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NATIONAL CLIMATIC CENTER ASHEVILLE NC

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WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME I--ETC(U)
JUN 81 DOT-FA79WAI-057

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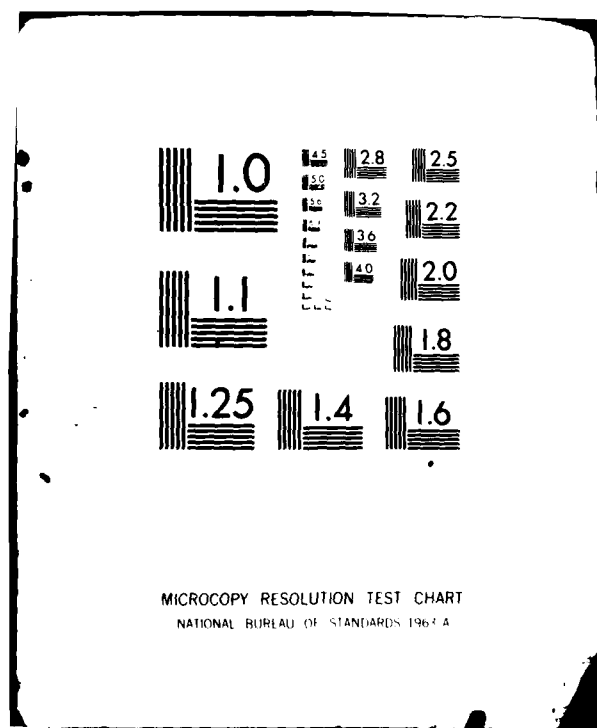
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WIND - CEILING - VISIBILITY

DATA

AT SELECTED AIRPORTS

VOLUME II PART B
EASTERN REGION



JANUARY 1981

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

PLANS DEVELOPMENT DIVISION
OFFICE OF AVIATION POLICY AND PLANS

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16. Abstract This report provides summary tables and graphic wind roses depicting wind direction and speed under specific ceiling - visibility conditions at 283 airports. This data will be used in the application of FAA's establishment criteria for precision and non-precision approach and landing aids.			
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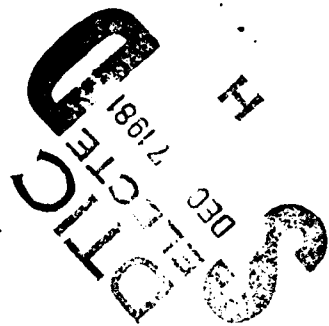
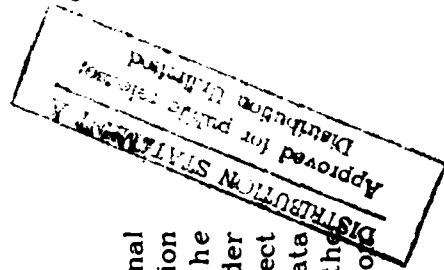
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Interagency Agreement DOT-FA79WAI-057

WIND-CEILING-VISIBILITY
DATA
AT SELECTED AIRPORTS

January 1981

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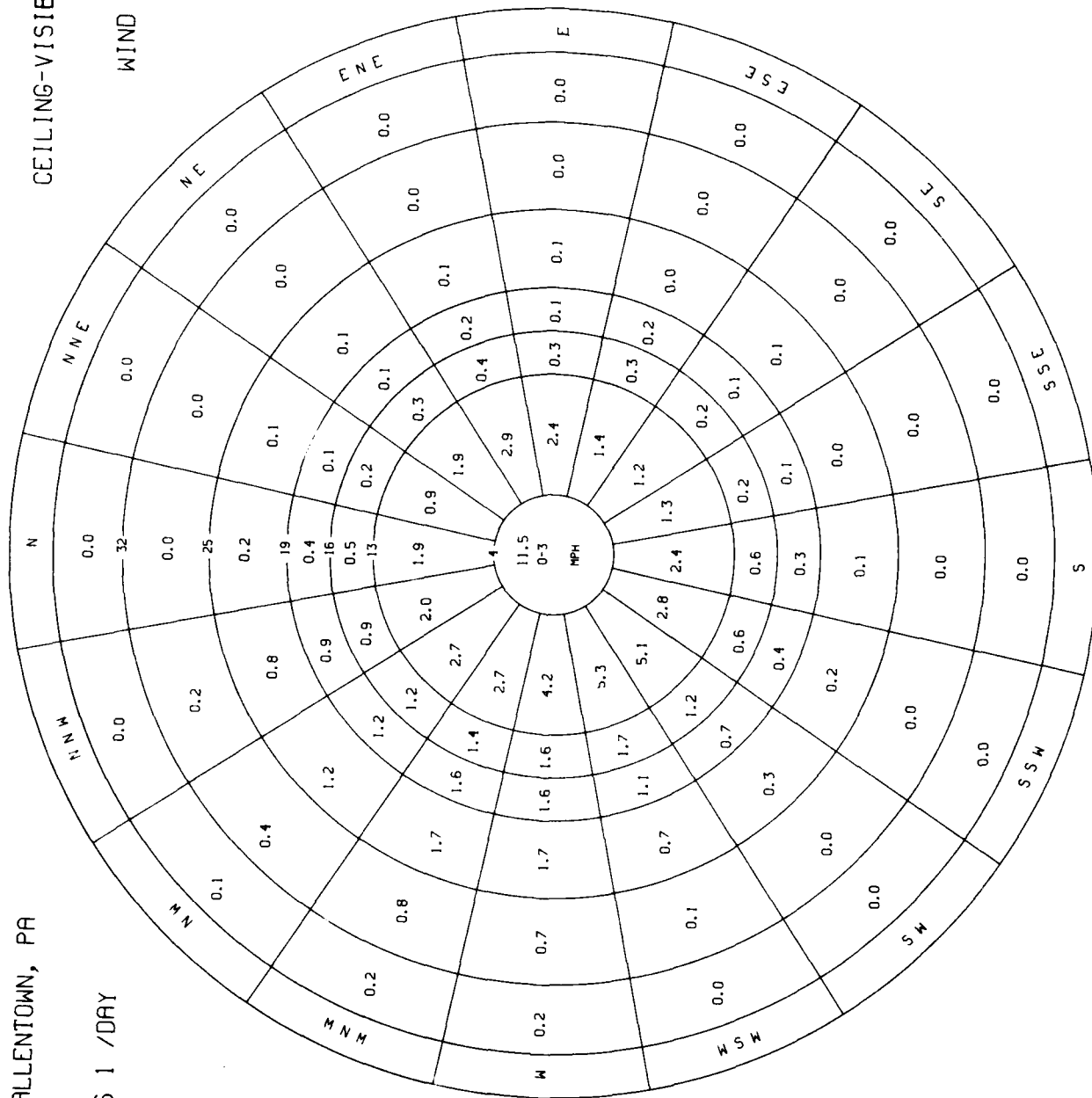


ABE ALLENTOWN, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

CLASS 1 / DAY

STATION NUMBER: 14737

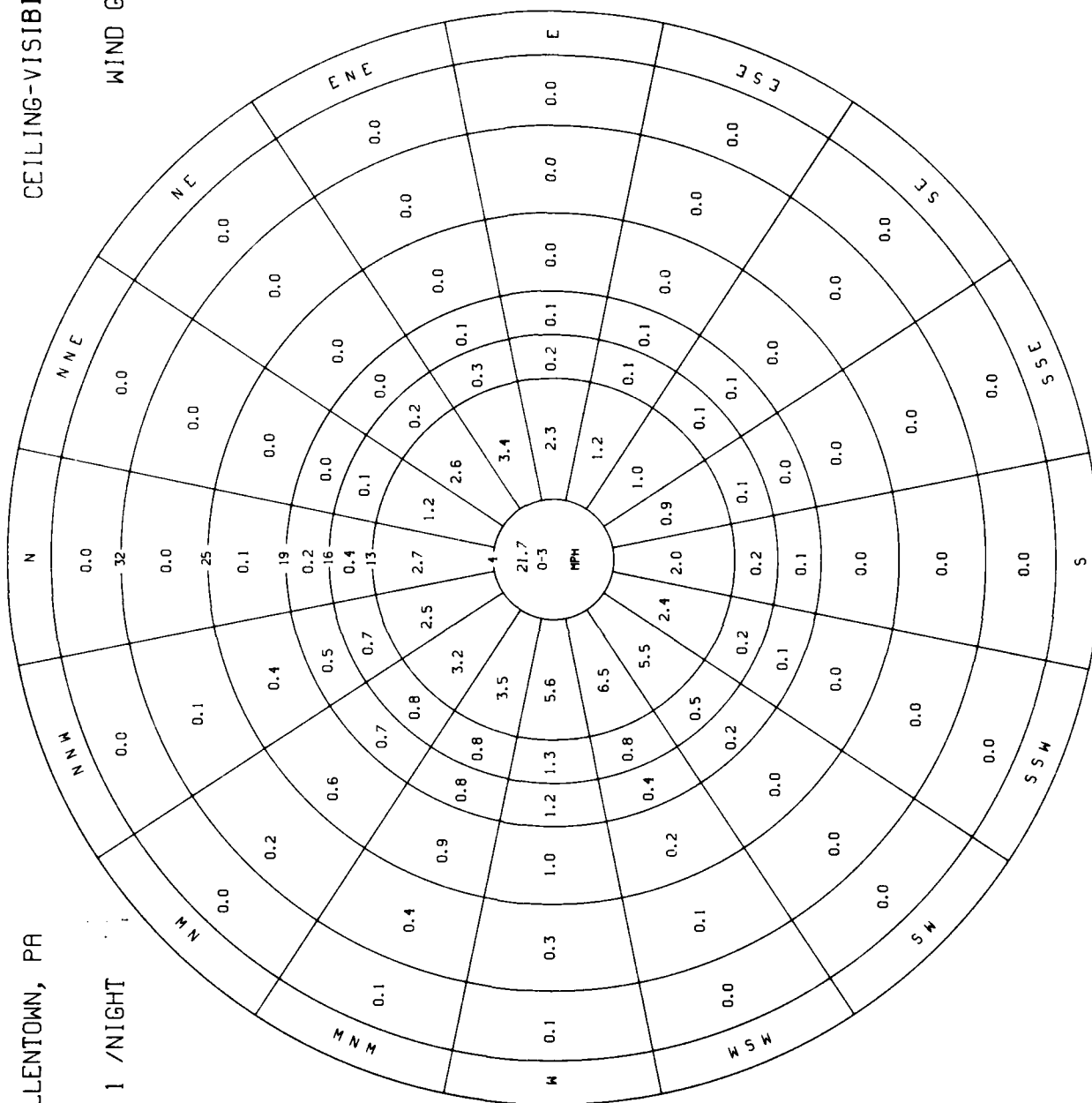
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CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 1 / NIGHT

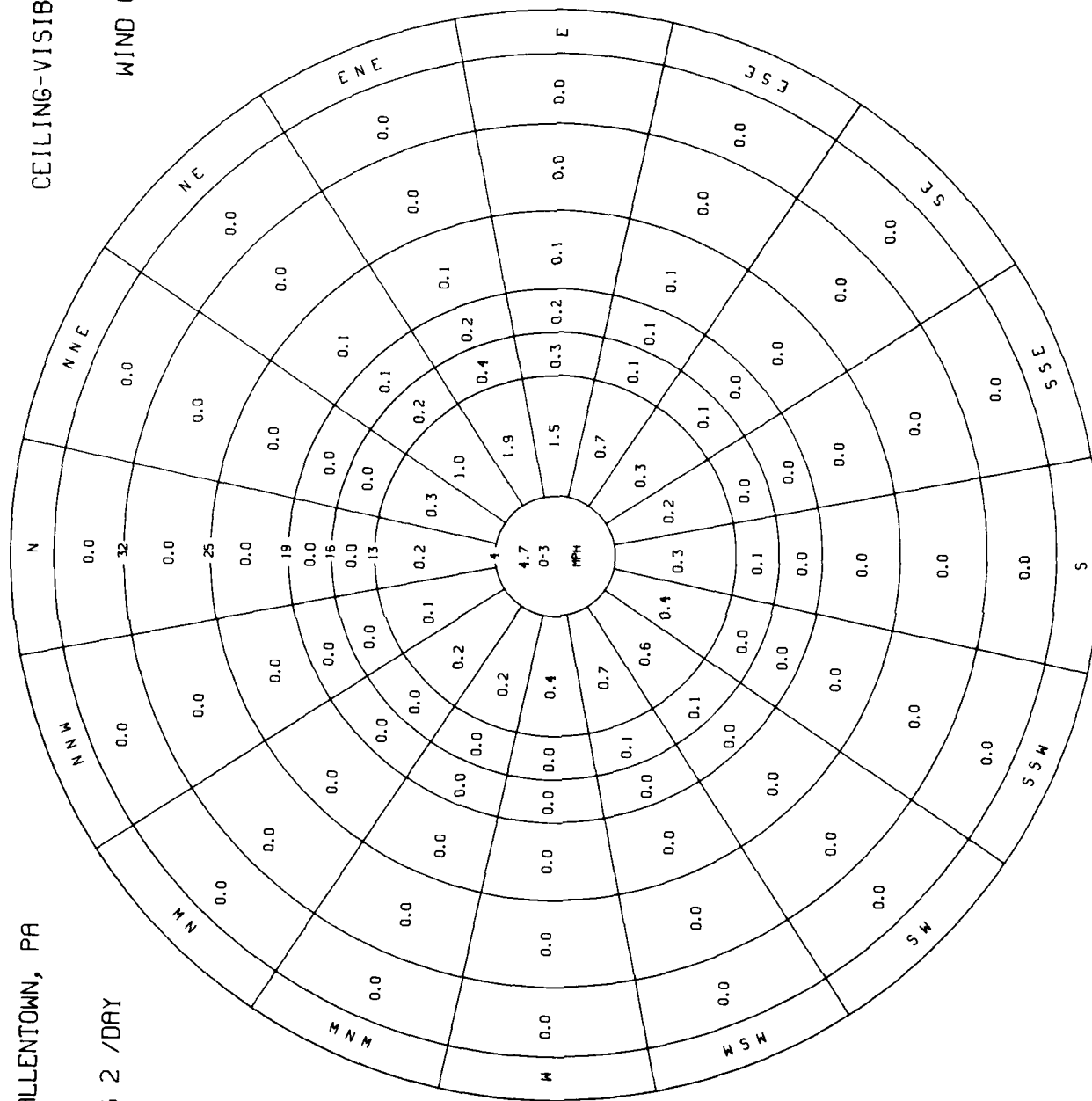
STATION NUMBER: 14737

NO. OBS.: 33539

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.7	.8	2.7	3.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	4.0 4.7
NNE	.4	.5	1.2	1.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.8 2.2
NE	.5	.6	2.6	3.1	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.4 4.1
ENE	.6	.7	3.4	4.0	.3	.3	.1	.2	.0	.1	.0	.0	.0	.0	4.5 5.3
E	.6	.8	2.3	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.2 3.8
ESE	.3	.3	1.2	1.4	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7 2.0
SE	.3	.3	1.0	1.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5 1.7
SSE	.2	.2	.9	1.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.2 1.4
S	.5	.5	2.0	2.4	.2	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.9 3.4
SSW	.4	.5	2.4	2.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2 3.7
SW	.8	1.0	5.5	6.5	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	7.0 8.3
WSW	.9	1.1	6.5	7.7	.8	.9	.4	.4	.2	.3	.1	.1	.0	.0	8.9 10.5
W	1.1	1.3	5.6	6.7	1.3	1.5	1.2	1.4	1.0	1.1	.3	.4	.1	.2	10.7 12.6
WNW	.7	.8	3.5	4.1	.8	.9	.8	1.0	.9	1.1	.4	.5	.1	.1	7.2 8.5
NW	.8	.9	3.2	3.8	.8	.9	.7	.8	.6	.8	.2	.3	.0	.1	6.4 7.5
NNW	.5	.5	2.5	3.0	.7	.8	.5	.6	.4	.4	.1	.1	.0	.0	4.7 5.5
CALM	12.5	14.7													12.5 14.7
TOTAL	21.7	25.6	46.6	55.0	6.8	8.0	4.6	5.4	3.5	4.1	1.2	1.5	.3	.4	84.7 100
															7.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14737

NO. OBS.: 8352

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.7	.2	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.3
NNE	.1	.5	.3	1.6	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.6
NE	.2	1.0	1.0	6.0	.2	1.1	.1	.5	.1	.3	.0	.1	.0	.0	1.5 9.0
ENE	.2	1.4	1.9	11.3	.4	2.5	.2	1.3	.1	.6	.0	.1	.0	.0	2.8 17.1
E	.2	1.5	1.5	9.0	.3	1.9	.2	1.1	.1	.5	.0	.1	.0	.0	2.3 14.2
ESE	.1	.8	.7	4.0	.1	.6	.1	.5	.1	.3	.0	.0	.0	.0	1.0 6.2
SE	.1	.4	.3	2.0	.1	.4	.0	.2	.0	.2	.0	.0	.0	.0	.5 3.2
SSE	.0	.3	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.0
S	.1	.5	.3	1.9	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.0
SSW	.1	.4	.4	2.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.0
SW	.1	.8	.6	3.7	.1	.3	.0	.1	.0	.1	.0	.0	.0	.0	.8 5.1
WSW	.1	.8	.7	4.2	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.9 5.6
W	.2	1.2	.4	2.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.2
WNW	.2	.9	.2	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4 2.6
NW	.1	.7	.2	1.1	.0	.3	.0	.0	.0	.2	.0	.0	.0	.0	.4 2.4
NNW	.1	.5	.1	.7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.4
CALM	2.6	16.2													2.6 16.2
TOTAL	4.7	28.5	8.8	54.0	1.5	8.9	.8	4.7	.5	3.0	.1	.7	.0	.2	16.4 100
															7.4

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

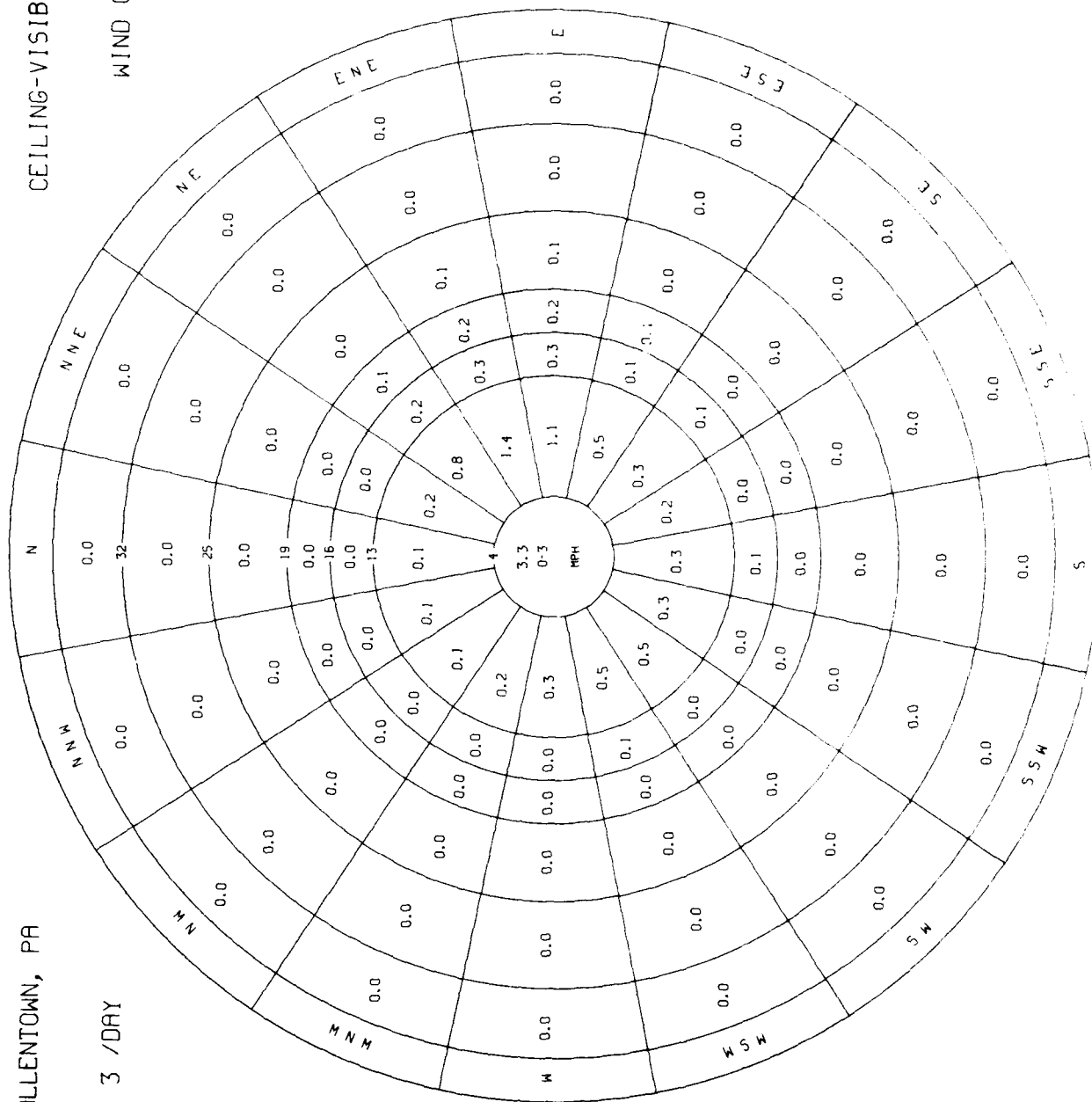
CLASS 2 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 6075

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	1.0	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4	2.7	6.7
NNE	.1	.6	.3	1.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.4	2.9	7.6
NE	.2	1.1	.9	5.9	.1	.8	.1	.6	.0	.3	.0	.1	.0	.0	.0	1.3	8.8	8.9
ENE	.3	1.7	1.8	11.7	.4	2.6	.2	1.3	.1	.7	.0	.3	.0	.0	.0	2.8	18.3	9.9
E	.3	1.9	1.3	8.4	.3	1.8	.1	.9	.1	.5	.0	.1	.0	.0	.0	2.1	13.6	9.5
ESE	.1	.5	.5	3.4	.1	.7	.1	.4	.0	.2	.0	.1	.0	.0	.0	.8	5.4	9.9
SE	.1	.5	.3	2.3	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.6	3.7	9.2
SSE	.1	.4	.2	1.2	.0	.2	.0	.1	.0	.2	.0	.1	.0	.0	.0	.3	2.2	9.5
S	.1	.6	.3	1.8	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.5	3.0	8.5
SSW	.1	.5	.2	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	.0	.0	.3	2.2	8.2
SW	.1	.9	.5	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.4	6.8
WSW	.2	1.0	.6	3.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.8	5.0	7.1
W	.2	1.4	.4	2.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.3	6.1
WNW	.2	1.0	.2	1.6	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.4	2.9	7.1
NW	.1	.9	.2	1.0	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.4	2.3	6.8
NNW	.1	.6	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	1.7	7.5
CALM	2.6	16.7														2.6	16.7	
TOTAL	4.8	31.3	8.0	52.3	1.2	7.9	.7	4.4	.4	2.8	.2	1.1	.0	.1	15.3	100		7.2

ABE ALLENTOWN, PA
 CLASS 3 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: '348-1978

