0	.2	.1	2.6	.0	1.0	.0	.2	.0	.0	.0	.2	.0	.0	.1 4.3 10.9
CALM	.2	7.7													.2 7.7
TOTAL	.4	18.4	1.2	56.5	.2	9.1	.2	8.7	.1	6.2	.0	1.1	.0	.0	2.1 100 9.2

GRB GREEN BAY, WI

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 5 / DAY

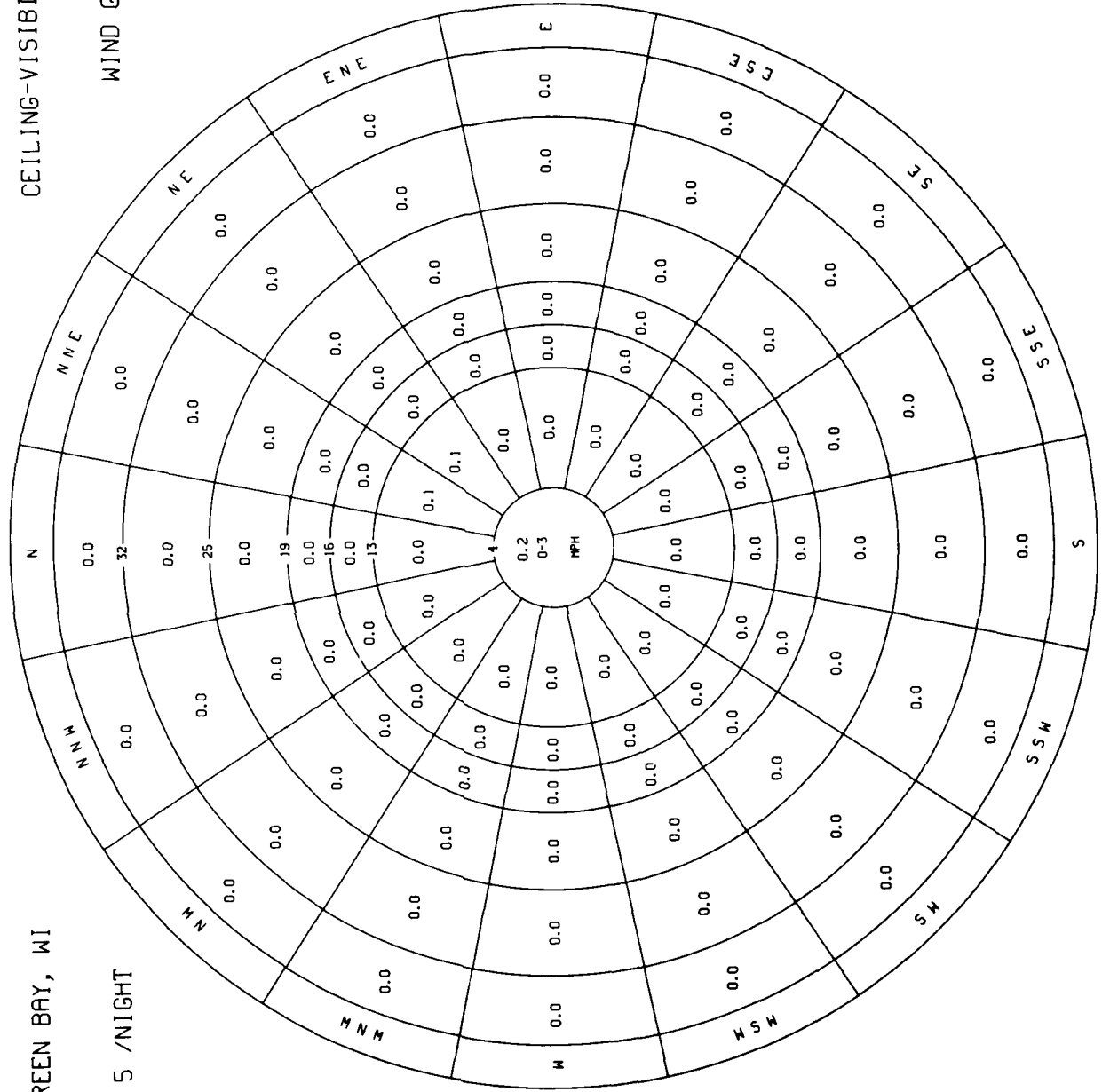
STATION NUMBER: 14898

NO. OBS.: 253

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	.4	.0	3.2	.0	.0	.0	.4	.0	2.0	.0	.4	.0	.0	.0	6.3	12.9
NNE	.0	.8	.0	7.5	.0	3.2	.0	.8	.0	1.6	.0	.4	.0	.4	.1	14.6	12.5
NE	.0	1.2	.0	8.7	.0	1.6	.0	1.6	.0	3.2	.0	1.6	.0	.4	.1	18.2	13.5
ENE	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	4.7	9.6
E	.0	2.0	.0	5.1	.0	.0	.0	.8	.0	.4	.0	.4	.0	.0	.0	8.7	8.5
ESE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.6
SE	.0	2.4	.0	2.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.5	6.7
SSE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.3
S	.0	1.6	.0	2.0	.0	.0	.0	.4	.0	.8	.0	.0	.0	.0	.0	4.7	8.9
SSW	.0	.4	.0	2.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	7.9
SW	.0	1.6	.0	3.2	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.5	7.3
WSW	.0	.0	.0	3.6	.0	.4	.0	.0	.0	.4	.0	.0	.0	.4	.0	4.7	12.2
W	.0	.8	.0	2.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	4.0	11.4
WNW	.0	.8	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.2
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.2	14.3
NNW	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	5.5	9.8
CALM	.0	7.1													.0	7.1	
TOTAL	.1	19.8	.3	53.8	.0	6.7	.0	4.7	.1	10.3	.0	3.2	.0	1.6	.6	100	9.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: GRB GREEN BAY, WI

CLASS 5 / NIGHT

NO. OBS.: 278

STATION NUMBER: 14898

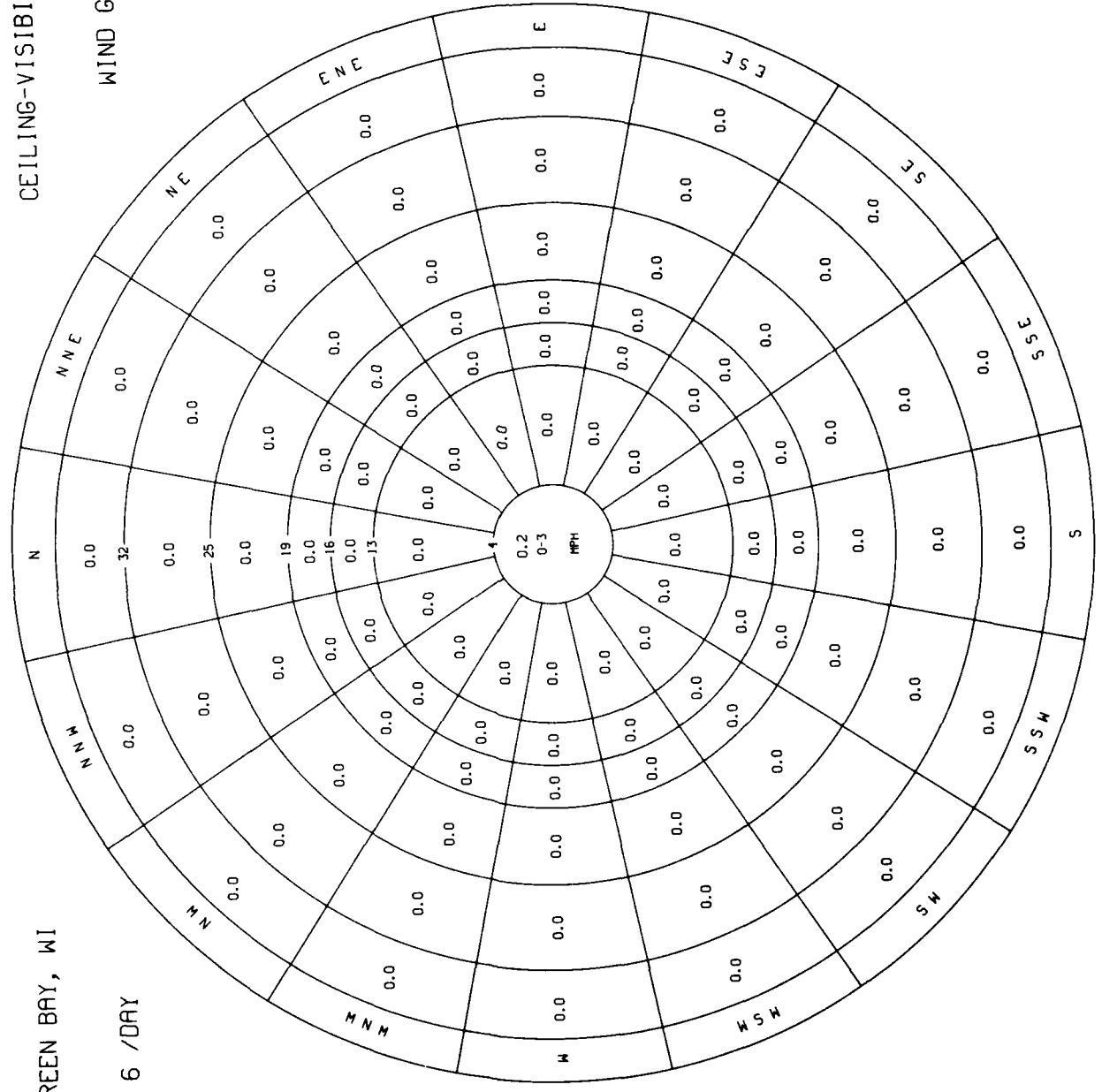
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.4	.0	3.2	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.4	7.1
NNE	.0	.7	.1	7.9	.0	.7	.0	.0	.0	.4	.0	.4	.0	.0	.0	.1	10.1
NE	.0	2.9	.1	9.0	.0	3.2	.0	.7	.0	1.1	.0	.7	.0	.7	.0	.1	18.3
ENE	.0	1.1	.0	6.1	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0	.1	8.6
E	.0	1.1	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1
ESE	.0	.0	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.4
SE	.0	.7	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
SSE	.0	1.4	.0	4.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	6.5
S	.0	.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
SSW	.0	.7	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	3.6
SW	.0	1.4	.0	3.6	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	5.8
WSW	.0	1.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	2.9
W	.0	1.1	.0	1.8	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	3.2
WNW	.0	.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
NW	.0	1.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	4.0
NNW	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	3.6
CALM	.1	10.1													.1	10.1	
TOTAL	.2	27.7	.4	59.0	.0	5.0	.0	2.5	.0	2.5	.0	2.2	.0	1.1	.7	100	7.3

CEILING-VISIBILITY

WIND GRAPH

GRB GREEN BAY, WI

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 6 / DAY

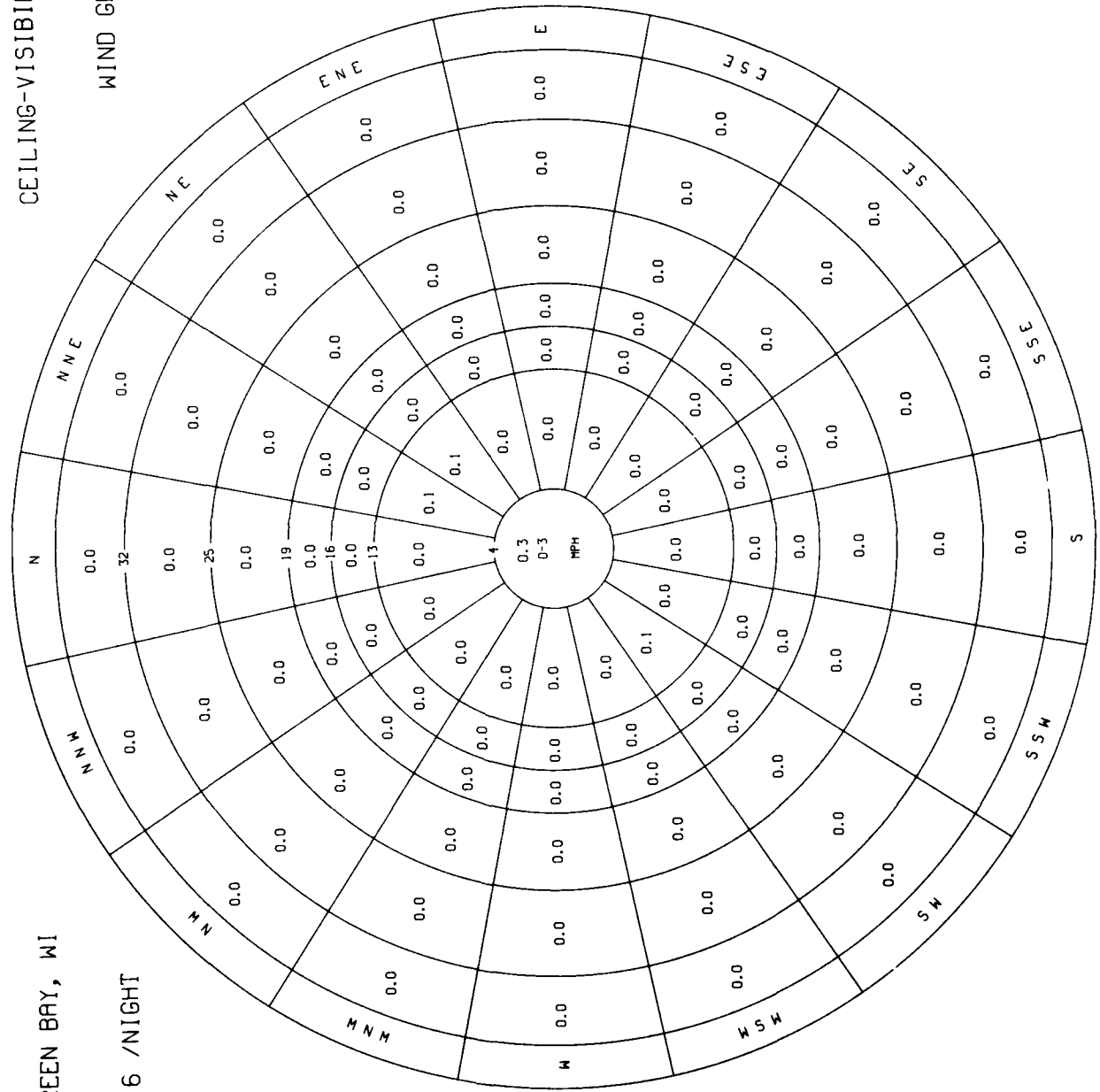
STATION NUMBER: 14898

NO. OBS.: 268

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	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.7	
NNE	.0	.4	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.1	9.0	8.6
NE	.0	2.6	.0	7.5	.0	.0	.0	.0	.4	.0	.7	.0	.0	.0	.0	.7	.1	11.9	9.7
ENE	.0	2.6	.0	7.5	.0	.7	.0	.4	.0	.4	.0	.4	.0	.4	.0	.0	.1	11.9	8.4
E	.0	1.1	.0	5.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	6.2
ESE	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.0
SE	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.3
SSE	.0	.4	.0	1.9	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2.6	8.0
S	.0	1.5	.0	3.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	7.2
SSW	.0	.7	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	7.0
SW	.0	3.0	.0	8.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	11.6	6.2
WSW	.0	1.5	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.7
W	.0	1.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.4
WNW	.0	1.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.0
NW	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	1.5	9.3
NNW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.5
CALM	.1	15.7															.1	15.7	
TOTAL	.2	35.1	.3	58.2	.0	1.1	.0	1.5	.0	2.2	.0	1.1	.0	.7	.6	100			6.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GRB GREEN BAY, WI

PERIOD: 1950-1978

CLASS 6 / NIGHT

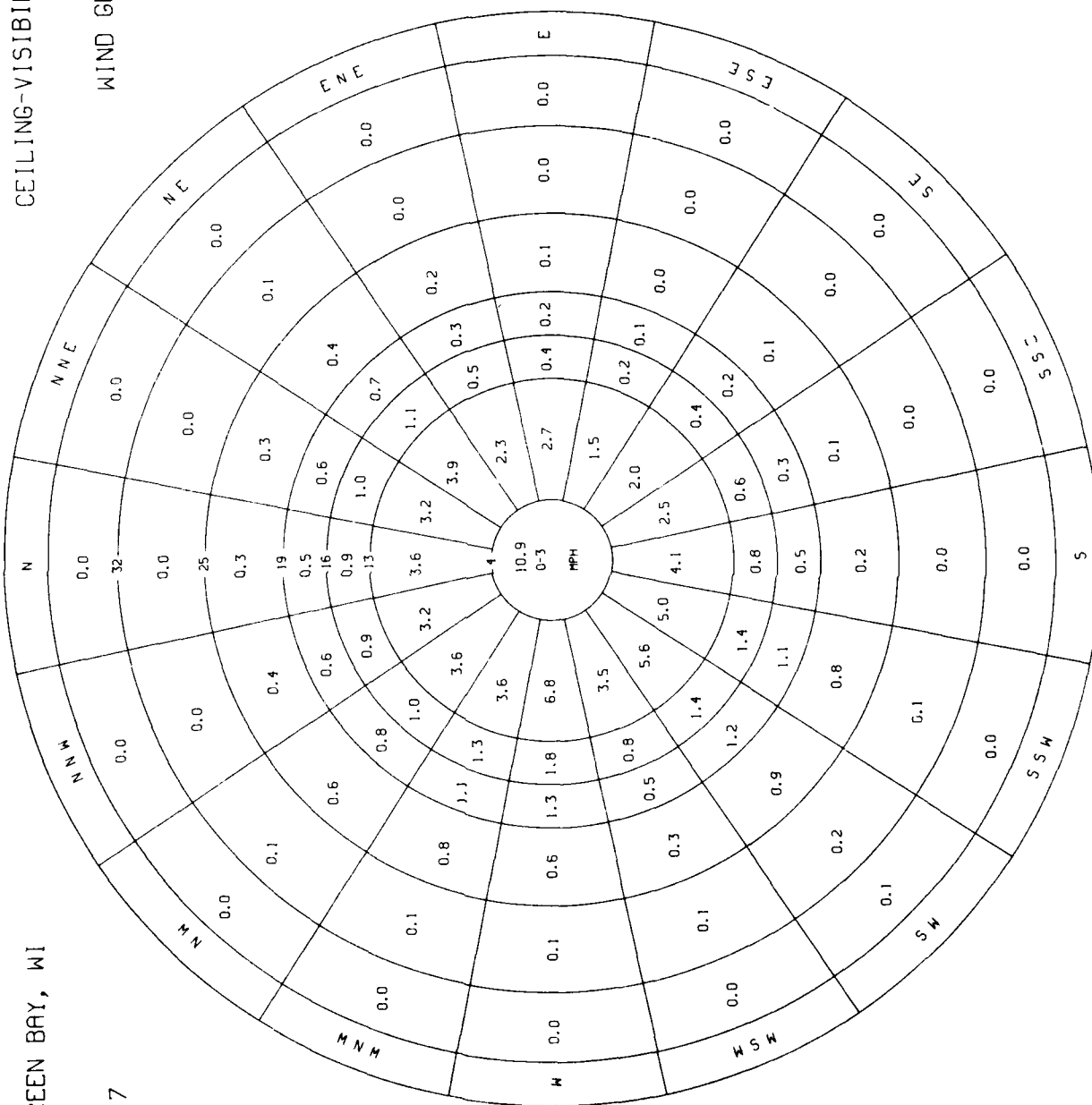
STATION NUMBER: 14898

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
N	.0	1.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.5
NNE	.0	1.2	.1	6.7	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1	8.2	7.9
NE	.0	3.2	.1	9.7	.0	.6	.0	.3	.0	.0	.0	.9	.0	.0	.1	14.7	8.0
ENE	.0	1.5	.0	4.7	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.1	6.7	6.8
E	.0	.3	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.8
ESE	.0	.9	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	5.8
SE	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.6
SSE	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	3.2	5.1
S	.0	1.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.3
SSW	.0	2.3	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.9	4.7
SW	.0	3.2	.1	6.7	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.1	10.9	6.9
WSW	.0	2.3	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	4.8
W	.0	1.8	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.1
WNW	.0	1.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.3
NW	.0	.3	.0	2.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	7.6
NNW	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	2.6	8.9
CALM	.1	14.1													.1	14.1	
TOTAL	.3	36.4	.5	58.4	.0	2.3	.0	.3	.0	1.5	.0	1.2	.0	.0	.9	100	5.7

CEILING-VISIBILITY

WIND GRAPH

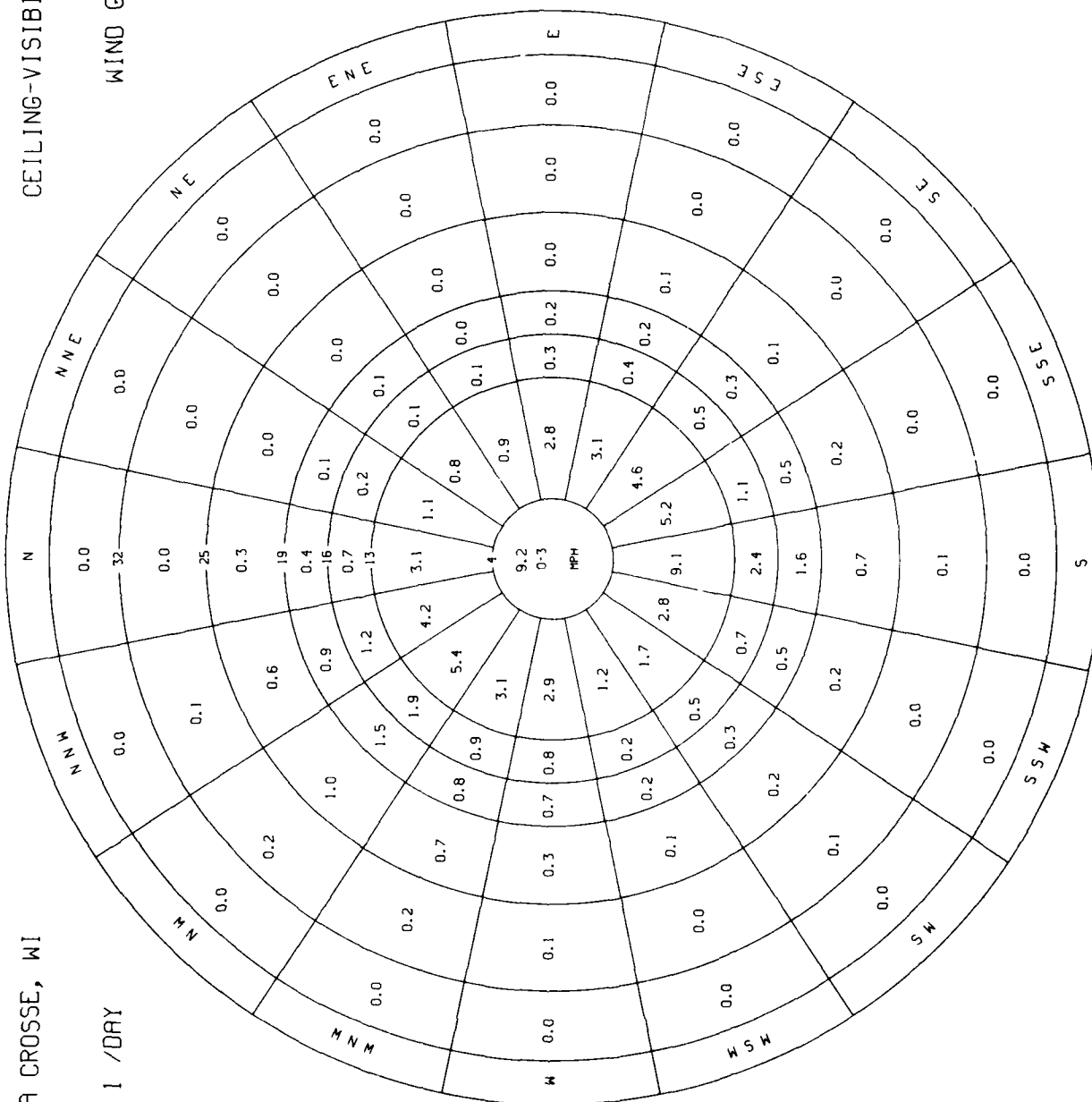


GRB GREEN BAY, WI

CLASS 7

CEILING-VISIBILITY

WIND GRAPH



LSE LA CROSSE, WI

CLASS 1 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

CLASS : / DAY

NO. OBS.: 38503

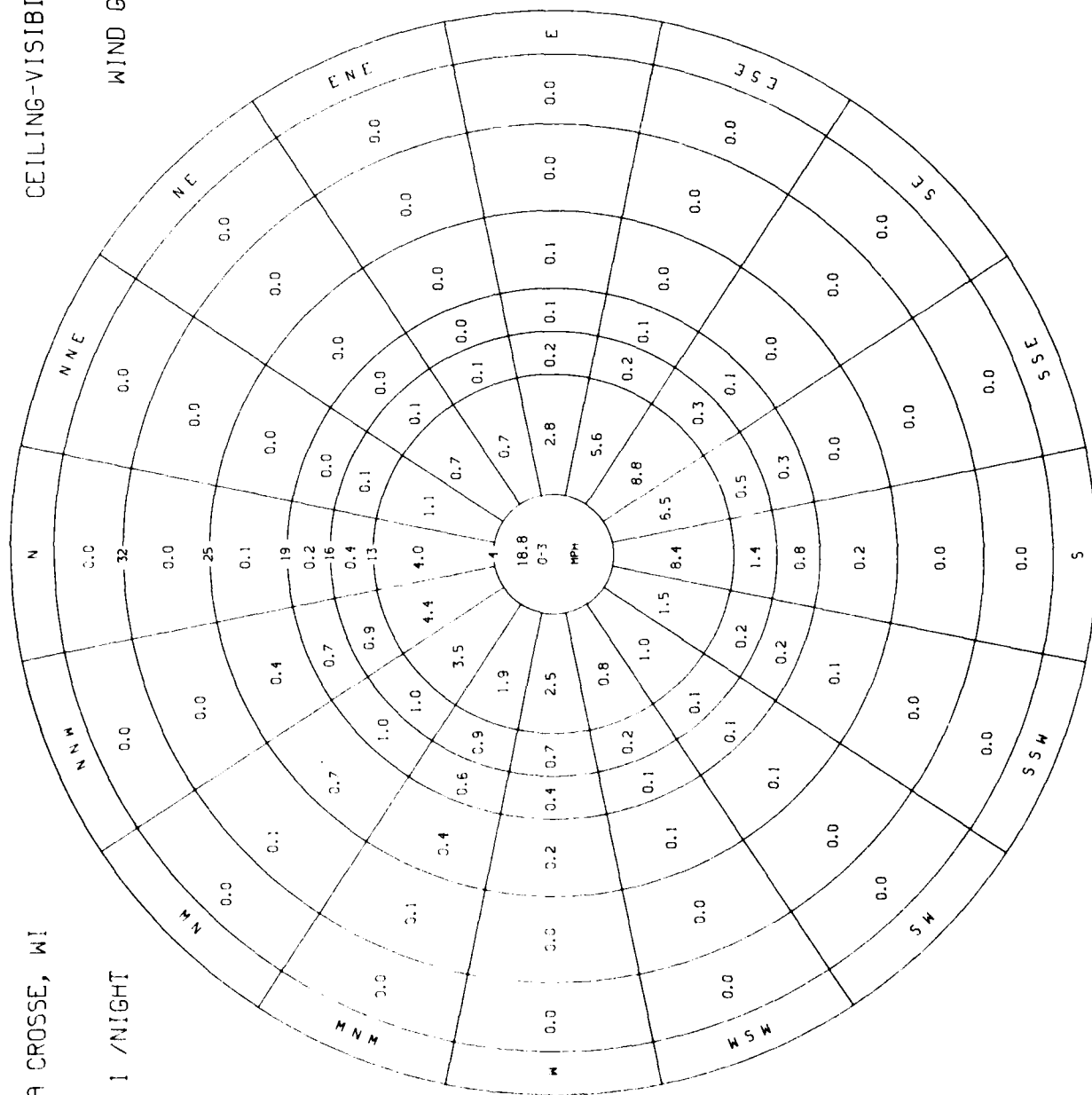
STATION NAME: LSE LA CROSSE, WI

STATION NUMBER: 14920

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	3.1	3.6	.7	.8	.4	.5	.3	.3	.0	.0	.0	.0	4.7	5.4	10.5
NNE	.1	.1	1.1	1.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.5	1.7	9.3
NE	.1	.1	.8	.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.1	1.3	8.6
ENE	.1	.1	.9	1.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.3	8.8
E	.2	.2	2.8	3.2	.3	.3	.2	.2	.0	.1	.0	.0	.0	.0	3.5	4.1	8.7
ESE	.2	.2	3.1	3.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.9	4.5	8.7
SE	.3	.3	4.6	5.3	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	5.8	6.6	8.8
SSE	.2	.2	5.2	6.0	1.1	1.2	.5	.6	.2	.2	.0	.0	.0	.0	7.2	8.3	10.0
S	.3	.4	9.1	10.4	2.4	2.8	1.6	1.9	.7	.8	.1	.1	.0	.0	14.2	16.3	11.1
SSW	.1	.1	2.8	3.2	.7	.8	.5	.6	.2	.3	.0	.1	.0	.0	4.4	5.1	11.1
SW	.1	.1	1.7	2.0	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	2.8	3.2	11.3
WSW	.1	.1	1.2	1.4	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.9	2.2	10.8
W	.1	.1	2.9	3.3	.8	.9	.7	.8	.3	.4	.1	.1	.0	.0	5.0	5.7	11.7
WNW	.1	.1	3.1	3.5	.9	1.1	.8	.9	.7	.8	.2	.2	.0	.0	5.8	6.7	12.6
NW	.2	.2	5.4	6.2	1.9	2.2	1.5	1.7	1.0	1.1	.2	.2	.0	.0	10.1	11.7	12.4
NNW	.2	.2	4.2	4.8	1.2	1.4	.9	1.0	.6	.7	.1	.1	.0	.0	7.2	8.2	11.7
CALC	6.7	7.7													6.7	7.7	
TOTAL	9.2	10.6	52.1	59.9	12.0	13.8	8.2	9.4	4.5	5.2	.8	.9	.1	.1	86.9	100	10.0

CEILING-VISIBILITY
WIND GRAPH

LSE LA CROSSE, WI
CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LSE LA CROSSE, WI

PERIOD: 1951-1978

CLASS 1 / NIGHT

STATION NUMBER: 14920

NO. OBS.: 32879

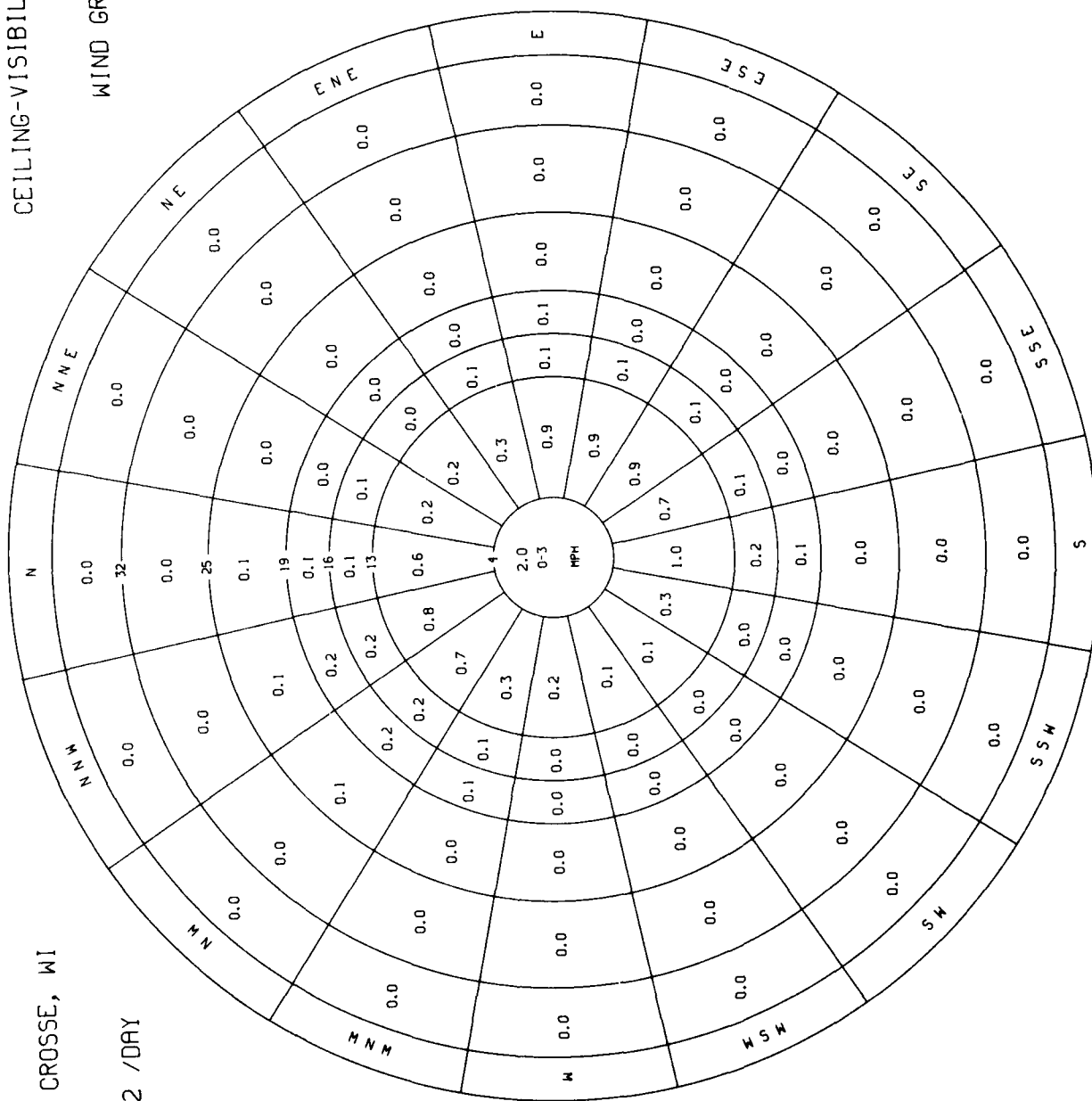
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	.4	4.0	4.6	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	5.1 5.8
NNE	.1	.1	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3 1.5
NE	.1	.2	.7	.8	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.0 1.1
ENE	.1	.1	.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8 1.0
E	.4	.4	2.8	3.2	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.5 4.0
ESE	.4	.5	5.6	6.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	6.3 7.1
SE	.7	.8	8.8	10.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	10.1 11.5
SSE	.3	.3	6.5	7.5	.5	.6	.3	.3	.0	.1	.0	.0	.0	.0	7.6 8.7
S	.3	.4	8.4	9.5	1.4	1.6	.8	.9	.2	.3	.0	.0	.0	.0	11.2 12.7
SSW	.1	.1	1.5	1.7	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.1 2.4
SW	.1	.1	1.0	1.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.4 1.6
WSW	.1	.1	.8	.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.2 1.3
W	.1	.1	2.5	2.8	.7	.8	.4	.4	.2	.3	.0	.0	.0	.0	3.9 4.4
WNW	.1	.1	1.9	2.2	.9	1.0	.6	.7	.4	.5	.1	.1	.0	.0	4.0 4.6
NW	.2	.2	3.5	4.0	1.0	1.2	1.0	1.1	.7	.8	.1	.1	.0	.0	6.6 7.5
NNW	.2	.2	4.4	5.0	.9	1.0	.7	.8	.4	.5	.0	.1	.0	.0	6.5 7.5
CALM	15.2	17.3													15.2 17.3
TOTAL	18.8	21.4	54.1	61.7	7.1	8.1	4.7	5.4	2.6	3.0	.3	.4	.1	.1	87.7 100

CEILING-VISIBILITY

WIND GRAPH

LSE LA CROSSE, WI

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: LSE LA CROSSE, WI

CLASS 2 / DAY

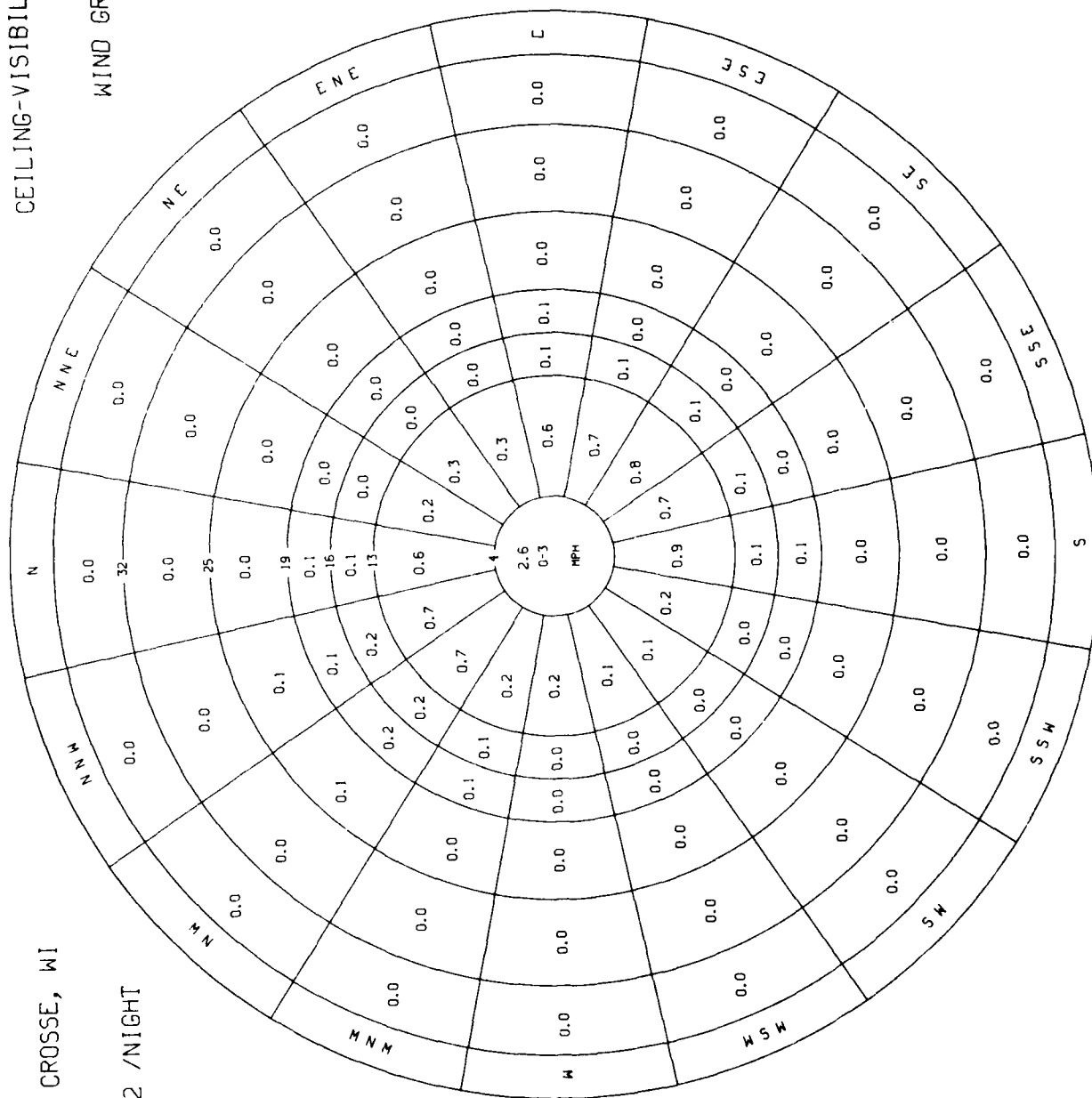
NO. OBS.: 5816

STATION NUMBER: 14920

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	.6	4.2	.1	.9	.1	.7	.1	.6	.0	.0	.0	.0	.9	6.6	11.1					
NNE	.0	.0	.2	1.9	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4	2.8	10.7					
NE	.0	.2	.2	1.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	2.4	8.7					
ENE	.0	.1	.3	2.5	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.3	9.4					
E	.1	.5	.9	6.6	.1	.9	.1	.5	.0	.1	.0	.1	.0	.0	1.1	8.7	9.2					
ESE	.1	.5	.9	6.6	.1	.7	.0	.4	.0	.1	.0	.0	.0	.0	1.1	8.2	8.5					
SE	.1	.5	.9	6.9	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.1	8.3	8.0					
SSE	.0	.3	.7	5.5	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.9	6.8	8.9					
S	.0	.4	1.0	7.5	.2	1.2	.1	.5	.0	.2	.0	.1	.0	.0	1.3	9.9	9.3					
SSW	.0	.2	.3	2.0	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.4	2.8	9.3					
SW	.0	.2	.1	1.1	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.8	10.1					
WSW	.0	.1	.1	.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.3	10.6					
W	.0	.1	.2	1.4	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.6	12.2					
WNW	.0	.1	.3	2.0	.1	.5	.1	.5	.0	.3	.0	.1	.0	.0	.5	3.5	12.2					
NW	.1	.4	.7	5.2	.2	1.5	.2	1.3	.1	.8	.0	.4	.0	.0	1.2	9.5	12.1					
NNW	.0	.3	.8	6.1	.2	1.2	.2	1.3	.1	1.0	.0	.2	.0	.0	1.3	10.1	11.8					
CALM	1.5	11.4													1.5	11.4						
TOTAL	2.0	15.5	8.2	62.1	1.4	10.3	.9	6.9	.5	4.1	.1	1.1	.0	.1	13.1	100	8.9					

CEILING-VISIBILITY

WIND GRAPH



LSE LA CROSSE, WI

CLASS 2 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: LSE LA CROSSE, WI

CLASS 2 / NIGHT

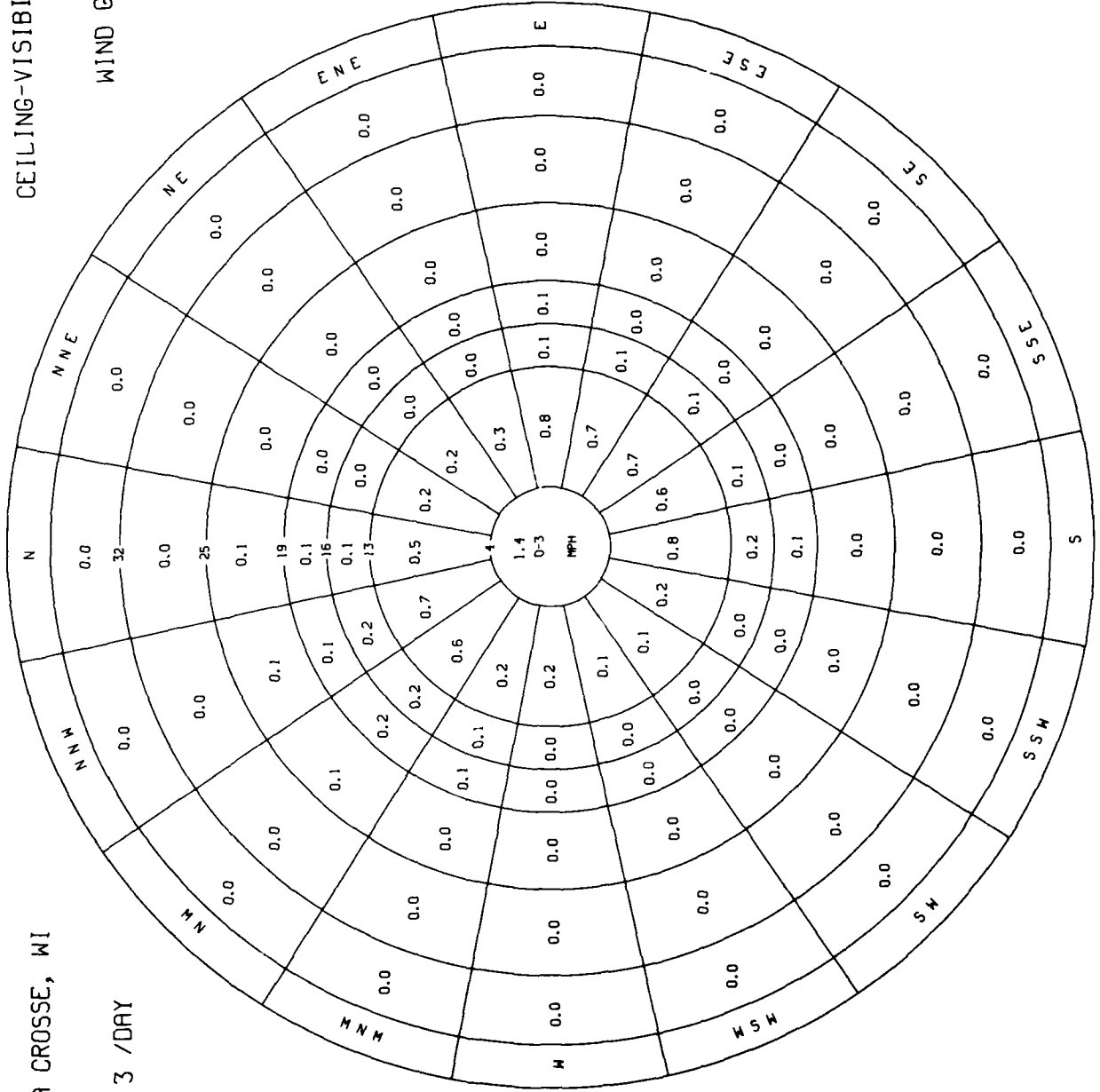
NO. OBS.: 4607

STATION NUMBER: 14920

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	.6	4.6	.1	.8	.1	.6	.0	.3	.0	.1	.0	.0	.8 6.7 10.2
NNE	.0	.1	.2	1.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.4 9.2
NE	.0	.2	.3	2.1	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.6 8.3
ENE	.0	.1	.3	2.3	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4 2.9 8.9
E	.0	.2	.6	5.3	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.8 6.6 8.9
ESE	.1	.4	.7	5.9	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.9 7.3 8.1
SE	.1	.5	.8	6.5	.1	.5	.0	.3	.0	.0	.0	.0	.0	.0	1.0 7.8 7.9
SSE	.1	.4	.7	5.9	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.9 7.2 8.4
S	.1	.5	.9	7.2	.1	.7	.1	.5	.0	.1	.0	.0	.0	.0	1.1 8.9 8.6
SSW	.0	.2	.2	2.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.7 8.7
SW	.0	.1	.1	1.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.4 8.6
WSW	.0	.1	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0 11.2
W	.0	.1	.2	1.6	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.3 2.6 11.2
WNW	.0	.2	.2	1.9	.1	.8	.1	.7	.0	.3	.0	.1	.0	.0	.5 4.0 12.4
NW	.1	.5	.7	5.3	.2	1.4	.2	1.3	.1	.9	.0	.2	.0	.0	1.2 9.6 11.8
NNW	.0	.4	.7	5.5	.2	1.6	.1	1.0	.1	.8	.0	.2	.0	.0	1.2 9.5 11.3
CALM	2.1	17.1													2.1 17.1
TOTAL	2.6	21.2	7.3	59.6	1.1	9.1	.8	6.3	.4	3.2	.1	.6	.0	.0	12.3 100 8.0

CEILING-VISIBILITY

WIND GRAPH



LSE LA CROSSE, WI

CLASS 3 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: LSE LA CROSSE, WI

CLASS 3 / DAY

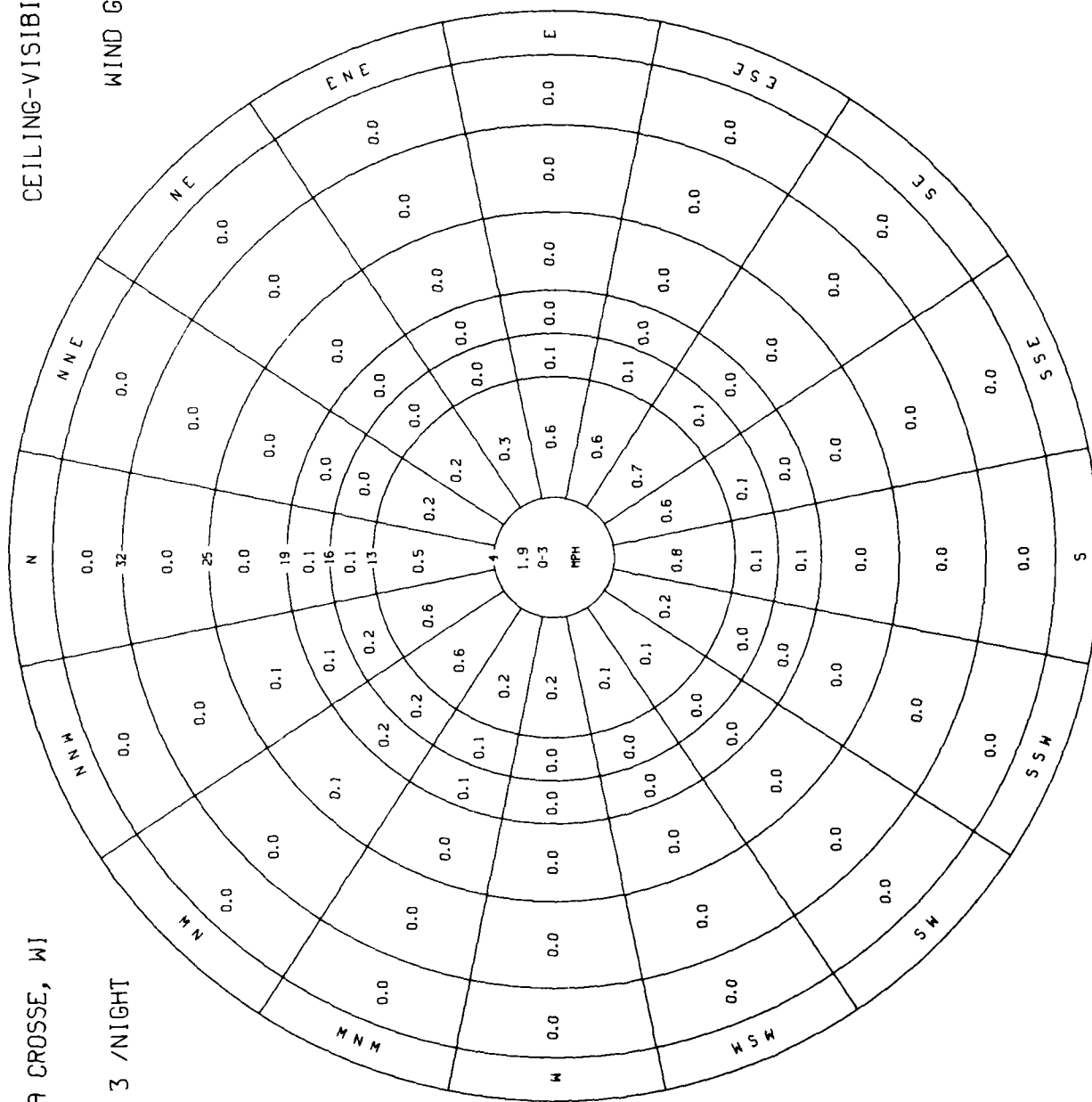
NO. OBS.: 4906

STATION NUMBER: 14920

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	.5	4.4	.1	.9	.1	.7	.1	.6	.0	.0	.0	.0	.7 6.7
NNE	.0	.0	.2	2.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3 2.8
NNE	.0	.2	.2	2.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.7
ENE	.0	.1	.3	2.8	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.5
E	.1	.5	.8	6.8	.1	1.0	.1	.5	.0	.2	.0	.1	.0	.0	1.0 9.0
ESE	.0	.4	.7	6.1	.1	.8	.0	.4	.0	.1	.0	.0	.0	.0	.9 7.9
SE	.0	.4	.7	6.2	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	.8 7.7
SSE	.0	.2	.6	5.4	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.8 6.8
S	.0	.3	.8	7.6	.2	1.4	.1	.6	.0	.2	.0	.1	.0	.0	1.1 10.2
SSW	.0	.2	.2	2.2	.0	.3	.0	.1	.0	.1	.0	.1	.0	.0	.3 3.0
SW	.0	.1	.1	1.2	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2 2.0
WSW	.0	.1	.1	.8	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2 1.4
W	.0	.1	.2	1.6	.0	.4	.0	.3	.0	.3	.0	.1	.0	.0	.3 2.8
WNW	.0	.1	.2	2.2	.1	.6	.1	.6	.0	.4	.0	.1	.0	.0	.4 4.0
NW	.0	.4	.6	5.4	.2	1.7	.2	1.4	.1	.9	.0	.3	.0	.0	1.1 10.2
NNW	.0	.3	.7	6.4	.2	1.4	.1	1.3	.1	1.0	.0	.2	.0	.0	1.2 10.6
CALM	1.0	8.8													1.0 8.8
TOTAL	1.4	12.5	7.0	63.2	1.3	11.4	.8	7.4	.5	4.3	.1	1.1	.0	.1	11.1 100
															9.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: LSE LA CROSSE, WI

CLASS 3 / NIGHT

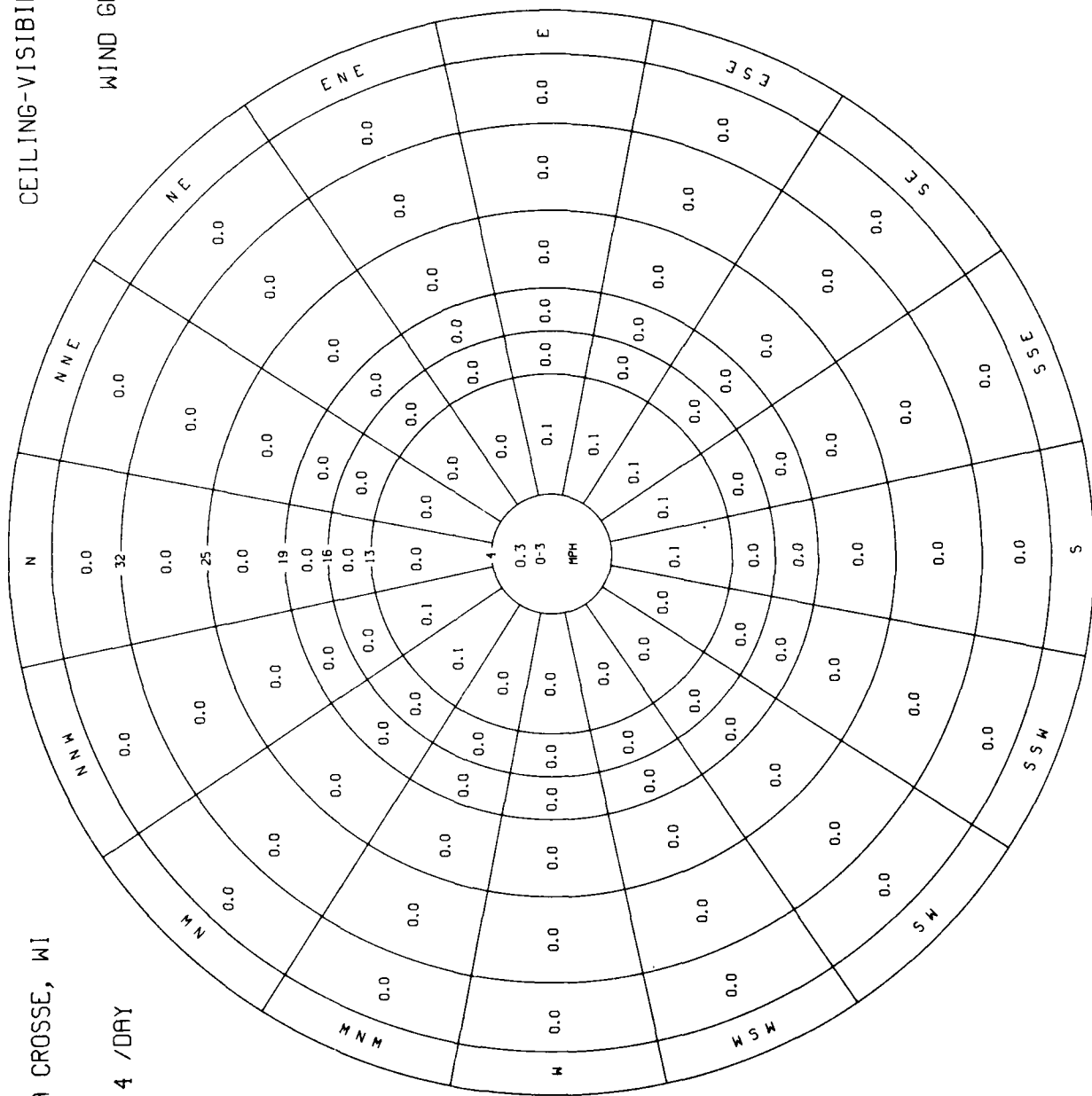
NO. OBS.: 3969

STATION NUMBER: 14920

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	.5	4.7	.1	.8	.1	.7	.0	.3	.0	.1	.0	.0	.7	6.8	10.3
NNE	.0	.1	.2	2.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.6	9.3
NE	.0	.2	.2	2.2	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.3	2.7	8.4
ENE	.0	.1	.3	2.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.0	8.8
E	.0	.2	.6	5.5	.1	.6	.0	.4	.0	.1	.0	.0	.0	.0	.7	6.9	8.9
ESE	.0	.4	.6	5.9	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.8	7.3	8.4
SE	.0	.4	.7	6.4	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.8	7.8	8.3
SSE	.0	.4	.6	6.0	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.8	7.4	8.6
S	.0	.4	.8	7.3	.1	.8	.1	.5	.0	.1	.0	.0	.0	.0	1.0	9.1	8.9
SSW	.0	.2	.2	2.2	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.9	8.9
SW	.0	.1	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.5	8.4
WSW	.0	.1	.1	.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.1	10.9
W	.0	.1	.2	1.8	.0	.4	.0	.3	.0	.3	.0	.0	.0	.0	.3	2.9	11.2
WNW	.0	.1	.2	2.1	.1	.8	.1	.8	.0	.4	.0	.1	.0	.0	.5	4.3	12.6
NW	.0	.4	.6	5.5	.2	1.5	.2	1.4	.1	.9	.0	.2	.0	.0	1.1	10.0	11.9
NNW	.0	.3	.6	5.8	.2	1.7	.1	1.1	.1	.9	.0	.1	.0	.0	1.0	9.9	11.4
CALM	1.5	14.0													1.5	14.0	
TOTAL	1.9	17.6	6.5	61.7	1.1	10.0	.7	6.8	.3	3.3	.1	.6	.0	.1	10.6	100	8.4