CLASS 3 / DAY

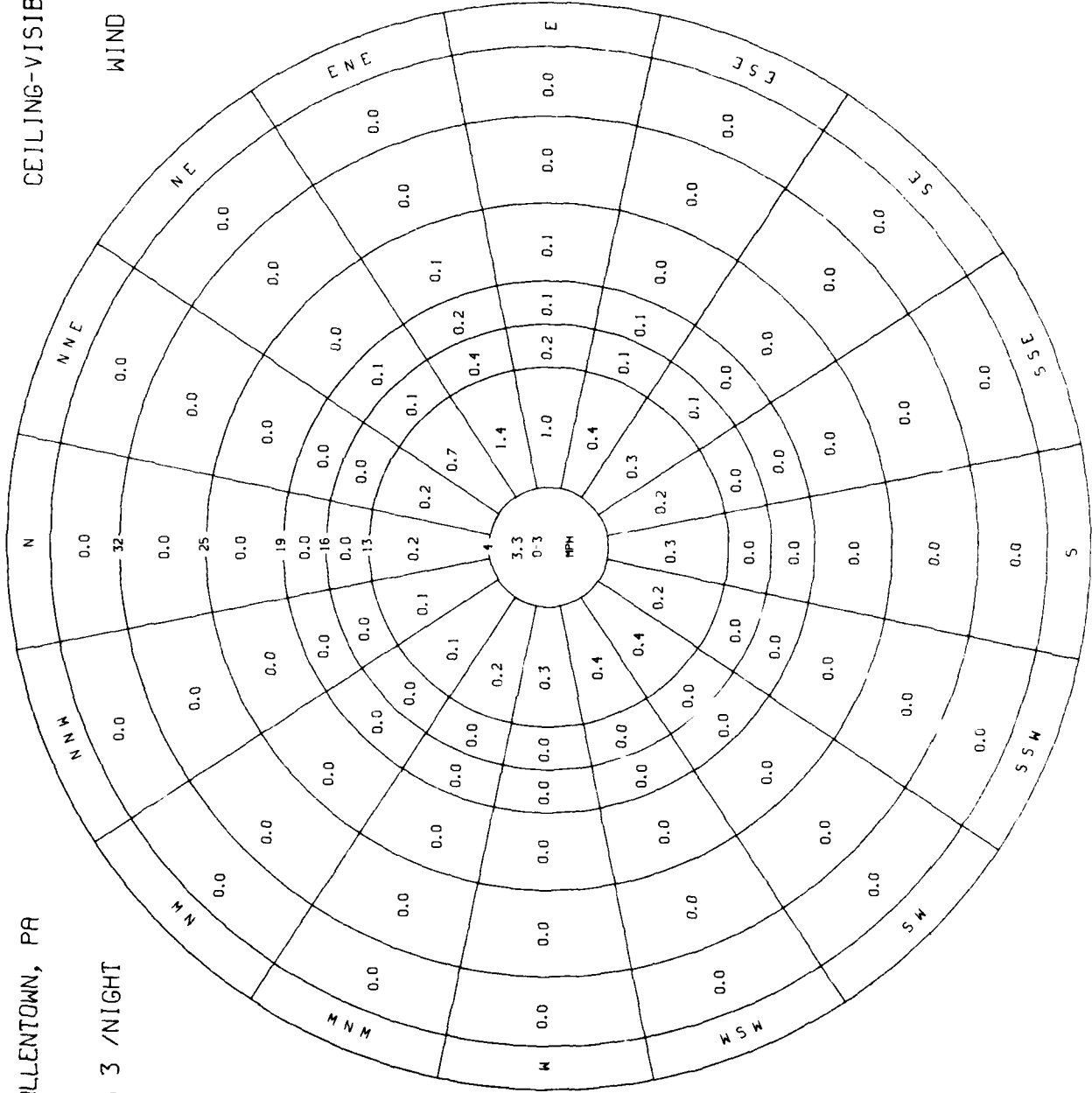
STATION NUMBER: 14737

NO. OBS.: 6502

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.6	.1	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.0	7.7
NNE	.1	.5	.2	1.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.3	8.2
NE	.1	1.0	.8	5.9	.2	1.2	.1	.5	.0	.3	.0	.1	.0	.0	1.1	9.0	9.3
ENE	.2	1.2	1.4	10.6	.3	2.7	.2	1.4	.1	.6	.0	.1	.0	.0	2.1	16.5	10.1
E	.2	1.4	1.1	9.0	.3	2.1	.2	1.3	.1	.6	.0	.2	.0	.1	1.9	14.6	10.2
ESE	.1	.8	.5	4.3	.1	.7	.1	.6	.0	.4	.0	.0	.0	.0	.9	6.8	9.7
SE	.1	.5	.3	2.3	.1	.4	.0	.2	.0	.3	.0	.0	.0	.0	.5	3.8	9.6
SSE	.0	.3	.2	1.4	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.3	2.4	9.6
S	.1	.5	.3	2.3	.1	.5	.0	.2	.0	.1	.0	.1	.0	.0	.5	3.6	9.2
SSW	.1	.4	.3	2.5	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.5	8.6
SW	.1	.8	.5	4.2	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.7	5.5	7.7
WSW	.1	.7	.5	4.3	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.7	5.6	8.1
W	.1	1.2	.3	2.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5	4.1	6.8
WNW	.1	.9	.2	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.5	7.1
NW	.1	.6	.1	1.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.2	8.2
NNW	.1	.4	.1	.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.3	7.4
CALM	1.8	14.1													1.8	14.1	
TOTAL	3.3	25.7	7.0	54.9	1.3	10.0	.7	5.3	.4	3.3	.1	.7	.0	.2	12.8	100	7.8

CEILING-VISIBILITY
WIND GRAPH

ABE ALLENTOWN, PA
CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 3 / NIGHT

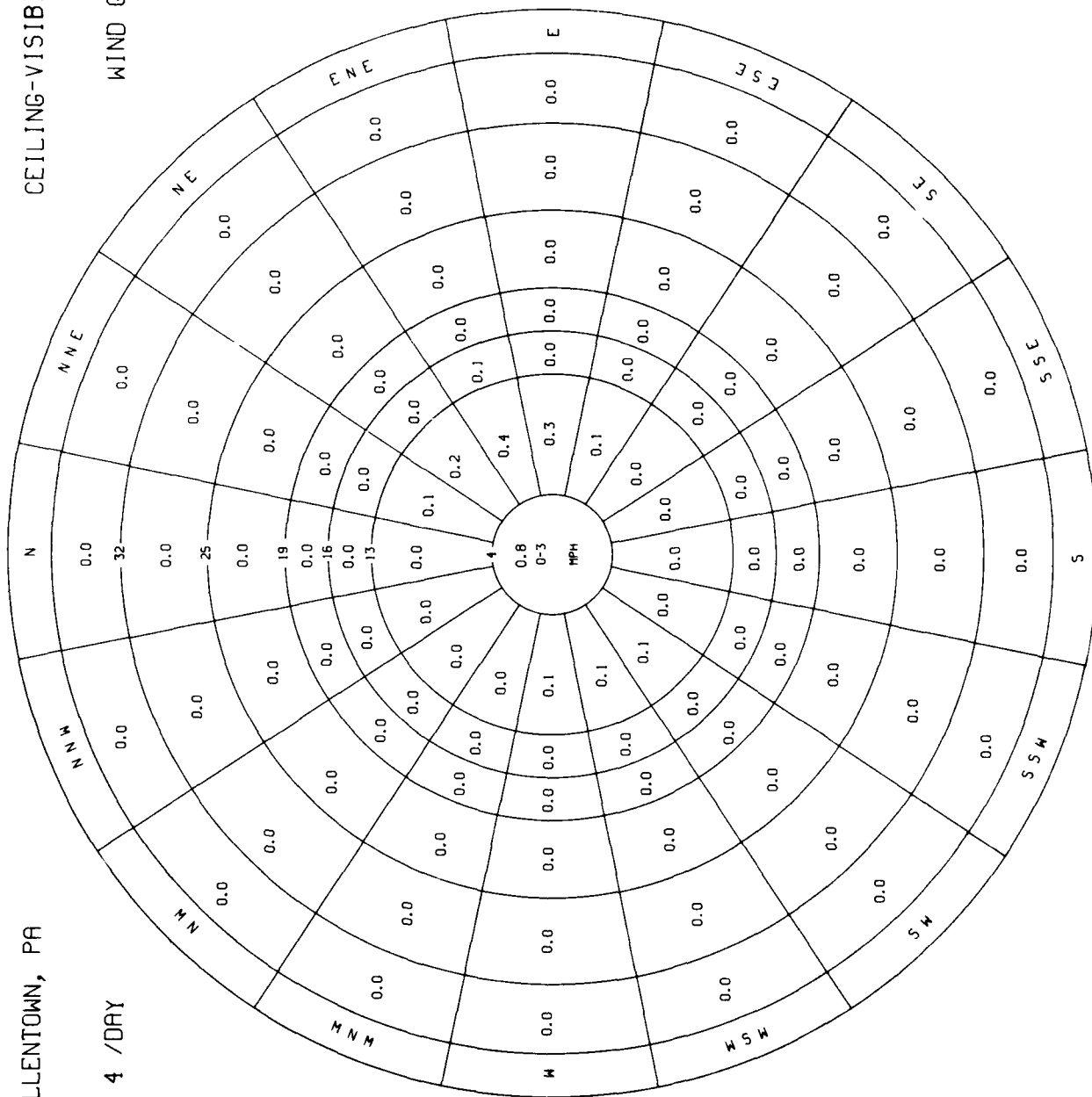
STATION NUMBER: 14737

NO. OBS.: 4666

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.2	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.5
NNE	.1	.6	.2	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.9
NE	.1	1.0	.7	5.9	.1	.8	.1	.7	.0	.3	.0	.1	.0	.0	1.0 8.7
ENE	.2	1.3	1.4	11.7	.4	3.0	.2	1.5	.1	.8	.0	.3	.0	.0	2.2 18.7
E	.2	1.9	1.0	8.2	.2	2.1	.1	1.0	.1	.6	.0	.2	.0	.0	1.6 14.0
ESE	.1	.6	.4	3.8	.1	.9	.1	.6	.0	.3	.0	.1	.0	.0	.7 6.3
SE	.1	.6	.3	2.7	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.5 4.3
SSE	.1	.5	.2	1.5	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.3 2.7
S	.1	.7	.3	2.2	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.4 3.5
SSW	.1	.5	.2	1.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.3
SW	.1	.9	.4	3.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 4.5
WSW	.1	.9	.4	3.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.6 4.8
W	.1	1.0	.3	2.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.7
WNW	.1	1.0	.2	1.5	.0	.1	.0	.1	.0	.2	.0	.1	.0	.0	.3 2.9
NW	.1	.9	.1	.9	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.3 2.2
NNW	.1	.6	.1	.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2 1.8
CALM	1.7	14.1													1.7 14.1
TOTAL	3.3	27.9	6.3	53.3	1.1	9.1	.6	5.3	.4	3.1	.1	1.2	.0	.1	11.8 100
															7.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 4 / DAY

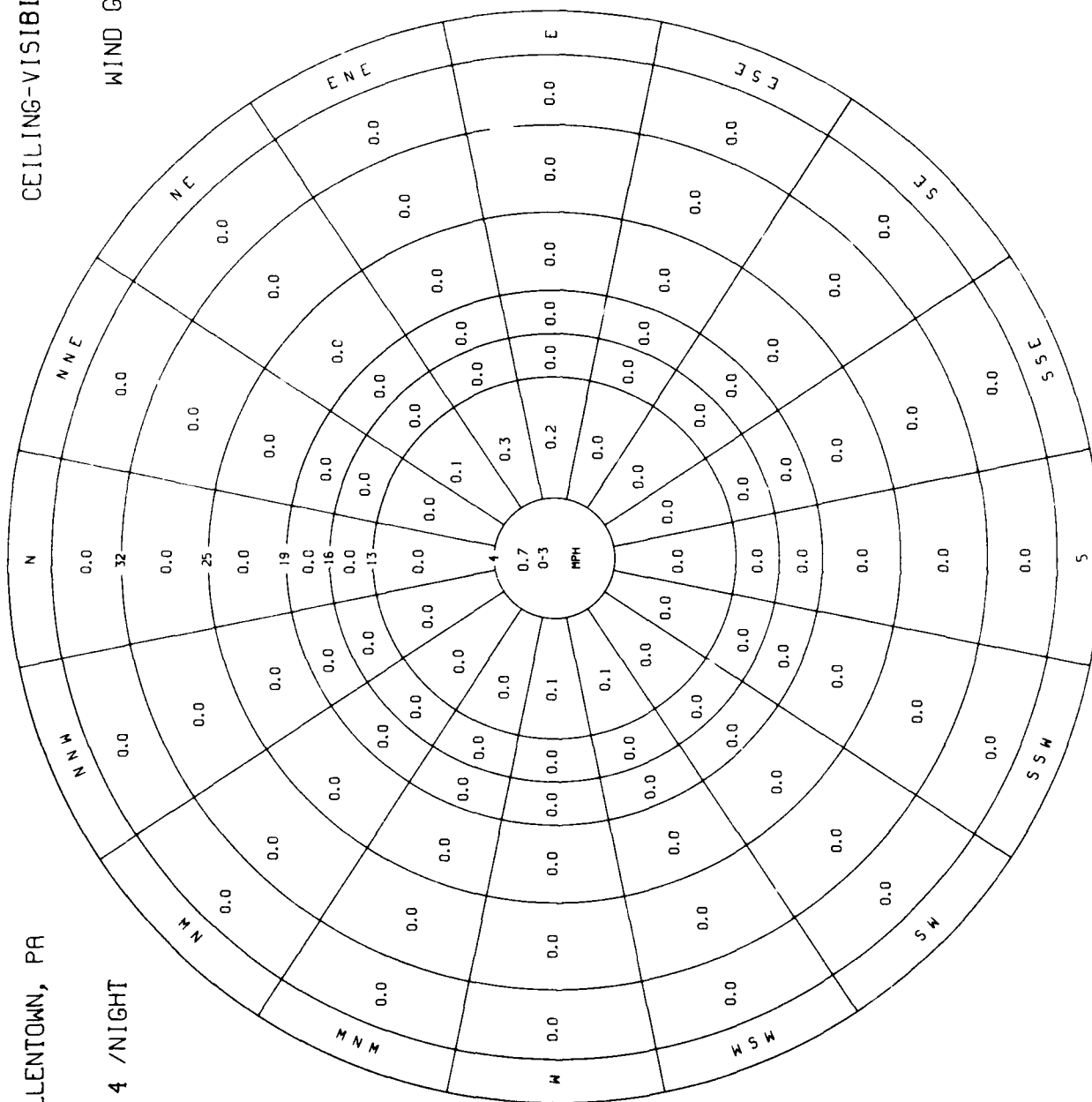
STATION NUMBER: 14737

NO. OBS.: 1231

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		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	1.5	.0	.2	.0	.3	.0	.0	.0	.1	.0	.0	.1	2.9	8.0
NNE	.0	.6	.1	2.6	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	3.9	8.1
NE	.0	1.5	.2	6.3	.0	.8	.0	.4	.0	.4	.0	.2	.0	.0	.2	9.6	8.8
ENE	.0	1.8	.4	15.1	.1	2.2	.0	1.1	.0	.3	.0	.2	.0	.0	.5	20.8	9.5
E	.0	1.8	.3	10.4	.0	1.3	.0	.8	.0	.3	.0	.0	.0	.0	.4	14.6	8.5
ESE	.0	.7	.1	3.0	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.1	4.5	8.5
SE	.0	.2	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.2
SSE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.1
S	.0	.2	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.9
SSW	.0	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.5
SW	.0	1.0	.1	2.2	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.1	3.4	6.6
WSW	.0	.9	.1	3.6	.0	.2	.0	.1	.0	.3	.0	.0	.0	.0	.1	5.1	7.7
W	.0	1.4	.1	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.1	5.6
WNW	.0	1.1	.0	1.7	.0	.2	.0	.0	.0	.1	.0	.2	.0	.0	.1	3.2	7.2
NW	.0	1.1	.0	1.1	.0	.2	.0	.0	.0	.3	.0	.2	.0	.0	.1	2.8	8.4
NNW	.0	.6	.0	.5	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.3	6.0
CALM	.5	19.9													.5	19.9	
TOTAL	.8	33.7	1.3	53.5	.1	6.1	.1	3.2	.1	2.4	.0	1.0	.0	.0	2.4	100	6.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 767

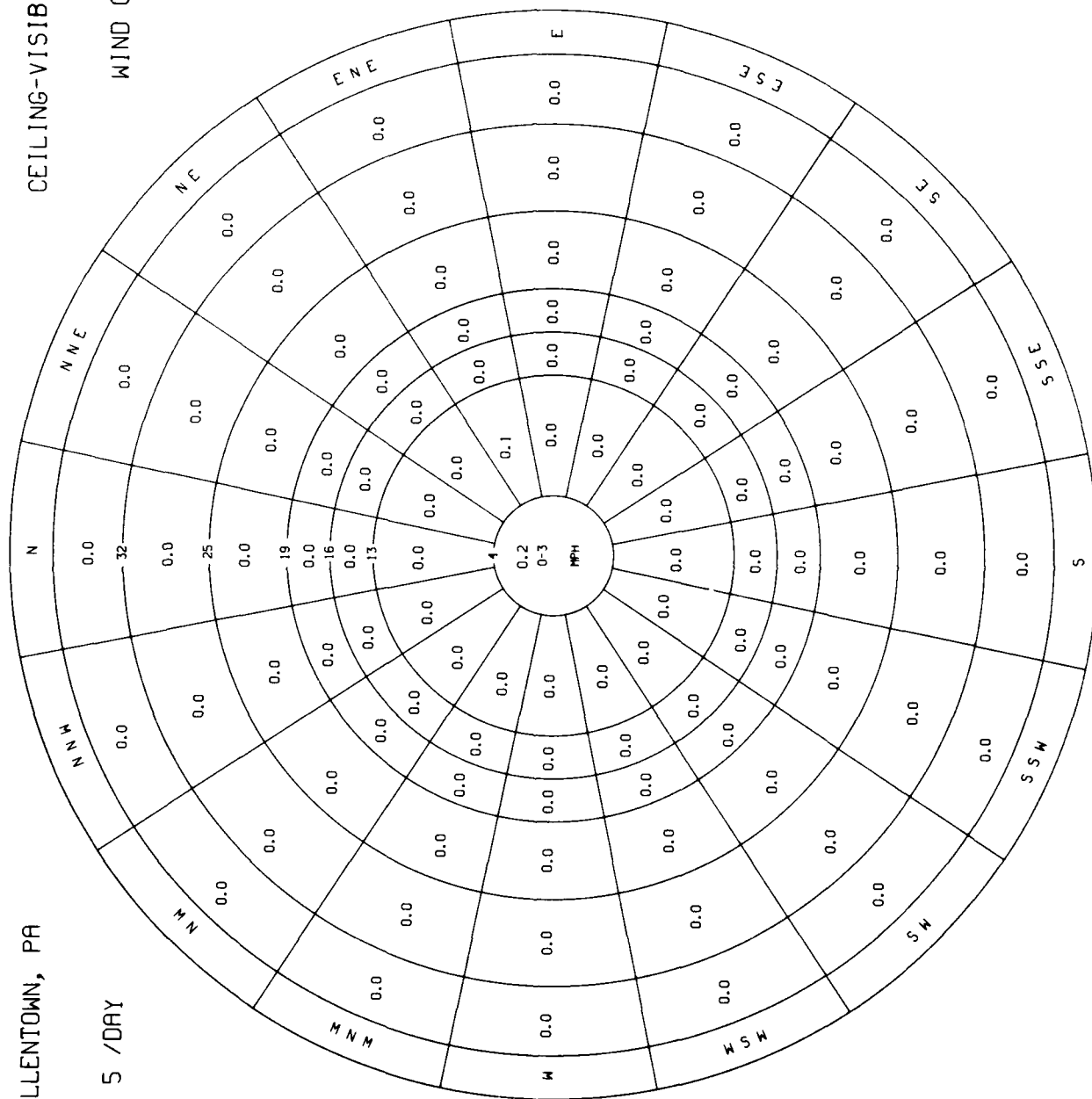
D I R	SPED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.0	1.3	.0	.1	.0	.1	.0	.3	.0	.1	.0	.0	.1 3.4
NNE	.0	.4	.0	2.1	.0	.0	.0	.1	.0	.7	.0	.1	.0	.0	.1 3.4
NE	.0	1.3	.1	7.6	.0	1.0	.0	.3	.0	.5	.0	.4	.0	.0	.2 11.1
ENE	.1	2.6	.3	14.2	.0	2.1	.0	1.0	.0	.8	.0	.3	.0	.0	.4 21.0
E	.0	2.0	.2	11.3	.0	1.7	.0	.5	.0	.0	.0	.0	.0	.0	.3 15.5
ESE	.0	.1	.0	2.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
SE	.0	.4	.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SSE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
S	.0	.3	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0 .9
SSW	.0	.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
SW	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.6
WSW	.0	1.0	.1	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.3
W	.0	2.2	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1 5.1
WNW	.0	.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0 1.6
NW	.0	1.2	.0	.9	.0	.0	.0	.0	.0	.1	.0	.4	.0	.0	.1 2.6
NNW	.0	.7	.0	1.0	.0	.0	.0	.1	.0	.3	.0	.3	.0	.0	.0 2.3
CALM	.4	19.3													.4 19.3
TOTAL	.7	35.5	1.0	52.2	.1	5.6	.0	2.3	.1	2.6	.0	1.7	.0	.1	1.9 100
															6.7

CEILING-VISIBILITY

WIND GRAPH

ABE ALLENTOWN, PA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 5 / DAY

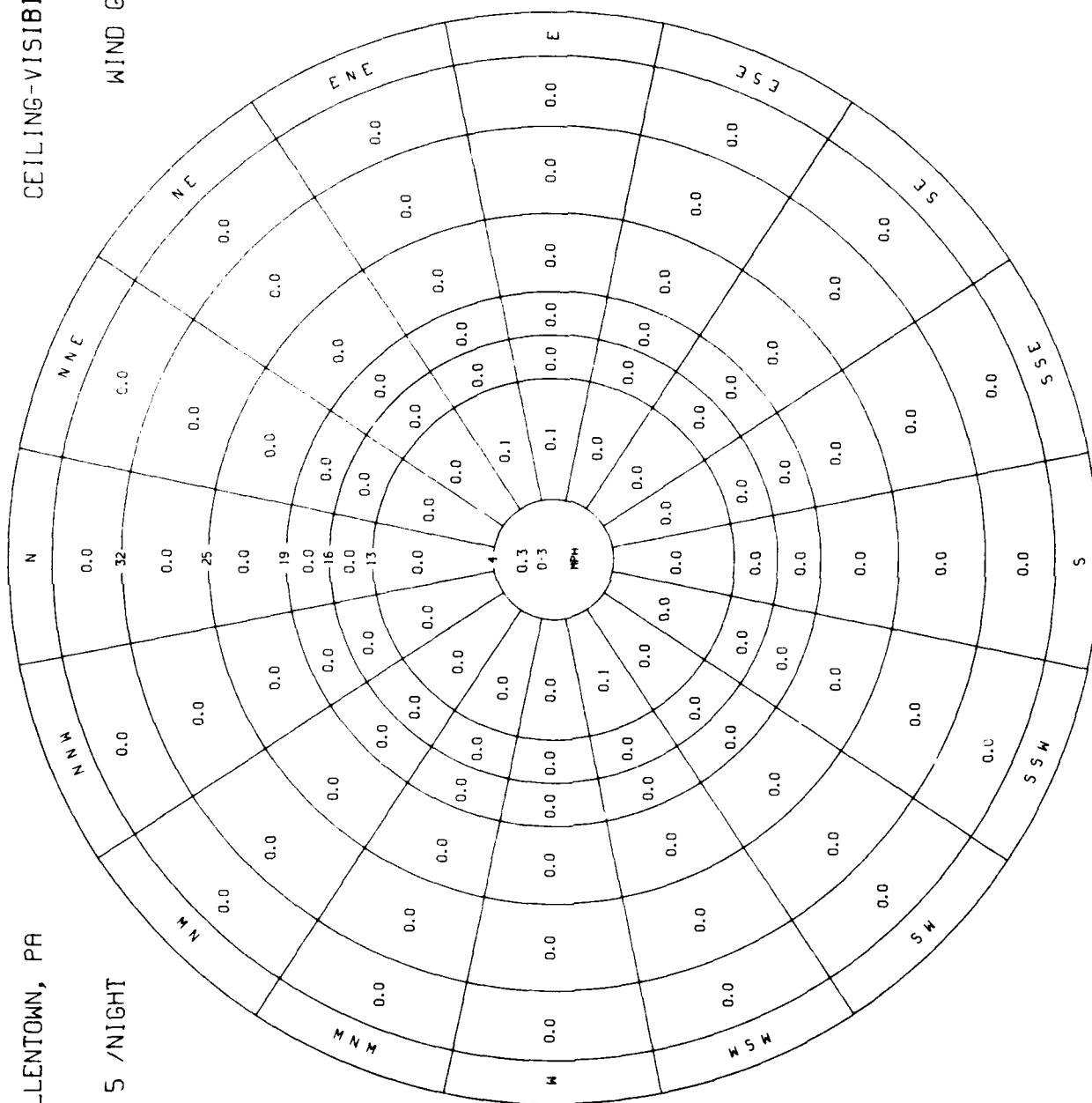
STATION NUMBER: 14737

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	F	B	A	B	
N	.0	1.8	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
NNE	.0	.4	.0	1.4	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0 3.2
NE	.0	.0	.0	5.7	.0	1.1	.0	.7	.0	.0	.0	.0	.0	.0	.0 7.5
ENE	.0	2.9	.1	16.1	.0	1.8	.0	1.1	.0	.4	.0	.4	.0	.0	.1 22.5
E	.0	2.1	.0	6.8	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.1 11.1
ESE	.0	1.1	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
SE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
SSE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.7
S	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
SSW	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
WSW	.0	1.1	.0	4.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
W	.0	1.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0 4.6
WNW	.0	1.1	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
NW	.0	.7	.0	2.5	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0 3.9
NNW	.0	1.1	.0	.7	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0 2.5
CALM	.1	21.4													.1 21.4
TOTAL	.2	37.5	.3	50.4	.0	6.4	.0	2.9	.0	1.8	.0	.7	.0	.4	.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14737