LSE LA CROSSE, WI

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LSE LA CROSSE, WI

PERIOD: 1951-1978

CLASS 4 / DAY

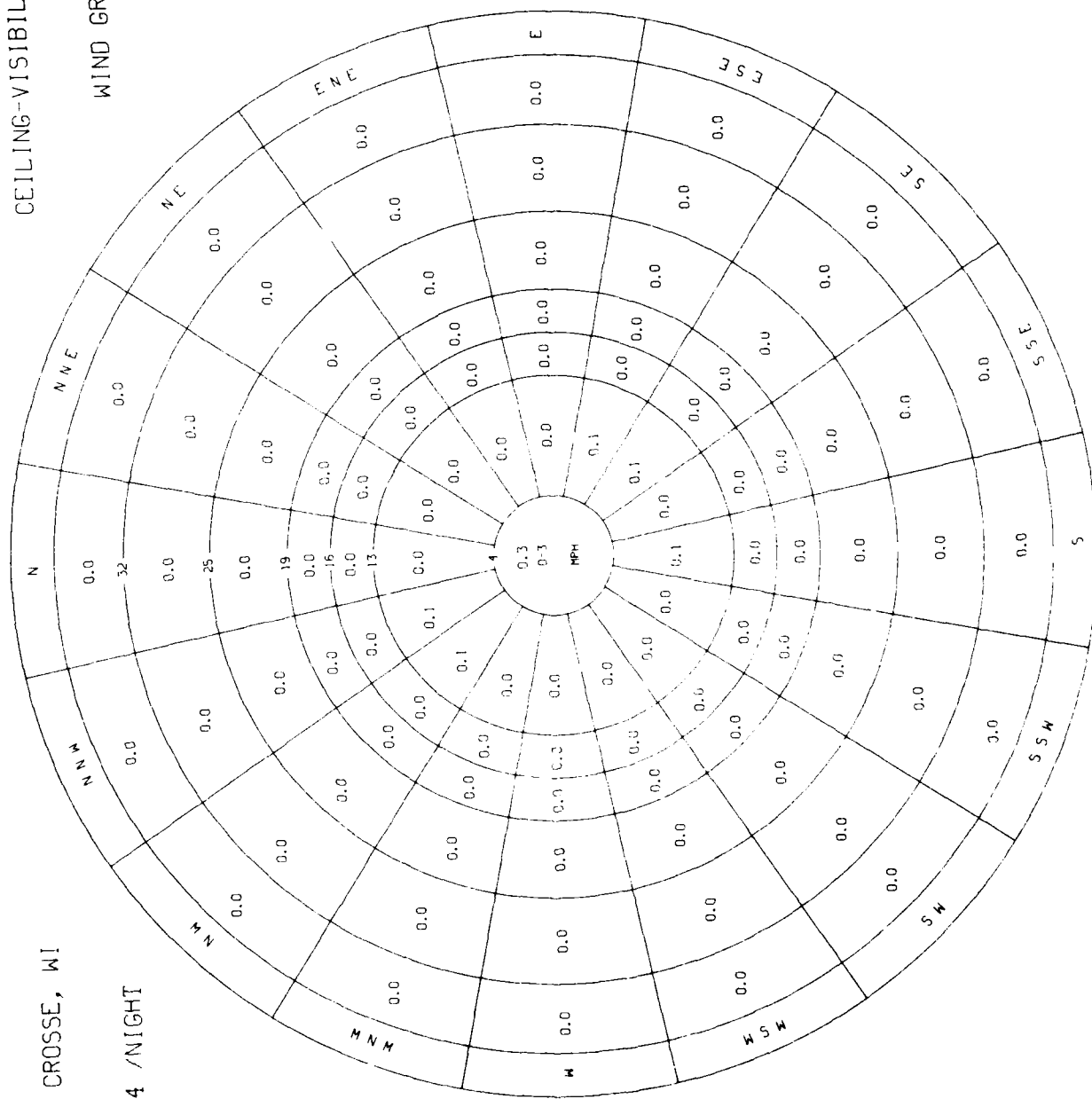
STATION NUMBER: 14920

NO. OBS.: 548

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	3.6	.0	1.1	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.1	6.6	12.2
NNE	.0	.0	.0	1.8	.0	.4	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	3.3	11.7
N	.0	.0	.0	1.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.4
ENE	.0	.2	.0	1.6	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	3.3	11.2
E	.0	.9	.1	5.8	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	8.0	8.1
ESE	.0	.2	.1	7.7	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	8.4	7.3
SE	.0	.9	.1	7.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	8.6	6.5
SSE	.0	.4	.1	6.4	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	7.3	7.4
S	.0	.2	.1	7.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.0	7.9
SSW	.0	.2	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.2
SW	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.0
WSW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.7	15.7
W	.0	.0	.0	.9	.0	.2	.0	.2	.0	.0	.0	.2	.0	.2	.0	.0	1.6	14.8
WNW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.0
NW	.0	.2	.1	5.1	.0	.7	.0	.9	.0	.4	.0	.7	.0	.0	.0	.1	8.0	11.9
NNW	.0	.7	.1	6.4	.0	.7	.0	1.3	.0	1.5	.0	.2	.0	.0	.0	.1	10.8	11.1
CALM	.3	21.4														.3	21.4	
TOTAL	.3	25.5	.7	57.7	.1	5.5	.1	6.2	.0	3.6	.0	1.3	.0	.2	.0	.2	100	7.3

CEILING-VISIBILITY

WIND GRAPH



LSE LA CROSSE, WI

CLASS 4 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: LSE LA CROSSE, WI

CLASS 4 / NIGHT

NO. OBS.: 335

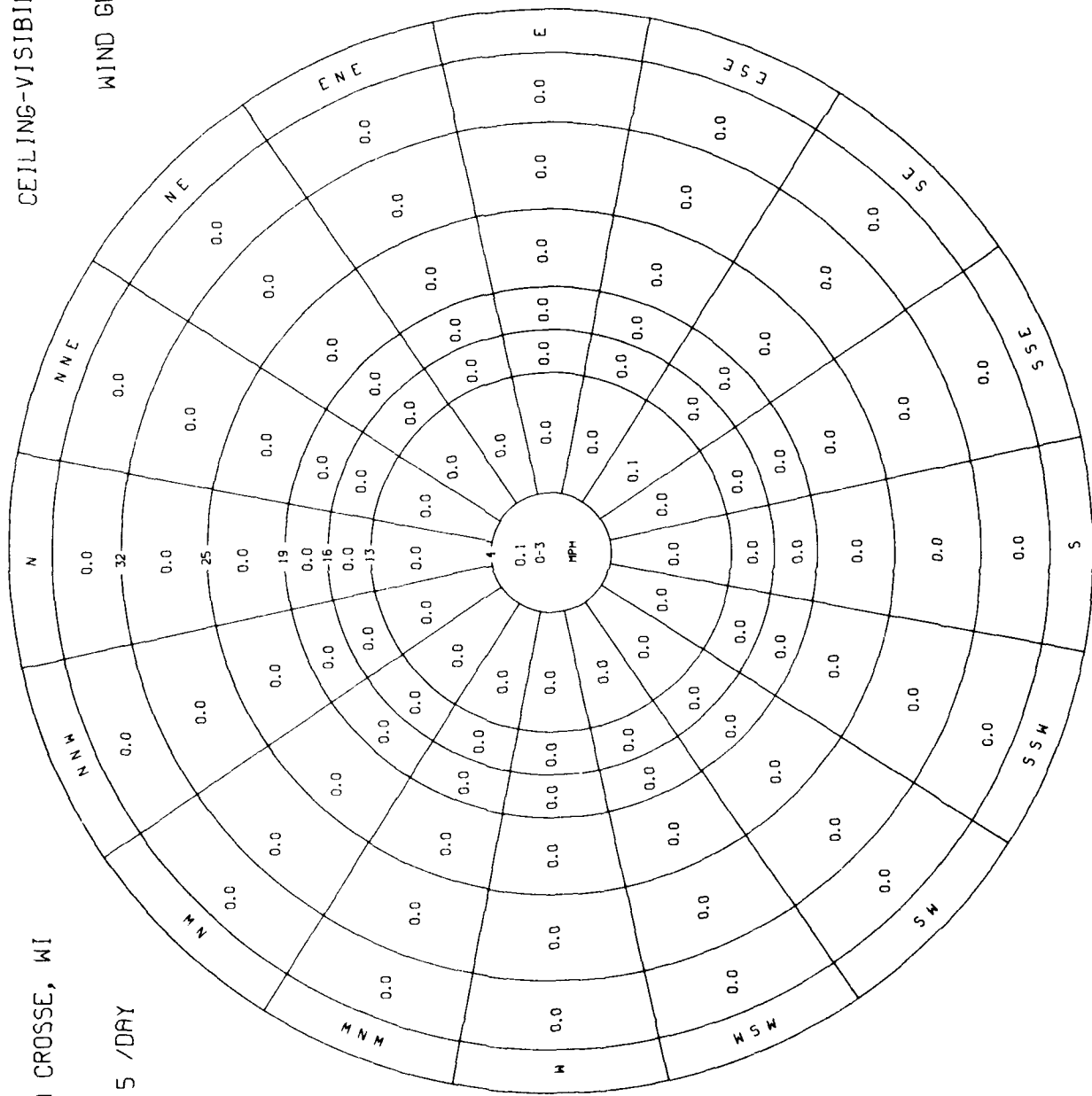
STATION NUMBER: 14920

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	.6	.0	4.8	.0	.6	.0	.6	.0	.3	.0	.0	.0	.0	.1 6.9
NNE	.0	.0	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
NE	.0	.3	.0	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
ENE	.0	.0	.0	2.1	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0 3.0
E	.0	.3	.0	5.4	.0	.9	.0	.6	.0	.0	.0	.0	.0	.0	.1 7.2
ESE	.0	.6	.1	6.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.1
SE	.0	.6	.1	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.2
SSE	.0	.6	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
S	.0	.3	.1	6.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.1 6.9
SSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
SW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0 1.2
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0 3
W	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9
WNW	.0	.0	.0	.3	.0	.6	.0	.3	.0	.6	.0	.0	.0	.0	.0 1.8
NW	.0	.3	.1	5.7	.0	.6	.0	.9	.0	.9	.0	.0	.0	.0	.1 8.4
NNW	.0	1.2	.1	6.3	.0	1.2	.0	1.2	.0	1.5	.0	.3	.0	.0	.1 11.6
CALM	.2	26.0													.2 26.0
TOTAL	.3	30.7	.5	54.3	.1	6.0	.0	4.5	.0	3.9	.0	.6	.0	.0	.9 100
															.6 8

CEILING-VISIBILITY
WIND GRAPH

LSE LA CROSSE, WI

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LSE LA CROSSE, WI

PERIOD: 1951-1978

CLASS 5 / DAY

STATION NUMBER: 14920

NO. OBS.: 178

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	1.7	.0	1.1	.0	.6	.0	1.7	.0	.0	.0	.0	6.2
NNE	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2
NE	.0	.0	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.7
ENE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
E	.0	.0	.0	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2
ESE	.0	1.1	.0	11.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4
SE	.0	1.1	.1	15.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.3
SSE	.0	.6	.0	4.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	6.2
S	.0	2.2	.0	8.4	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	11.8
SSW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
SW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
WSW	.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	1.1
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
NW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8
NNW	.0	.6	.0	1.1	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	2.8
CALM	.1	24.7												.1	24.7
TOTAL	.1	33.7	.2	57.3	.0	4.5	.0	1.1	.0	2.8	.0	.0	.0	.4	100

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1951-1978

STATION NAME: LSE LA CROSSE, WI

CLASS 5 / NIGHT

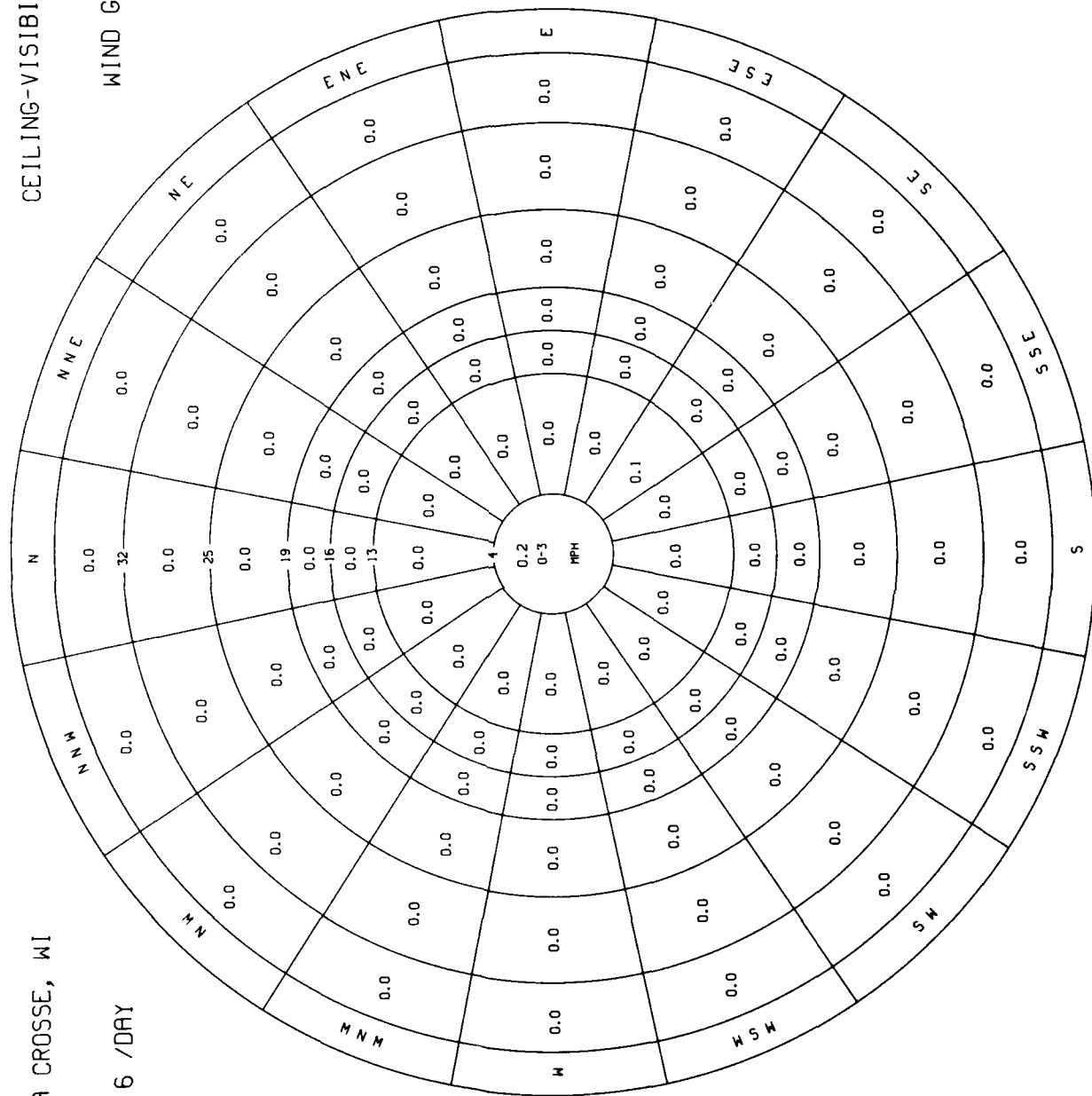
NO. OBS.: 103

STATION NUMBER: 14920

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	.0	3.9	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	6.8	9.1
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.9	14.5
ENE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
E	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	8.5
ESE	.0	1.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.2
SE	.0	3.9	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	4.5
SSE	.0	.0	.0	4.9	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	5.8	9.7
S	.0	1.9	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.0
SSW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	9.0
SW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.5
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0	20.0
WNW	.0	1.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.0
NW	.0	1.0	.0	4.9	.0	.0	.0	1.0	.0	1.9	.0	.0	.0	.0	.0	8.7	10.3
NNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.9	18.5
CALM	.1	41.7													.1	41.7	
TOTAL	.1	52.4	.1	38.8	.0	.0	.0	3.9	.0	3.9	.0	1.0	.0	.0	.3	100	4.7

CEILING-VISIBILITY

WIND GRAPH



LSE LA CROSSE, WI

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LSE LA CROSSE, WI

PERIOD: 1951-1978

CLASS 6 / DAY

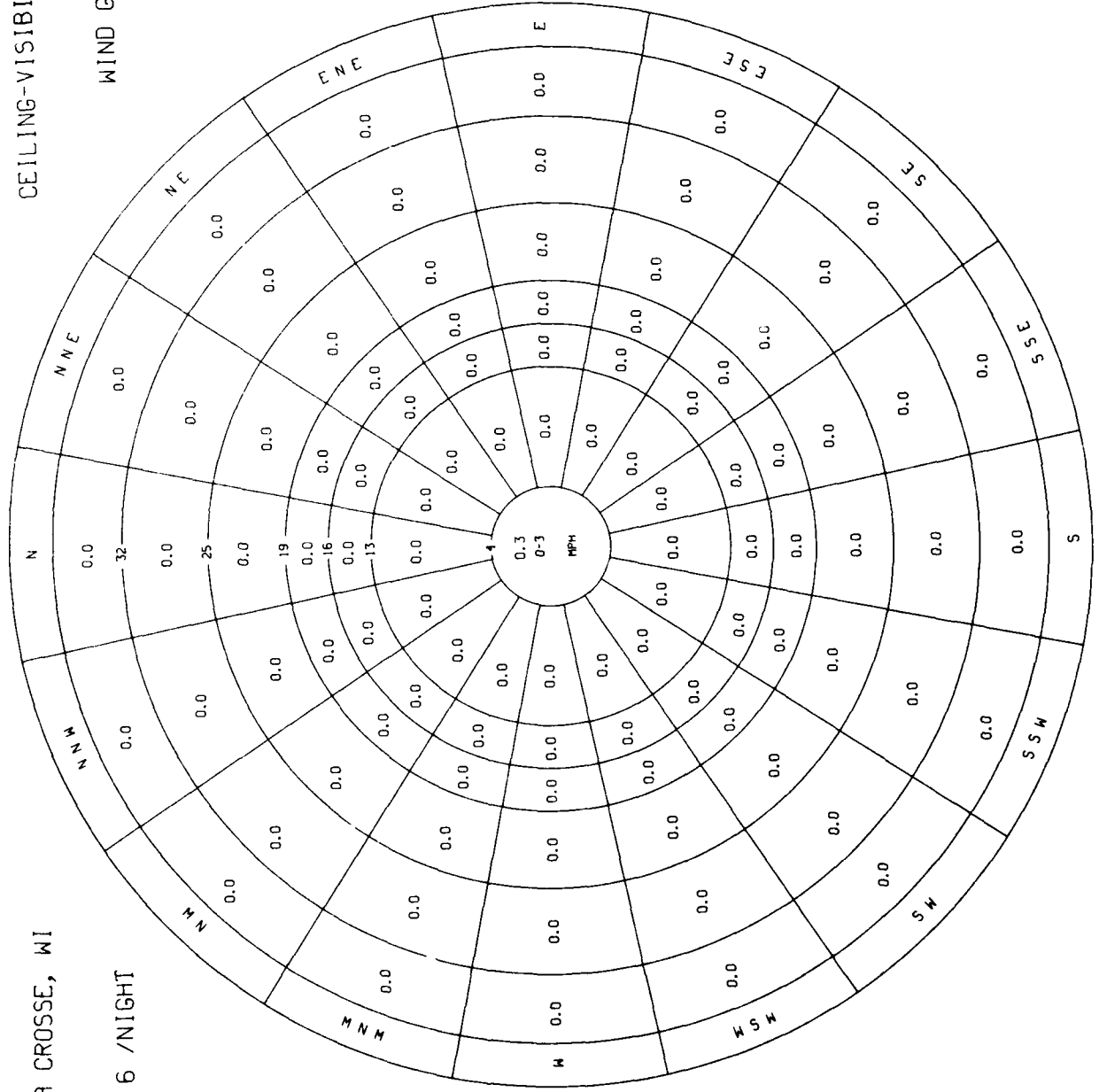
STATION NUMBER: 14920

NO. OBS.: 184

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	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3
NNE	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	.0	.5	.0	.0	1.6
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.1	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	1.6	.0	10.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3
SE	.0	3.3	.1	14.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.5
SSE	.0	.5	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1
S	.0	.0	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1
SSW	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2
SW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
WSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
NNW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
CALM	.2	37.5												.2	37.5
TOTAL	.2	46.2	.2	52.2	.0	.0	.0	.5	.0	.5	.0	.5	.0	.0	4.0

CEILING-VISIBILITY

WIND GRAPH



LSE LA CROSSE, WI

CLASS 6 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LSE LA CROSSE, WI

PERIOD: 1951-1978

CLASS 6 / NIGHT

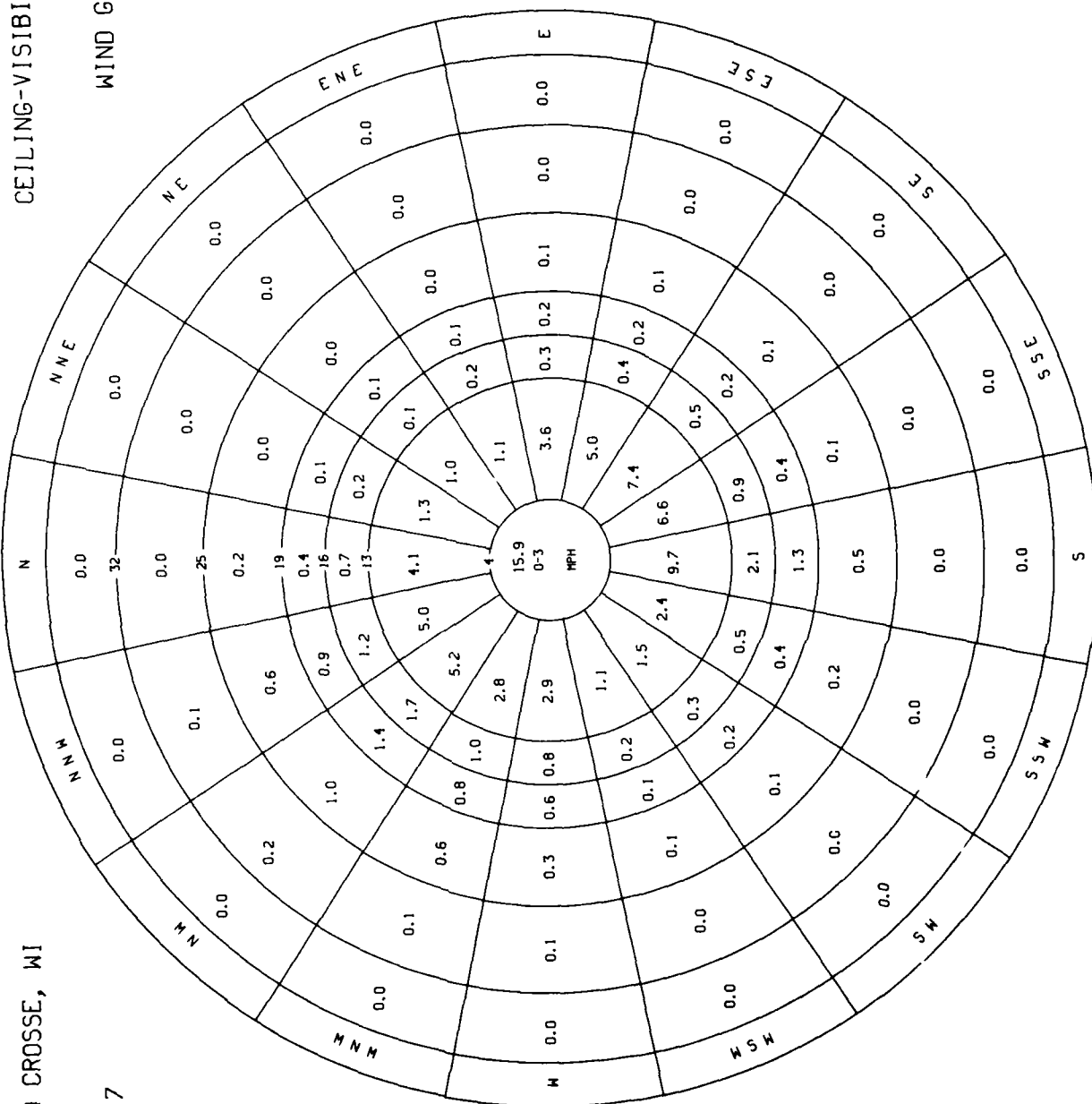
STATION NUMBER: 14920

NO. OBS.: 200

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	.0	3.0	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	4.5	9.4
NNE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.0
NE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.0
ENE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
E	.0	.5	.0	2.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.0	6.8
ESE	.0	1.5	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.7
SE	.0	1.0	.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	5.9
SSE	.0	.5	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	6.2
S	.0	1.5	.0	8.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.0	6.1
SSW	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
NW	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	3.0	7.7
NNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.5
CALM	.3	51.5													.3	51.5	
TOTAL	.3	61.0	.2	37.0	.0	.5	.0	.5	.0	.5	.0	.5	.0	.0	.5	100	3.1