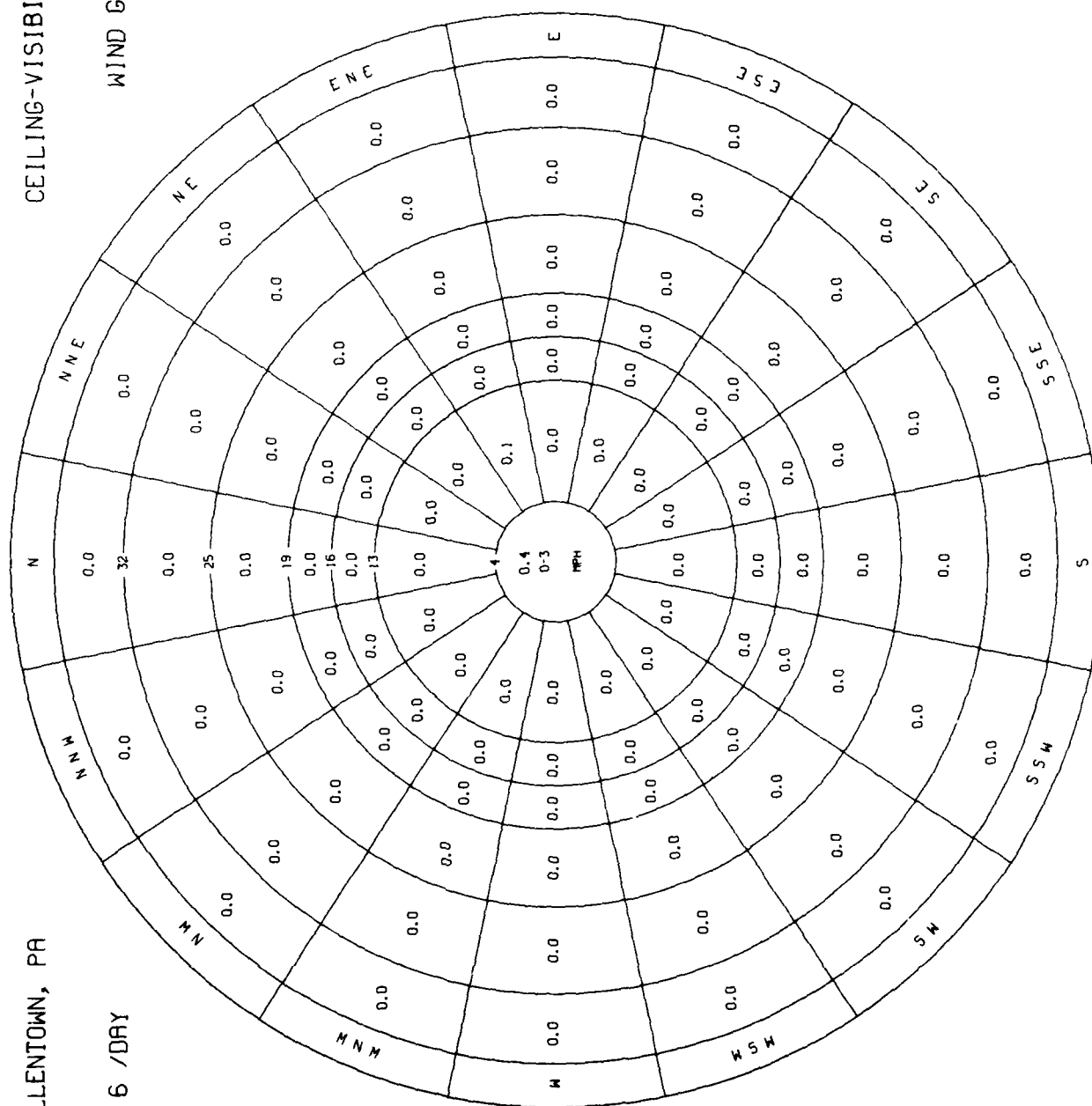
NO. OBS.: 259

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	3.9	8.0
NNE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	2.3	8.3
NE	.0	.8	.0	4.6	.0	.4	.0	.0	.0	.8	.0	.0	.0	.0	.0	6.6	8.3
ENE	.0	2.3	.1	12.7	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.1	16.6	7.8
E	.0	2.7	.1	8.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.4	6.5
ESE	.0	.4	.0	4.2	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	5.0	7.7
SE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.5
SSE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
S	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.7
SSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.5
SW	.0	.4	.0	3.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.2
WSW	.0	.4	.1	7.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	7.1
W	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.3
WNW	.0	1.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.2
NW	.0	.4	.0	2.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	3.5	6.9
NNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.0
CALM	.2	23.6													.2	23.6	
TOTAL	.3	39.4	.4	54.1	.0	3.5	.0	.8	.0	1.5	.0	.8	.0	.0	.7	100	5.4

ABE ALLENTOWN, PA

CLASS 6 / DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 14737

NO. OBS.: 339

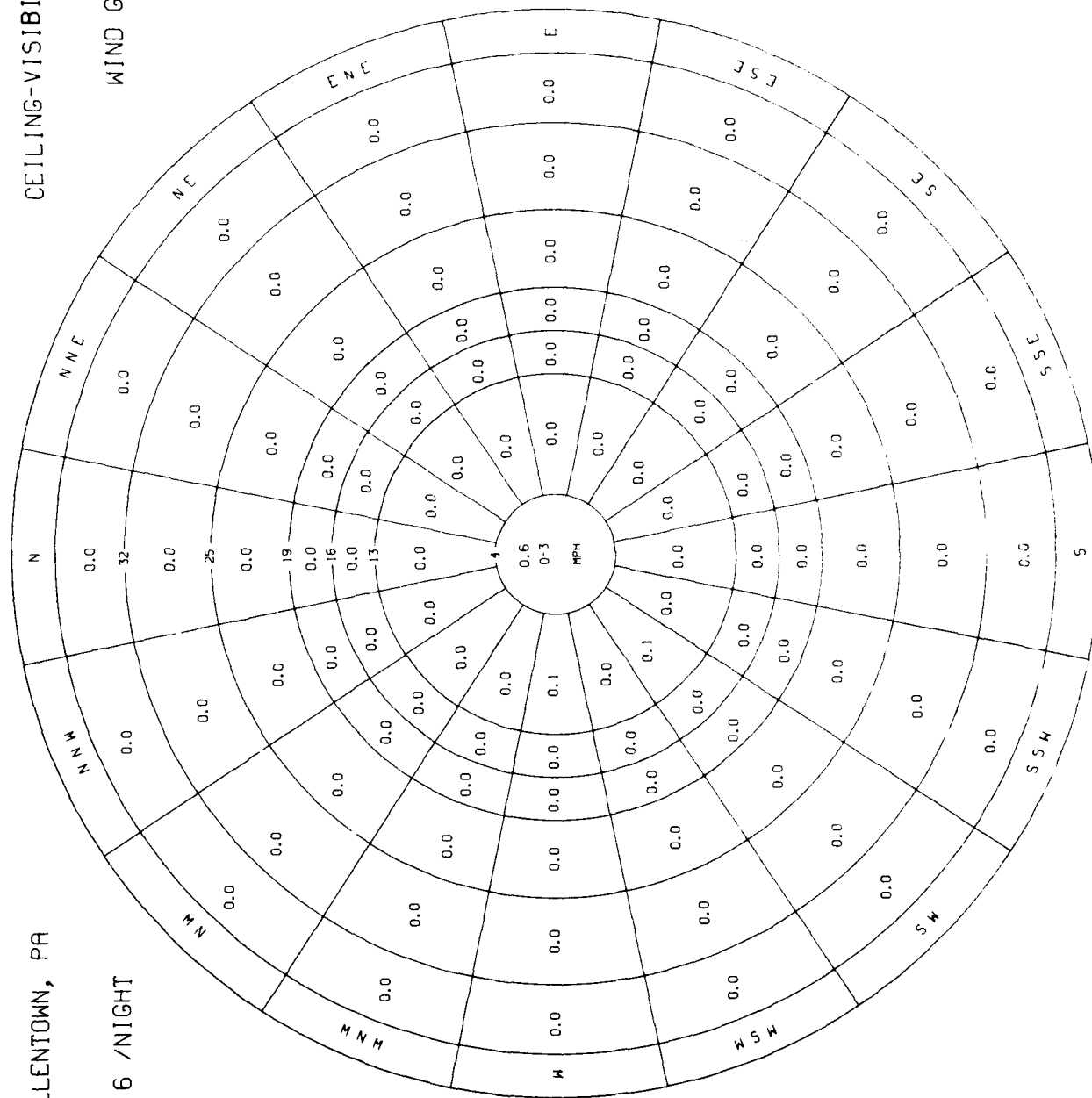
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
NNE	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
NE	.0	1.5	.0	5.9	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.1 8.0
ENE	.0	1.5	.1	7.7	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.1 10.0
E	.0	1.8	.0	5.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.1
ESE	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
SSE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
S	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSW	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SW	.0	1.5	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
WSW	.0	2.4	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.1
W	.0	.9	.0	4.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
WNW	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 2.9
NW	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
NNW	.0	.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
CALM	.3	37.8													.3 37.8
TOTAL	.4	55.8	.3	41.9	.0	.9	.0	.9	.0	.6	.0	.0	.0	.0	.7 100

CEILING-VISIBILITY

WIND GRAPH

ABE ALLENTOWN, PA

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABE ALLENTOWN, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14737

NO. OBS.: 383

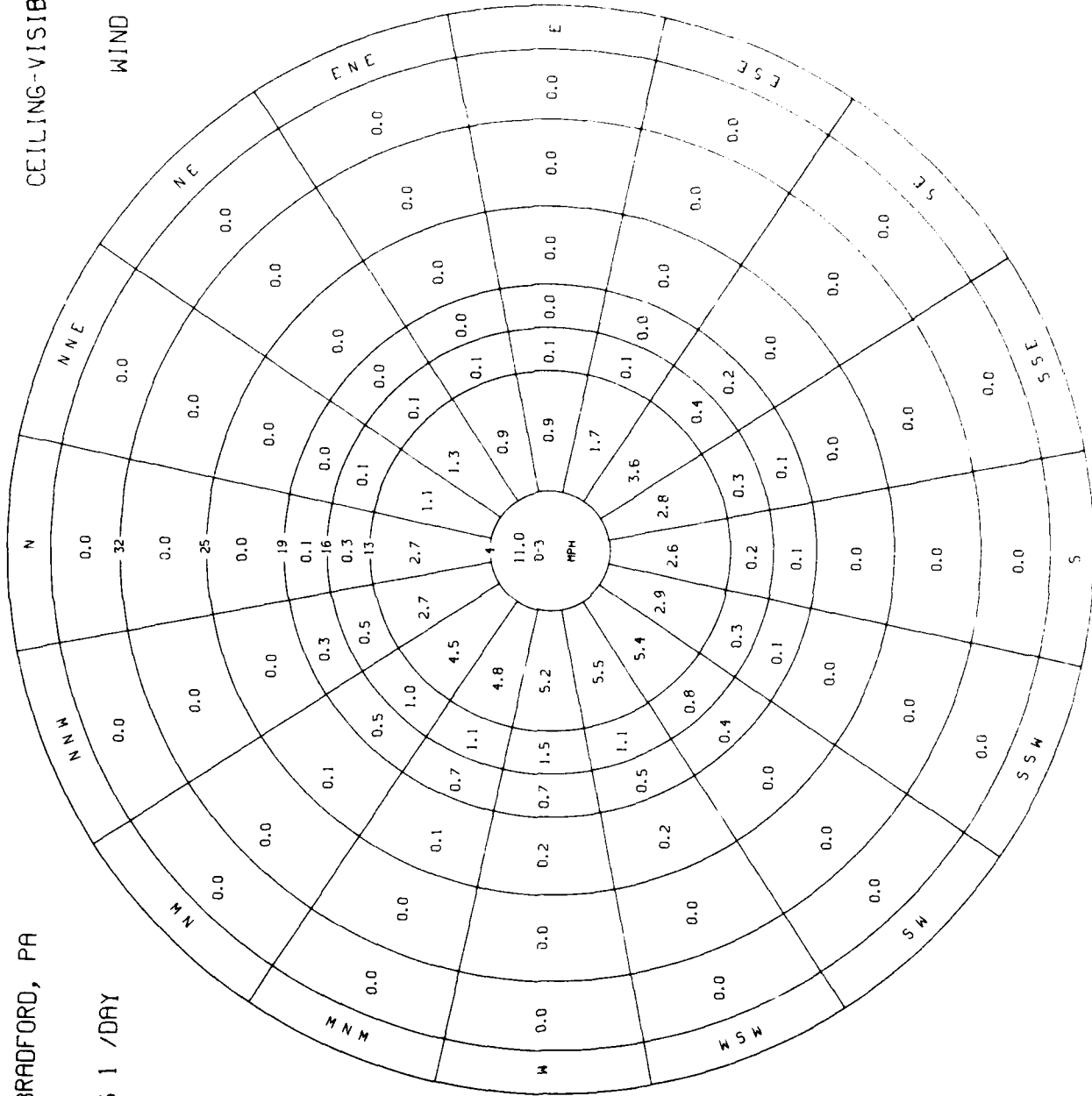
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.1
NNE	.0	.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.2
NE	.0	2.3	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	4.8
ENE	.0	3.4	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	5.7
E	.0	1.3	.0	4.7	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	6.3	6.5
ESE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.0
SE	.0	.3	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.4
SSE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	7.0
S	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.8
SSW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.6
SW	.0	1.3	.1	5.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	6.9
WSW	.0	1.8	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	5.2
W	.0	3.7	.1	5.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	9.7	5.4
WNW	.0	1.3	.0	3.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	5.2	6.3
NW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.8
NNW	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.7
CALM	.4	38.4													.4	38.4	
TOTAL	.6	58.7	.4	39.7	.0	.8	.0	.5	.0	.3	.0	.0	.0	.0	1.0	100	3.5

BFD BRADFORD, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 1 / DAY

STATION NUMBER: 04751

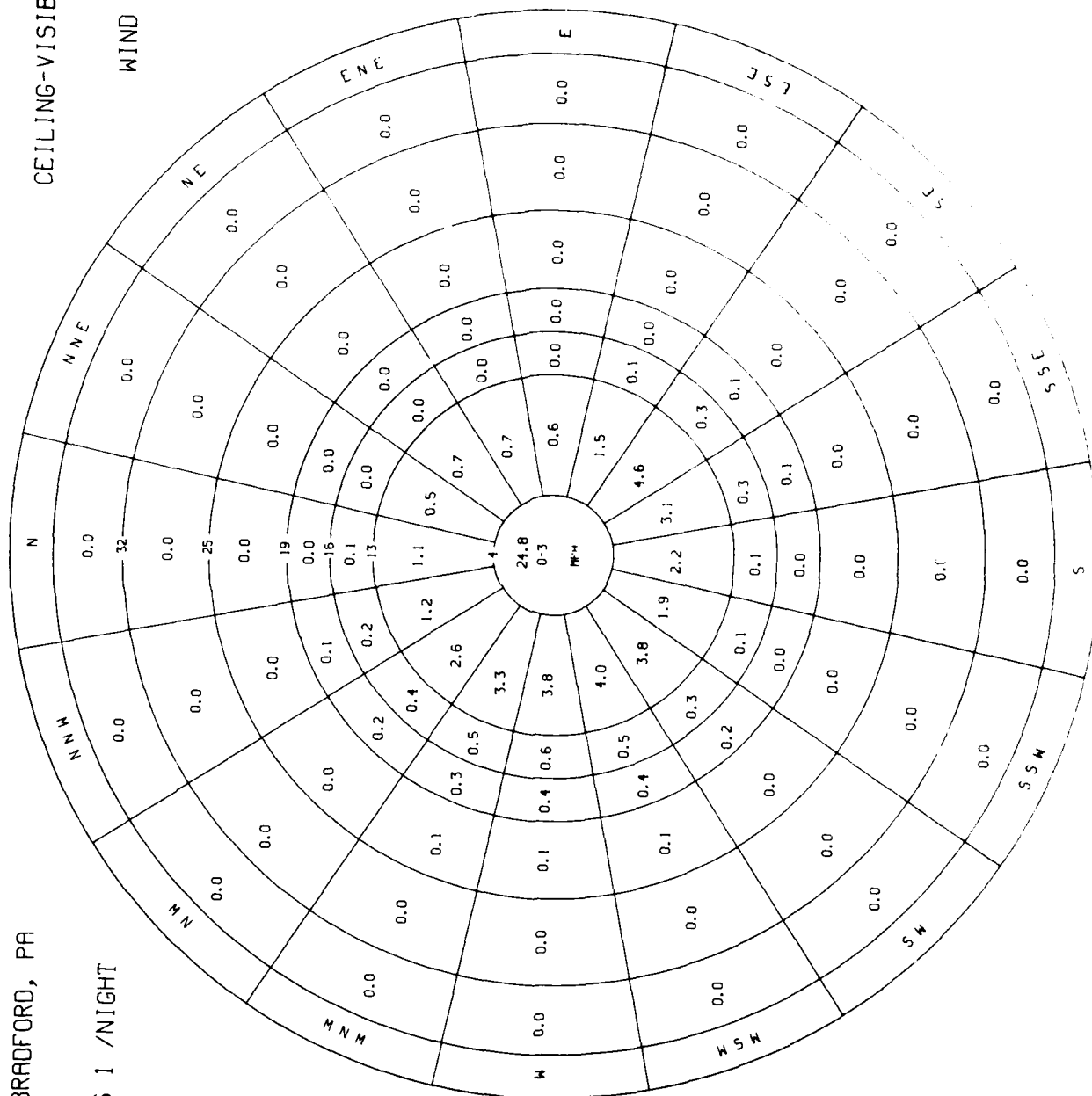
NO. OBS.: 23458

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		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	2.7	3.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.4	4.7	8.5
NNE	.1	.2	1.1	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.8	8.3
NE	.2	.3	1.3	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	2.3	7.9
ENE	.1	.2	.9	1.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.5	7.4
E	.1	.2	.9	1.2	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.5	7.6
ESE	.1	.2	1.7	2.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.7	7.5
SE	.6	.8	3.6	5.0	.4	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	4.8	6.7	9.2
SSE	.3	.4	2.8	4.0	.3	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.5	4.9	9.7
S	.3	.5	2.6	3.6	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.2	4.5	8.0
SSW	.3	.4	2.9	4.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.5	4.9	8.5
SW	.5	.6	5.4	7.5	.8	1.1	.4	.6	.0	.1	.0	.0	.0	.0	.0	7.1	9.9	9.3
WSW	.4	.5	5.5	7.6	1.1	1.5	.5	.8	.2	.2	.0	.0	.0	.0	.0	7.7	10.7	10.1
W	.3	.5	5.2	7.2	1.5	2.0	.7	1.0	.2	.2	.0	.0	.0	.0	.0	8.0	11.0	10.7
WNW	.3	.4	4.8	6.7	1.1	1.6	.2	.9	.1	.2	.0	.0	.0	.0	.0	7.1	9.9	10.5
NW	.4	.5	4.5	6.2	1.0	1.4	.5	.7	.1	.1	.0	.0	.0	.0	.0	6.5	9.0	10.1
NNW	.1	.2	2.7	3.8	.5	.7	.3	.4	.0	.0	.0	.0	.0	.0	.0	3.6	5.0	9.8
CALM	6.5	9.0														6.5	9.0	
TOTAL	11.0	15.2	48.6	67.5	8.0	11.1	3.7	5.1	.7	1.0	.1	.1	.0	.0	.0	72.0	100	8.5

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1958-1978

STATION NAME: BFD BRADFORD, PA

CLASS 1 / NIGHT

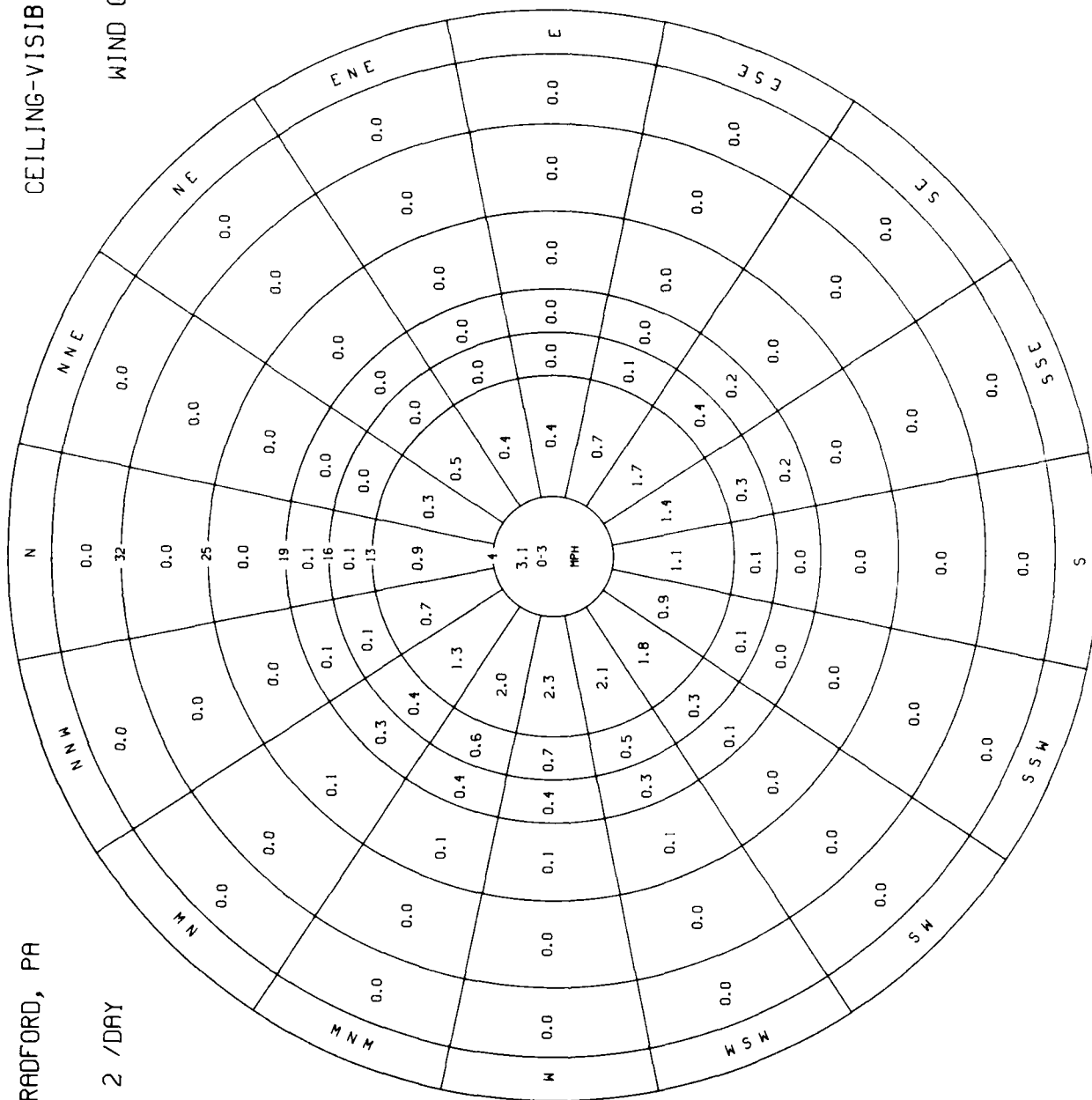
NO. OBS.: 18913

STATION NUMBER: 04751

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		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	1.1	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.2	7.3
NNE	.2	.3	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.1	6.4
NE	.2	.3	.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.4	6.2
ENE	.1	.1	.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.2	7.0
E	.2	.3	.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	1.3	6.2
ESE	.3	.4	1.5	2.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.9	2.9	6.6
SE	1.1	1.6	4.6	6.9	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	6.0	9.1	6.8
SSE	.5	.7	3.1	4.7	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	3.9	6.0	7.8
S	.4	.7	2.2	3.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.1	6.8
SSW	.3	.4	1.9	2.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.5	7.2
SW	.8	1.2	3.8	5.8	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	5.0	7.6	7.5
WSW	.6	.9	4.0	6.1	.5	.8	.4	.6	.1	.1	.0	.0	.0	.0	.0	5.7	8.6	8.9
W	.4	.7	3.8	5.8	.6	.9	.4	.6	.1	.1	.0	.0	.0	.0	.0	5.4	8.2	9.3
WNW	.4	.6	3.3	5.0	.5	.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	4.5	6.8	9.0
NW	.4	.6	2.6	3.9	.4	.5	.2	.2	.0	.1	.0	.0	.0	.0	.0	3.5	5.3	8.6
NNW	.2	.3	1.2	1.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	1.6	2.4	8.4
CALM	18.7	28.4														18.7	28.4	
TOTAL	24.8	37.7	35.4	53.8	3.4	5.2	1.8	2.7	.3	.5	.0	.1	.0	.0	.0	65.8	100	5.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 2 / DAY