CEILING-VISIBILITY

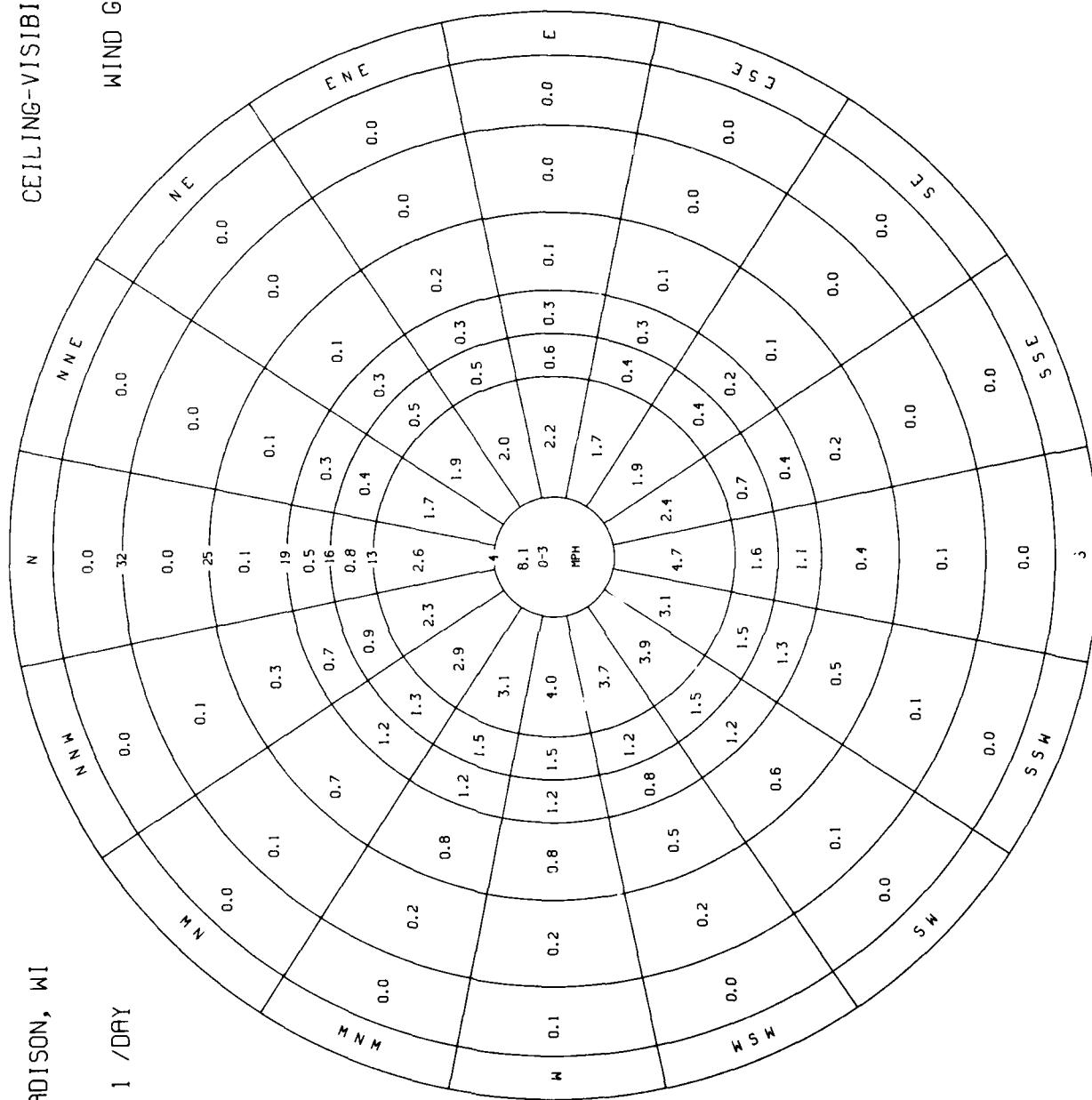
WIND GRAPH



MSN MADISON, WI

CLASS 1 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: MSN MADISON, WI

CLASS 1 / DAY

NO. OBS.: 41422

STATION NUMBER: 14837

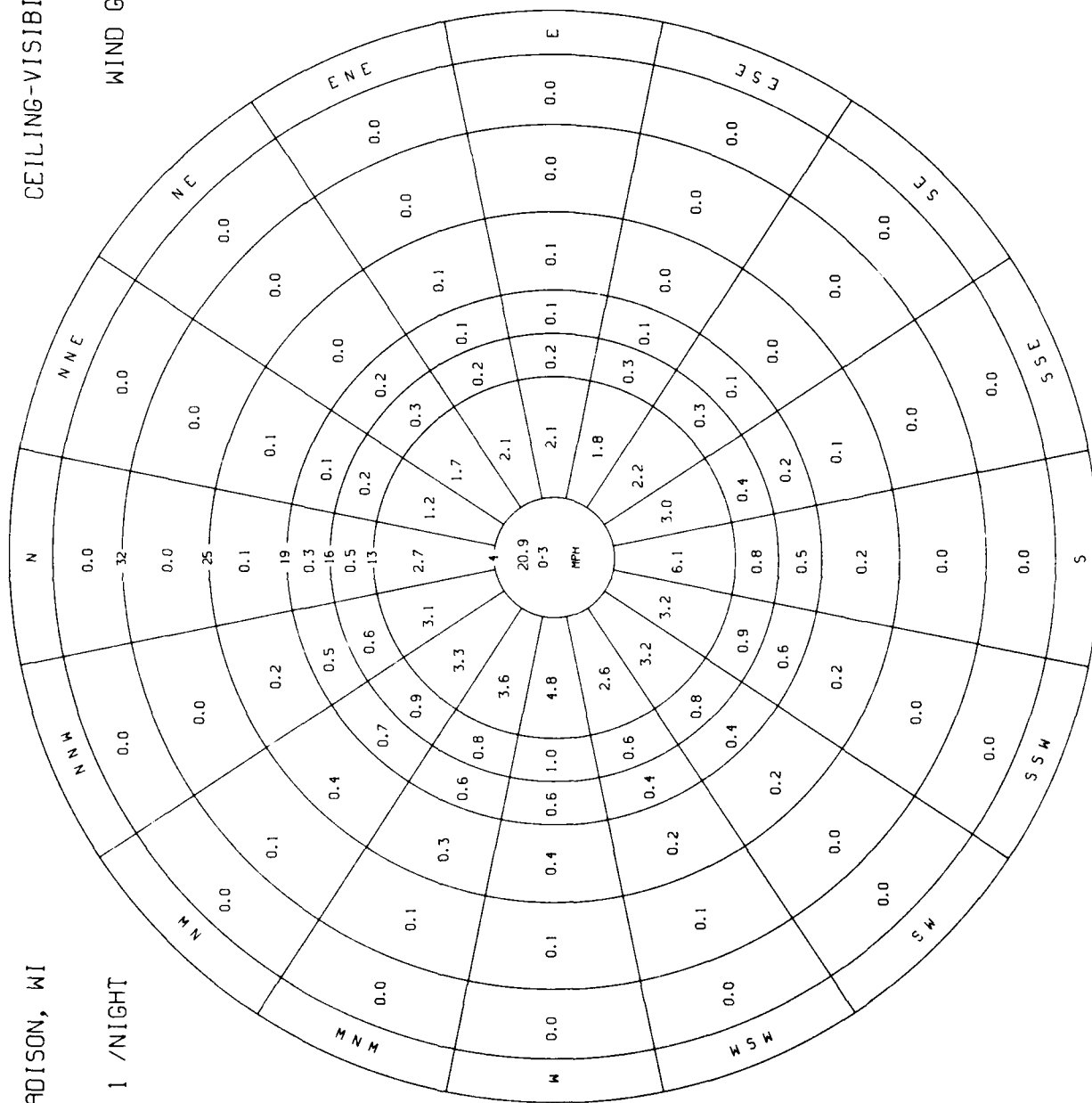
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.3	.4	2.6	3.0	.8	.9	.5	.6	.1	.2	.0	.0	.0	.0	4.4	5.1	10.5
NNE	.2	.2	1.7	2.0	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.8	3.2	10.4
NE	.3	.4	1.9	2.2	.5	.6	.3	.4	.1	.2	.0	.0	.0	.0	3.2	3.8	10.1
ENE	.3	.4	2.0	2.3	.5	.6	.3	.4	.2	.2	.0	.0	.0	.0	3.3	3.9	10.2
E	.3	.4	2.2	2.5	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.5	4.0	10.0
ESE	.2	.2	1.7	1.9	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.7	3.1	10.2
SE	.3	.4	1.9	2.2	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.0	3.5	9.7
SSE	.3	.4	2.4	2.8	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	4.0	4.7	10.4
S	.4	.4	4.7	5.5	1.6	1.9	1.1	1.3	.4	.5	.1	.1	.0	.0	8.3	9.7	11.3
SSW	.2	.2	3.1	3.6	1.5	1.7	1.3	1.5	.5	.6	.1	.1	.0	.0	6.7	7.8	12.8
SW	.3	.3	3.9	4.6	1.5	1.8	1.2	1.4	.6	.7	.1	.2	.0	.0	7.7	9.0	12.3
WSW	.3	.3	3.7	4.4	1.2	1.4	.8	1.0	.5	.6	.2	.2	.0	.1	6.8	7.9	12.0
W	.4	.4	4.0	4.7	1.5	1.7	1.2	1.4	.8	.9	.2	.3	.1	.1	8.1	9.4	12.5
WNW	.3	.3	3.1	3.6	1.5	1.7	1.2	1.4	.8	.9	.2	.2	.0	.0	7.0	8.2	13.1
NW	.3	.4	2.9	3.3	1.3	1.5	1.2	1.4	.7	.8	.1	.2	.0	.0	6.6	7.6	12.8
NNW	.3	.3	2.3	2.7	.9	1.0	.7	.9	.3	.4	.1	.1	.0	.0	4.5	5.3	11.7
CALM	3.4	3.9													3.4	3.9	
TOTAL	8.1	9.4	44.0	51.2	15.4	17.9	11.5	13.3	5.6	6.5	1.2	1.4	.2	.2	86.0	100	11.2

CEILING-VISIBILITY

WIND GRAPH

MSN MADISON, WI

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14837

NO. OBS.: 36086

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	.8	.9	2.7	3.2	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	4.3	5.1	8.3	
NNE	.5	.6	1.2	1.4	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	2.1	2.4	8.3	
NE	1.0	1.2	1.7	2.0	.3	.3	.2	.2	.0	.1	.0	.0	.0	.0	3.2	3.8	7.4	
ENE	.9	1.0	2.1	2.4	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	3.4	4.0	7.2	
E	.7	.9	2.1	2.5	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	3.3	3.8	7.6	
ESE	.4	.5	1.8	2.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.6	3.1	8.3	
SE	.6	.7	2.2	2.6	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	3.3	3.9	7.8	
SSE	.7	.8	3.0	3.6	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.3	5.1	8.1	
S	.9	1.1	6.1	7.2	.8	1.0	.5	.6	.2	.2	.0	.0	.0	.0	8.6	10.1	8.8	
SSW	.5	.5	3.2	3.8	.8	1.0	.6	.7	.2	.2	.0	.0	.0	.0	5.4	6.3	10.3	
SW	.4	.5	3.2	3.8	.9	.9	.4	.5	.2	.2	.0	.1	.0	.0	5.1	6.0	10.3	
WSW	.4	.5	2.6	3.0	.6	.7	.4	.5	.2	.2	.1	.1	.0	.0	4.4	5.1	10.6	
W	.6	.8	4.8	5.6	1.0	1.2	.6	.7	.4	.4	.1	.2	.0	.0	7.6	8.9	10.4	
WNW	.6	.7	3.6	4.2	.8	.9	.6	.6	.3	.3	.1	.1	.0	.0	5.9	6.9	10.2	
NW	.7	.8	3.3	3.9	.9	1.1	.7	.8	.4	.5	.1	.1	.0	.0	6.2	7.2	10.5	
NNW	.7	.8	3.1	3.6	.6	.7	.5	.5	.2	.2	.0	.0	.0	.0	5.0	5.9	9.1	
CALM	10.5	12.3													10.5	12.3		
TOTAL	20.9	24.6	46.8	55.0	8.6	10.1	5.5	6.4	2.5	3.0	.6	.7	.2	.2	85.2	100	8.1	

AD-A108 161

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

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

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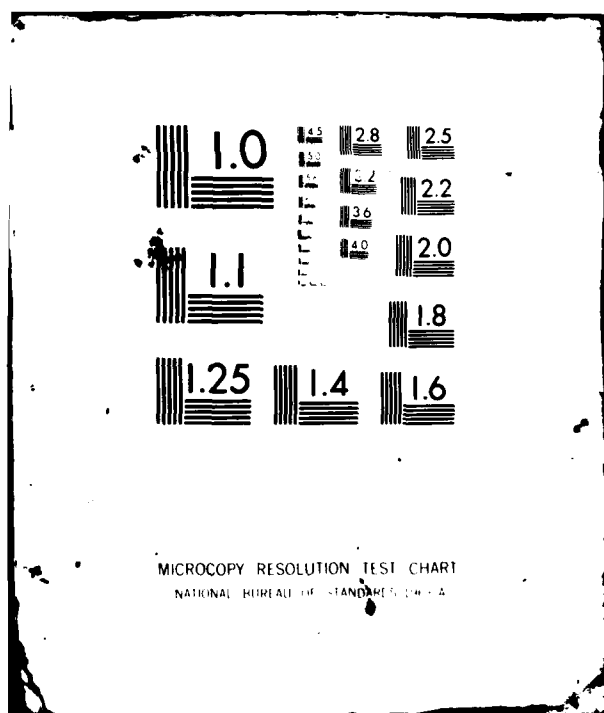
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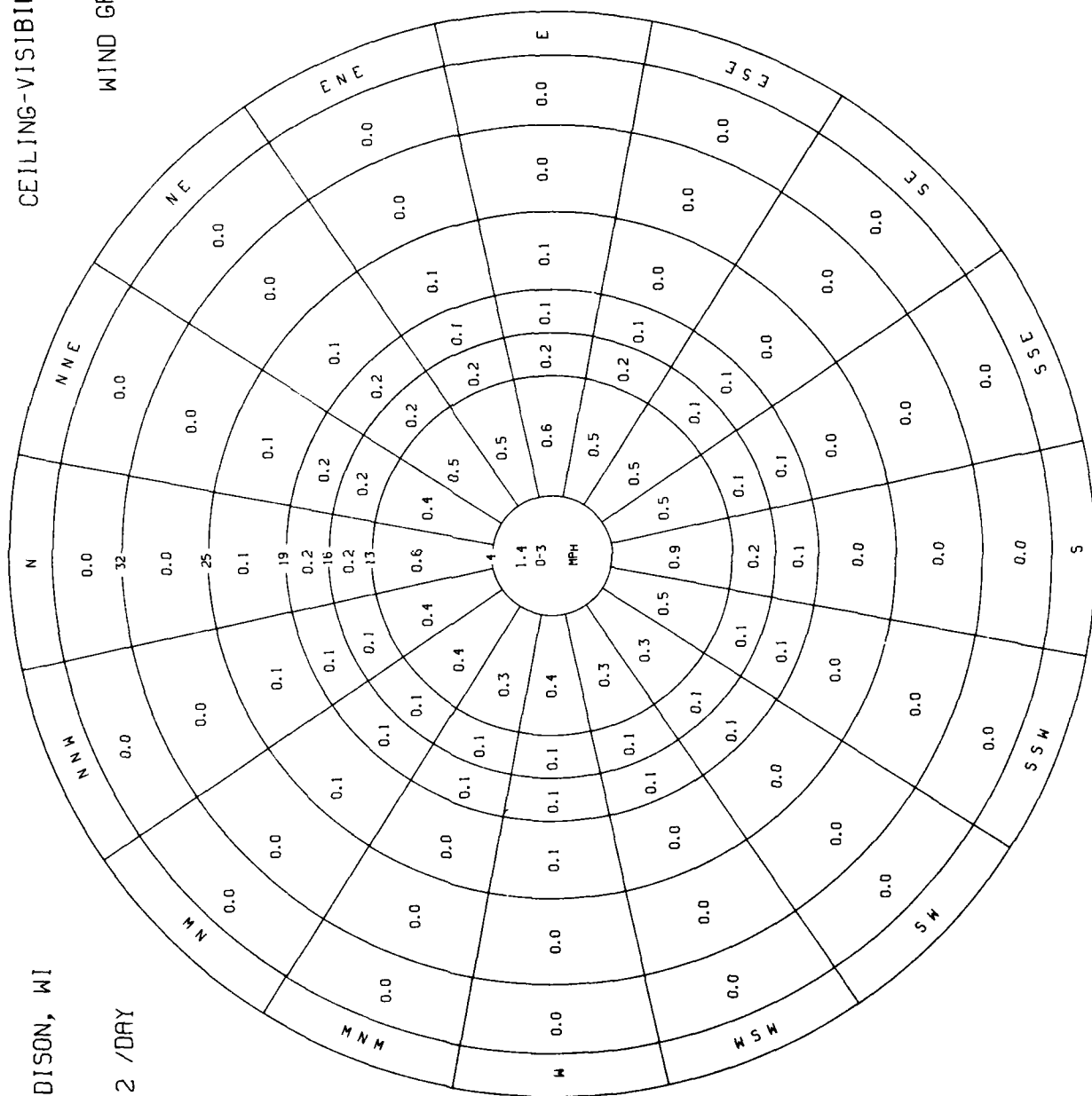
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DTIC



CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 2 / DAY

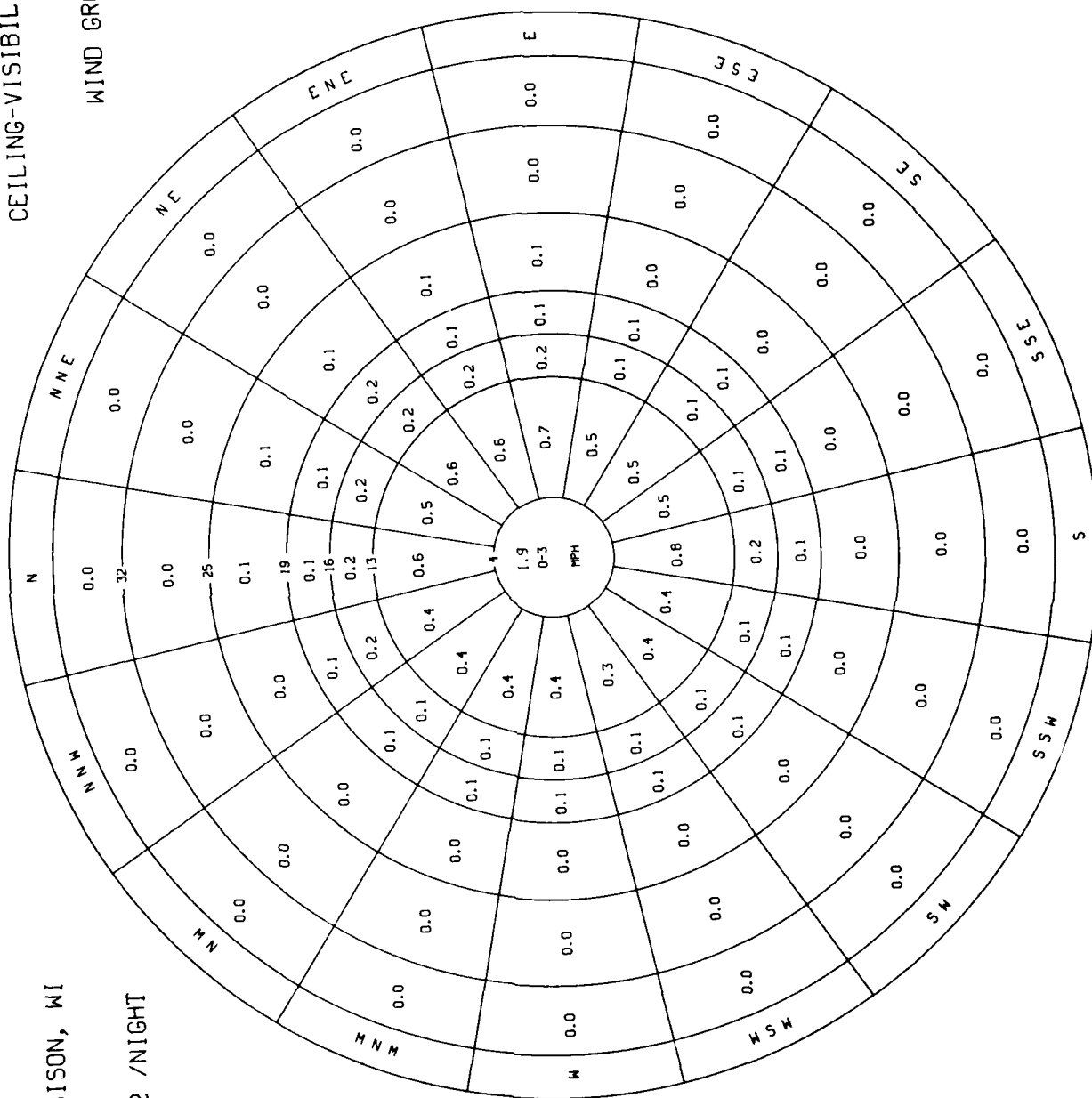
STATION NUMBER: 14837

NO. OBS.: 6759

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	.6	4.1	.2	1.3	.2	1.2	.1	.7	.0	.1	.0	.0	1.1 7.6
NNE	.1	.4	.4	2.8	.2	1.4	.2	1.1	.1	.8	.0	.3	.0	.1	1.0 6.8
NENE	.1	.5	.5	3.3	.2	1.5	.2	1.4	.1	.8	.0	.2	.0	.1	1.1 7.8
ENE	.0	.3	.5	3.5	.2	1.4	.1	1.0	.1	.5	.0	.2	.0	.0	1.0 6.9
E	.1	.5	.6	4.3	.2	1.4	.1	.9	.1	.5	.0	.1	.0	.0	1.1 7.7
ESE	.1	.4	.5	3.5	.2	1.2	.1	.7	.0	.3	.0	.1	.0	.0	.9 6.2
SE	.0	.3	.5	3.4	.1	.9	.1	.5	.0	.2	.0	.1	.0	.0	.8 5.4
SSE	.1	.4	.5	3.4	.1	1.1	.1	.5	.0	.1	.0	.0	.0	.0	.8 5.5
S	.1	.6	.9	6.1	.2	1.4	.1	.9	.0	.3	.0	.0	.0	.0	1.3 9.4
SSW	.0	.1	.5	3.3	.1	.9	.1	.5	.0	.2	.0	.1	.0	.0	.7 5.1
SW	.0	.3	.3	2.4	.1	.8	.1	.5	.0	.2	.0	.0	.0	.0	.6 4.3
WSW	.0	.1	.3	1.9	.1	.6	.1	.4	.0	.2	.0	.1	.0	.0	.5 3.4
W	.0	.3	.4	2.9	.1	.8	.1	.6	.1	.4	.0	.1	.0	.0	.7 5.0
WNW	.0	.2	.3	1.8	.1	.9	.1	.6	.0	.3	.0	.0	.0	.0	.5 3.8
NW	.1	.4	.4	2.6	.1	.8	.1	.9	.1	.5	.0	.2	.0	.1	.8 5.5
NNW	.0	.3	.4	2.5	.1	.9	.1	.7	.1	.5	.0	.1	.0	.0	.7 5.0
CALM	.6	4.5													.6 4.5
TOTAL	1.4	9.8	7.3	52.0	2.4	17.2	1.7	12.4	.9	6.4	.3	1.8	.0	.4	14.0 100

WIND GRAPH

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14837

NO. OBS.: 6274

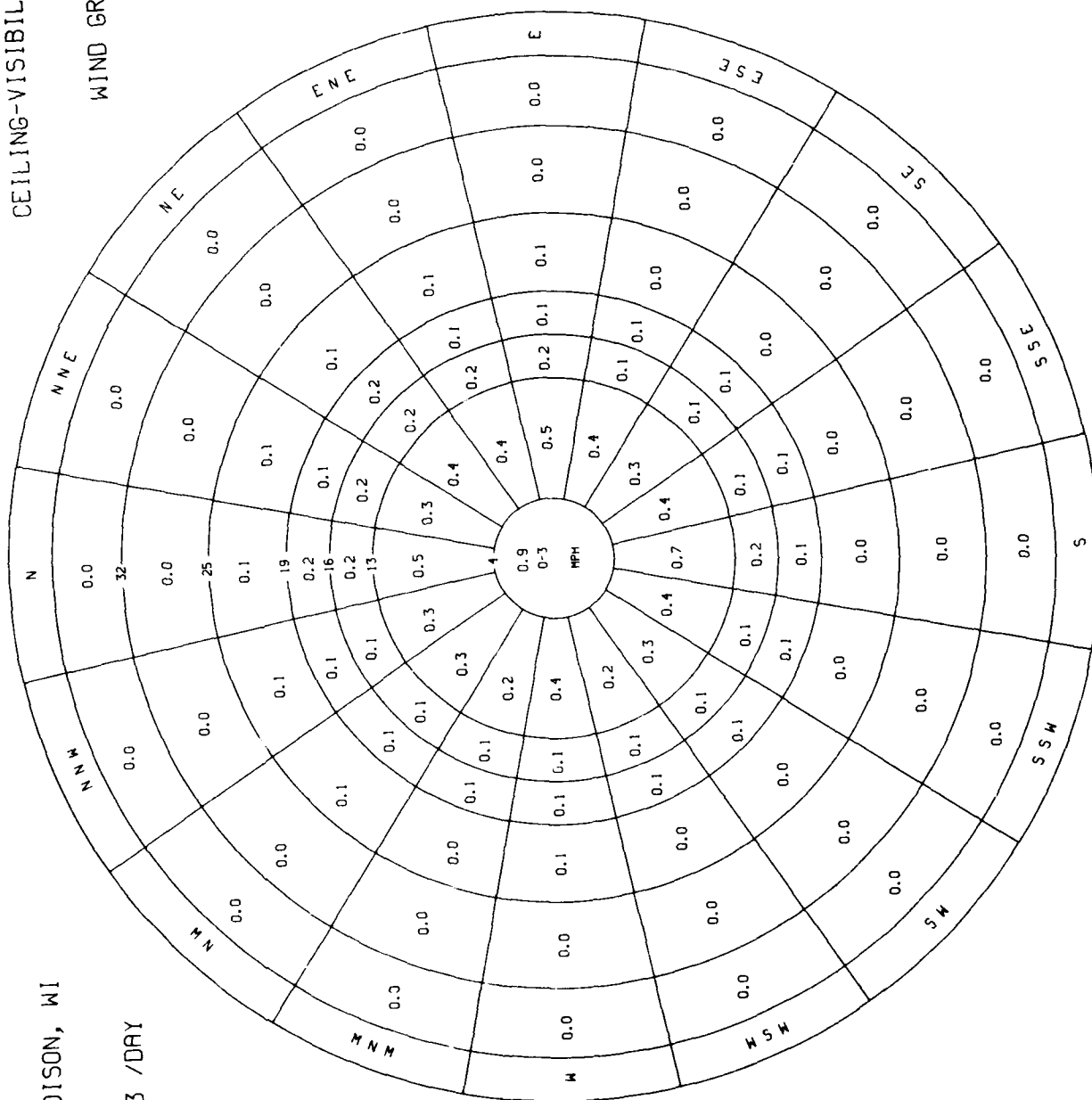
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.6	.6	4.4	.2	1.5	.1	1.0	.1	.6	.0	.2	.0	.0	1.2 8.2 11.4
NNE	.1	.4	.5	3.2	.2	1.3	.1	1.0	.1	.6	.0	.3	.0	.1	1.0 6.9 12.6
NNE	.1	.6	.6	3.7	.2	1.1	.2	1.1	.1	.7	.0	.3	.0	.0	1.1 7.5 11.9
ENE	.1	.5	.6	4.2	.2	1.1	.1	.7	.1	.4	.0	.2	.0	.0	1.1 7.1 10.9
E	.1	.6	.7	4.7	.2	1.1	.1	.8	.1	.4	.0	.1	.0	.0	1.1 7.7 10.4
ESE	.0	.3	.5	3.2	.1	.8	.1	.6	.0	.3	.0	.0	.0	.0	.8 5.1 10.9
SE	.1	.5	.5	3.2	.1	.7	.1	.5	.0	.3	.0	.0	.0	.0	.8 5.2 10.0
SSE	.1	.4	.5	3.3	.1	.7	.1	.5	.0	.1	.0	.0	.0	.0	.8 5.1 10.0
S	.1	.7	.8	5.2	.2	1.2	.1	.8	.0	.3	.0	.0	.0	.0	1.2 8.1 10.0
SSW	.0	.2	.4	2.6	.1	.6	.1	.6	.0	.3	.0	.1	.0	.0	.6 4.4 11.4
SW	.1	.4	.4	3.0	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.7 4.8 10.6
WSW	.0	.2	.3	2.0	.1	.5	.1	.5	.0	.3	.0	.1	.0	.0	.5 3.6 11.4
W	.0	.2	.4	3.0	.1	.8	.1	.5	.0	.3	.0	.2	.0	.0	.7 4.9 11.5
WNW	.0	.3	.4	2.6	.1	.7	.1	.5	.0	.3	.0	.1	.0	.0	.7 4.6 11.5
NW	.1	.6	.4	2.5	.1	.9	.1	.7	.0	.3	.0	.1	.0	.0	.8 5.1 11.0
NNW	.1	.4	.4	2.6	.2	1.3	.1	.9	.0	.3	.0	.1	.0	.0	.8 5.7 11.7
CALM	.9	6.0													.9 6.0
TOTAL	1.9	13.0	7.9	53.2	2.2	15.2	1.6	11.1	.8	5.5	.3	1.9	.0	.2	14.8 100 10.4

CEILING-VISIBILITY

WIND GRAPH

MSN MADISON, WI

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 3 / DAY

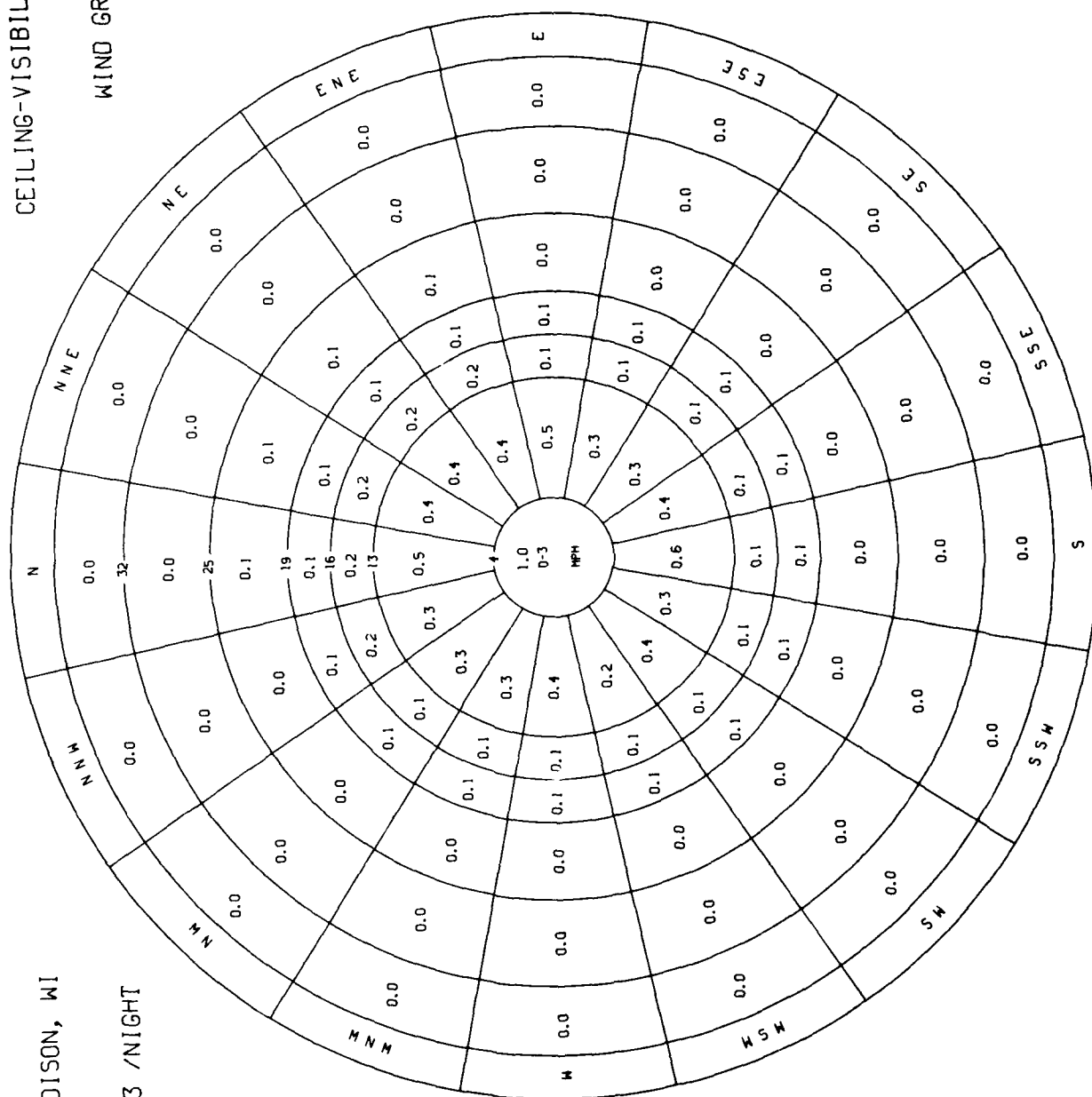
STATION NUMBER: 14837

NO. OBS.: 5571

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	.5	4.2	.2	1.5	.2	1.3	.1	.7	.0	.1	.0	.0	.9	7.9	12.2
NNE	.0	.3	.3	2.7	.2	1.5	.1	1.2	.1	.8	.0	.2	.0	.0	.8	6.8	13.4
NE	.0	.4	.4	3.1	.2	1.6	.2	1.5	.1	.8	.0	.2	.0	.0	.9	7.7	13.1
ENE	.0	.1	.4	3.3	.2	1.6	.1	1.1	.1	.6	.0	.2	.0	.0	.8	6.9	12.6
E	.1	.5	.5	3.9	.2	1.5	.1	1.0	.1	.6	.0	.2	.0	.0	.9	7.6	11.8
ESE	.0	.3	.4	3.2	.1	1.2	.1	.7	.0	.4	.0	.1	.0	.0	.7	5.9	11.7
SE	.0	.3	.3	2.9	.1	1.0	.1	.5	.0	.2	.0	.1	.0	.0	.6	4.9	10.8
SSE	.0	.3	.4	3.3	.1	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.6	5.4	10.7
S	.0	.4	.7	5.9	.2	1.5	.1	1.0	.0	.3	.0	.0	.0	.0	1.0	9.0	10.6
SSW	.0	.1	.4	3.2	.1	1.0	.1	.6	.0	.2	.0	.1	.0	.0	.6	5.2	11.4
SW	.0	.3	.3	2.6	.1	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.6	4.8	11.3
WSW	.0	.1	.2	2.1	.1	.6	.1	.5	.0	.2	.0	.1	.0	.0	.4	3.7	11.9
W	.0	.3	.4	3.3	.1	.9	.1	.7	.1	.4	.0	.1	.0	.0	.6	5.6	11.7
WNW	.0	.2	.2	1.9	.1	1.1	.1	.7	.0	.3	.0	.0	.0	.0	.5	4.2	12.1
NW	.0	.4	.3	2.8	.1	.9	.1	1.1	.1	.6	.0	.2	.0	.0	.7	5.9	12.5
NNW	.0	.2	.3	2.6	.1	1.0	.1	.8	.1	.5	.0	.1	.0	.0	.6	5.2	12.2
CALM	.4	3.2													.4	3.2	
TOTAL	.9	7.6	5.9	51.0	2.2	18.9	1.6	13.6	.8	7.0	.2	1.7	.0	.2	11.6	100	11.5

MSN MADISON, WI

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 3 / NIGHT

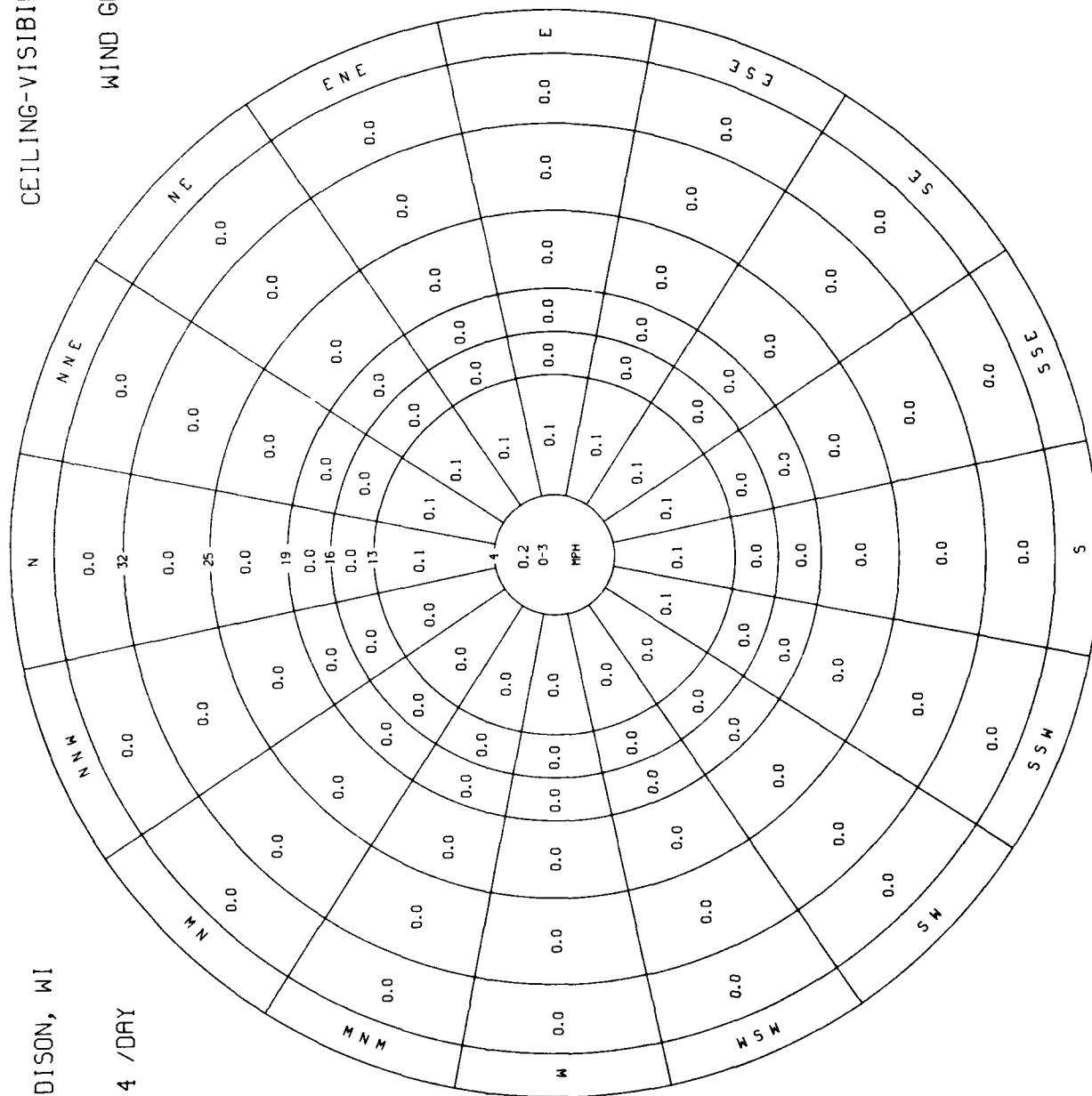
STATION NUMBER: 14837

NO. OBS.: 4904

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	.5	4.2	.2	1.7	.1	1.1	.1	.7	.0	.2	.0	.0	1.0	8.4	11.9
NNE	.0	.3	.4	3.2	.2	1.5	.1	1.2	.1	.7	.0	.3	.0	.1	.8	7.3	13.1
N _E	.0	.4	.4	3.6	.2	1.3	.1	1.3	.1	.8	.0	.3	.0	.0	.9	7.7	12.8
ENE	.0	.4	.4	3.6	.2	1.3	.1	.7	.1	.5	.0	.2	.0	.0	.8	6.7	11.7
E	.0	.4	.5	4.1	.1	1.2	.1	.9	.0	.4	.0	.2	.0	.0	.8	7.2	11.4
ESE	.0	.1	.3	2.7	.1	.8	.1	.7	.0	.3	.0	.0	.0	.0	.5	4.7	11.8
SE	.0	.4	.3	2.7	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.5	4.5	10.4
SSE	.0	.3	.4	3.1	.1	.8	.1	.5	.0	.2	.0	.0	.0	.0	.6	4.9	10.5
S	.1	.5	.6	5.0	.1	1.2	.1	.8	.0	.3	.0	.0	.0	.0	.9	7.9	10.4
SSW	.0	.1	.3	2.5	.1	.7	.1	.8	.0	.3	.0	.1	.0	.0	.5	4.6	12.1
SW	.0	.4	.4	3.3	.1	.9	.1	.5	.0	.3	.0	.0	.0	.0	.6	5.5	11.0
WSW	.0	.2	.2	2.1	.1	.6	.1	.7	.0	.3	.0	.1	.0	.0	.5	4.0	12.0
W	.0	.1	.4	3.4	.1	1.0	.1	.6	.0	.4	.0	.2	.0	.0	.7	5.8	11.7
WNW	.0	.3	.3	3.0	.1	.9	.1	.7	.0	.3	.0	.2	.0	.0	.6	5.3	11.7
NW	.1	.5	.3	2.8	.1	1.1	.1	.8	.0	.4	.0	.1	.0	.0	.7	5.8	11.5
NNW	.0	.2	.3	2.7	.2	1.6	.1	1.1	.0	.4	.0	.1	.0	.0	.7	6.1	12.5
CALM	.4	3.5													.4	3.5	
TOTAL	1.0	8.6	6.0	52.1	2.0	17.6	1.5	12.9	.8	6.5	.2	2.1	.0	.2	11.6	100	11.3

MSN MADISON, WI

CLASS 4 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 4 / DAY

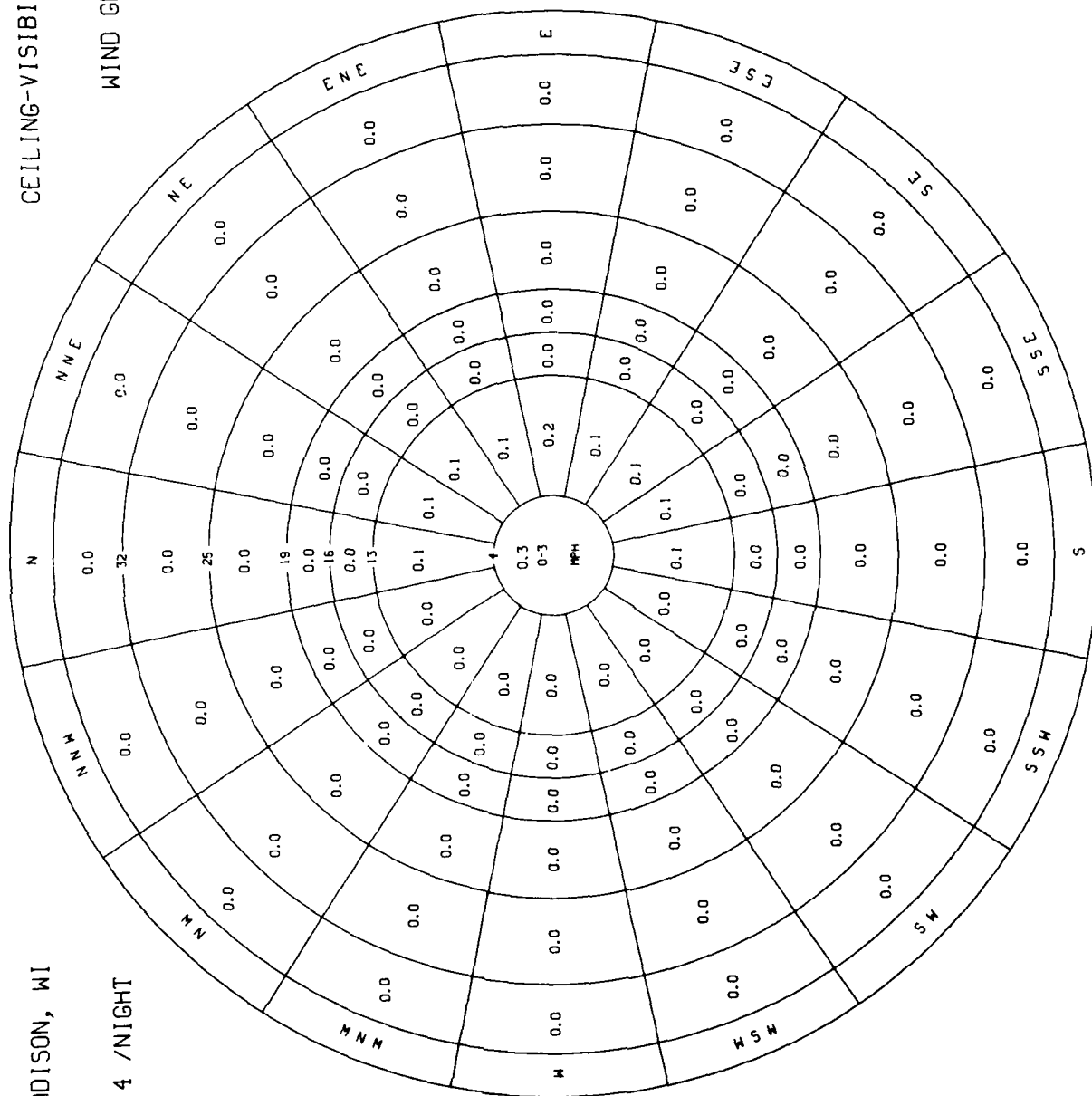
STATION NUMBER: 14837

NO. OBS.: 733

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	4.2	.0	.4	.0	1.0	.0	.8	.0	.3	.0	.0	.1 6.8
NNE	.0	.4	.1	3.8	.0	1.1	.0	1.1	.0	.5	.0	.7	.0	.4	.1 8.0
NNE	.0	.3	.1	4.8	.0	1.8	.0	1.1	.0	.8	.0	.5	.0	.1	.1 9.4
ENE	.0	1.1	.1	5.2	.0	.5	.0	.4	.0	.4	.0	.4	.0	.0	.1 8.0
E	.0	.4	.1	5.7	.0	1.2	.0	.8	.0	.1	.0	.1	.0	.0	.1 8.5
ESE	.0	.8	.1	4.6	.0	.8	.0	.7	.0	.3	.0	.0	.0	.0	.1 7.2
SE	.0	.3	.1	5.3	.0	1.0	.0	.7	.0	.1	.0	.0	.0	.0	.1 7.4
SSE	.0	.8	.1	4.2	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.1 6.1
S	.0	.7	.1	7.1	.0	1.4	.0	.8	.0	.4	.0	.0	.0	.0	.2 10.4
SSW	.0	.1	.1	3.8	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.1 5.0
SW	.0	.1	.0	2.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
WSW	.0	.0	.0	1.0	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0 1.6
W	.0	.3	.0	1.4	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0 2.2
WNW	.0	.1	.0	1.9	.0	.1	.0	.1	.0	.1	.0	.1	.0	.0	.0 2.6
NW	.0	.4	.0	1.5	.0	.4	.0	.3	.0	.1	.0	.4	.0	.3	.1 3.4
NNW	.0	.5	.0	2.0	.0	.5	.0	.7	.0	.5	.0	.3	.0	.0	.1 4.6
CALM	.1	6.0													.1 6.0
TOTAL	.2	12.6	.9	58.7	.2	11.9	.1	8.7	.1	4.5	.0	2.9	.0	.8	1.5 10.2

CEILING-VISIBILITY WIND GRAPH

MSN MADISON, WI
CLASS 4 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 4 / NIGHT

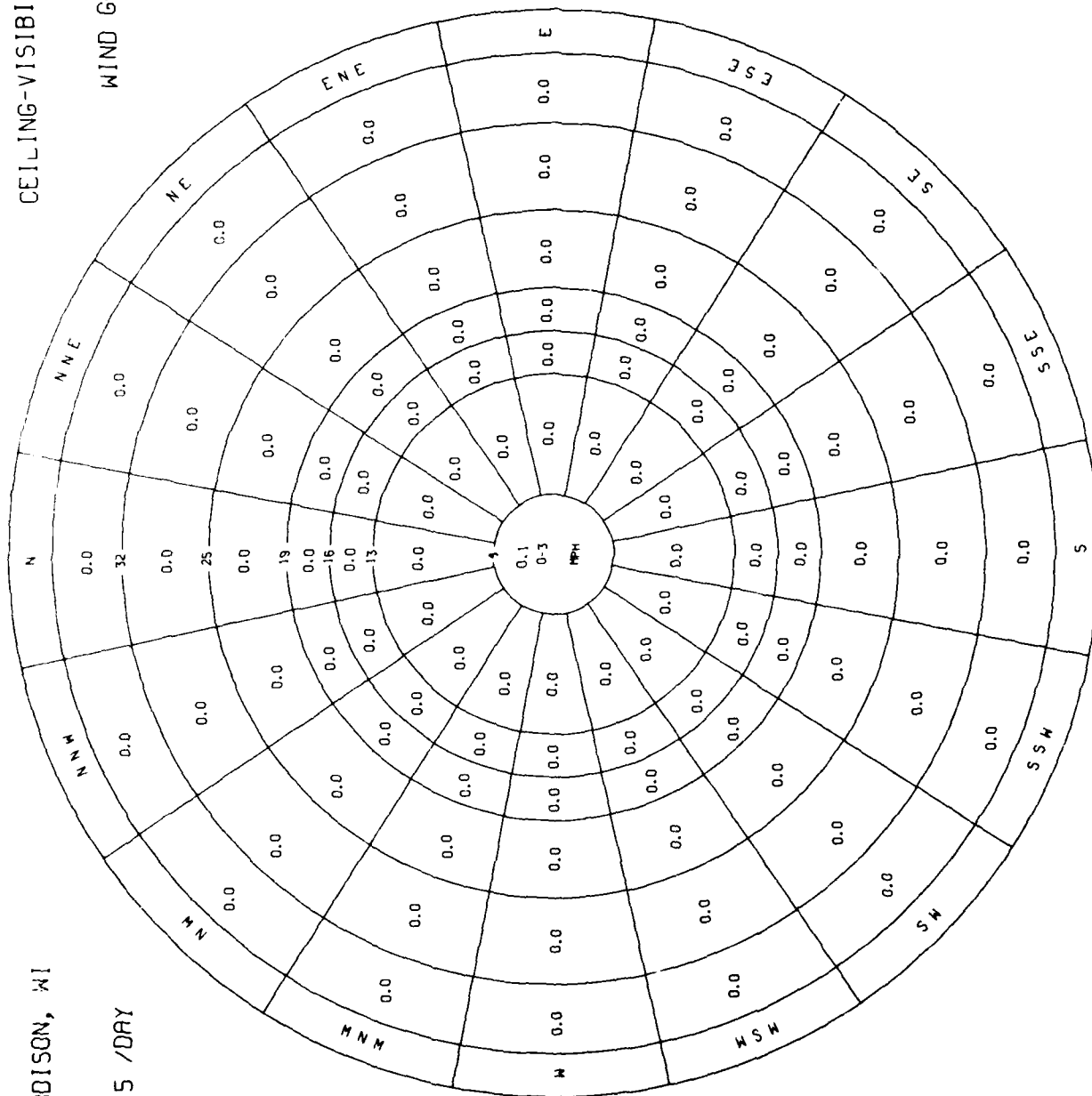
STATION NUMBER: 14837

NO. OBS.: 768

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	.1	4.7	.0	.9	.0	1.0	.0	.4	.0	.3	.0	.0	.1 7.9
NNE	.0	.4	.1	4.2	.0	.9	.0	.5	.0	.4	.0	.4	.0	.1	.1 6.9
NENE	.0	.5	.1	4.6	.0	.7	.0	.7	.0	.3	.0	.1	.0	.0	.1 6.8
ENE	.0	.7	.1	7.9	.0	.7	.0	.5	.0	.3	.0	.1	.0	.0	.2 10.2
E	.0	.7	.2	9.0	.0	.8	.0	.5	.0	.1	.0	.1	.0	.0	.2 11.2
ESE	.0	.4	.1	5.7	.0	.8	.0	.5	.0	.1	.0	.0	.0	.0	.1 7.6
SE	.0	.5	.1	5.2	.0	.8	.0	.8	.0	.3	.0	.0	.0	.0	.1 7.6
SSE	.0	.9	.1	2.9	.0	.7	.0	.5	.0	.1	.0	.0	.0	.0	.1 5.1
S	.0	.8	.1	6.0	.0	1.2	.0	1.0	.0	.0	.0	.0	.0	.0	.2 9.0
SSW	.0	.1	.0	2.7	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.5
SW	.0	.5	.0	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.0
WSW	.0	.3	.0	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.0
W	.0	.1	.0	1.8	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0 2.2
WNW	.0	.0	.0	1.8	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0 2.2
NW	.0	.4	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NNW	.0	1.2	.0	2.2	.0	.1	.0	.3	.0	.1	.0	.1	.0	.1	.1 4.2
CALM	.1	7.6													.1 7.6
TOTAL	.3	15.6	1.2	65.0	.2	8.7	.1	6.5	.0	2.3	.0	1.4	.0	.4	1.8 100
															8.7

CEILING-VISIBILITY WIND GRAPH

MSN MADISON, WI
CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 14837

NO. OBS.: 220

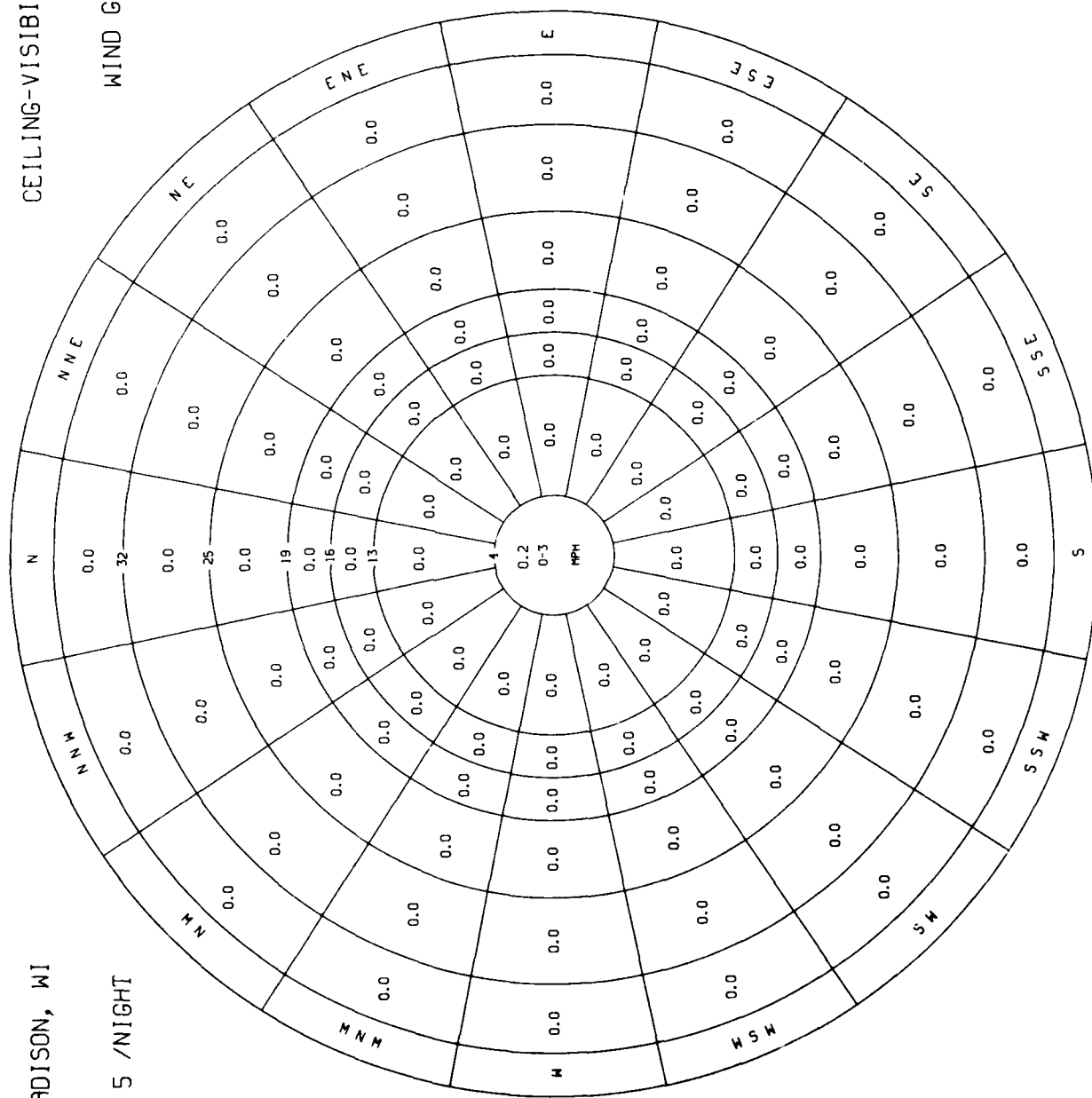
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.0	2.3	.0	2.3	.0	1.8	.0	.0	.0	1.4	.0	.0	.0	.0	.0	7.7
NNE	.0	.9	.0	3.2	.0	.5	.0	.0	.0	.5	.0	.5	.0	.0	.0	5.5
NE	.0	.5	.0	4.5	.0	.0	.0	.5	.0	.5	.0	.0	.0	.9	.0	6.8
ENE	.0	.5	.0	4.1	.0	.5	.0	.5	.0	.9	.0	.9	.0	.0	.0	7.3
E	.0	1.4	.0	10.0	.0	.5	.0	1.4	.0	.0	.0	.0	.0	.0	.1	13.2
ESE	.0	.5	.0	5.5	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	7.7
SE	.0	1.4	.0	4.5	.0	.0	.0	.9	.0	.0	.0	.5	.0	.0	.0	6.8
SSE	.0	1.4	.0	2.7	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	5.5
S	.0	1.4	.0	8.2	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.1	11.4
SSW	.0	.9	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
SW	.0	.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
WSW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
W	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	1.8
WNW	.0	.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.8
NW	.0	.5	.0	1.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7
NNW	.0	.5	.0	1.8	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	2.7
CALM	.0	10.9													.0	10.9
TOTAL	.1	23.6	.3	57.3	.0	6.8	.0	4.5	.0	3.6	.0	2.7	.0	1.4	.5	100
																8.6