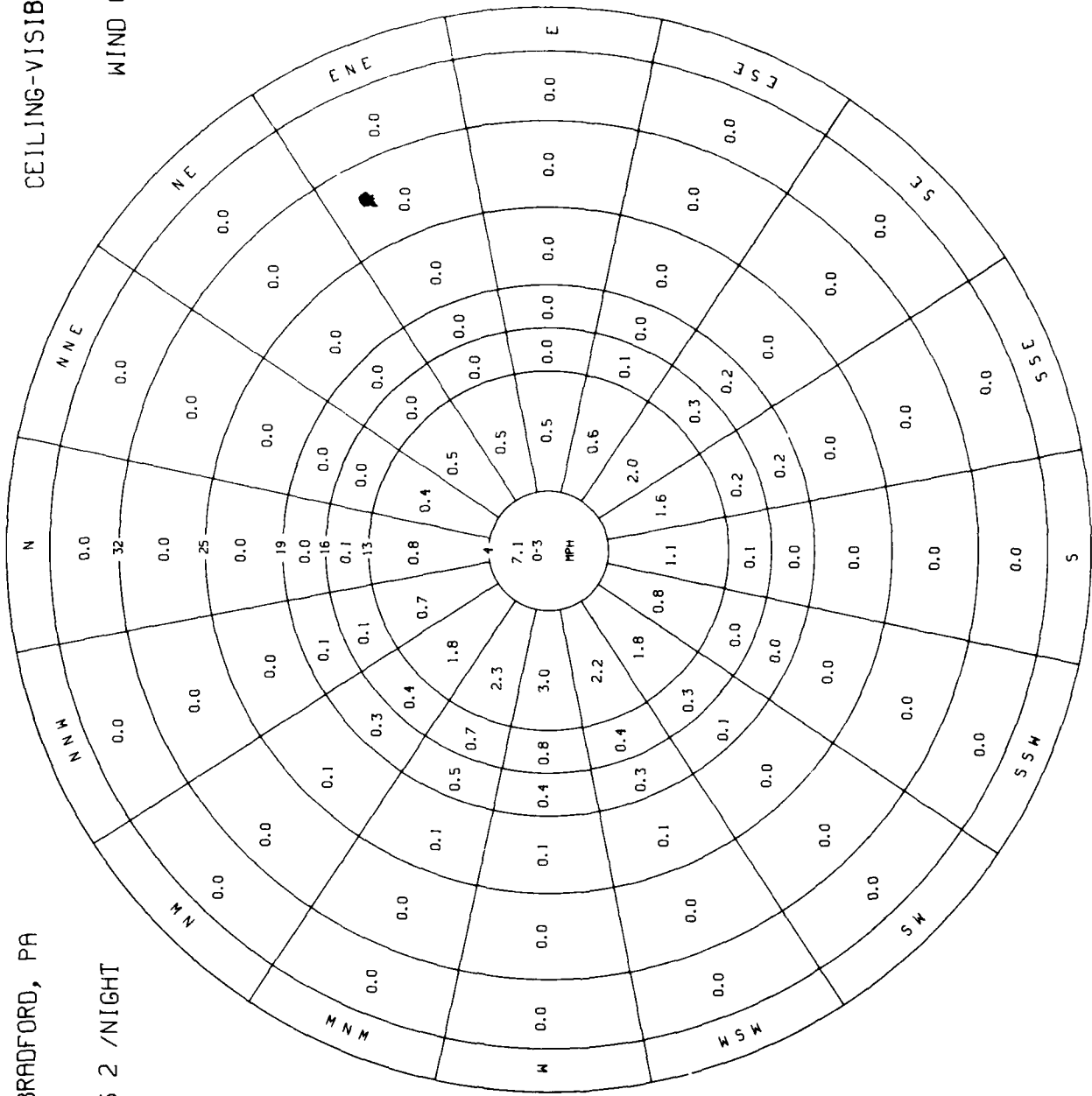
STATION NUMBER: 04751

NO. OBS.: 9124

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		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	.9	3.1	.1	.3	.1	.2	.0	.0	.0	.0	.0	.0	1.1	3.9	8.8
NNE	.0	.1	.3	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	1.4	9.1
NE	.0	.1	.5	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6	2.0	8.6
ENE	.0	.1	.4	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.7	8.2
E	.1	.2	.4	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5	1.7	8.3
ESE	.1	.2	.7	2.4	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.8	3.0	8.8
SE	.2	.7	1.7	6.0	.4	1.3	.2	.8	.0	.1	.0	.0	.0	.0	2.5	8.9	9.7
SSE	.1	.3	1.4	5.0	.3	1.0	.2	.5	.0	.1	.0	.0	.0	.0	1.9	6.8	10.0
S	.1	.5	1.1	3.8	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.3	4.7	8.1
SSW	.1	.3	.9	3.3	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.1	3.9	8.3
SW	.2	.6	1.8	6.5	.3	1.1	.1	.5	.0	.1	.0	.0	.0	.0	2.5	8.8	9.4
WSW	.1	.4	2.1	7.6	.5	1.7	.3	1.0	.1	.3	.0	.0	.0	.0	3.1	11.1	10.6
W	.1	.3	2.3	8.3	.7	2.5	.4	1.5	.1	.4	.0	.0	.0	.0	3.6	13.0	11.2
WNW	.1	.2	2.0	7.1	.6	2.3	.4	1.4	.1	.5	.0	.1	.0	.0	3.3	11.6	11.7
NW	.1	.3	1.3	4.8	.4	1.3	.3	1.0	.1	.2	.0	.1	.0	.0	2.1	7.6	11.2
NNW	.0	.2	.7	2.6	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	1.0	3.7	9.7
CALM	1.7	6.2													1.7	6.2	
TOTAL	3.1	10.9	18.5	65.9	3.7	13.2	2.2	7.8	.5	1.8	.1	.3	.0	.1	28.0	100	9.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 2 / NIGHT

STATION NUMBER: 04751

NO. OBS.: 9850

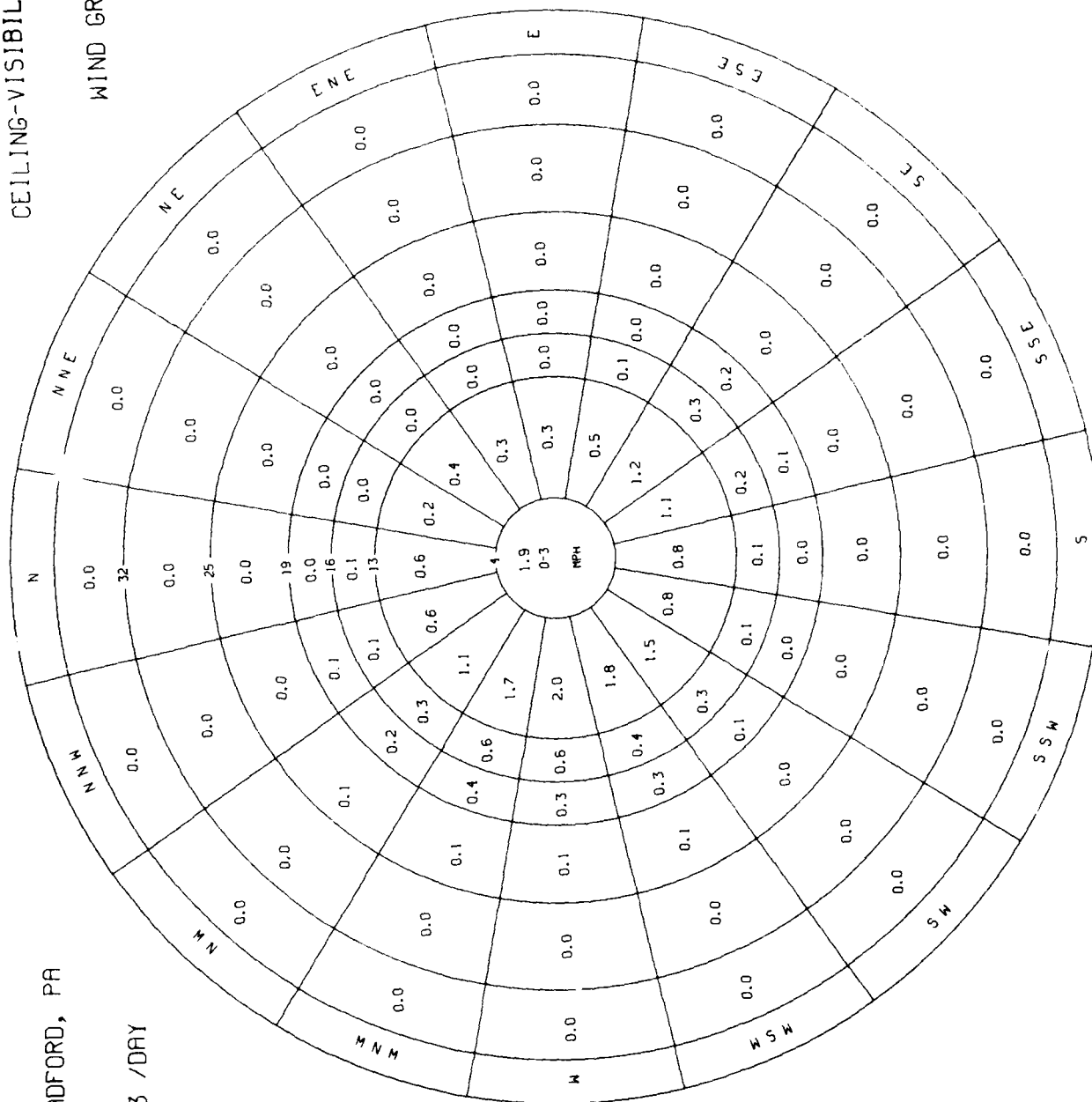
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.3	.8	2.3	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.0 2.9
NNE	.0	.1	.4	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5 1.5
NE	.1	.2	.5	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6 1.9
ENE	.0	.1	.5	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6 1.7
E	.1	.2	.5	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.6 1.7
ESE	.1	.3	.6	1.8	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.8 2.5
SE	.3	1.0	2.0	5.9	.3	1.0	.2	.6	.0	.1	.0	.0	.0	.0	3.0 8.6
SSE	.1	.4	1.6	4.6	.2	.7	.2	.6	.0	.1	.0	.0	.0	.0	2.2 6.4
S	.2	.5	1.1	3.2	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.4 4.0
SSW	.1	.3	.8	2.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.9 2.8
SW	.3	.8	1.8	5.3	.3	.7	.1	.2	.0	.1	.0	.0	.0	.0	2.5 7.2
WSW	.1	.3	2.2	6.6	.4	1.1	.3	.8	.1	.2	.0	.0	.0	.0	3.1 8.9
W	.2	.5	3.0	8.8	.8	2.2	.4	1.3	.1	.4	.0	.1	.0	.0	4.5 13.2
WNNW	.1	.4	2.3	6.8	.7	1.9	.5	1.3	.1	.4	.0	.1	.0	.0	3.8 11.0
NW	.1	.3	1.8	5.4	.4	1.2	.3	.8	.1	.2	.0	.1	.0	.0	2.7 7.9
NNW	.1	.2	.7	2.2	.1	.4	.1	.3	.0	.1	.0	.0	.0	.0	1.1 3.2
CALM	5.0	14.7													5.0 14.7
TOTAL	7.1	20.7	20.7	60.5	3.6	10.6	2.2	6.4	.5	1.5	.1	.3	.0	.0	34.2 100

CEILING-VISIBILITY

WIND GRAPH

BFD BRADFORD, PA

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 3 / DAY

STATION NUMBER: 04751

NO. OBS.: 7330

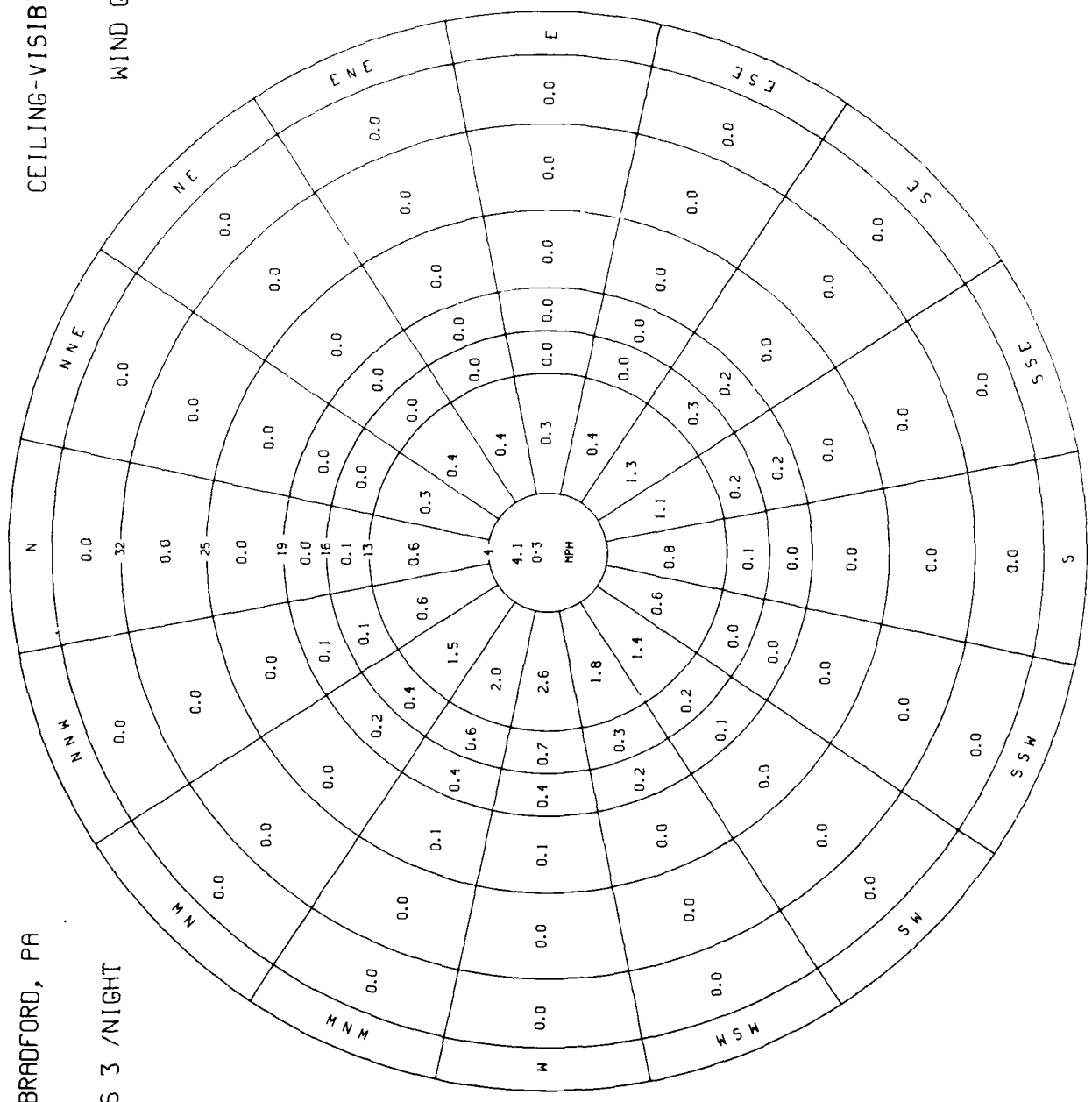
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.2	.6	2.8	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.5	9.0
NNE	.0	.1	.2	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.4	9.1
NE	.0	.1	.4	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.0	8.6
ENE	.0	.1	.3	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.5	8.3
E	.0	.2	.3	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.6	8.2
ESE	.0	.2	.5	2.2	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.8	9.0
SE	.1	.6	1.2	5.5	.3	1.4	.2	.8	.0	.1	.0	.0	.0	.0	.0	.0	1.9	8.5	10.1
SSE	.1	.2	1.1	4.8	.2	1.0	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	1.5	6.8	10.3
S	.1	.5	.8	3.6	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.6	8.3
SSW	.0	.2	.8	3.4	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.0	8.5
SW	.1	.5	1.5	6.8	.3	1.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	2.0	9.0	9.6
WSW	.1	.4	1.8	8.0	.4	1.8	.3	1.1	.1	.3	.0	.1	.0	.0	.0	.0	2.6	11.7	10.8
W	.1	.3	2.0	8.8	.6	2.7	.3	1.6	.1	.4	.0	.1	.0	.0	.0	.0	3.1	13.8	11.2
WNW	.1	.2	1.7	7.8	.6	2.5	.4	1.6	.1	.4	.0	.0	.0	.0	.0	.0	2.8	12.5	11.5
NW	.1	.2	1.1	5.1	.3	1.4	.2	1.0	.1	.2	.0	.1	.0	.0	.0	.0	1.8	8.1	11.3
NNW	.0	.2	.6	2.7	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.9	3.8	9.8
CALM	1.0	4.3															1.0	4.3	
TOTAL	1.9	8.6	10.0	66.8	3.2	14.3	1.9	8.4	.4	1.7	.1	.2	.0	.0	.0	.0	22.5	100	9.8

BFD BRADFORD, PA

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 3 / NIGHT

STATION NUMBER: 04751

NO. OBS.: 7325

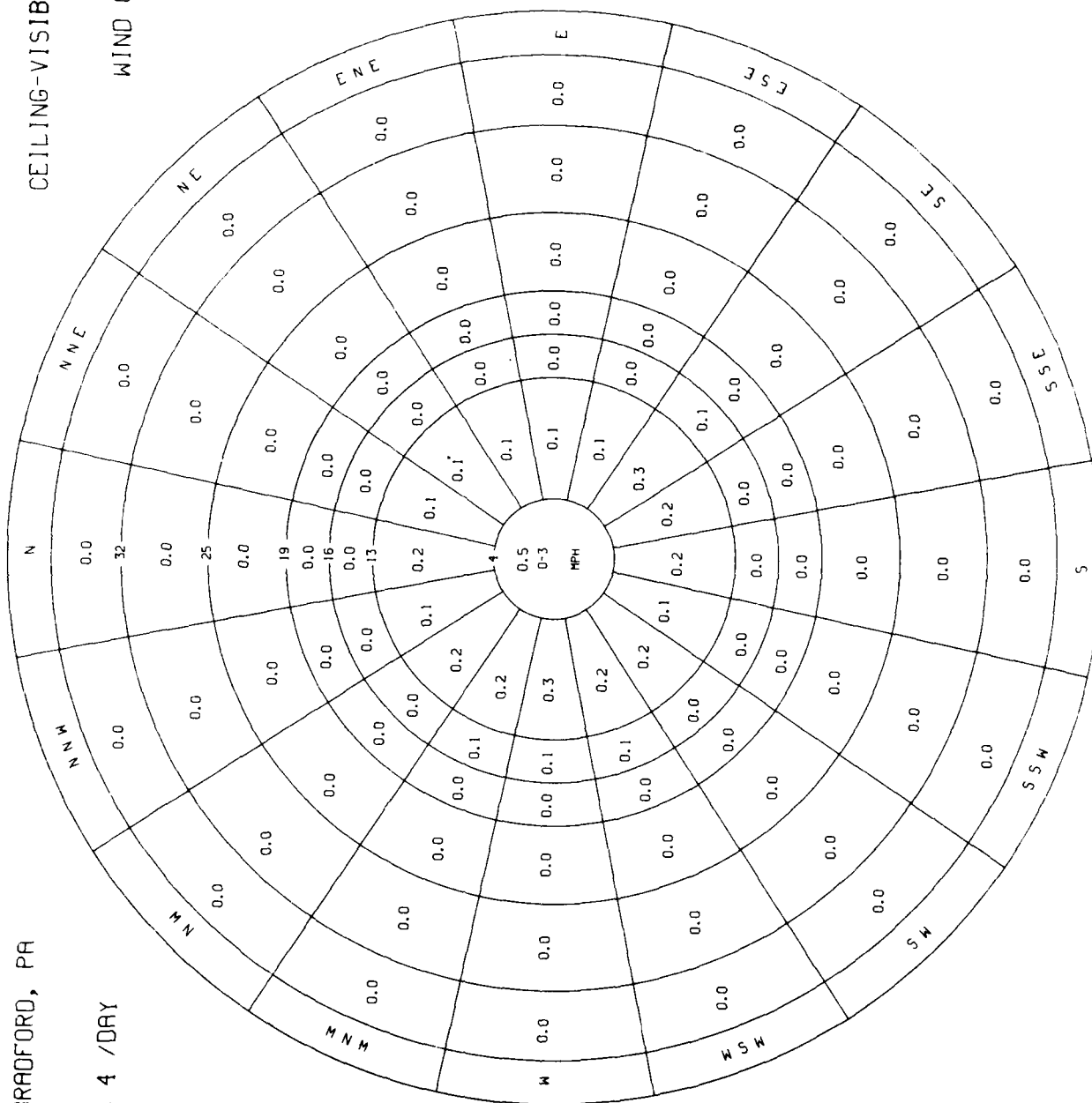
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.3	.6	2.2	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 2.8
NNE	.0	.1	.3	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.5
NE	.0	.2	.4	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.7
ENE	.0	.1	.4	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.7
E	.0	.2	.3	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 1.5
ESE	.1	.2	.4	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 2.1
SE	.2	.7	1.3	5.2	.3	1.0	.2	.6	.0	.1	.0	.0	.0	.0	2.0 7.7
SSE	.1	.4	1.1	4.2	.2	.7	.2	.7	.0	.1	.0	.0	.0	.0	1.6 6.1
S	.1	.5	.8	3.1	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.0 4.0
SSW	.1	.3	.6	2.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 2.9
SW	.2	.8	1.4	5.6	.2	.9	.1	.3	.0	.1	.0	.0	.0	.0	2.0 7.8
WSW	.1	.2	1.8	7.1	.3	1.3	.2	.9	.0	.2	.0	.0	.0	.0	2.5 9.7
W	.1	.5	2.6	10.1	.7	2.8	.4	1.4	.1	.3	.0	.0	.0	.0	3.8 15.1
WNW	.1	.4	2.0	7.9	.6	2.2	.4	1.6	.1	.5	.0	.0	.0	.0	3.2 12.6
NW	.1	.3	1.5	6.0	.4	1.5	.2	.9	.0	.2	.0	.0	.0	.0	2.2 8.8
NNW	.1	.2	.6	2.3	.1	.5	.1	.3	.0	.1	.0	.0	.0	.0	.9 3.4
CALM	2.7	10.5													2.7 10.5
TOTAL	4.1	15.9	16.0	62.8	3.1	12.3	1.9	7.3	.4	1.5	.0	.2	.0	.0	25.5 100

BFD BRADFORD, PA

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1958-1978

STATION NAME: BFD BRADFORD, PA

CLASS 4 / DAY

NO. OBS.: 1248

STATION NUMBER: 04751

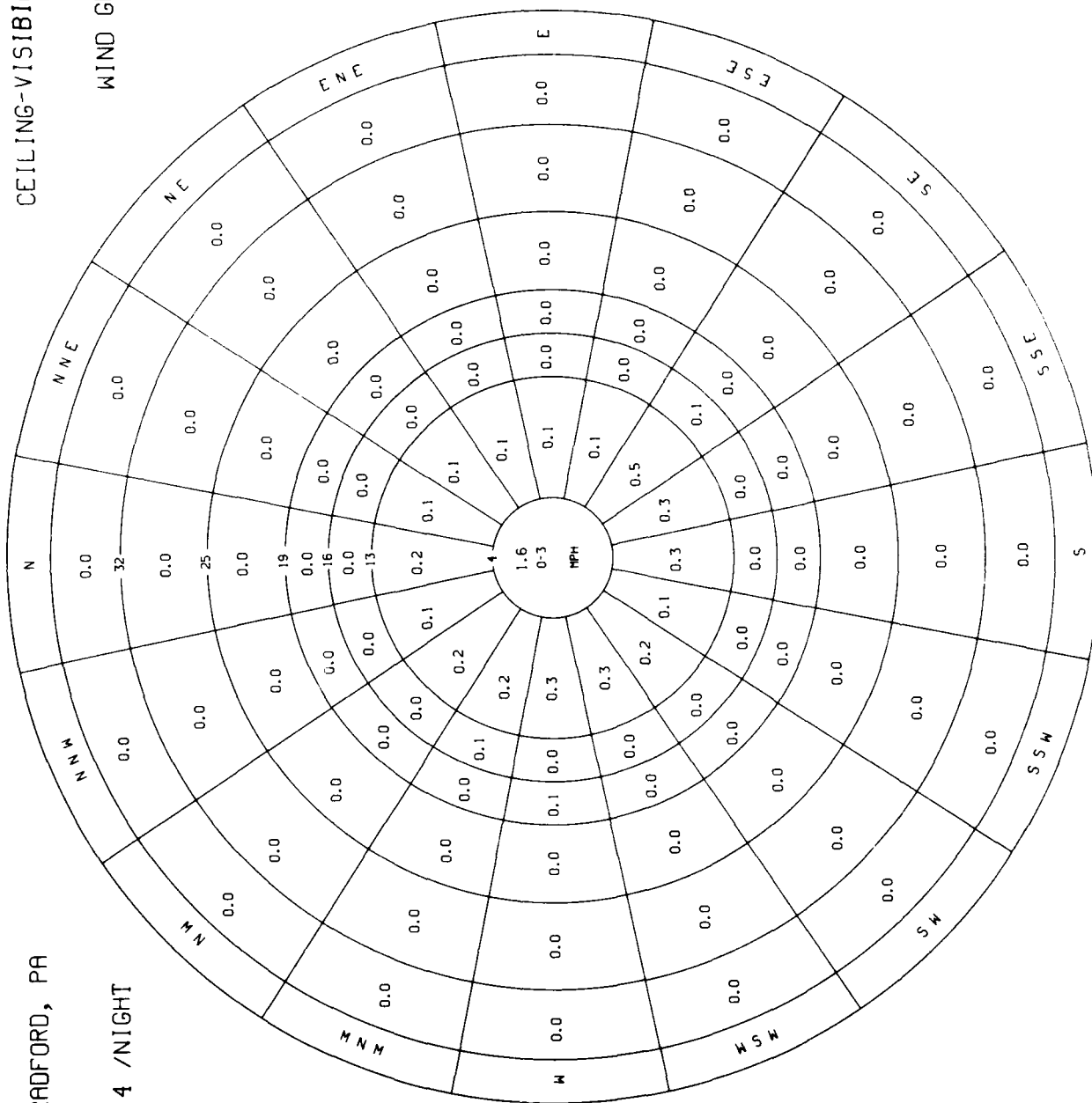
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.4	.2	5.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.2	6.3	8.4
NNE	.0	.0	.1	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.8	9.6
NE	.0	.2	.1	2.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.4	8.8
ENE	.0	.2	.1	2.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.0	8.2
E	.0	.2	.1	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	8.8
ESE	.0	.2	.1	3.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.5	8.3
SE	.0	1.0	.3	7.6	.1	1.4	.0	.6	.0	.0	.0	.0	.0	.0	.4	10.7	9.0
SSE	.0	.1	.2	6.2	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	7.4	9.4
S	.0	.2	.2	5.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.3	7.7
SSW	.0	.3	.1	2.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	.1	3.1	7.8
SW	.0	1.1	.2	6.0	.0	.9	.0	.4	.0	.1	.0	.0	.0	.0	.3	8.5	8.5
WSW	.0	.2	.2	5.9	.1	1.5	.0	.8	.0	.2	.0	.0	.0	.0	.3	8.7	10.4
W	.0	.2	.3	7.1	.1	1.7	.0	1.2	.0	.6	.0	.0	.0	.0	.4	10.7	11.4
WNW	.0	.0	.2	4.5	.1	2.0	.0	1.0	.0	.8	.0	.2	.0	.2	.3	8.7	13.3
NW	.0	.3	.2	4.0	.0	.6	.0	1.0	.0	.2	.0	.2	.0	.1	.2	6.4	10.8
NNW	.0	.2	.1	2.2	.0	.1	.0	.4	.0	.2	.0	.0	.0	.0	.1	3.0	9.8
CALM	.3	8.4													.3	8.4	
TOTAL	.5	13.1	2.6	67.2	.4	10.6	.2	6.3	.1	2.1	.0	.4	.0	.3	3.8	100	8.9

CEILING-VISIBILITY

WIND GRAPH

BFO BRADFORD, PA

CLASS 4 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

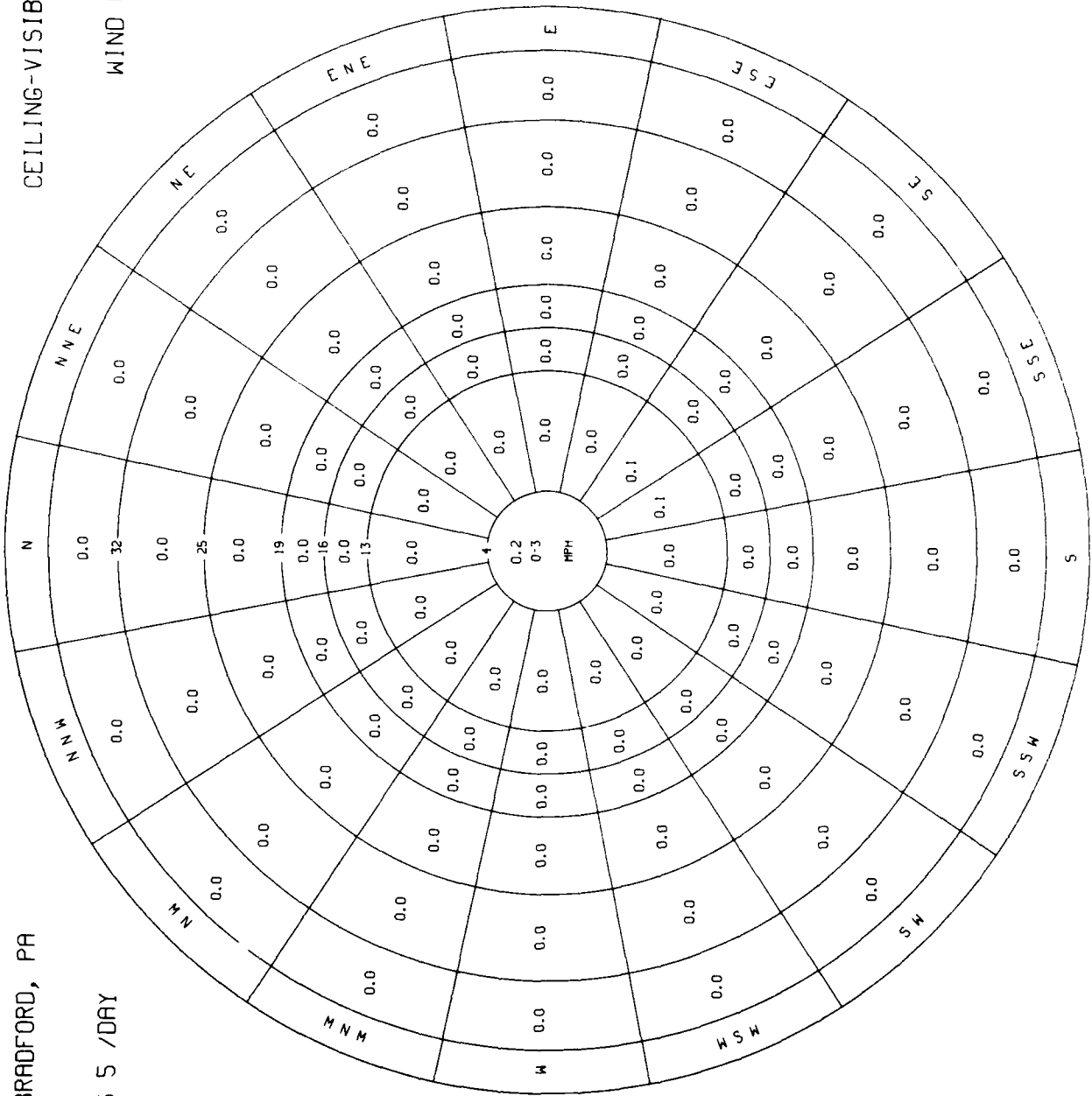
CLASS 4 / NIGHT

STATION NUMBER: 04751

N.O. OBS.: 1651

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.2	3.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.5	9.0
NNE	.0	.1	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.4	9.7
NE	.0	.2	.1	1.8	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.5	8.9
ENE	.0	.2	.1	1.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.9	8.2
E	.0	.2	.1	1.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.2	7.1
ESE	.0	.3	.1	2.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	8.1
SE	.1	1.2	.5	8.1	.1	1.0	.0	.7	.0	.1	.0	.0	.0	.0	.6	11.0	8.9
SSE	.0	.5	.3	6.0	.0	.8	.0	.3	.0	.1	.0	.0	.0	.0	.4	7.6	8.6
S	.0	.5	.3	4.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	5.2	7.3
SSW	.0	.1	.1	2.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	2.6	8.6
SW	.0	.4	.2	4.2	.0	.3	.0	.1	.0	.2	.0	.0	.0	.0	.3	5.2	8.4
WSW	.0	.7	.3	5.5	.0	.5	.0	.5	.0	.1	.0	.0	.0	.0	.4	7.3	8.9
W	.0	.5	.3	5.6	.0	.7	.1	1.1	.0	.7	.0	.2	.0	.0	.5	8.8	11.4
WNW	.0	.4	.2	3.9	.1	1.5	.0	.8	.0	.5	.0	.2	.0	.0	.4	7.4	11.9
NW	.0	.4	.2	3.5	.0	.7	.0	.5	.0	.3	.0	.2	.0	.0	.3	5.7	11.2
NNW	.0	.1	.1	1.6	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.4	9.7
CALM	1.3	22.0													1.3	22.0	
TOTAL	1.6	28.0	3.3	57.2	.4	7.0	.3	4.9	.1	2.1	.0	.7	.0	.1	5.7	100	7.3

BFD BRADFORD, PA
 CLASS 5 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFO BRADFORD, PA

PERIOD: 1958-1978

STATION NUMBER: 04751

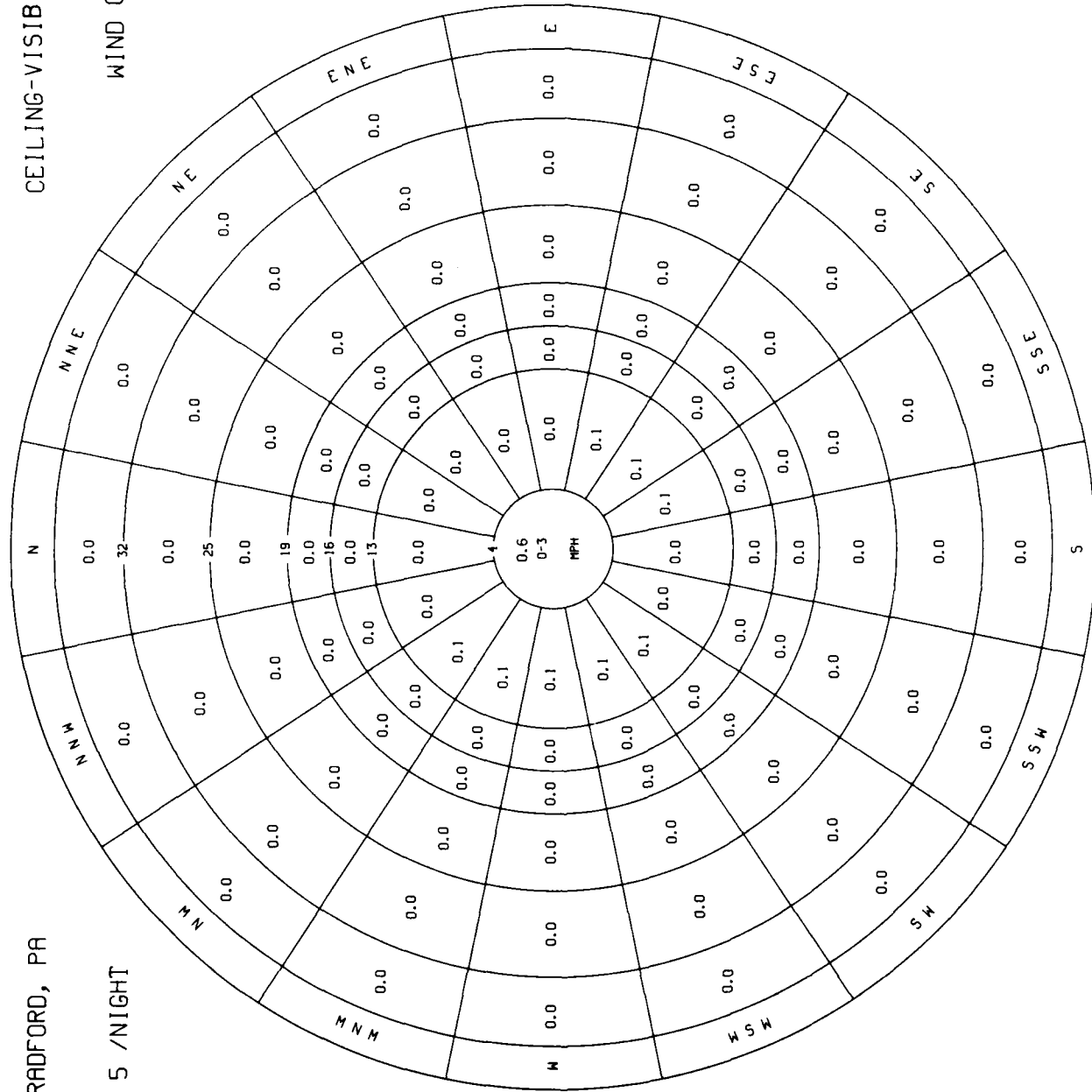
NO. OBS.: 278

CLASS 5 / DAY

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	2.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	3.6
NNE	.0	.0	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	1.1
NE	.0	.0	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	1.8
ENE	.0	.0	.0	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.5
E	.0	.7	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
ESE	.0	.4	.0	3.6	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	4.7
SE	.0	1.1	.1	9.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.1	11.2
SSE	.0	.7	.1	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8
S	.0	1.4	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8
SSW	.0	.7	.0	4.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	5.8
SW	.0	1.1	.0	3.6	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	5.4
WSW	.0	.7	.0	4.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.1	6.8
W	.0	.0	.0	2.9	.0	2.9	.0	1.8	.0	.7	.0	.0	.0	.1	8.3
WNW	.0	.0	.0	4.7	.0	.7	.0	.7	.0	1.1	.0	.0	.0	.1	7.2
NW	.0	.0	.0	3.2	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	4.0
NNW	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
CALM	.2	17.6													17.6
TOTAL	.2	24.5	5	60.1	.1	7.2	.0	4.7	.0	3.6	.0	.0	.0	.9	100
															7.4

CEILING-VISIBILITY

WIND GRAPH



BFD BRADFORD, PA

CLASS 5 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 5 / NIGHT

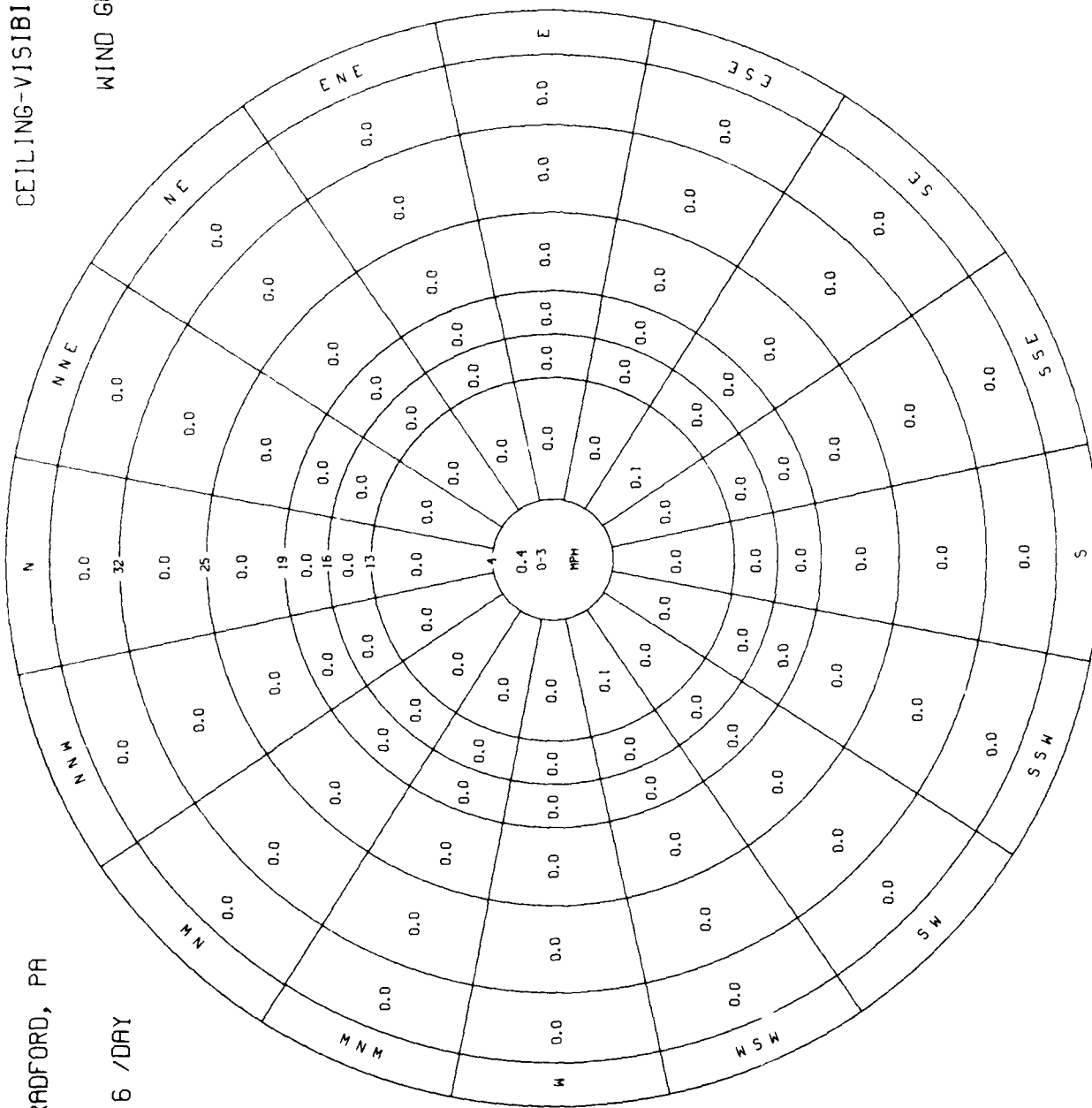
STATION NUMBER: 04751

NO. OBS.: 472

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.0	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
NNE	.0	.2	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
NE	.0	.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
ENE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
E	.0	.6	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
ESE	.0	.8	.1	3.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.4
SE	.0	2.8	.1	8.3	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.2 12.5
SSE	.0	.8	.1	6.4	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.1 8.5
S	.0	.2	.0	1.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0 2.3
SSW	.0	.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
SW	.0	.8	.1	5.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 6.4
WSW	.0	.4	.1	4.0	.0	.6	.0	.2	.0	.0	.0	.2	.0	.0	.1 5.5
W	.0	.6	.1	5.3	.0	.8	.0	.4	.0	.0	.0	.4	.0	.0	.1 7.6
WNW	.0	.6	.1	3.2	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.4
NW	.0	1.1	.1	3.6	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1 5.3
NNW	.0	.2	.0	3.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1 3.4
CALM	.5	28.0													.5 28.0
TOTAL	.6	38.3	.9	53.2	.1	4.7	.1	3.2	.0	.4	.0	.2	.0	.0	1.6 100

CEILING-VISIBILITY

WIND GRAPH



BFD BRADFORD, PA

CLASS 6 /DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 6 / DAY

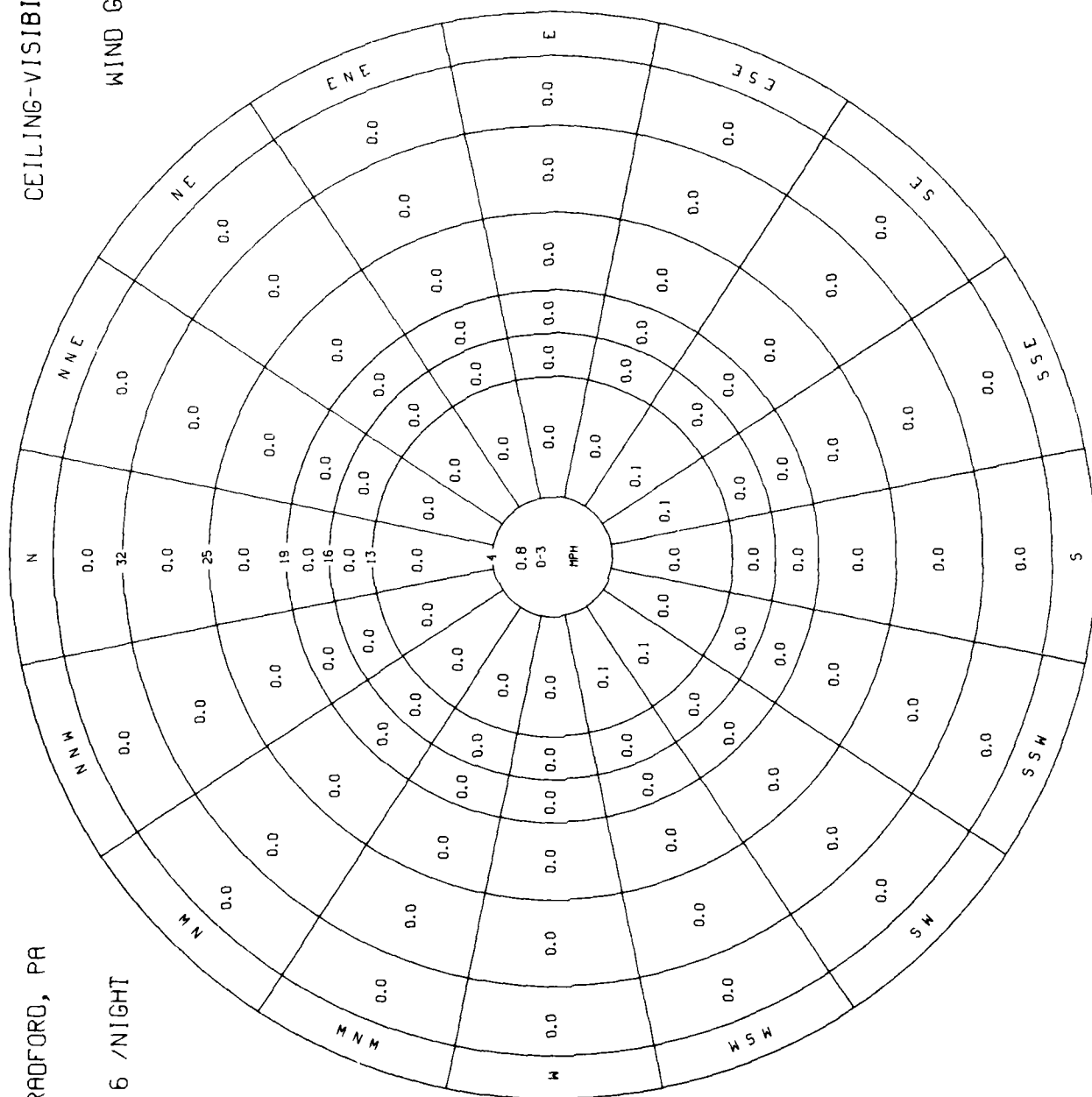
STATION NUMBER: 04751

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	
N	.0	.7	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
NNE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
NE	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
ENE	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
E	.0	.4	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 1.5
ESE	.0	.4	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.0
SE	.0	3.0	.1	6.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.1
SSE	.0	1.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
S	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSW	.0	1.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
SW	.0	.7	.0	4.9	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.1 6.3
WSW	.0	1.5	.1	6.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.3
W	.0	1.9	.0	4.1	.0	.0	.0	.7	.0	.4	.0	.0	.0	.0	.1 7.1
WNW	.0	.4	.0	2.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.0 4.1
NW	.0	.7	.0	1.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0 3.4
NNW	.0	.4	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.3	36.6													.3 36.6
TOTAL	.4	51.5	.3	42.5	.0	2.6	.0	1.9	.0	.7	.0	.4	.0	.4	.8 10.0