CEILING-VISIBILITY

WIND GRAPH

MSN MADISON, WI

CLASS 5 /NIGHT



ANNUAL

PERIOD: 1948-1978

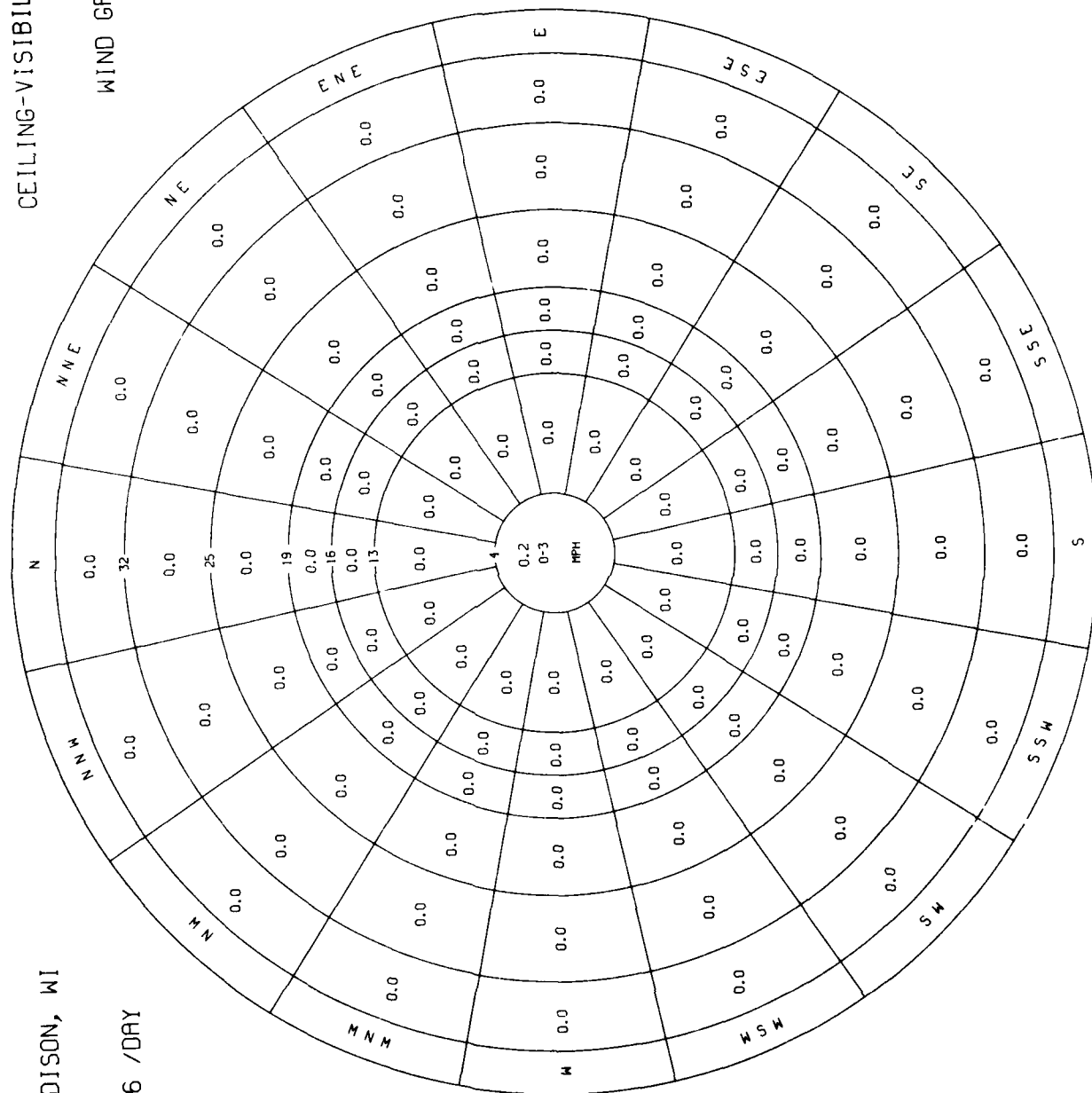
CLASS 5 / NIGHT

NO.	OBS.:	232
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3	100	100
4	100	100
5	100	100
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7	100	100
8	100	100
9	100	100
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12	100	100
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16	100	100
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93	100	100
94	100	100
95	100	100
96	100	100
97	100	100
98	100	100
99	100	100
100	100	100

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	6.9	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	9.1	7.1
NNE	.0	.4	.0	2.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	3.0	11.1
NENE	.0	.4	.0	6.5	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	7.8	8.3
ENE	.0	1.7	.0	5.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	7.1
E	.0	1.3	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	6.1
ESE	.0	1.3	.0	5.2	.0	1.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	8.2	8.8
SE	.0	1.7	.0	4.3	.0	.4	.0	1.3	.0	.9	.0	.0	.0	.0	.0	8.6	9.5
SSE	.0	.4	.0	3.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.2	9.0
S	.0	1.3	.0	6.0	.0	.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	8.6	8.9
SSW	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.3
SW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.8
WSW	.0	.9	.0	.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.2	6.6
W	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.3
WNW	.0	.9	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.2	8.0
NW	.0	1.3	.0	2.2	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	4.3	8.1
NNW	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.5
CALM	.1	17.7													.1	17.7	
TOTAL	.2	32.8	.3	56.0	.0	4.3	.0	3.9	.0	1.7	.0	1.3	.0	.0	.5	100	6.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 14837

NO. OBS.: 235

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	C	D			
N	.0	1.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	3.8	8.9
NNE	.0	1.7	.0	1.3	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	3.8	9.0
NE	.0	3.0	.0	3.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	6.8	6.8
ENE	.0	.9	.0	2.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.8	6.6
E	.0	.4	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.0
ESE	.0	2.1	.0	6.0	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	9.4	7.1
SE	.0	.0	.0	8.1	.0	.9	.0	.0	.0	.4	.0	.0	.0	.0	.0	9.4	8.9
SSE	.0	.9	.0	5.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	7.6
S	.0	3.4	.0	8.1	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.1	12.3	7.0
SSW	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	8.6
SW	.0	.0	.0	1.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.1	9.2
WSW	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.5
W	.0	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.5
WNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.0
NW	.0	1.7	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	5.1	10.2
NNW	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	3.8	7.4
CALM	.1	23.0													.1	23.0	
TOTAL	.2	40.9	.2	50.6	.0	3.0	.0	1.7	.0	1.7	.0	.9	.0	1.3	.5	100	5.9

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MSN MADISON, WI

PERIOD: 1948-1978

CLASS 6 / NIGHT

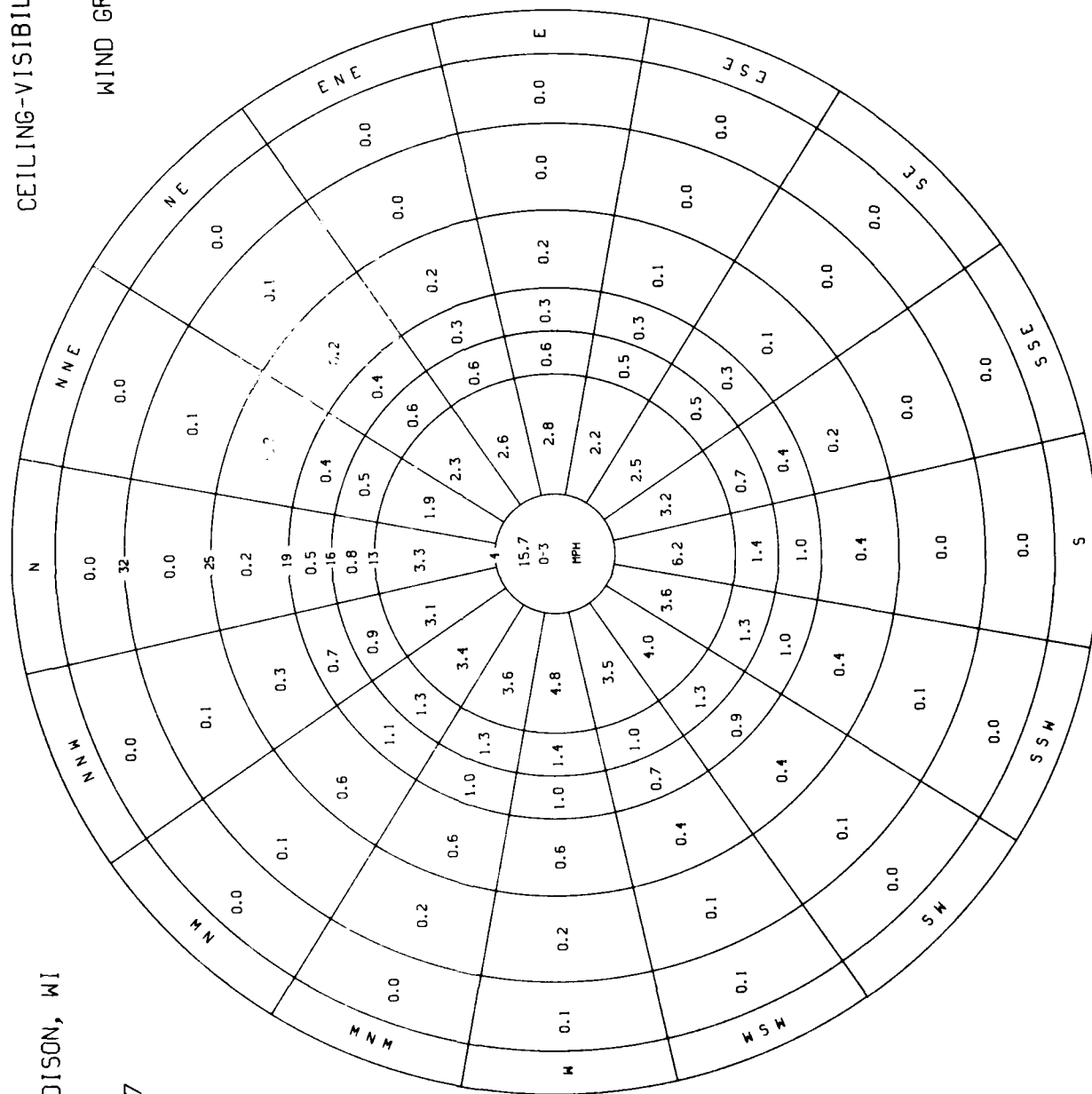
STATION NUMBER: 14837

NO. OBS.: 370

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	1.9	.0	4.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	6.6
NNE	.0	1.9	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.6
NE	.0	3.2	.0	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.9	4.8
ENE	.0	1.9	.0	3.2	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	5.7	6.4
E	.0	3.0	.0	3.8	.0	.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.1	7.6	5.7
ESE	.0	1.1	.0	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	6.3
SE	.0	1.6	.0	4.6	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	6.8	7.2
SSE	.0	1.4	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0	7.3
S	.0	1.9	.0	5.7	.0	.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.1	8.6	7.9
SSW	.0	.8	.0	2.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.2
SW	.0	.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.1
WSW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.5
W	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.5
WNW	.0	.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.8
NW	.0	1.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.4
NNW	.0	1.9	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.5
CALM	.3	29.2														.3	29.2	
TOTAL	.5	53.2	.4	41.9	.0	3.2	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.9	100	4.4

CEILING-VISIBILITY

WIND GRAPH

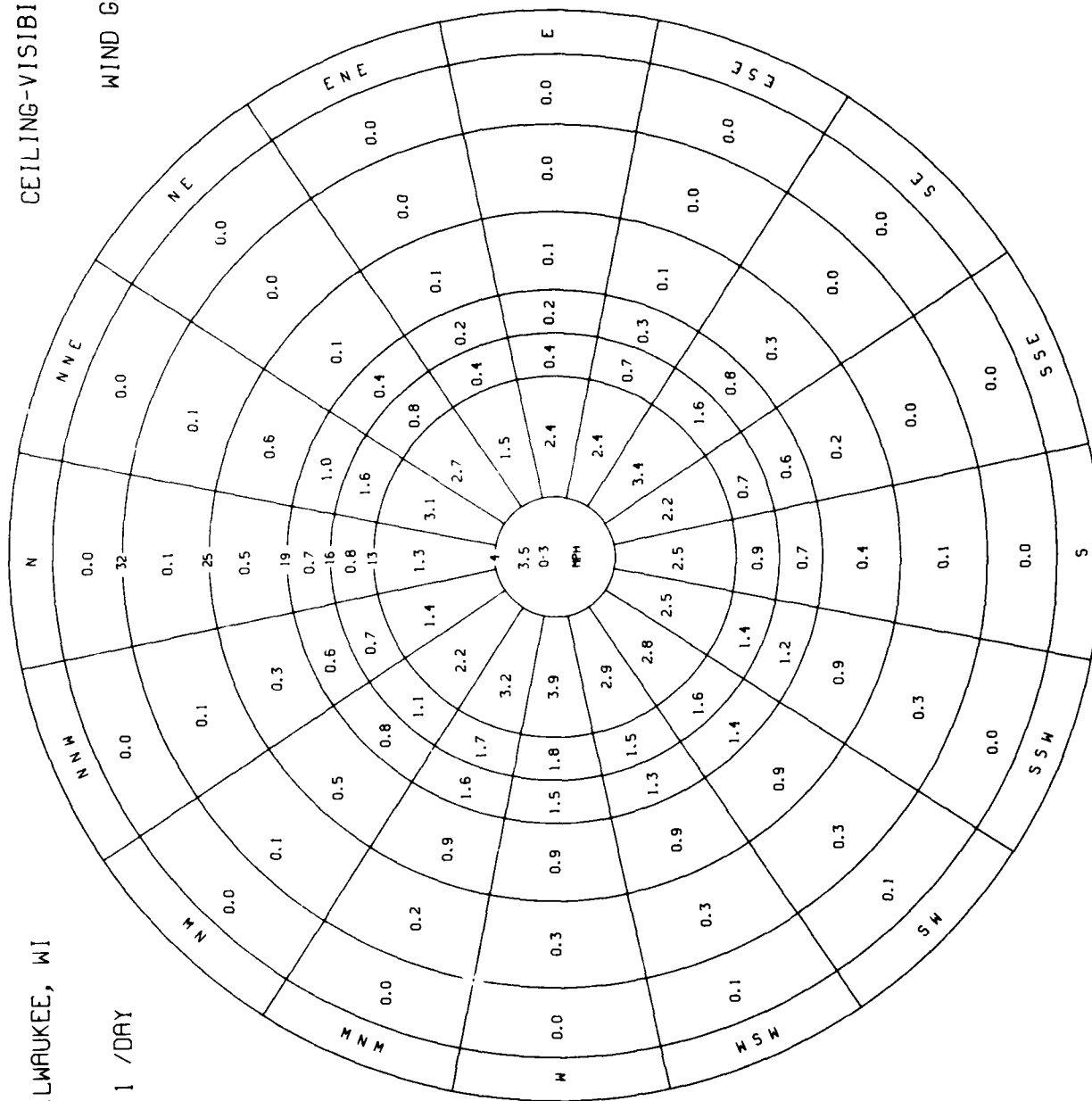


MKE MILWAUKEE, WI

WIND GRAPH

CLASS 1 /DAY

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: MKE MILWAUKEE, WI

CLASS 1 / DAY

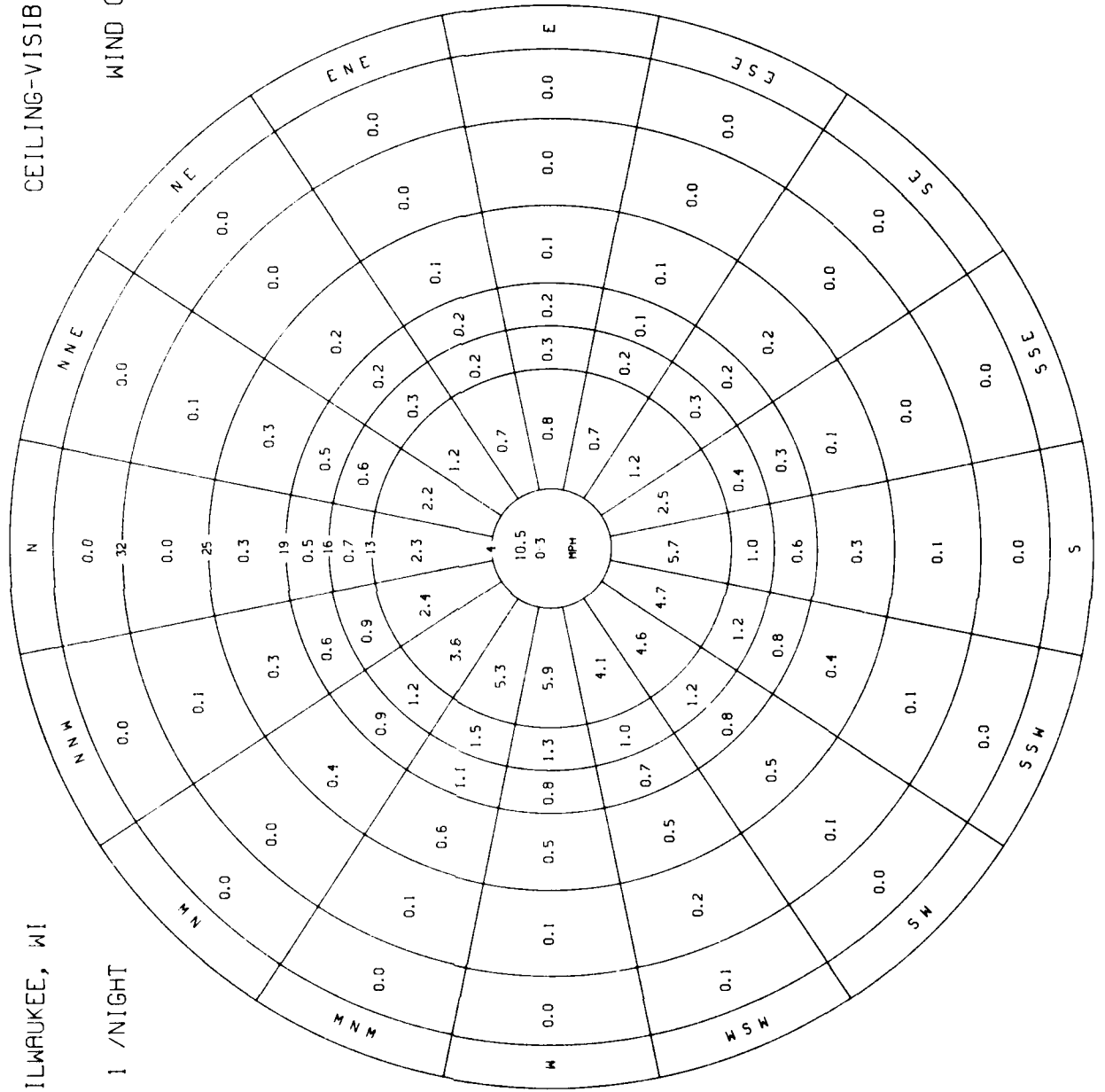
STATION NUMBER: 14839

NO. OBS.: 41085

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	1.3	1.5	.8	.9	.7	.8	.5	.6	.1	.1	.0	.0	3.5	4.1	13.8
NNE	.1	.1	3.1	3.7	1.6	1.9	1.0	1.2	.6	.7	.1	.2	.0	.0	6.7	7.8	13.0
NNE	.2	.2	2.7	3.2	.8	.9	.4	.5	.1	.2	.0	.0	.0	.0	4.3	5.0	10.9
ENE	.1	.1	1.5	1.8	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.3	2.7	10.6
E	.2	.2	2.4	2.8	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.2	3.8	9.9
ESE	.1	.2	2.4	2.8	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	3.6	4.2	10.7
SE	.2	.3	3.4	4.0	1.6	1.9	.8	.9	.3	.3	.0	.0	.0	.0	6.3	7.4	11.7
SSE	.2	.3	2.2	2.6	.7	.9	.6	.7	.2	.3	.0	.1	.0	.0	4.0	4.7	11.6
S	.3	.3	2.5	2.9	.9	1.1	.7	.9	.4	.5	.1	.1	.0	.0	5.0	5.9	12.2
SSW	.2	.2	2.5	2.9	1.4	1.7	1.2	1.4	.9	1.0	.3	.3	.0	.0	6.5	7.6	14.0
SW	.2	.3	2.8	3.3	1.6	1.8	1.4	1.7	.9	1.1	.3	.4	.1	.1	7.4	8.6	14.2
WSW	.2	.2	2.9	3.3	1.5	1.7	1.3	1.5	.9	1.1	.3	.4	.1	.2	7.2	8.4	14.2
W	.3	.3	3.9	4.6	1.8	2.1	1.5	1.8	.9	1.0	.3	.3	.0	.1	8.7	10.2	13.1
WNW	.1	.2	3.2	3.7	1.7	2.0	1.6	1.9	.9	1.1	.2	.3	.0	.0	7.9	9.2	13.8
NW	.2	.2	2.2	2.6	1.1	1.3	.8	1.0	.5	.6	.1	.1	.0	.0	4.9	5.7	12.9
NNW	.1	.1	1.4	1.6	.7	.9	.6	.7	.3	.3	.1	.1	.0	.0	3.2	3.7	13.0
CALM	.7	.8													.7	.8	
TOTAL	3.5	4.1	40.4	47.4	17.7	20.8	13.4	15.7	7.8	9.1	2.0	2.4	.4	.5	85.2	100	12.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

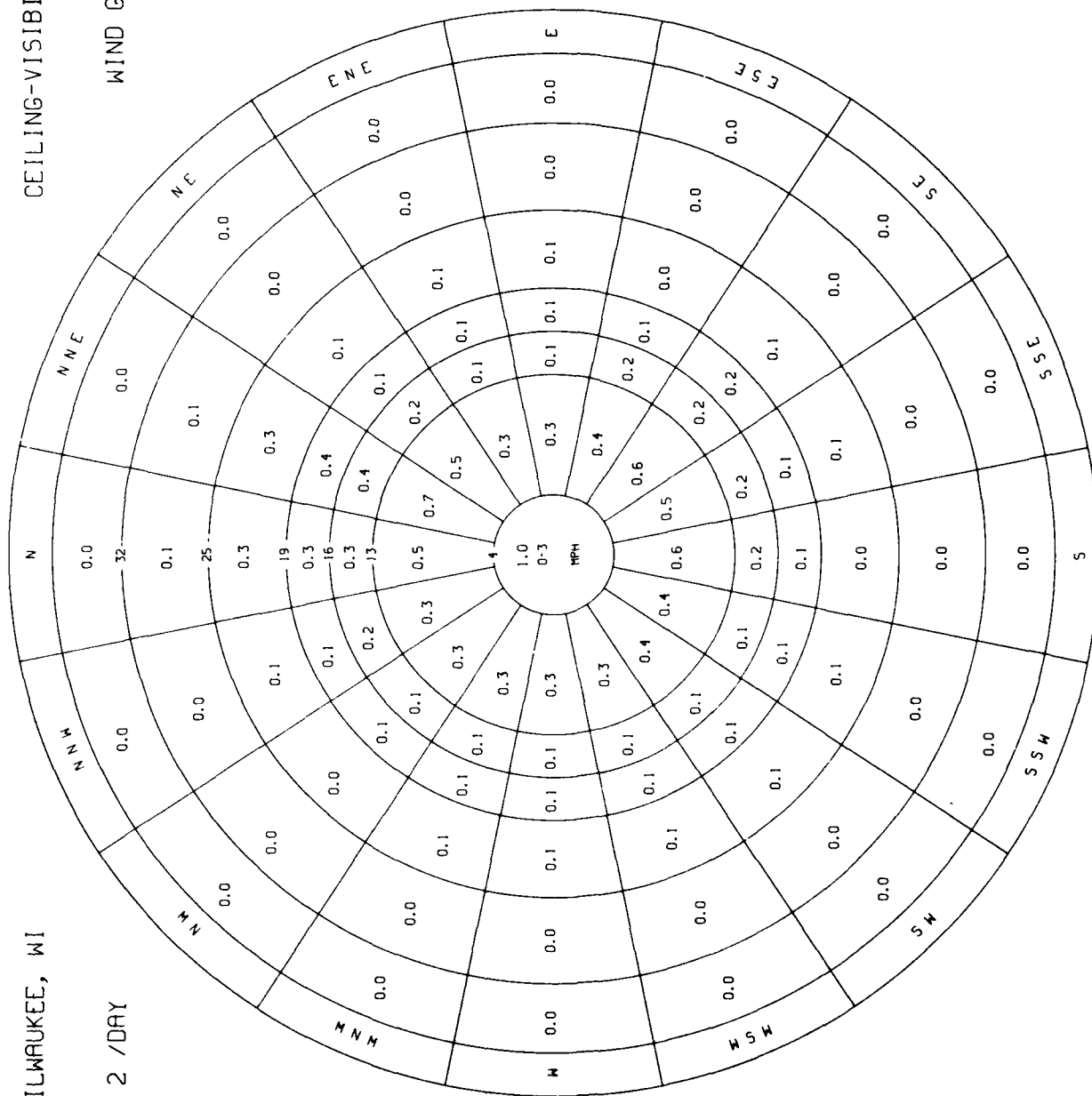
CLASS 1 / NIGHT

STATION NUMBER: 14839

NO. OBS.: 36027

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	.4	2.3	2.7	.7	.8	.5	.6	.3	.3	.0	.0	.0	.0	4.1	4.8	10.7
NNE	.3	.4	2.2	2.5	.6	.7	.5	.6	.3	.3	.1	.1	.0	.0	4.0	4.7	11.0
NE	.3	.3	1.2	1.4	.3	.3	.2	.3	.2	.2	.0	.0	.0	.0	2.2	2.6	10.5
ENE	.1	.1	.7	.8	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	1.2	1.4	11.3
E	.3	.3	.8	1.0	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.7	2.0	9.9
ESE	.2	.3	.7	.8	.2	.3	.1	.2	.1	.1	.0	.0	.0	.0	1.4	1.6	10.0
SE	.4	.5	1.2	1.4	.3	.4	.2	.2	.2	.2	.0	.0	.0	.0	2.3	2.7	10.0
SSE	.7	.8	2.5	2.9	.4	.5	.3	.3	.1	.2	.0	.0	.0	.0	4.0	4.7	8.6
S	1.1	1.3	5.7	6.7	1.0	1.2	.6	.7	.3	.4	.1	.1	.0	.0	8.7	10.3	9.2
SSW	.8	.9	4.7	5.5	1.2	1.4	.8	.9	.4	.5	.1	.1	.0	.0	8.1	9.5	10.5
SW	.8	.9	4.6	5.4	1.2	1.4	.8	1.0	.5	.6	.1	.2	.0	.1	8.1	9.5	10.8
WSW	.8	.9	4.1	4.8	1.0	1.1	.7	.8	.5	.5	.2	.2	.1	.1	7.2	8.4	10.8
W	.9	1.0	5.9	6.9	1.3	1.5	.8	1.0	.5	.6	.1	.2	.0	.0	9.6	11.3	10.3
WNW	.5	.5	5.3	6.3	1.5	1.8	1.1	1.3	.6	.7	.1	.1	.0	.0	9.1	10.8	11.2
NW	.4	.4	3.6	4.2	1.2	1.4	.9	1.0	.4	.4	.0	.1	.0	.0	6.4	7.6	11.4
NNW	.2	.3	2.4	2.8	.9	1.0	.6	.7	.3	.4	.1	.1	.0	.0	4.5	5.3	11.7
CALM	2.4	2.8													2.4	2.8	
TOTAL	10.5	12.3	47.7	56.1	12.2	14.4	8.5	10.0	4.8	5.7	1.1	1.2	.2	.3	85.0	100	10.2