BFD BRADFORD, PA

CLASS 6 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BFD BRADFORD, PA

PERIOD: 1958-1978

CLASS 6 / NIGHT

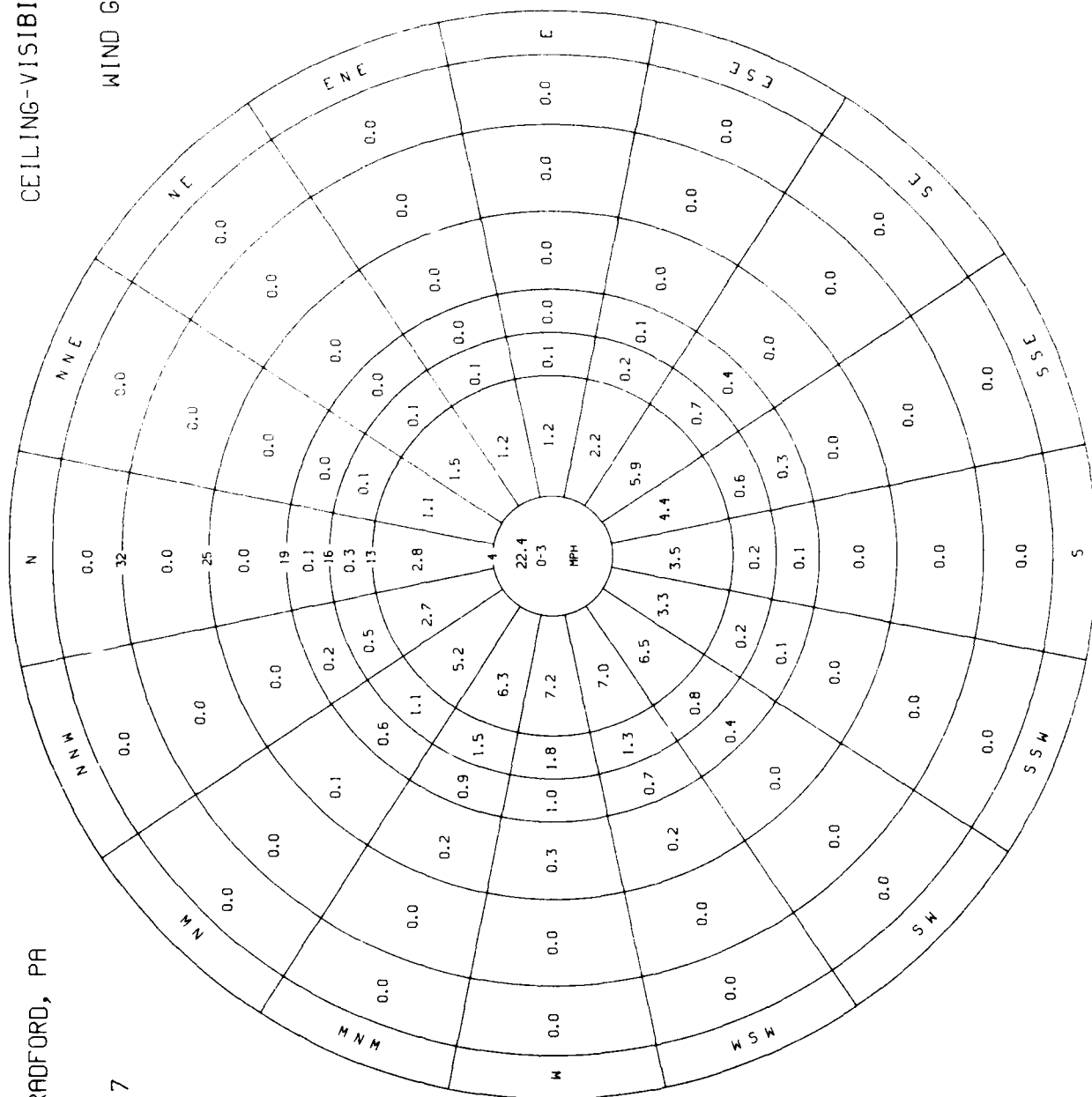
STATION NUMBER: 04751

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			C	D
N	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.3
NNE	.0	.2	.0	.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.8
NE	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	4.7
ENE	.0	.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.5
E	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.6
ESE	.0	.5	.0	3.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	4.2	7.3
SE	.0	3.2	.1	7.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.2	6.1
SSE	.0	.2	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	6.8
S	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.2
SSW	.0	.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.8
SW	.0	2.0	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.2	5.9
WSW	.0	.7	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.1	4.7	7.2
W	.0	.5	.0	2.7	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	3.5	7.6
WNW	.0	.2	.0	2.2	.0	.0	.0	.2	.0	.5	.0	.2	.0	.0	.0	.0	3.5	11.4
NW	.0	.2	.0	3.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.1	4.0	8.3
NNW	.0	.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.0
CALM	.6	44.3														.6	44.3	
TOTAL	.8	56.0	.6	41.0	.0	.7	.0	1.0	.0	.7	.0	.5	.0	.0	.0	1.4	100	3.8

BFD BRADFORD, PA

CLASS 7

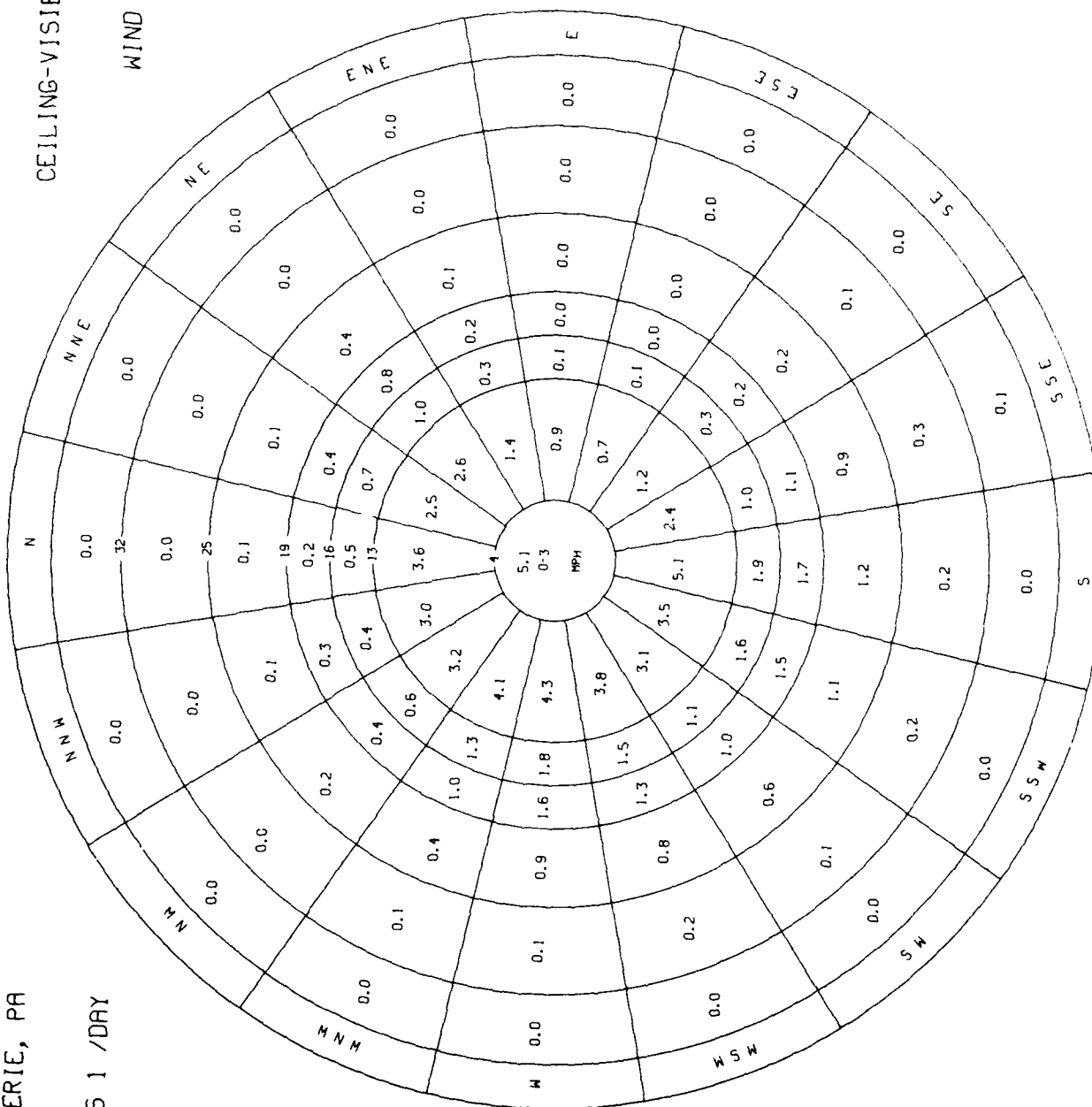


ERI ERIE, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 1 / DAY

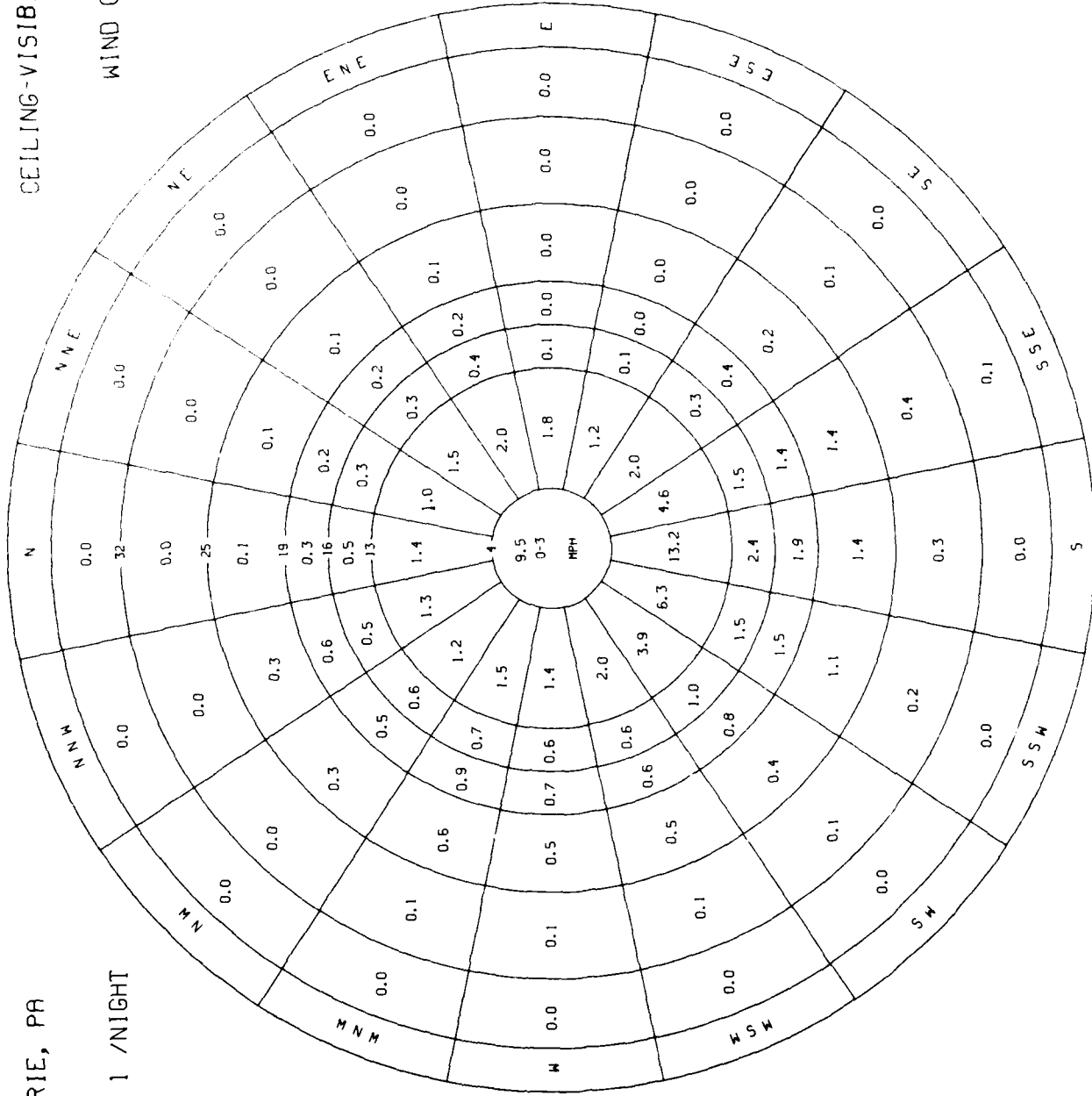
STATION NUMBER: 14860

NO. OBS.: 40885

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		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	.2	3.6	4.2	.5	.6	.2	.2	.1	.1	.0	.0	.0	.0	4.5	5.3	9.4
NNE	.1	.1	2.5	2.9	.7	.8	.4	.5	.1	.1	.0	.0	.0	.0	3.9	4.5	11.0
NE	.1	.2	2.6	3.1	1.0	1.2	.8	.9	.4	.4	.0	.0	.0	.0	4.9	5.8	12.0
ENE	.1	.1	1.4	1.6	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.1	2.5	10.5
E	.1	.1	.9	1.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.2	1.4	8.1
ESE	.1	.1	.7	.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	8.5
SE	.2	.2	1.2	1.4	.3	.4	.2	.3	.2	.3	.1	.1	.0	.0	2.2	2.6	11.6
SSE	.2	.2	2.4	2.8	1.0	1.1	1.1	1.3	.9	1.0	.3	.4	.1	.1	5.9	6.9	14.2
S	.4	.5	5.1	6.0	1.9	2.3	1.7	2.0	1.2	1.4	.2	.3	.0	.0	10.6	12.5	12.7
SSW	.2	.2	3.5	4.1	1.6	1.8	1.5	1.7	1.1	1.2	.2	.3	.0	.0	8.0	9.4	13.5
SW	.3	.4	3.1	3.6	1.1	1.3	1.0	1.1	.6	.7	.1	.1	.0	.0	6.2	7.3	12.2
WSW	.2	.2	3.8	4.5	1.5	1.8	1.3	1.5	.8	.9	.2	.2	.0	.0	7.8	9.2	12.7
W	.2	.3	4.3	5.0	1.8	2.1	1.6	1.9	.9	1.0	.1	.1	.0	.0	8.9	10.5	12.7
WNW	.2	.2	4.1	4.8	1.3	1.5	1.0	1.2	.4	.5	.1	.1	.0	.0	7.0	8.2	11.7
NW	.2	.2	3.2	3.8	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	4.6	5.4	10.2
NNW	.2	.2	3.0	3.5	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	4.0	4.7	9.7
CALM	2.2	2.6													2.2	2.6	
TOTAL	5.1	6.0	45.4	53.5	14.2	16.7	11.8	13.8	7.0	8.2	1.4	1.6	.2	.2	85.0	100	11.7

ERI ERIE, PA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: ERIE, PA

CLASS 1 / NIGHT

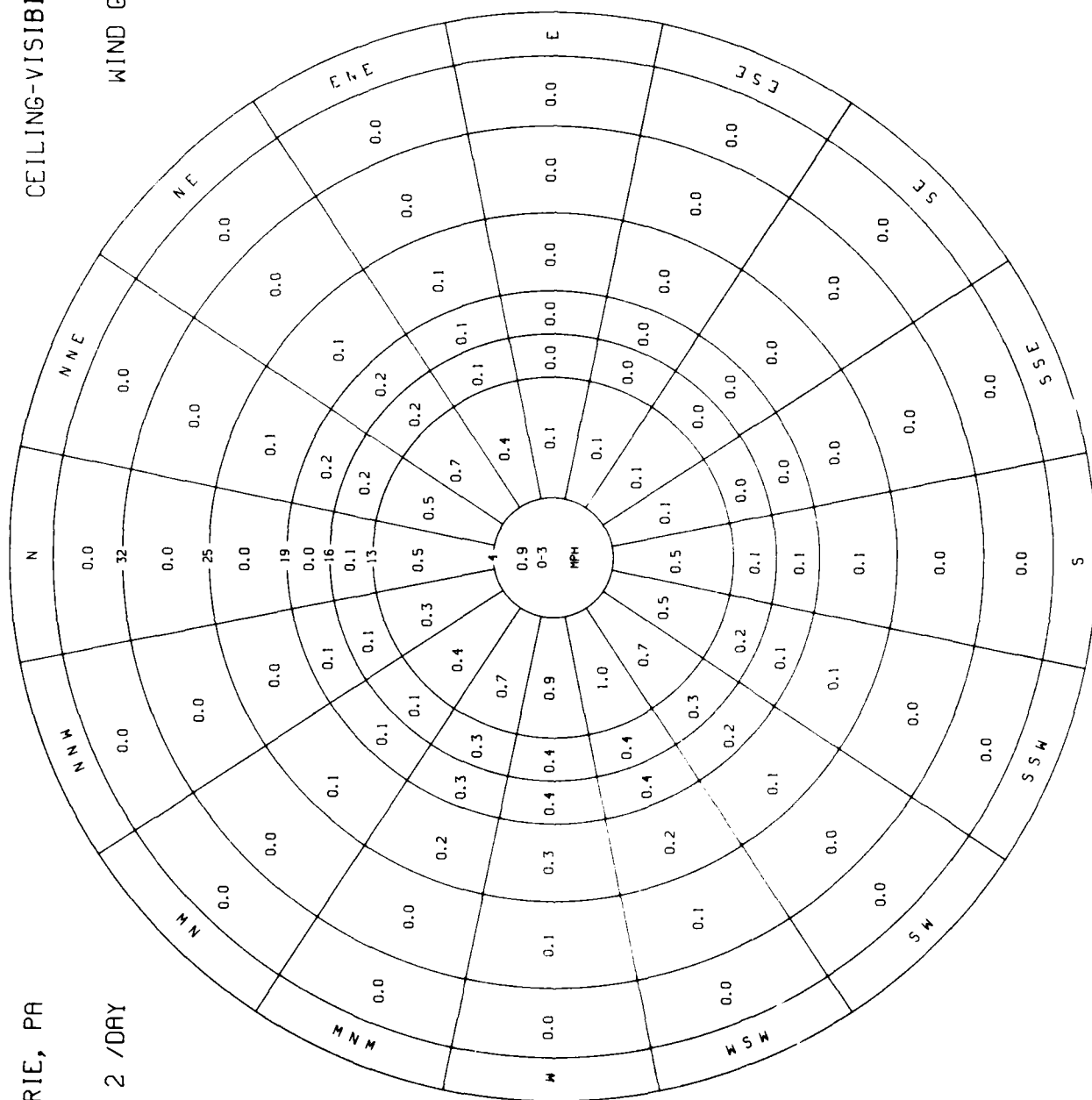
NO. OBS.: 36606

STATION NUMBER: 14860

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.1	1.4	1.7	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.4 2.7 11.1
NNE	.0	.1	1.0	1.1	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.6 1.8 10.9
NE	.2	.2	1.5	1.8	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.3 2.6 9.7
ENE	.2	.2	2.0	2.4	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.8 3.3 9.6
E	.3	.4	1.8	2.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2 2.6 7.0
ESE	.3	.3	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.8 6.8
SE	.4	.5	2.0	2.3	.3	.4	.4	.4	.2	.3	.1	.1	.0	.0	3.4 4.0 10.3
SSE	.5	.6	4.6	5.4	1.5	1.8	1.4	1.6	1.4	1.6	.4	.5	.1	.1	10.0 11.6 13.1
S	1.3	1.5	13.2	15.3	2.4	2.8	1.9	2.2	1.4	1.6	.3	.3	.0	.0	20.4 23.7 10.3
SSW	.4	.5	6.3	7.4	1.5	1.8	1.5	1.8	1.1	1.2	.2	.3	.0	.0	11.2 13.0 11.7
SW	.4	.5	3.9	4.6	1.0	1.2	.8	1.0	.4	.5	.1	.1	.0	.0	6.7 7.8 11.0
WSW	.1	.2	2.0	2.3	.6	.7	.6	.7	.5	.6	.1	.1	.0	.0	3.9 4.6 12.9
W	.1	.1	1.4	1.6	.6	.7	.7	.8	.5	.6	.1	.1	.0	.0	3.4 4.0 13.8
WNW	.1	.1	1.5	1.8	.7	.8	.9	1.0	.6	.7	.1	.1	.0	.0	3.9 4.5 14.1
NW	.1	.1	1.2	1.4	.6	.7	.5	.6	.3	.3	.0	.1	.0	.0	2.6 3.0 13.1
NNW	.1	.1	1.3	1.5	.5	.6	.6	.6	.3	.3	.0	.0	.0	.0	2.7 3.2 13.0
CALM	5.0	5.8													5.0 5.8
TOTAL	9.5	11.1	46.4	53.8	11.4	13.3	10.1	11.8	7.0	8.1	1.4	1.7	.3	.3	86.2 100 10.7

ERI ERIE, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 2 / DAY

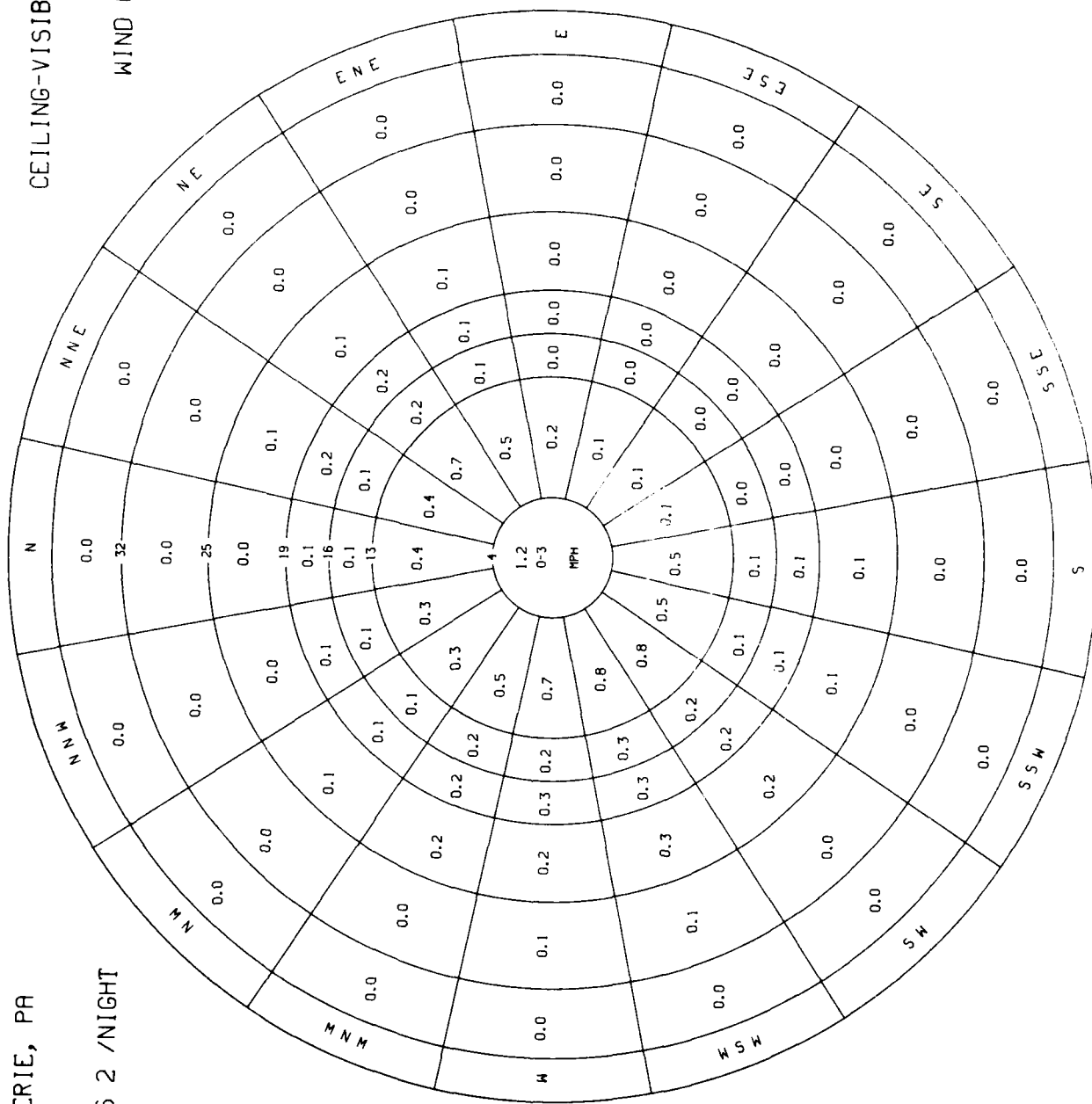
STATION NUMBER: 14860

NO. OBS.: 7218

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		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	3.4	.1	.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.8	5.0	10.3
NNE	.0	.2	.5	3.5	.2	1.4	.2	1.1	.1	.6	.0	.1	.0	.0	.0	1.0	6.9	12.3
NE	.1	.3	.7	4.7	.2	1.6	.2	1.6	.1	1.0	.0	.2	.0	.0	.0	1.4	9.5	12.6
ENE	.0	.2	.4	2.8	.1	.8	.1	.8	.1	.5	.0	.1	.0	.0	.0	.8	5.1	12.0
E	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	7.8
ESE	.0	.1	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	8.1
SE	.0	.2	.1	.6	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	1.0	9.4
SSE	.0	.2	.1	.9	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.3	1.8	12.1
S	.0	.3	.5	3.1	.1	.8	.1	.7	.1	.5	.0	.1	.0	.0	.0	.8	5.5	11.7
SSW	.0	.2	.5	3.3	.2	1.0	.1	.9	.1	.7	.0	.2	.0	.0	.0	.9	6.3	12.6
SW	.1	.4	.7	4.5	.3	1.7	.2	1.3	.1	.9	.0	.3	.0	.1	.0	1.4	9.2	12.5
WSW	.0	.3	1.0	6.7	.4	2.3	.4	2.5	.2	1.5	.1	.4	.0	.0	.0	2.0	13.7	13.1
W	.0	.2	.9	5.9	.4	2.7	.4	2.5	.3	1.9	.1	.4	.0	.1	.0	2.1	13.7	13.8
WNW	.0	.1	.7	4.4	.3	1.8	.3	1.7	.2	1.1	.0	.1	.0	.0	.0	1.4	9.3	13.0
NW	.0	.2	.4	2.8	.1	.9	.1	.7	.1	.4	.0	.1	.0	.0	.0	.8	5.0	11.5
NNW	.0	.2	.3	2.2	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.0	.5	3.6	10.9
CALM	.4	2.6														.4	2.6	
TOTAL	.9	6.1	7.5	50.2	2.5	16.7	2.2	14.9	1.5	9.7	.3	2.1	.1	.3	.0	15.0	100	12.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 2 / NIGHT

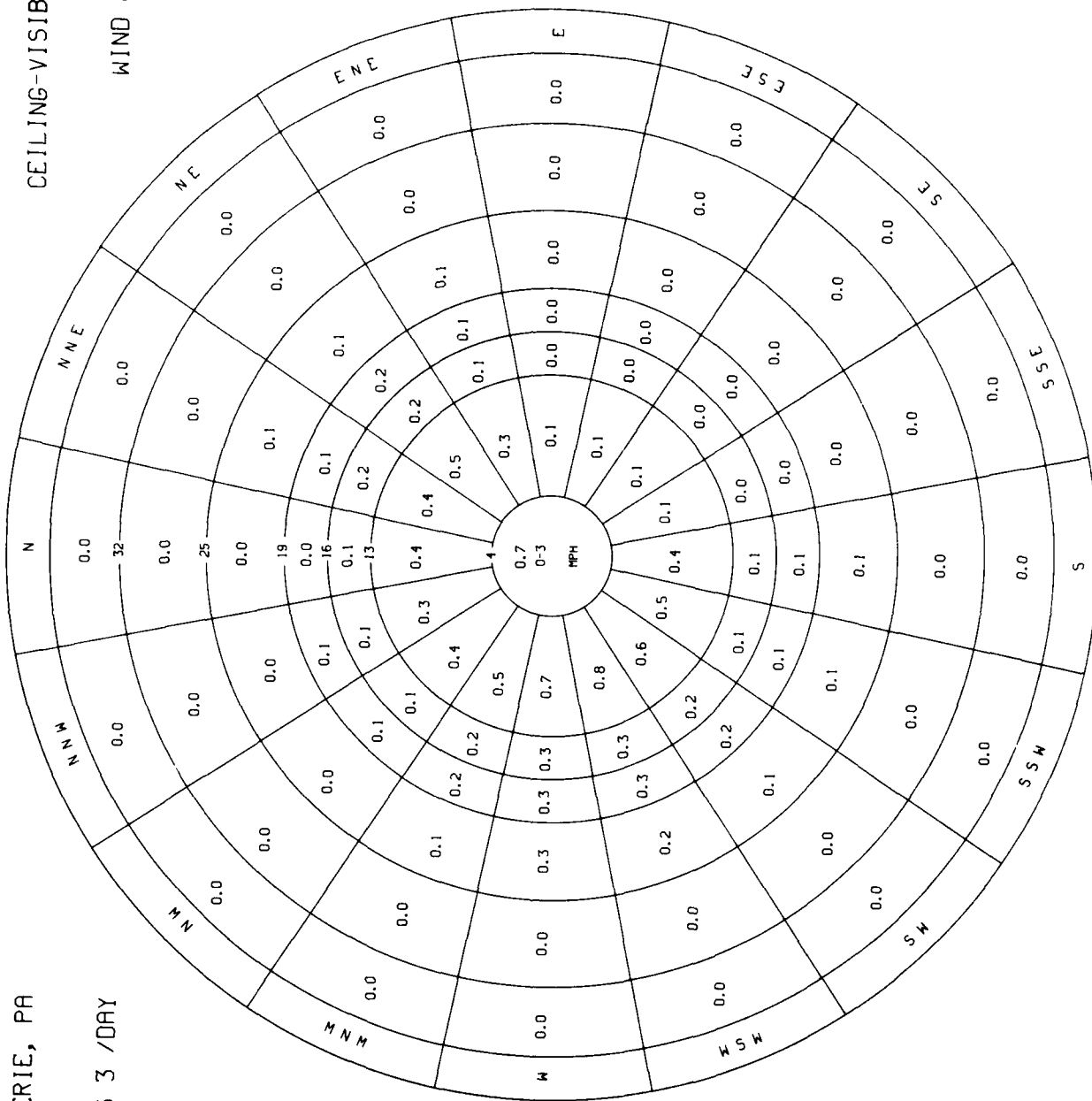
STATION NUMBER: 14860

NO. OBS.: 5849

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		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	2.9	.1	.7	.1	.6	.0	.3	.0	.0	.0	.0	.0	.6	4.7	11.2
NNE	.0	.2	.4	3.0	.1	1.0	.2	1.2	.1	.7	.0	.0	.0	.0	.0	.8	6.2	12.6
NE	.1	.6	.7	4.7	.2	1.4	.2	1.6	.1	1.0	.0	.3	.0	.0	.0	1.3	9.6	12.4
ENE	.0	.3	.5	3.4	.1	.8	.1	.8	.1	.8	.0	.1	.0	.0	.0	.8	6.0	11.9
E	.0	.3	.2	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.7	7.4
ESE	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.6
SE	.0	.4	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	1.3	8.4
SSE	.0	.2	.1	1.1	.0	.2	.0	.4	.0	.3	.0	.1	.0	.0	.0	.3	2.3	12.3
S	.1	.5	.5	3.5	.1	.8	.1	.5	.1	.5	.0	.1	.0	.0	.0	.8	5.7	10.4
SSW	.0	.3	.5	3.9	.1	1.0	.1	1.0	.1	.9	.0	.1	.0	.0	.0	1.0	7.1	12.0
SW	.1	.5	.8	5.7	.2	1.6	.2	1.7	.2	1.2	.0	.1	.0	.0	.0	1.5	10.9	11.8
WSW	.0	.2	.8	5.9	.3	2.1	.3	2.0	.3	2.0	.1	.5	.0	.0	.0	1.8	12.8	13.5
W	.0	.3	.7	4.8	.2	1.6	.3	2.0	.2	1.2	.1	.4	.0	.1	.0	1.4	10.4	13.4
WNW	.0	.2	.5	3.3	.2	1.2	.2	1.6	.2	1.1	.0	.2	.0	.0	.0	1.1	7.8	13.7
NW	.0	.1	.3	2.2	.1	.6	.1	.6	.1	.5	.0	.1	.0	.0	.0	.6	4.1	12.3
NNW	.0	.1	.3	2.1	.1	.6	.1	.7	.0	.3	.0	.1	.0	.0	.0	.5	3.9	12.4
CALM	.6	4.6														.6	4.6	
TOTAL	1.2	9.0	6.8	49.2	1.9	13.8	2.0	14.7	1.5	10.8	.3	2.1	.0	.3	.0	13.8	100	11.7

CEILING-VISIBILITY WIND GRAPH

ERI ERIE, PA
CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 3 / DAY

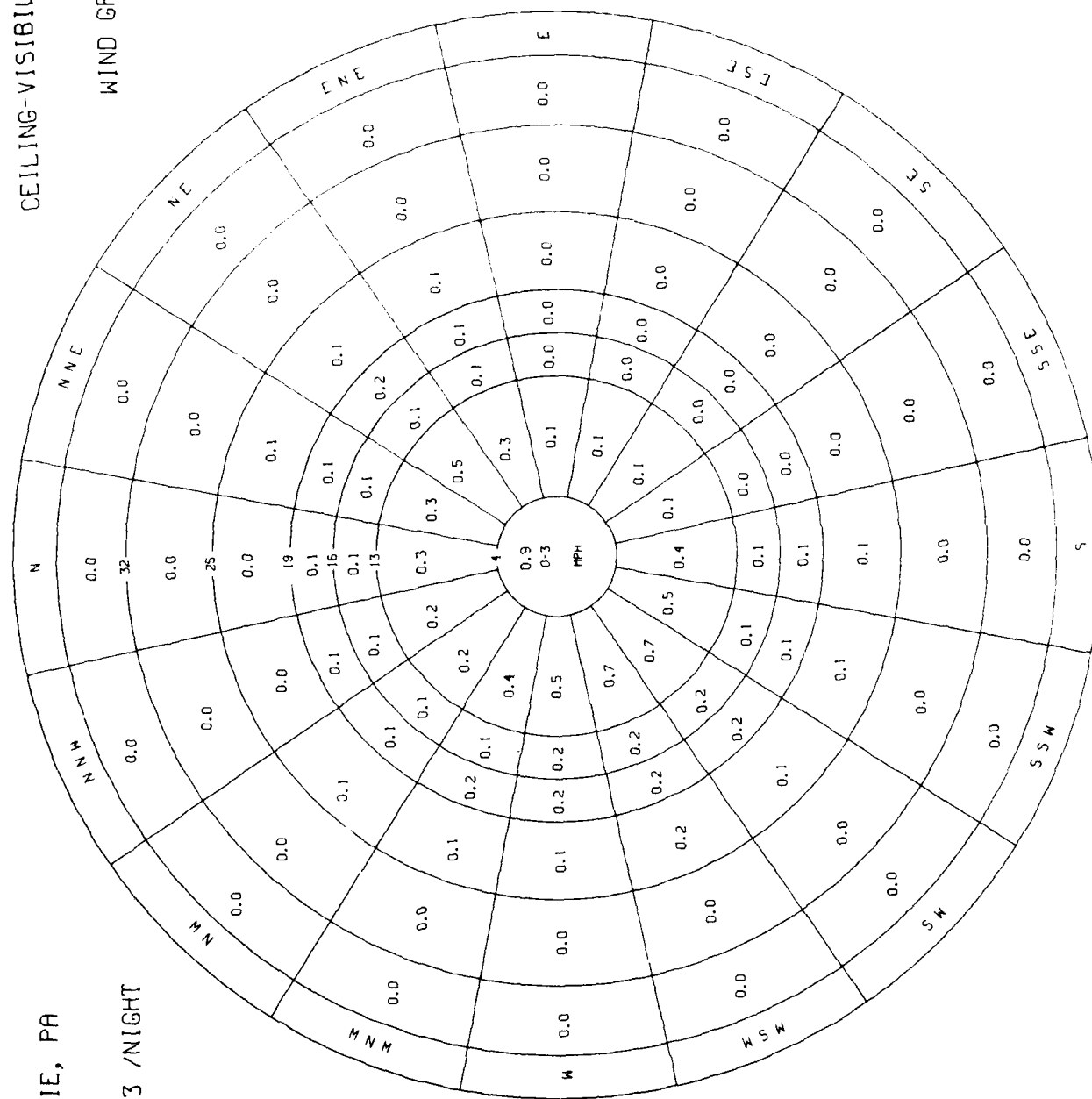
STATION NUMBER: 14860

NO. OBS.: 6040

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		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	3.4	.1	.7	.0	.3	.0	.3	.0	.0	.0	.0	.6	4.8	10.4
NNE	.0	.1	.4	3.2	.2	1.4	.1	1.0	.1	.6	.0	.0	.0	.0	.8	6.3	12.3
NE	.0	.3	.5	3.9	.2	1.5	.2	1.4	.1	1.0	.0	.2	.0	.0	1.0	8.3	12.8
ENE	.0	.2	.3	2.7	.1	.8	.1	.8	.1	.5	.0	.1	.0	.0	.6	5.0	11.9
E	.0	.2	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	8.0
ESE	.0	.1	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	8.2
SE	.0	.2	.1	.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.2	9.5
SSE	.0	.1	.1	.9	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.2	1.9	12.4
S	.0	.3	.4	3.5	.1	.9	.1	.8	.1	.5	.0	.1	.0	.0	.8	6.2	11.6
SSW	.0	.3	.5	3.6	.1	1.1	.1	.9	.1	.7	.0	.2	.0	.0	.9	6.9	12.4
SW	.1	.4	.6	4.8	.2	1.9	.2	1.3	.1	.8	.0	.2	.0	.0	1.2	9.5	12.2
WSW	.0	.2	.8	6.6	.3	2.5	.3	2.6	.2	1.4	.0	.4	.0	.0	1.7	13.7	13.2
W	.0	.2	.7	5.8	.3	2.8	.3	2.7	.3	2.0	.0	.4	.0	.0	1.7	13.9	13.9
WNW	.0	.1	.5	4.3	.2	1.8	.2	1.7	.1	1.2	.0	.1	.0	.0	1.2	9.2	13.1
NW	.0	.2	.4	2.8	.1	1.0	.1	.7	.0	.4	.0	.0	.0	.0	.6	5.1	11.6
NNW	.0	.1	.3	2.3	.1	.5	.1	.5	.0	.2	.0	.0	.0	.0	.5	3.7	11.1
CALM	.3	2.4													.3	2.4	
TOTAL	.7	5.6	6.3	50.0	2.2	17.4	1.9	15.1	1.2	9.9	.2	1.8	.0	.2	12.6	100	12.1

CEILING-VISIBILITY

WIND GRAPH



ERI ERIE, PA

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1941-1978

CLASS 3 / NIGHT

STATION NUMBER: 14860

NO. OBS.: 4736

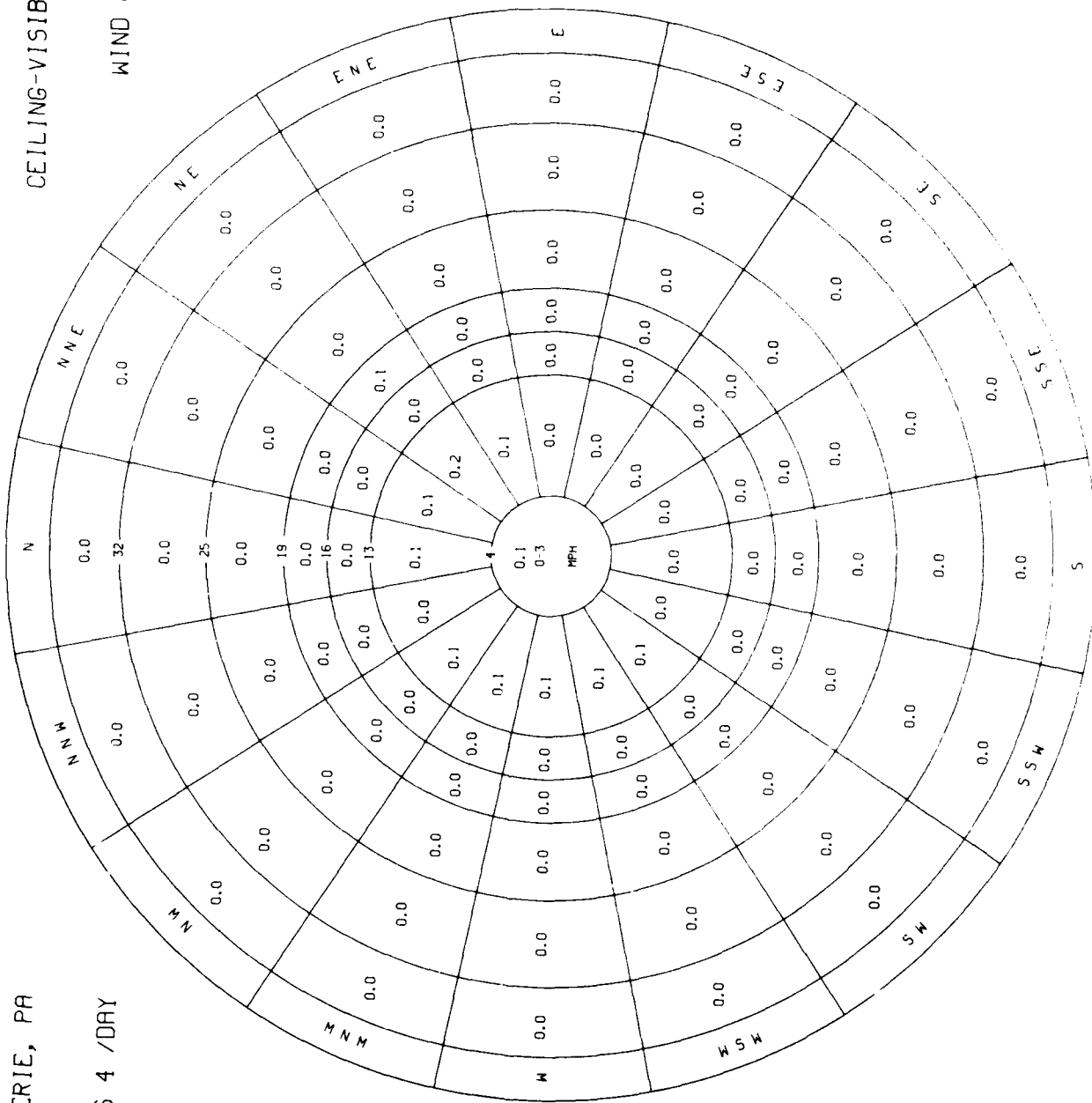
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.1	.3	2.8	.1	.8	.1	.6	.0	.3	.0	.0	.0	.0	.5 4.6 11.6
NNE	.0	.1	.3	2.6	.1	1.1	.1	1.1	.1	.7	.0	.0	.0	.0	.6 5.6 12.9
NE	.0	.4	.5	4.4	.1	1.2	.2	1.5	.1	.9	.0	.3	.0	.0	1.0 8.7 12.6
ENE	.0	.3	.3	3.0	.1	.7	.1	.7	.1	.7	.0	.1	.0	.0	.6 5.5 11.8
E	.0	.2	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5 7.5
ESE	.0	.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0 6.8
SE	.0	.4	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.5 8.3
SSE	.0	.3	.1	1.2	.0	.3	.0	.4	.0	.3	.0	.1	.0	.0	.3 2.4 11.9
S	.1	.6	.4	3.7	.1	.9	.1	.6	.1	.6	.0	.1	.0	.0	.7 6.4 10.5
SSW	.0	.2	.5	4.5	.1	1.1	.1	1.1	.1	.9	.0	.1	.0	.0	.9 7.9 11.9
SW	.1	.6	.7	6.4	.2	1.8	.2	1.9	.1	1.0	.0	.1	.0	.0	1.3 11.7 11.6
WSW	.0	.2	.7	5.8	.2	2.2	.2	2.2	.2	2.0	.0	.4	.0	.0	1.4 12.9 13.6
W	.0	.3	.5	4.2	.2	1.6	.2	2.1	.1	1.3	.0	.4	.0	.1	1.1 9.9 13.8
WNW	.0	.1	.4	3.4	.1	1.2	.2	1.9	.1	1.3	.0	.2	.0	.0	.9 8.2 13.9
NW	.0	.1	.2	2.0	.1	.6	.1	.7	.1	.5	.0	.1	.0	.0	.4 4.0 12.6
NNW	.0	.1	.2	2.2	.1	.6	.1	.8	.0	.3	.0	.1	.0	.0	.5 4.2 12.5
CALM	.5	4.1													.5 4.1
TOTAL	.9	8.4	5.4	48.8	1.6	14.2	1.7	15.6	1.2	10.9	.2	1.9	.0	.2	11.1 100 11.8

ERI ERIE, PA

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 14860

NO. OBS.: 864

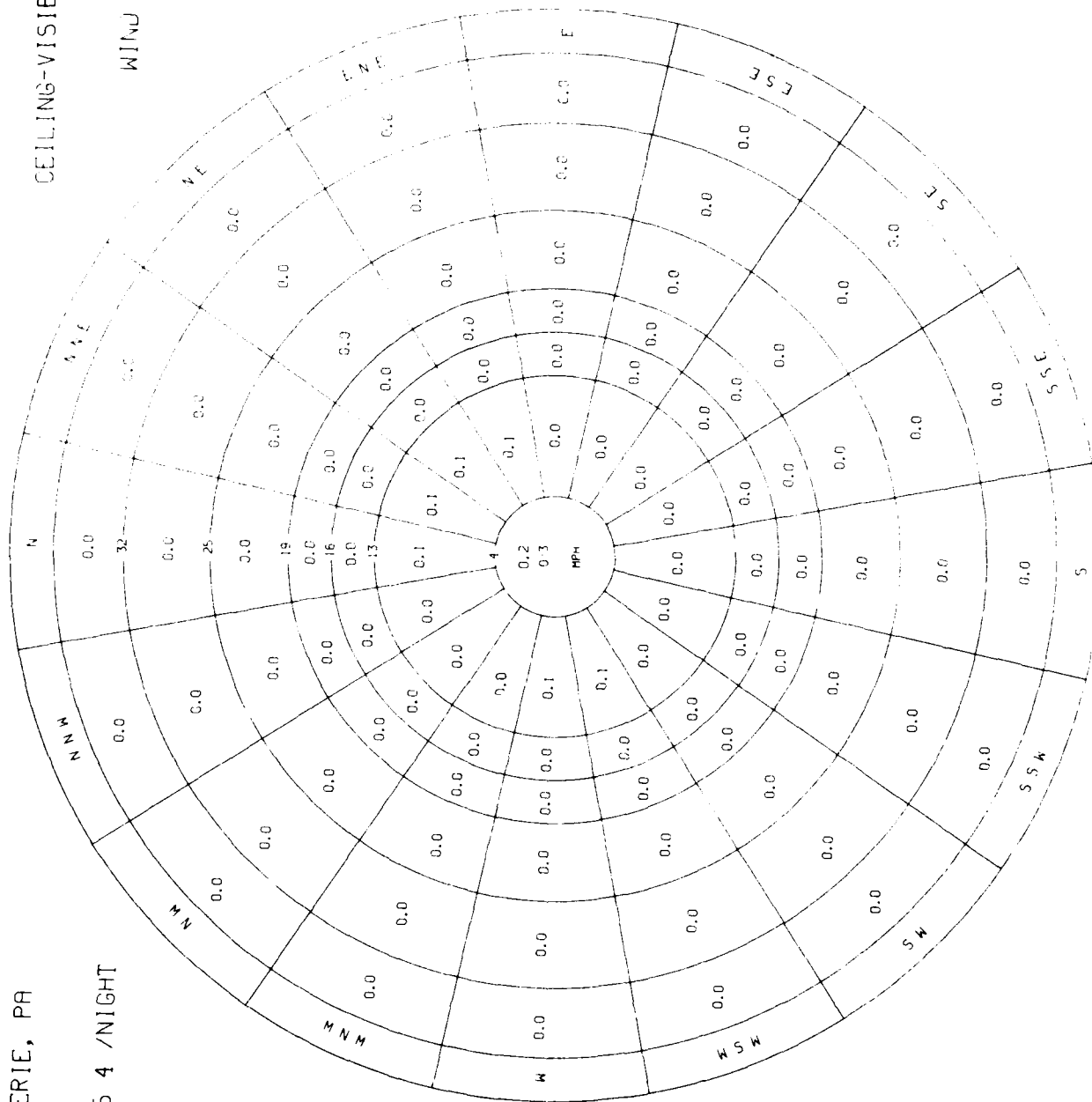
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.1	3.7	.0	1.0	.0	.5	.0	.7	.0	.0	.0	.0	.1 6.4
NNE	.0	.3	.1	5.2	.0	1.7	.0	2.0	.0	.9	.0	.3	.0	.0	.2 10.5
NE	.0	.6	.2	8.4	.0	2.7	.1	3.1	.0	1.2	.0	.5	.0	.0	.3 16.4
ENE	.0	.0	.1	3.6	.0	.9	.0	1.4	.0	.2	.0	.2	.0	.2	.1 6.6
E	.0	.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
ESE	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
SE	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
SSE	.0	.3	.0	.7	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0 1.5
S	.0	.0	.0	1.0	.0	.1	.0	.1	.0	.6	.0	.0	.0	.0	.0 1.9
SSW	.0	.0	.0	1.3	.0	.5	.0	.8	.0	.7	.0	.0	.0	.0	.1 3.2
SW	.0	.3	.1	3.0	.0	1.2	.0	1.5	.0	.8	.0	.2	.0	.1	.1 7.2
WSW	.0	.5	.1	7.3	.0	1.4	.0	1.5	.0	1.7	.0	.3	.0	.0	.2 12.7
W	.0	.5	.1	6.4	.0	2.2	.0	1.7	.0	1.7	.0	.6	.0	.1	.2 13.2
WNW	.0	.3	.1	4.3	.0	1.6	.0	1.7	.0	.7	.0	.3	.0	.3	.2 9.4
NW	.0	.0	.1	3.1	.0	.1	.0	.2	.0	.5	.0	.1	.0	.0	.1 4.1
NNW	.0	.2	.0	1.3	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.0 2.4
CALM	.1	3.0													.1 3.0
TOTAL	.1	6.7	.9	50.7	.3	14.0	.4	15.0	.2	9.8	.1	2.9	.0	.8	1.8 100