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14839

NO. OBS.: 7111

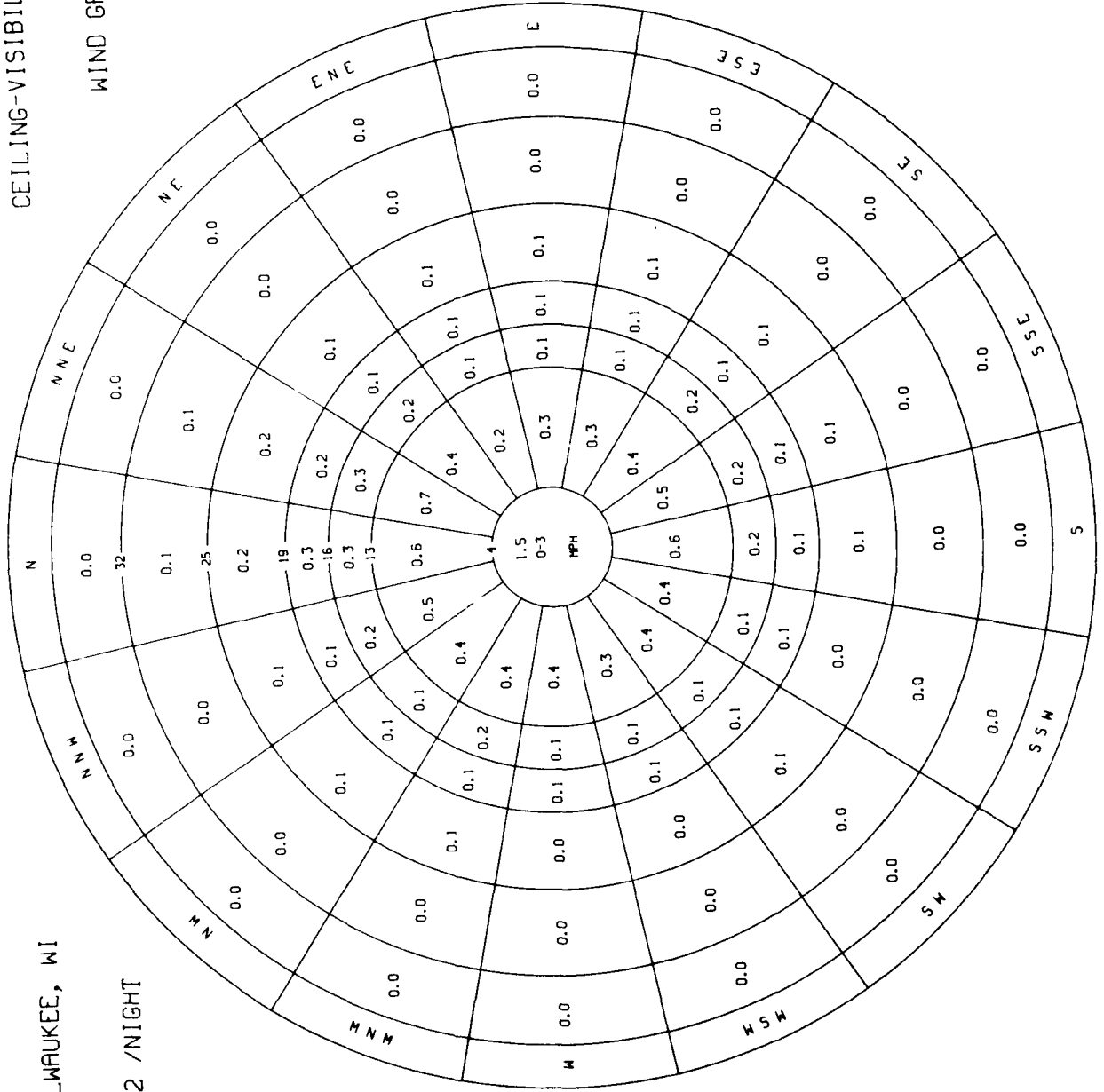
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.3	.5	3.6	.3	2.0	.3	2.2	.3	1.8	.1	.8	.0	.1	1.6	10.8	15.1
NNE	.1	.4	.7	4.9	.4	2.5	.4	2.6	.3	1.9	.1	.6	.0	.1	1.9	13.1	14.2
NE	.0	.3	.5	3.3	.2	1.2	.1	.9	.1	.7	.0	.2	.0	.0	1.0	6.7	12.5
ENE	.0	.2	.3	2.0	.1	.5	.1	.5	.1	.8	.0	.3	.0	.0	.6	4.4	13.9
E	.0	.3	.3	2.2	.1	.7	.1	.7	.1	.5	.0	.2	.0	.0	.7	4.7	12.7
ESE	.0	.2	.4	2.9	.2	1.3	.1	.8	.0	.3	.0	.1	.0	.0	.8	5.6	12.1
SE	.1	.5	.6	3.8	.2	1.6	.2	1.2	.1	.6	.0	.2	.0	.0	1.2	7.9	12.1
SSE	.1	.4	.5	3.5	.2	1.3	.1	1.0	.1	.5	.0	.1	.0	.0	1.0	6.8	11.8
S	.1	.4	.6	4.0	.2	1.2	.1	.8	.0	.3	.0	.2	.0	.0	1.0	7.0	11.2
SSW	.0	.3	.4	2.9	.1	.8	.1	.6	.1	.4	.0	.1	.0	.0	.7	5.1	11.4
SW	.0	.3	.4	2.6	.1	.8	.1	.6	.1	.4	.0	.2	.0	.0	.7	4.9	11.9
WSW	.0	.3	.3	2.0	.1	.6	.1	.6	.1	.5	.0	.2	.0	.0	.6	4.2	12.7
W	.0	.3	.3	2.2	.1	.7	.1	.6	.1	.4	.0	.1	.0	.0	.6	4.3	11.6
WNW	.0	.3	.3	2.2	.1	.7	.1	.5	.1	.4	.0	.1	.0	.0	.6	4.1	11.8
NW	.1	.4	.3	2.1	.1	.7	.1	.7	.0	.3	.0	.1	.0	.0	.6	4.2	11.6
NNW	.0	.2	.3	2.1	.2	1.2	.1	.9	.1	.6	.0	.1	.0	.0	.8	5.1	13.0
CALM	.2	1.3													.2	1.3	
TOTAL	1.0	6.5	6.8	46.3	2.6	17.8	2.2	15.0	1.5	10.2	.5	3.6	.1	.5	14.8	100	12.6

CEILING-VISIBILITY

WIND GRAPH

MKE MILWAUKEE, WI

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14839

NO. OBS.: 6357

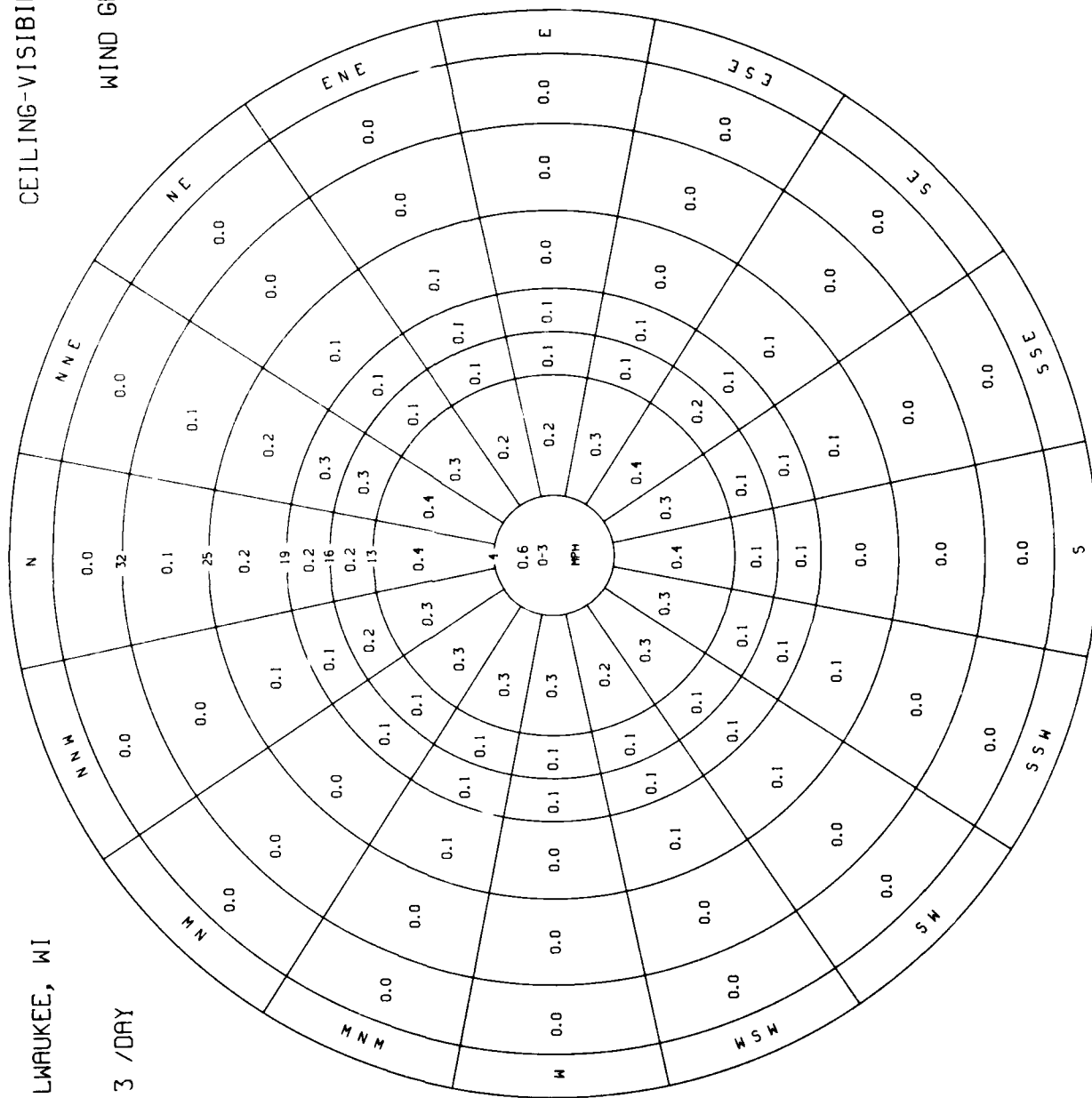
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.1	.5	.6	3.9	.3	2.0	.3	1.9	.2	1.5	.1	.5	.0	.2	1.6	10.6	14.2
NNE	.1	.6	.7	5.0	.3	2.0	.2	1.5	.2	1.5	.1	.8	.0	.1	1.7	11.5	13.5
NE	.1	.5	.4	2.7	.2	1.0	.1	1.0	.1	.8	.0	.3	.0	.0	.9	6.3	12.7
ENE	.0	.3	.2	1.4	.1	.8	.1	.6	.1	.5	.0	.1	.0	.0	.5	3.7	13.1
E	.0	.3	.3	2.0	.1	.9	.1	.9	.1	.6	.0	.2	.0	.0	.7	4.9	13.3
ESE	.0	.3	.3	1.9	.1	.8	.1	.6	.1	.5	.0	.2	.0	.0	.6	4.3	12.9
SE	.1	.6	.4	2.8	.2	1.1	.1	.8	.1	.6	.0	.2	.0	.0	.9	6.0	11.9
SSE	.1	1.0	.5	3.1	.2	1.0	.1	.7	.1	.5	.0	.0	.0	.0	.9	6.3	10.4
S	.1	.7	.6	4.3	.2	1.0	.1	.7	.1	.5	.0	.1	.0	.0	1.1	7.3	10.4
SSW	.1	.4	.4	2.8	.1	.7	.1	.5	.0	.2	.0	.1	.0	.1	.7	4.8	11.1
SW	.1	.7	.4	2.9	.1	.9	.1	.8	.1	.4	.0	.1	.0	.1	.9	5.8	11.3
WSW	.1	.4	.3	2.2	.1	.8	.1	.4	.0	.3	.0	.2	.0	.0	.6	4.3	11.5
W	.1	.4	.4	2.8	.1	.9	.1	.7	.0	.3	.0	.1	.0	.0	.8	5.4	11.2
WNW	.1	.4	.4	2.5	.2	1.0	.1	.7	.1	.4	.0	.1	.0	.0	.8	5.1	11.6
NW	.1	.5	.4	2.7	.1	.9	.1	.6	.1	.4	.0	.1	.0	.0	.8	5.0	11.2
NNW	.1	.6	.5	3.3	.2	1.4	.1	.9	.1	.6	.0	.2	.0	.0	1.0	6.9	11.8
CALM	.3	1.9													.3	1.9	
TOTAL	1.5	9.9	6.9	46.3	2.6	17.2	2.0	13.3	1.4	9.5	.5	3.2	.1	.7	15.0	100	11.9

CEILING-VISIBILITY

WIND GRAPH

MKE MILWAUKEE, WI

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: MKE MILWAUKEE, WI

CLASS 3 / DAY

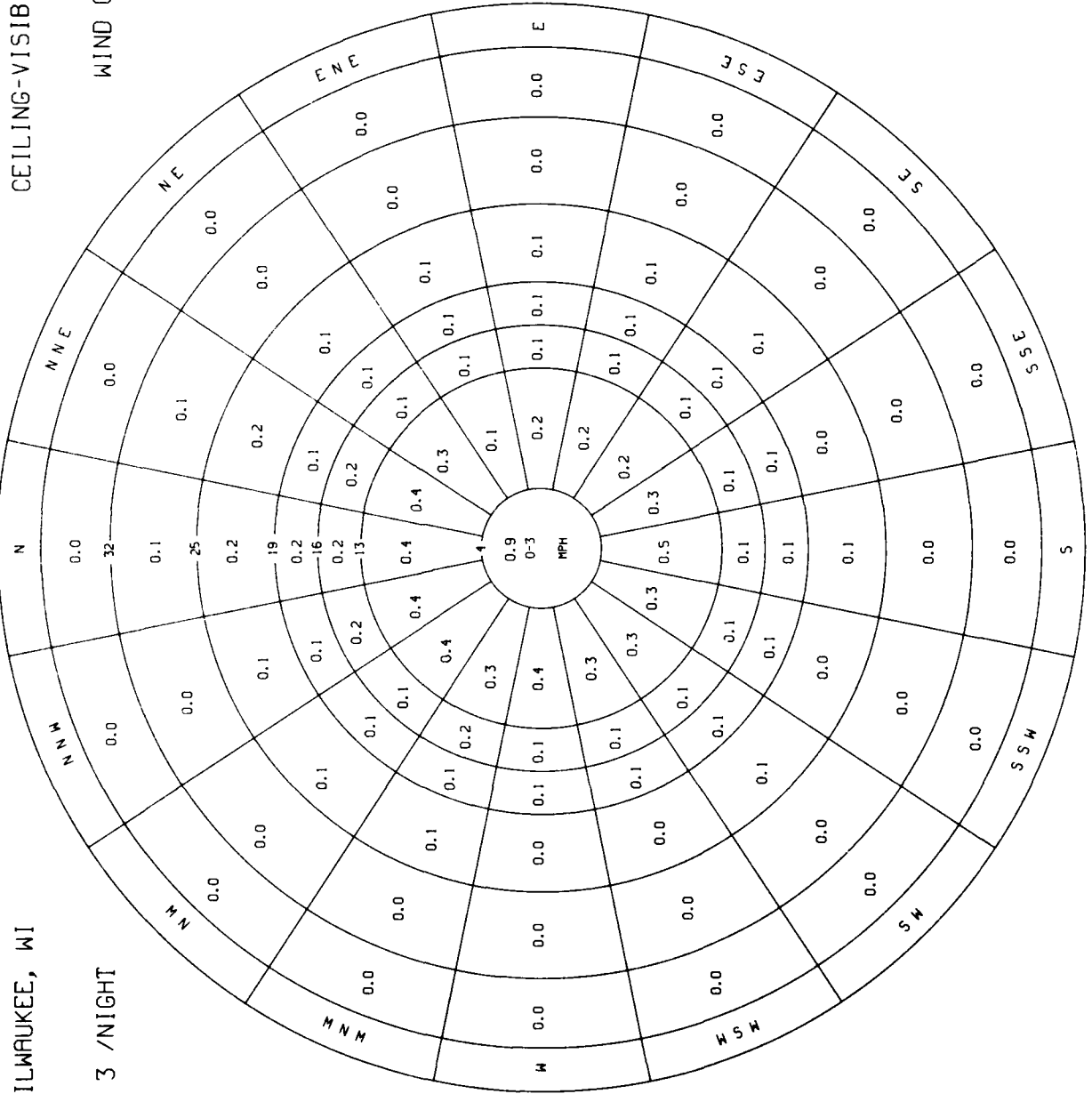
NO. OBS.: 5310

STATION NUMBER: 14839

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	3.6	.2	2.0	.2	2.2	.2	1.7	.1	.8	.0	.1	1.2	10.7
NNE	.0	.3	.4	4.1	.3	2.4	.3	2.4	.2	1.9	.1	.6	.0	.1	1.3	11.7
NNE	.0	.3	.3	2.7	.1	1.2	.1	1.0	.1	.7	.0	.1	.0	.0	.7	6.1
ENE	.0	.2	.2	1.9	.1	.5	.1	.5	.1	.9	.0	.2	.0	.0	.5	4.3
E	.0	.2	.2	2.0	.1	.6	.1	.9	.0	.5	.0	.2	.0	.0	.5	4.4
ESE	.0	.2	.3	2.6	.1	1.1	.1	.7	.0	.3	.0	.1	.0	.0	.5	4.9
SE	.0	.5	.4	3.2	.2	1.5	.1	1.0	.1	.5	.0	.2	.0	.0	.8	6.9
SSE	.0	.3	.3	3.1	.1	1.2	.1	.9	.1	.5	.0	.1	.0	.0	.7	6.2
S	.0	.4	.4	3.9	.1	1.3	.1	.9	.0	.4	.0	.2	.0	.0	.8	7.1
SSW	.0	.3	.3	3.1	.1	1.0	.1	.7	.1	.5	.0	.1	.0	.0	.6	5.7
SW	.0	.3	.3	3.0	.1	1.0	.1	.7	.1	.5	.0	.2	.0	.0	.6	5.6
WSW	.0	.3	.2	2.2	.1	.6	.1	.7	.1	.6	.0	.3	.0	.1	.5	4.8
W	.0	.2	.3	2.6	.1	.9	.1	.8	.0	.4	.0	.2	.0	.0	.6	5.1
WNW	.0	.4	.3	2.5	.1	.9	.1	.5	.1	.5	.0	.1	.0	.0	.5	5.0
NW	.0	.3	.3	2.3	.1	.9	.1	.8	.0	.3	.0	.1	.0	.0	.5	4.7
NNW	.0	.2	.3	2.4	.2	1.5	.1	1.1	.1	.7	.0	.2	.0	.0	.7	6.0
CALM	.1	1.0													.1	1.0
TOTAL	.6	5.5	5.0	45.2	2.0	18.6	1.7	15.9	1.2	10.8	.4	3.6	.0	.4	11.0	100
																12.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 3 / NIGHT

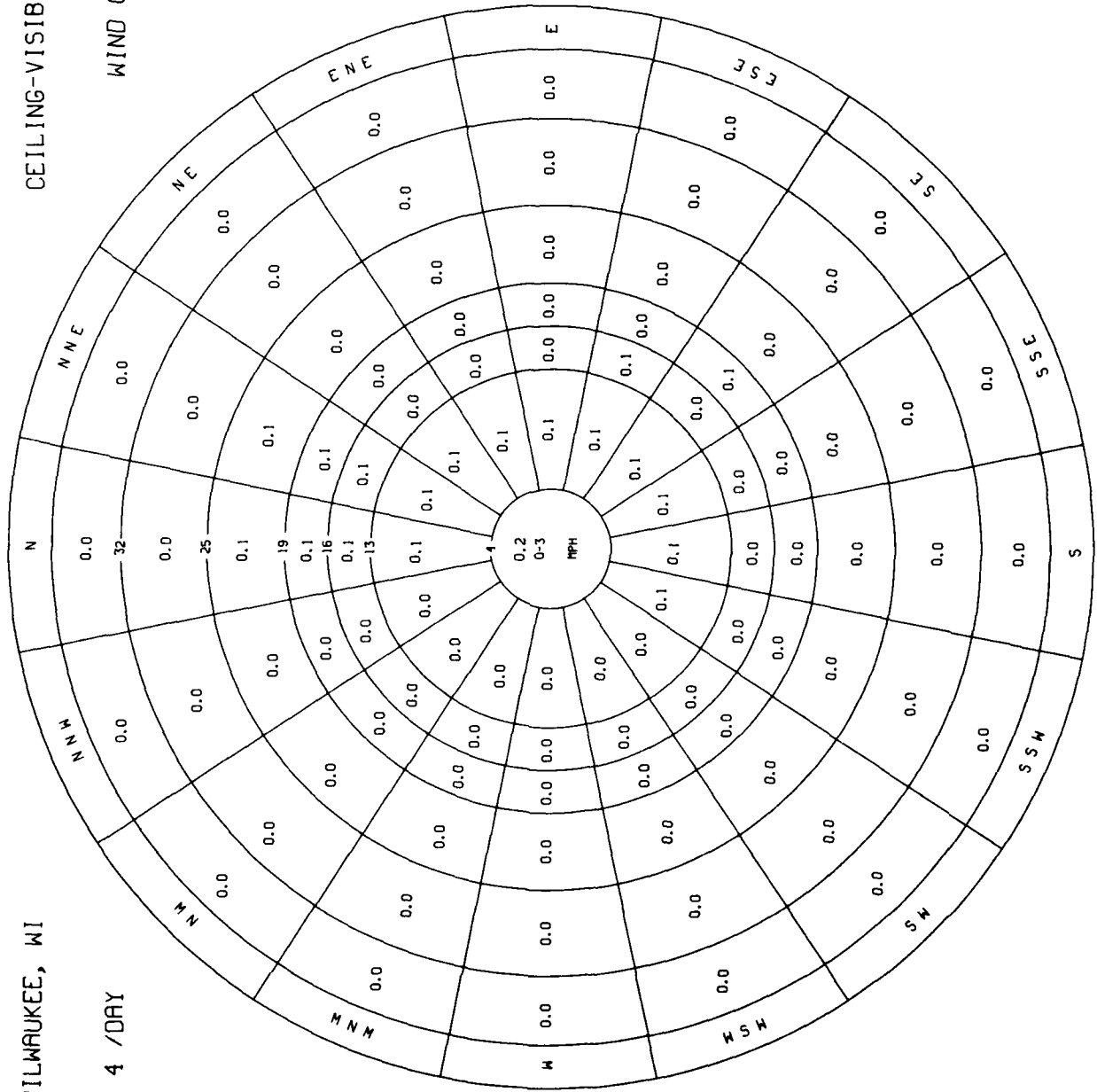
STATION NUMBER: 14839

NO. OBS.: 4695

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	.4	3.6	.2	2.2	.2	2.1	.2	1.7	.1	.6	.0	.2	1.2	10.7	14.9
NNE	.0	.4	.4	3.3	.2	2.0	.1	1.3	.2	1.5	.1	.9	.0	.1	1.1	9.6	14.8
NE	.0	.4	.3	2.3	.1	1.1	.1	1.1	.1	.9	.0	.3	.0	.0	.7	6.1	13.7
ENE	.0	.2	.1	1.2	.1	.8	.1	.6	.1	.6	.0	.2	.0	.0	.4	3.5	14.2
E	.0	.2	.2	1.6	.1	.8	.1	1.0	.1	.6	.0	.1	.0	.0	.5	4.3	13.8
ESE	.0	.2	.2	1.4	.1	.7	.1	.6	.1	.5	.0	.2	.0	.0	.4	3.5	13.6
SE	.0	.4	.2	2.0	.1	1.0	.1	.6	.1	.5	.0	.1	.0	.0	.5	4.7	12.5
SSE	.1	.8	.3	2.6	.1	1.0	.1	.5	.0	.4	.0	.0	.0	.0	.6	5.4	10.6
S	.1	.7	.5	4.1	.1	1.1	.1	.7	.1	.5	.0	.1	.0	.0	.8	7.3	10.7
SSW	.0	.3	.3	2.9	.1	.9	.1	.6	.0	.2	.0	.1	.0	.1	.6	5.2	11.8
SW	.1	.5	.3	2.9	.1	1.1	.1	1.0	.1	.5	.0	.2	.0	.1	.7	6.3	12.3
WSW	.0	.3	.3	2.4	.1	1.0	.1	.6	.0	.4	.0	.2	.0	.0	.5	5.0	12.3
W	.0	.4	.4	3.3	.1	1.2	.1	.9	.0	.4	.0	.2	.0	.0	.7	6.5	11.7
WNW	.0	.3	.3	3.1	.2	1.4	.1	.8	.1	.5	.0	.1	.0	.0	.7	6.2	11.9
NW	.1	.5	.4	3.3	.1	1.2	.1	.7	.1	.5	.0	.1	.0	.0	.7	6.2	11.5
NNW	.1	.6	.4	3.7	.2	1.8	.1	1.2	.1	.7	.0	.2	.0	.0	.9	8.2	12.1
CALM	.1	1.3													.1	1.3	
TOTAL	.9	7.7	4.8	43.6	2.1	19.3	1.6	14.5	1.2	10.5	.4	3.7	.1	.7	11.1	100	12.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 14839

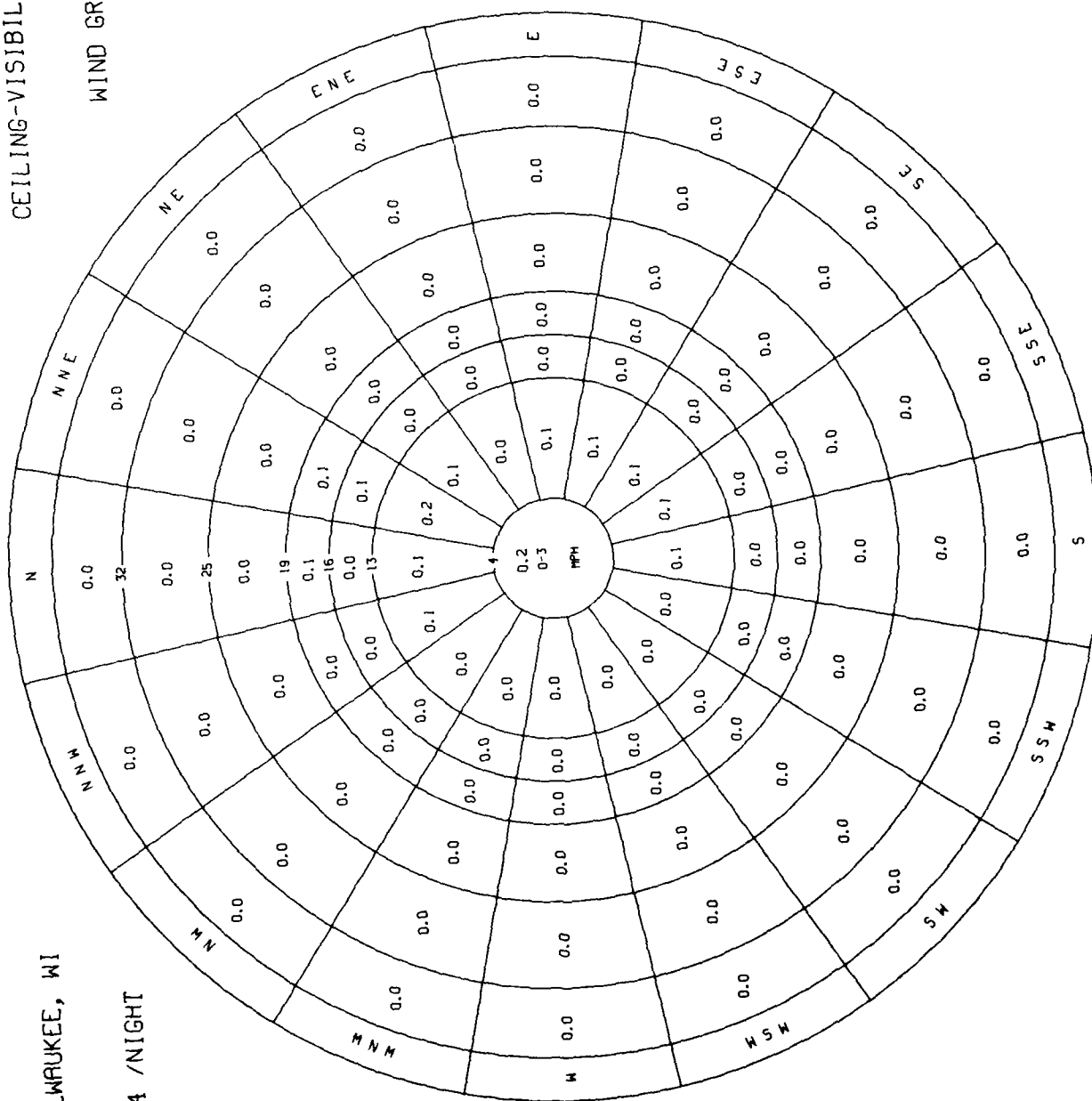
NO. OBS.: 1207

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	.6	.1	3.2	.1	2.3	.1	2.5	.1	2.4	.0	.9	.0	.2	.3	12.1	15.4
NNE	.0	.4	.1	5.7	.1	3.0	.1	4.1	.1	2.2	.0	.8	.0	.2	.4	16.5	14.9
NE	.0	.2	.1	4.2	.0	1.1	.0	.8	.0	1.2	.0	.5	.0	.0	.2	8.0	13.0
ENE	.0	.4	.1	2.2	.0	.9	.0	.7	.0	.5	.0	.5	.0	.0	.1	5.3	13.4
E	.0	.2	.1	2.8	.0	1.2	.0	.4	.0	.7	.0	.2	.0	.0	.1	5.6	12.6
ESE	.0	.2	.1	3.8	.1	2.2	.0	.9	.0	.5	.0	.3	.0	.2	.2	8.1	12.8
SE	.0	.6	.1	3.6	.0	1.5	.1	2.1	.0	1.0	.0	.3	.0	.0	.2	9.1	12.9
SSE	.0	.4	.1	4.1	.0	1.5	.0	1.2	.0	.7	.0	.2	.0	.0	.2	8.1	12.2
S	.0	.5	.1	4.7	.0	1.0	.0	.7	.0	.1	.0	.2	.0	.0	.2	7.1	10.5
SSW	.0	.2	.1	2.3	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.1	9.7
SW	.0	.5	.0	1.6	.0	.2	.0	.2	.0	.0	.0	.1	.0	.0	.1	2.6	9.1
WSW	.0	.2	.0	1.6	.0	.5	.0	.2	.0	.2	.0	.1	.0	.0	.1	2.7	11.3
W	.0	.5	.0	1.2	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.1	2.2	8.0
WNW	.0	.2	.0	1.2	.0	.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	1.8	10.7
NW	.0	.4	.0	1.4	.0	.2	.0	.7	.0	.2	.0	.2	.0	.0	.1	3.0	11.4
NNW	.0	.3	.0	1.7	.0	.5	.0	.2	.0	.4	.0	.1	.0	.0	.1	3.2	11.5
CALM	.0	1.4													.0	1.4	
TOTAL	.2	7.3	1.1	45.6	.4	16.5	.4	15.2	.3	10.4	.1	4.5	.0	.6	2.5	100	12.6

WIND GRAPH

MKE MILWAUKEE, WI

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14839

NO. OBS.: 934

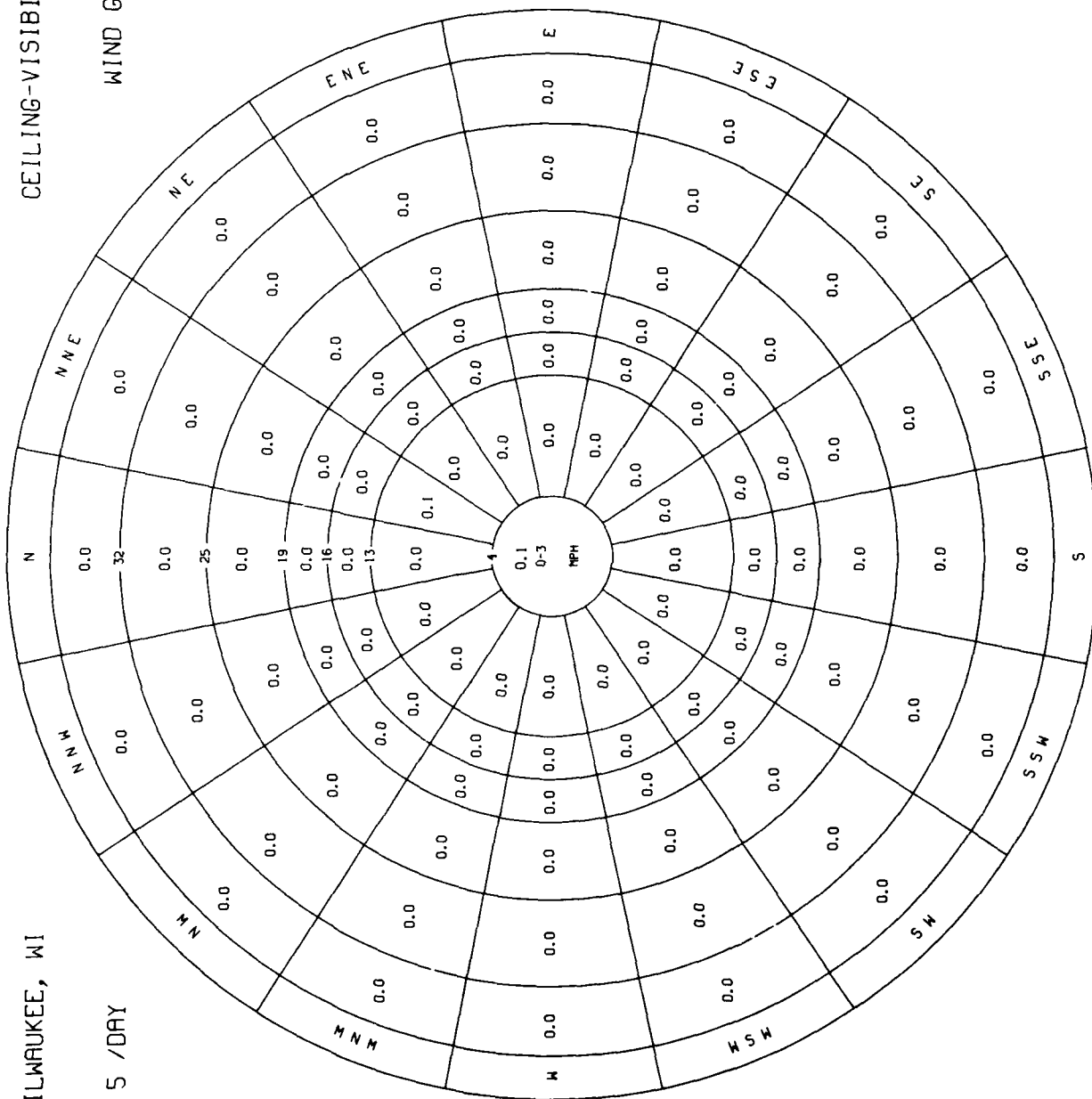
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.7	.1	4.5	.0	2.2	.1	2.4	.0	1.4	.0	.6	.0	.0	.3 11.9
NNE	.0	1.2	.2	9.5	.1	2.9	.1	3.1	.0	1.9	.0	.6	.0	.1	.4 19.4
NE	.0	.5	.1	4.1	.0	.6	.0	1.1	.0	.4	.0	.3	.0	.0	.2 7.1
ENE	.0	.4	.0	1.4	.0	.7	.0	1.4	.0	.5	.0	.0	.0	.0	.1 4.5
E	.0	.3	.1	3.0	.0	1.5	.0	1.0	.0	1.2	.0	.5	.0	.0	.2 7.5
ESE	.0	.3	.1	3.0	.0	1.4	.0	.7	.0	1.0	.0	.2	.0	.1	.1 6.7
SE	.0	.5	.1	4.2	.0	1.3	.0	1.3	.0	.9	.0	.2	.0	.0	.2 8.4
SSE	.0	.3	.1	4.2	.0	1.0	.0	1.6	.0	.7	.0	.0	.0	.0	.2 7.8
S	.0	.2	.1	3.7	.0	1.0	.0	.6	.0	.5	.0	.0	.0	.0	.1 6.1
SSW	.0	.5	.0	2.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.1
SW	.0	.5	.0	2.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.0
WSW	.0	.2	.0	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.6
W	.0	.1	.0	1.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.8
WNW	.0	.4	.0	1.0	.0	.0	.0	.5	.0	.2	.0	.1	.0	.0	.0 2.2
NW	.0	.2	.0	.9	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.0 1.7
NNW	.0	.5	.1	2.7	.0	.2	.0	.4	.0	.2	.0	.0	.0	.1	.1 4.2
CALM	.0	2.0													.0 2.0
TOTAL	.2	9.2	1.1	49.9	.3	13.9	.3	14.8	.2	9.1	.1	2.8	.0	.3	2.2 100 11.7

CEILING-VISIBILITY

WIND GRAPH

MKE MILWAUKEE, WI

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 14839

NO. OBS.: 291

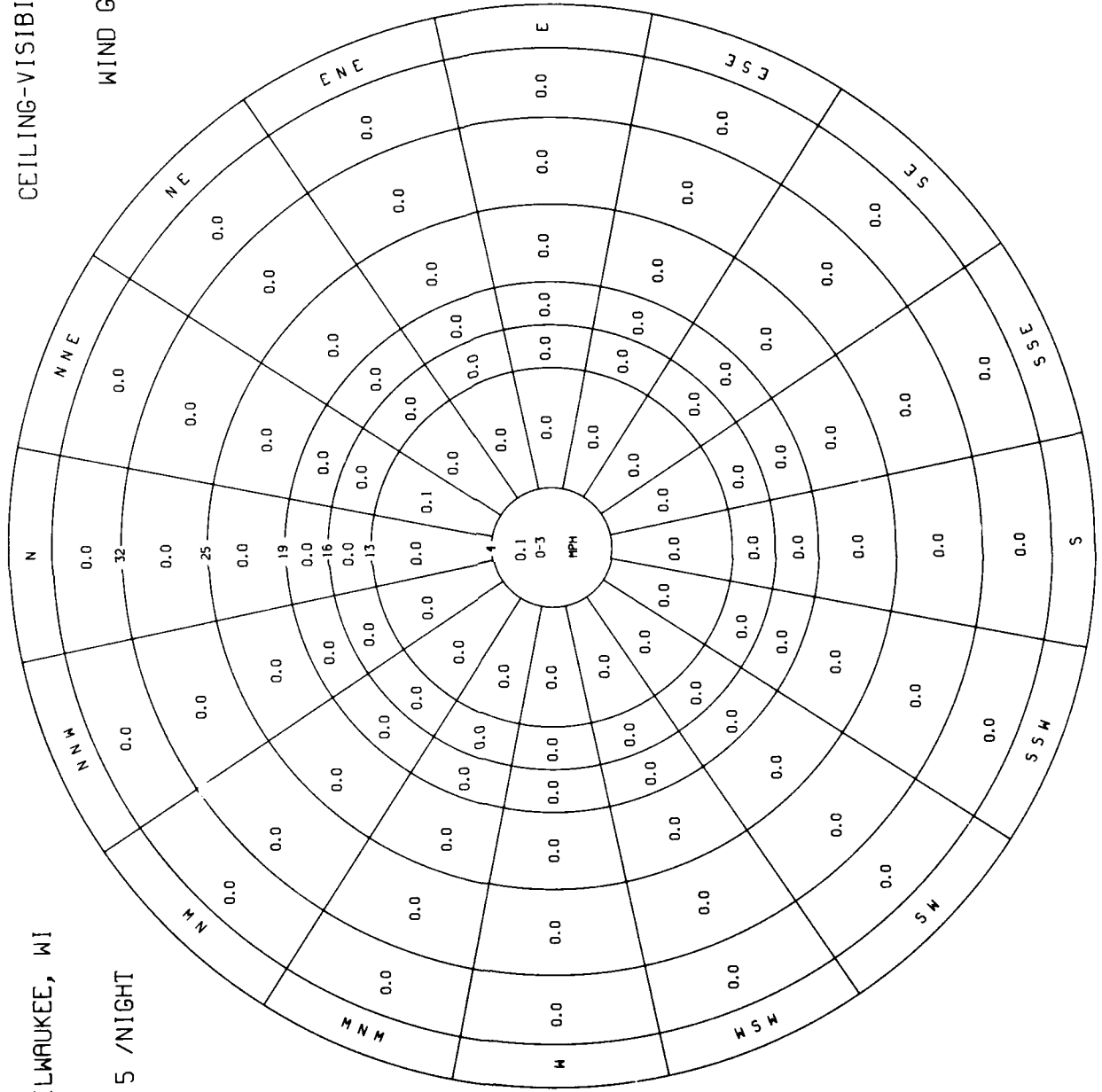
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.7	.0	5.2	.0	2.1	.0	1.7	.0	1.0	.0	1.4	.0	.3	.1 12.4
NNE	.0	2.4	.1	10.3	.0	3.1	.0	2.7	.0	1.7	.0	.3	.0	.3	.1 21.0
NE	.0	.0	.0	5.2	.0	2.1	.0	.3	.0	.3	.0	.3	.0	.3	.1 8.6
ENE	.0	.3	.0	2.1	.0	.3	.0	.0	.0	.0	.0	1.0	.0	.0	.0 3.8
E	.0	.7	.0	2.7	.0	.7	.0	.0	.0	1.0	.0	.0	.0	.0	.0 5.2
ESE	.0	.0	.0	2.7	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0 6.9
SE	.0	.3	.0	7.9	.0	3.1	.0	2.1	.0	.0	.0	.3	.0	.0	.1 13.7
SSE	.0	.3	.0	2.7	.0	2.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0 6.5
S	.0	.3	.0	2.7	.0	.3	.0	1.4	.0	.7	.0	.0	.0	.0	.0 5.5
SSW	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0 3.8
SW	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0 2.4
WSW	.0	.7	.0	1.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
W	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
WNW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
NW	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NNW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3	.0 1.4
CALM	.0	1.7													.0 1.7
TOTAL	.1	10.7	.3	50.5	.1	16.2	.1	11.7	.0	5.2	.0	4.5	.0	1.4	.6 100

CEILING-VISIBILITY

WIND GRAPH

MKE MILWAUKEE, WI

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14839

NO. OBS.: 315

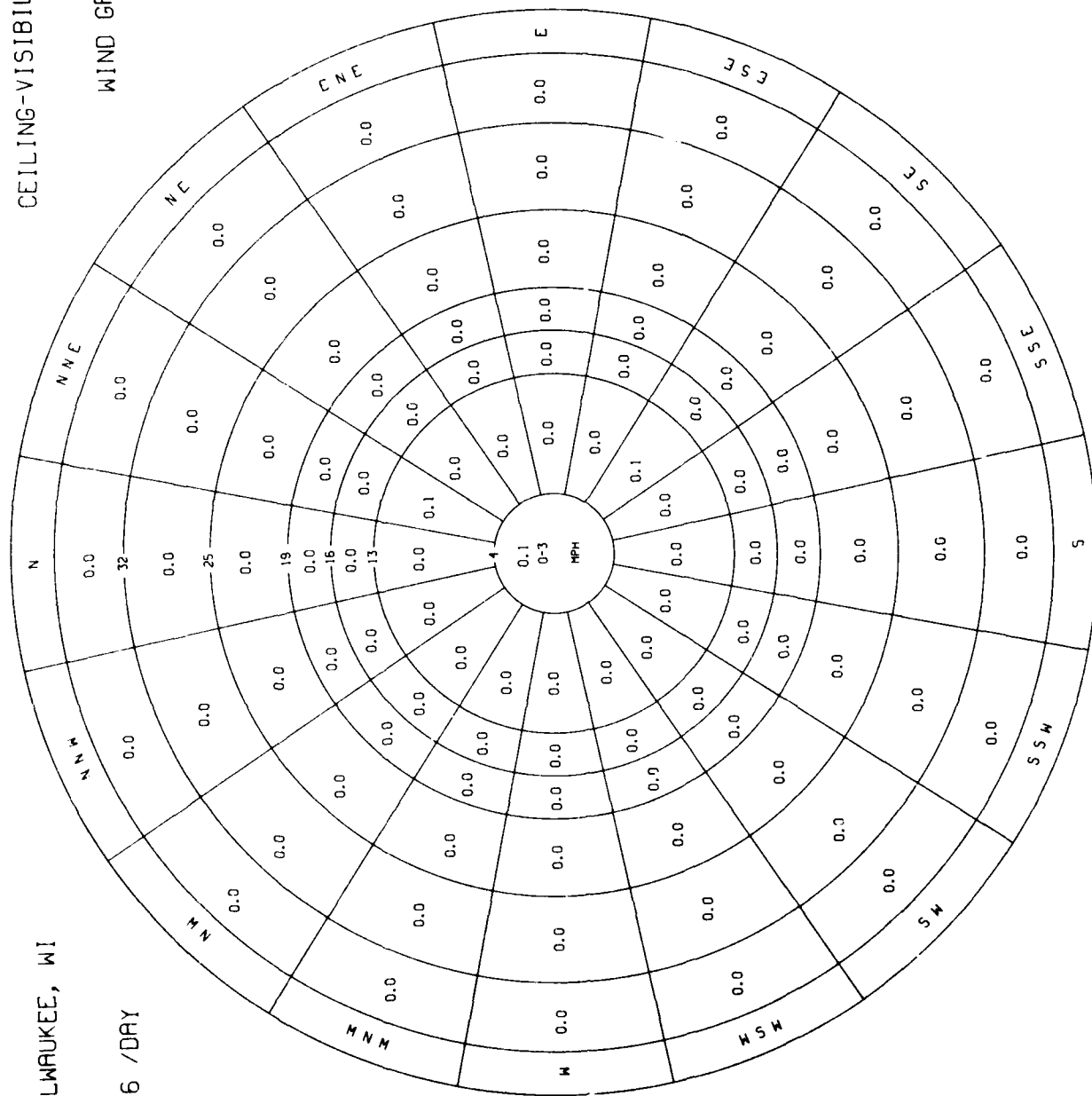
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	.6	.0	6.7	.0	.6	.0	.6	.0	.6	.0	.3	.0	.3	.1	9.8	11.0		
NNE	.0	1.3	.1	8.9	.0	1.9	.0	.6	.0	1.9	.0	.3	.0	.6	.1	15.6	11.8		
NE	.0	1.3	.0	4.8	.0	1.0	.0	.0	.0	.6	.0	.0	.0	.0	.1	7.6	8.6		
ENE	.0	.3	.0	1.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.9	8.1		
E	.0	1.6	.0	2.2	.0	1.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	5.4	8.5		
ESE	.0	1.0	.0	4.8	.0	2.2	.0	.3	.0	.0	.0	.3	.0	.0	.1	8.6	10.0		
SE	.0	1.3	.0	5.1	.0	1.9	.0	1.9	.0	.6	.0	.3	.0	.0	.1	11.1	11.6		
SSE	.0	2.2	.0	4.1	.0	1.6	.0	.0	.0	1.0	.0	.0	.0	.0	.1	8.9	9.5		
S	.0	1.3	.0	5.1	.0	.6	.0	1.3	.0	.0	.0	.0	.0	.0	.1	8.3	9.0		
SSW	.0	.3	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	4.8	10.2		
SW	.0	.6	.0	2.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.6	.0	4.4	11.6		
WSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	9.0		
W	.0	.3	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.0		
WNW	.0	.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.6		
NW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0		
NNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.4		
CALM	.0	3.8													.0	3.8			
TOTAL	.1	16.8	.4	58.1	.1	11.7	.0	5.1	.0	5.1	.0	1.3	.0	1.9	.7	100	9.6		

CEILING-VISIBILITY

WIND GRAPH

MKE MILWAUKEE, WI

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 6 / DAY

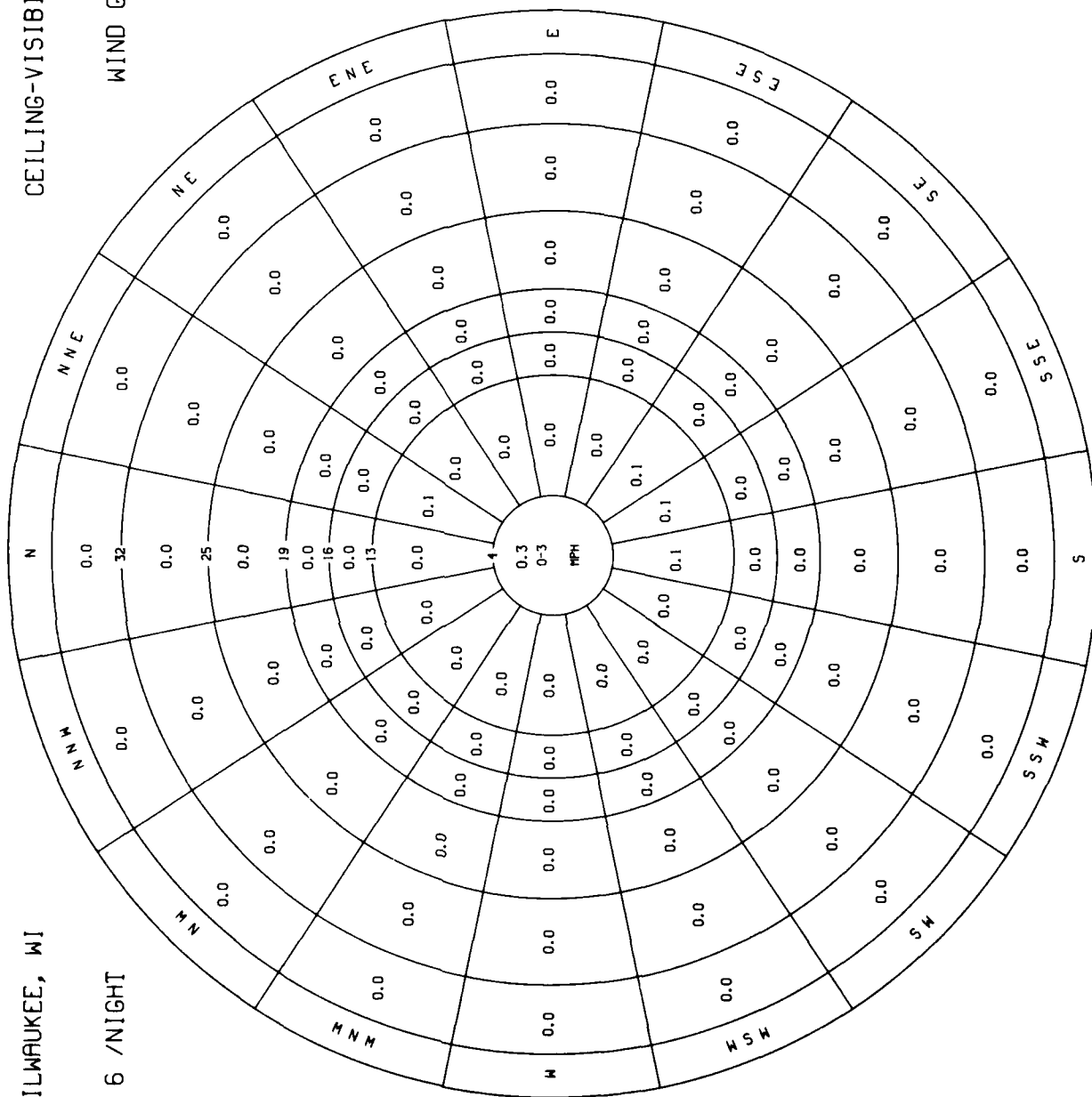
STATION NUMBER: 14839

NO. OBS.: 303

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	5.0	.0	.7	.0	.7	.0	.3	.0	.0	.0	.0	.0	7.3	9.7
NNE	.0	1.0	.1	11.6	.0	3.6	.0	1.0	.0	1.0	.0	.0	.0	.0	.1	18.2	9.8
NE	.0	1.0	.0	6.9	.0	.7	.0	.0	.0	.3	.0	.3	.0	.3	.1	9.6	9.7
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	2.6	12.1
E	.0	.7	.0	4.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.3
ESE	.0	.3	.0	4.6	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	5.6	9.2
SE	.0	1.7	.1	9.9	.0	2.0	.0	.0	.0	.7	.0	.0	.0	.0	.1	14.2	9.1
SSE	.0	2.3	.0	7.6	.0	1.0	.0	1.0	.0	.3	.0	.0	.0	.0	.1	12.2	8.9
S	.0	1.0	.0	4.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	7.8
SSW	.0	1.7	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.0
SW	.0	.3	.0	2.6	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	4.0	8.7
WSW	.0	.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.6
W	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.0
WNW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	12.0
NW	.0	.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	2.6	10.5
NNW	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.7
CALM	.0	5.3													.0	5.3	
TOTAL	.1	17.5	.4	64.0	.1	10.6	.0	3.0	.0	4.0	.0	.3	.0	.7	.6	100	8.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MKE MILWAUKEE, WI

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14839

NO. OBS.: 413

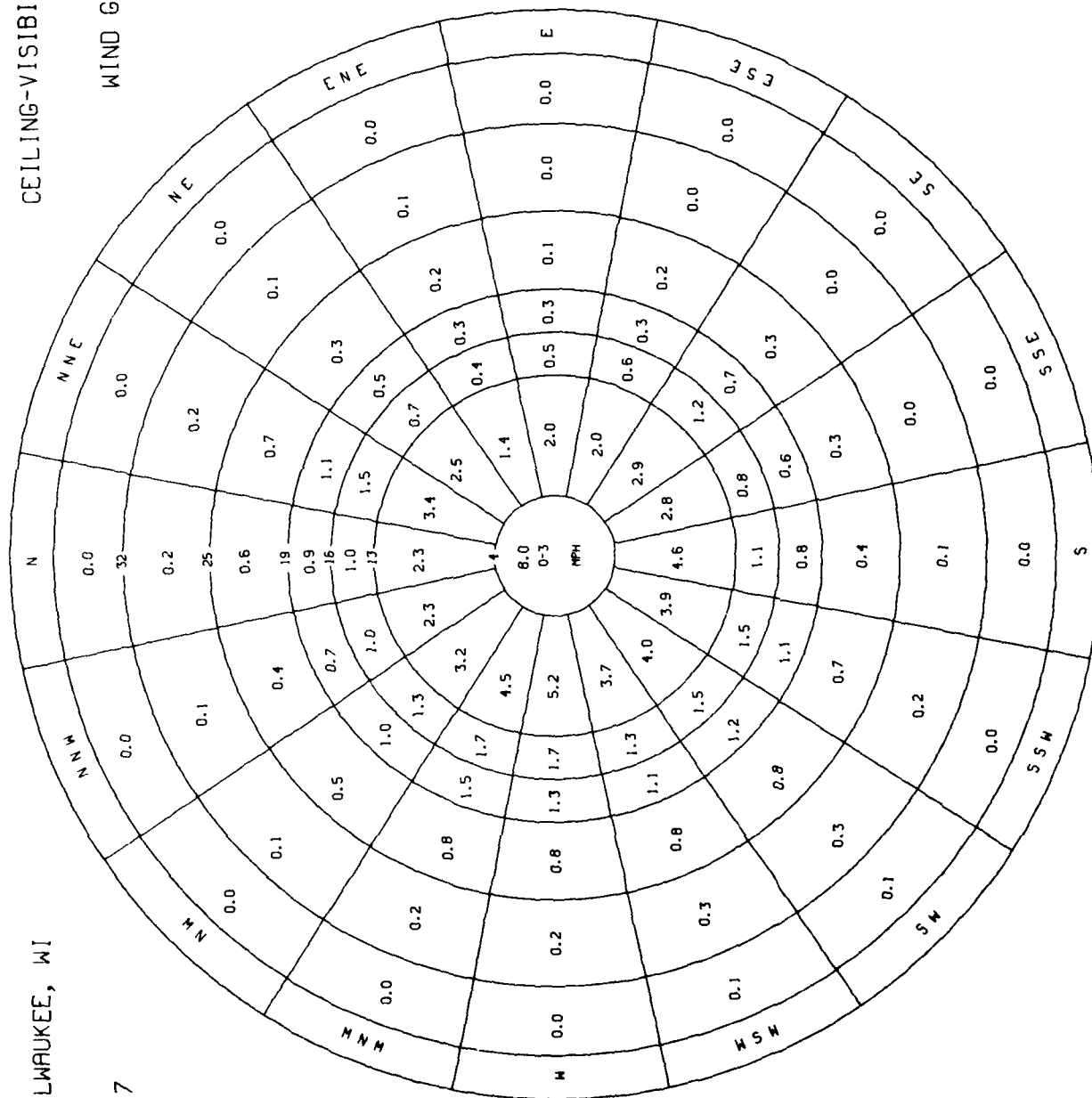
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.0	4.8	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.1 7.0
NNE	.0	1.9	.1	10.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1 12.8
NE	.0	1.5	.0	3.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.6
ENE	.0	1.0	.0	2.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
E	.0	.7	.0	3.4	.0	.2	.0	.0	.0	.5	.0	.0	.0	.0	.0 4.8
ESE	.0	.5	.0	2.9	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.0 4.4
SE	.0	1.7	.1	7.5	.0	.7	.0	.5	.0	.5	.0	.0	.0	.0	.1 10.9
SSE	.0	3.6	.1	5.6	.0	.5	.0	.7	.0	.5	.0	.0	.0	.0	.1 10.9
S	.0	1.2	.1	7.7	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1 9.4
SSW	.0	1.7	.0	2.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 4.6
SW	.0	3.4	.0	3.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 7.5
WSW	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
W	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
WNW	.0	1.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NW	.0	.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
NNW	.0	.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.1	7.0													.1 7.0
TOTAL	.3	31.0	.6	60.3	.0	4.1	.0	2.4	.0	2.2	.0	.0	.0	.0	1.0 100
															6.5

CEILING-VISIBILITY

WIND GRAPH

MKE MILWAUKEE, WI

CLASS 7



**DATA
FILM**