ERI ERIE, PA

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 14860

NO. OBS.: 789

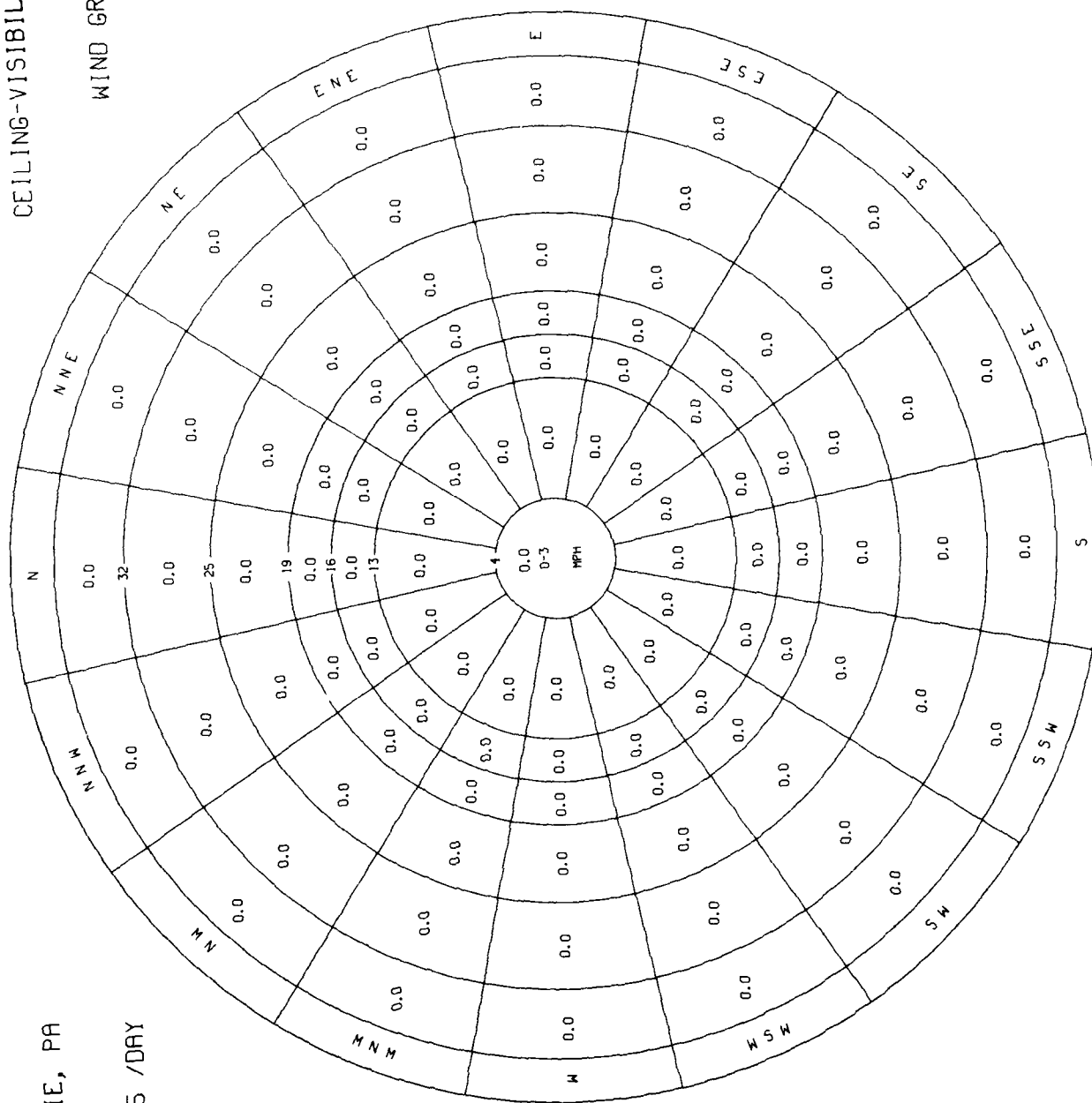
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.3	.1	3.4	.0	.5	.0	.8	.0	.3	.0	.0	.0	.0	.0	.1	5.2	10.7
NNE	.0	.3	.1	5.2	.0	.9	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.2	9.0	12.0
NE	.0	1.1	.1	7.4	.0	2.7	.0	2.2	.0	1.0	.0	.5	.0	.1	.3	15.0	11.8	
ENE	.0	.4	.1	5.2	.0	1.1	.0	1.3	.0	1.4	.0	.0	.0	.1	.2	9.5	12.6	
E	.0	.3	.0	1.6	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	2.2	8.3	
ESE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0	
SE	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	14.5	
SSE	.0	.1	.0	.5	.0	.1	.0	.3	.0	.3	.0	.1	.0	.0	.0	1.4	14.2	
S	.0	.0	.0	2.2	.0	.4	.0	.1	.0	.3	.0	.0	.0	.0	.1	2.9	9.6	
SSW	.0	.4	.0	1.5	.0	.8	.0	.3	.0	.9	.0	.0	.0	.1	.1	3.9	12.8	
SW	.0	.3	.0	2.5	.0	1.0	.0	1.0	.0	1.9	.0	.1	.0	.0	.1	6.8	14.0	
WSW	.0	.3	.1	7.4	.0	2.0	.0	1.1	.0	2.2	.0	.4	.0	.1	.2	13.4	12.9	
W	.0	.1	.1	7.0	.0	1.9	.0	1.6	.0	1.1	.0	.6	.0	.3	.2	12.7	13.1	
WNW	.0	.4	.0	2.4	.0	1.5	.0	.5	.0	.4	.0	.6	.0	.0	.1	5.8	13.5	
NW	.0	.1	.0	2.2	.0	.9	.0	.6	.0	.5	.0	.1	.0	.0	.1	4.4	12.1	
NNW	.0	.0	.0	1.5	.0	.8	.0	.3	.0	.3	.0	.1	.0	.0	.1	2.9	12.9	
CALM	.1	4.4													.1	4.4		
TOTAL	.2	8.4	.9	50.2	.3	14.6	.2	11.9	.2	11.5	.0	2.7	.0	.8	.19	100	11.9	

CEILING-VISIBILITY

WIND GRAPH

ERI ERIE, PA

CLASS 5 /DAY

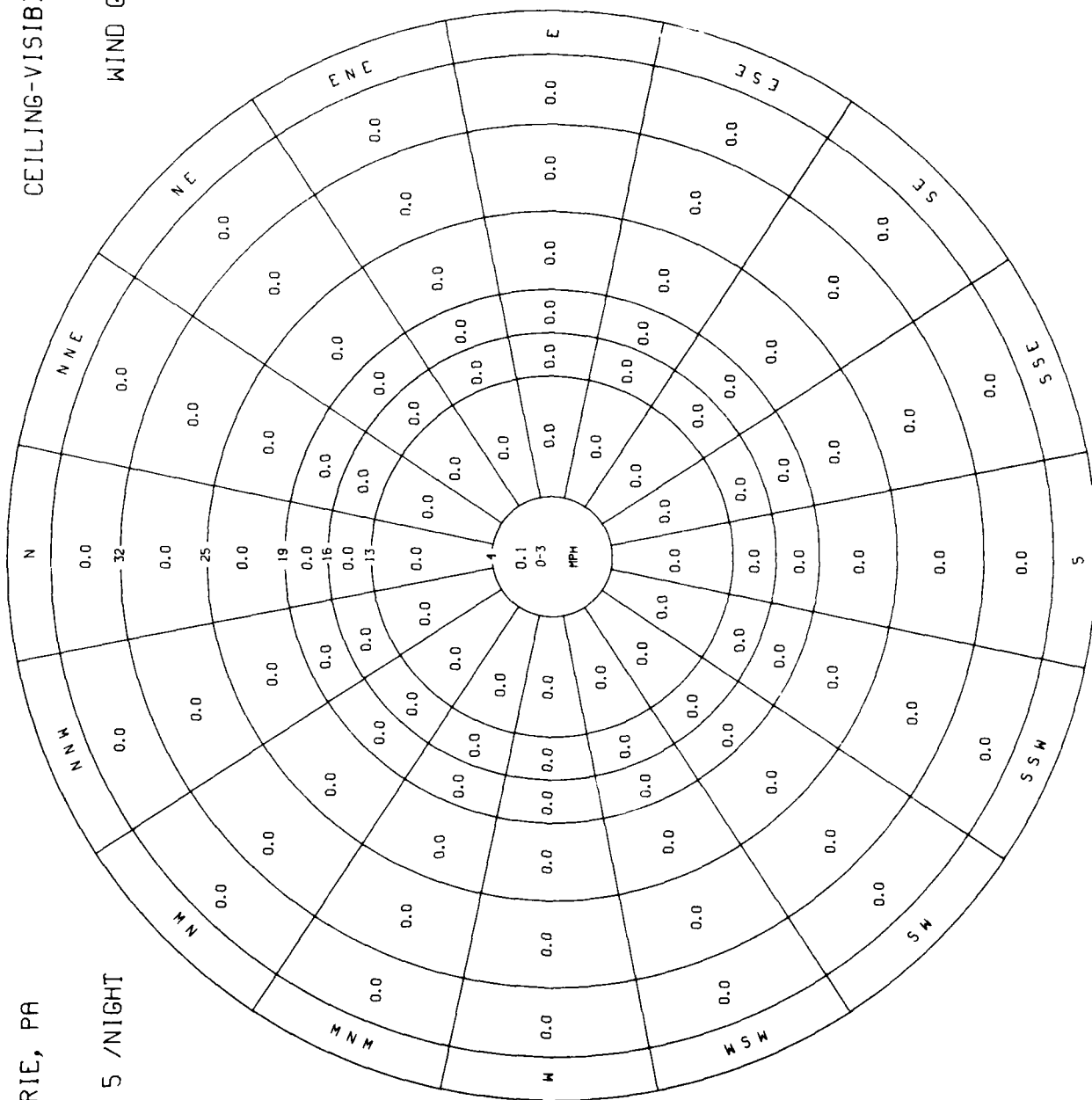


CEILING-VISIBILITY

WIND GRAPH

ERI ERIE, PA

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 14860

NO. OBS.: 188

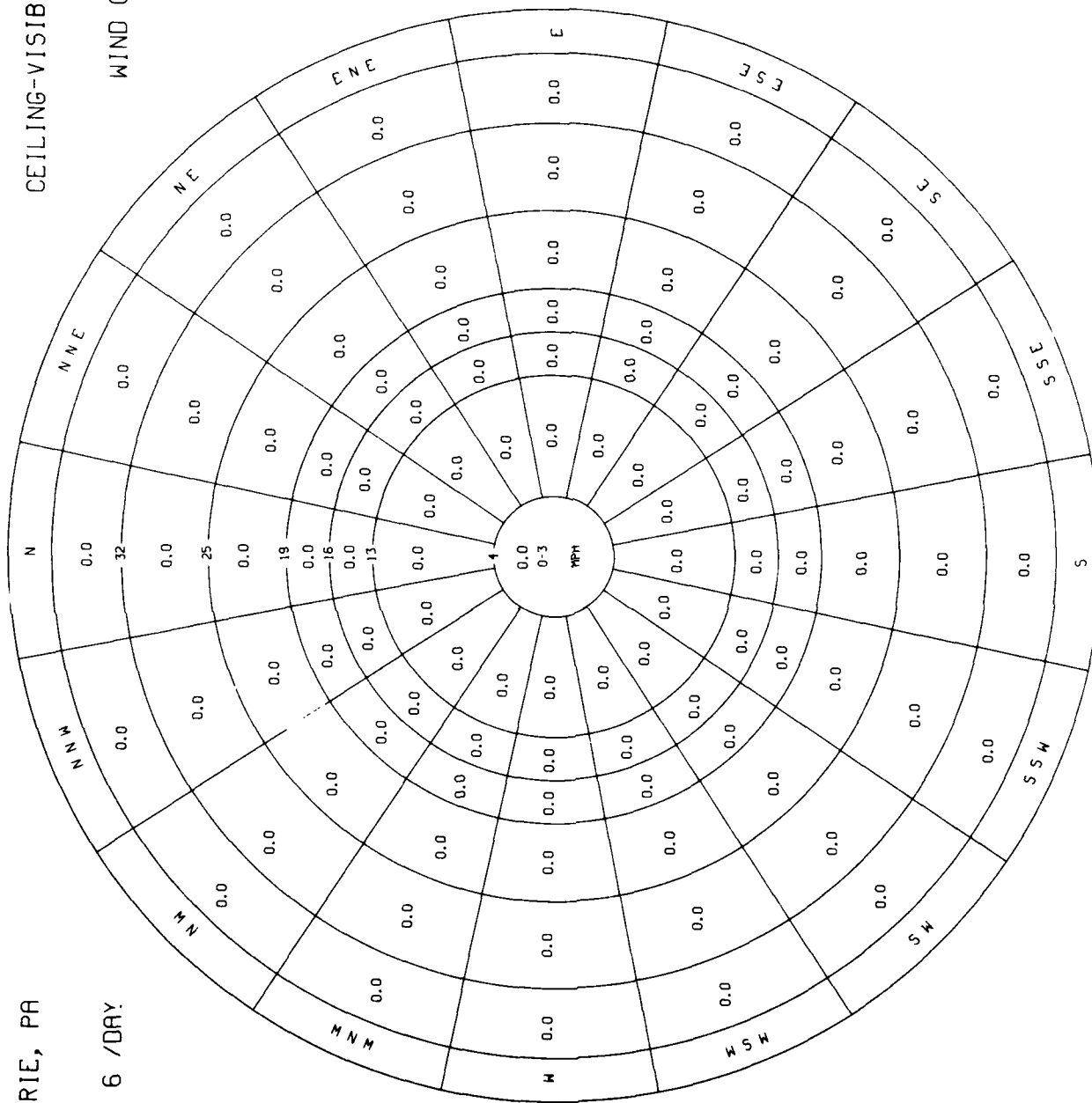
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C		D
N	.0	.5	.0	3.2	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	5.3	9.1
NNE	.0	.5	.0	4.8	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	7.4	10.2
NE	.0	1.1	.0	5.3	.0	1.6	.0	1.1	.0	1.6	.0	.5	.0	.0	.0	11.2	12.1
ENE	.0	.0	.0	3.2	.0	.5	.0	.5	.0	.5	.0	.5	.0	.0	.0	5.3	13.3
E	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.2
ESE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0
SE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.5
SSE	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.1	12.0
S	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.3
SSW	.0	.0	.0	.5	.0	.0	.0	1.1	.0	1.1	.0	.5	.0	.0	.0	3.2	19.3
SW	.0	.0	.0	3.2	.0	.5	.0	.5	.0	2.7	.0	1.1	.0	.0	.0	8.0	15.8
WSW	.0	.0	.0	4.8	.0	2.1	.0	1.6	.0	1.1	.0	2.1	.0	.0	.1	11.7	14.8
W	.0	.5	.0	11.2	.0	.5	.0	1.6	.0	1.1	.0	.0	.0	.0	.1	14.9	10.7
WNW	.0	1.6	.0	3.7	.0	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	6.4	9.2
NW	.0	.0	.0	4.3	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	5.3	9.6
NNW	.0	.5	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	7.7
CALM	.0	9.0													.0	9.0	
TOTAL	1	15.4	.2	52.7	.0	7.4	.0	9.6	.0	9.6	.0	5.3	.0	.0	.4	100	10.6

ERI ERIE, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 6 / DAY

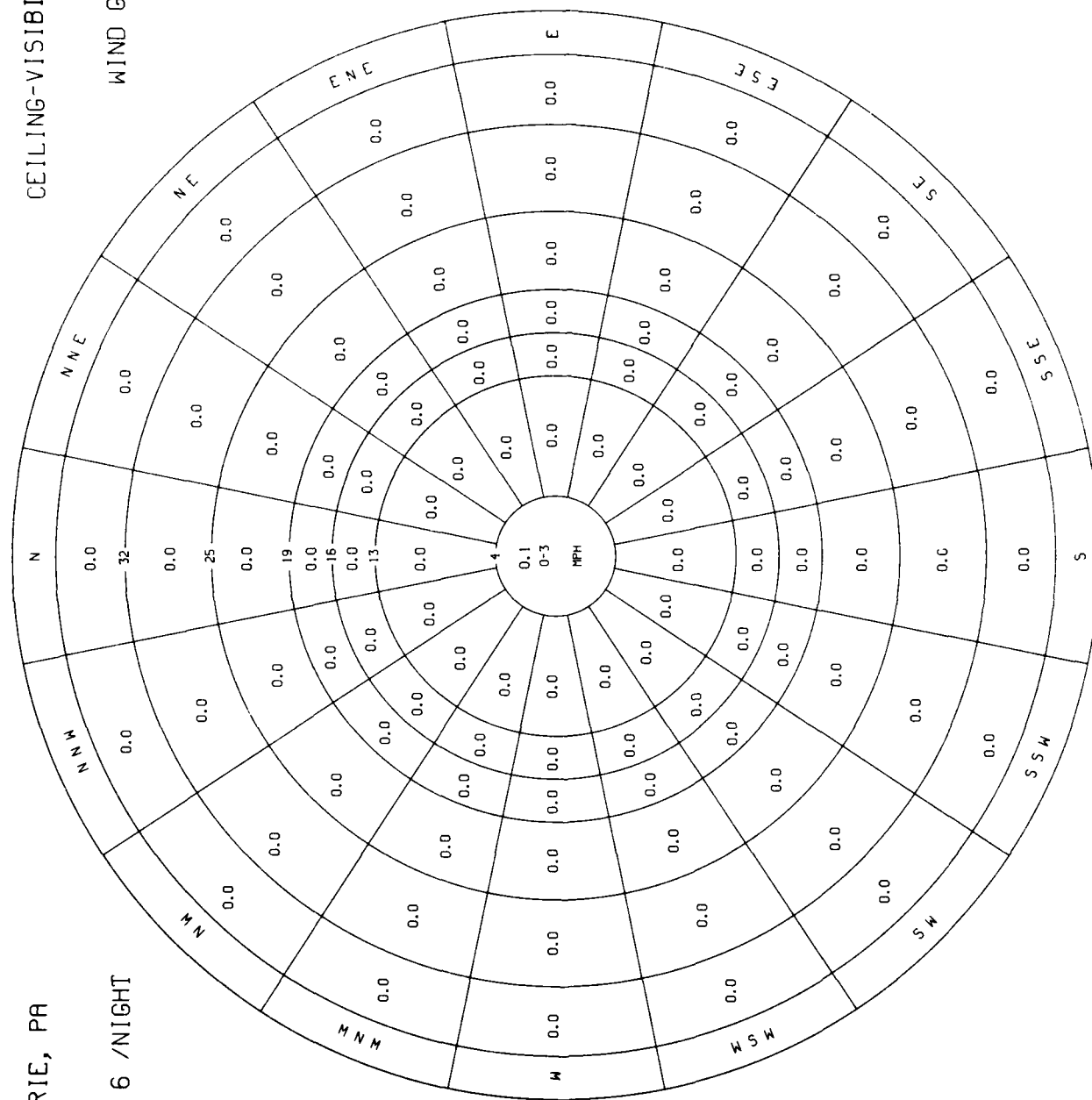
STATION NUMBER: 14860

NO. OBS.: 130

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6
NNE	.0	.0	.0	3.8	.0	2.3	.0	.8	.0	1.5	.0	.0	.0	.0	.0 8.5
NE	.0	.8	.0	11.5	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0 13.1
ENE	.0	.8	.0	3.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0 5.4
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SSE	.0	.8	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
S	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SSW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	.0 4.6
SW	.0	.0	.0	3.8	.0	.0	.0	1.5	.0	1.5	.0	1.5	.0	.0	.0 8.5
WSW	.0	.0	.0	6.9	.0	2.3	.0	3.1	.0	.8	.0	1.5	.0	.0	.0 14.6
W	.0	.0	.0	6.2	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0 7.7
WNW	.0	.0	.0	9.2	.0	.8	.0	.0	.0	.8	.0	1.5	.0	.0	.0 12.3
NW	.0	.8	.0	3.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
NNW	.0	2.3	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.2
CALM	.0	6.9													.0 6.9
TOTAL	.0	13.8	.2	60.8	.0	6.9	.0	6.2	.0	6.9	.0	4.6	.0	.8	.3 10.4

CEILING-VISIBILITY

WIND GRAPH



ERI ERIE, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ERI ERIE, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

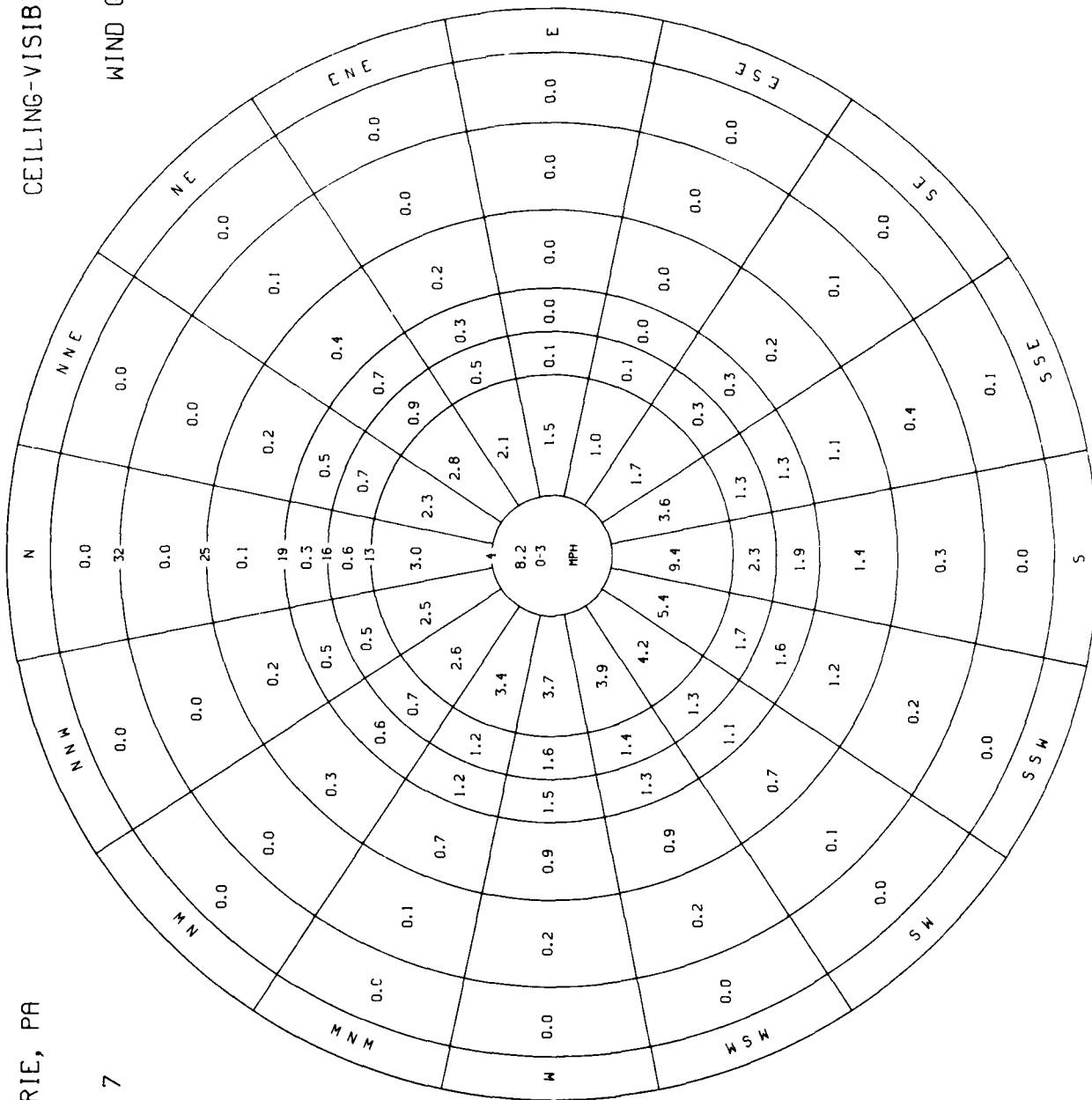
STATION NUMBER: 14860

NO. OBS.: 142

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		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	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.4
NNE	.0	.0	.0	3.5	.0	.7	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	5.6	11.7
NE	.0	1.4	.0	2.1	.0	1.4	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	7.0	11.2
ENE	.0	.0	.0	4.9	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	5.6	10.0
E	.0	1.4	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	4.5
ESE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.0
SE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.0
SSE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	2.1	20.7
S	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.8
SSW	.0	1.4	.0	4.2	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	6.3	7.7
SW	.0	1.4	.0	5.6	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	8.5	9.7
WSW	.0	.0	.0	3.5	.0	.7	.0	1.4	.0	.7	.0	.7	.0	.0	.0	.0	7.0	13.8
W	.0	2.1	.0	6.3	.0	.7	.0	.7	.0	.7	.0	.7	.0	.0	.0	.0	11.3	9.5
WNW	.0	.7	.0	4.2	.0	2.1	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	8.5	10.4
NW	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.0
NNW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.7
CALM	.1	16.2														.1	16.2	
TOTAL	.1	26.1	.2	54.2	.0	5.6	.0	5.6	.0	5.6	.0	2.8	.0	.0	.0	.3	10.0	8.0

CEILING-VISIBILITY

WIND GRAPH

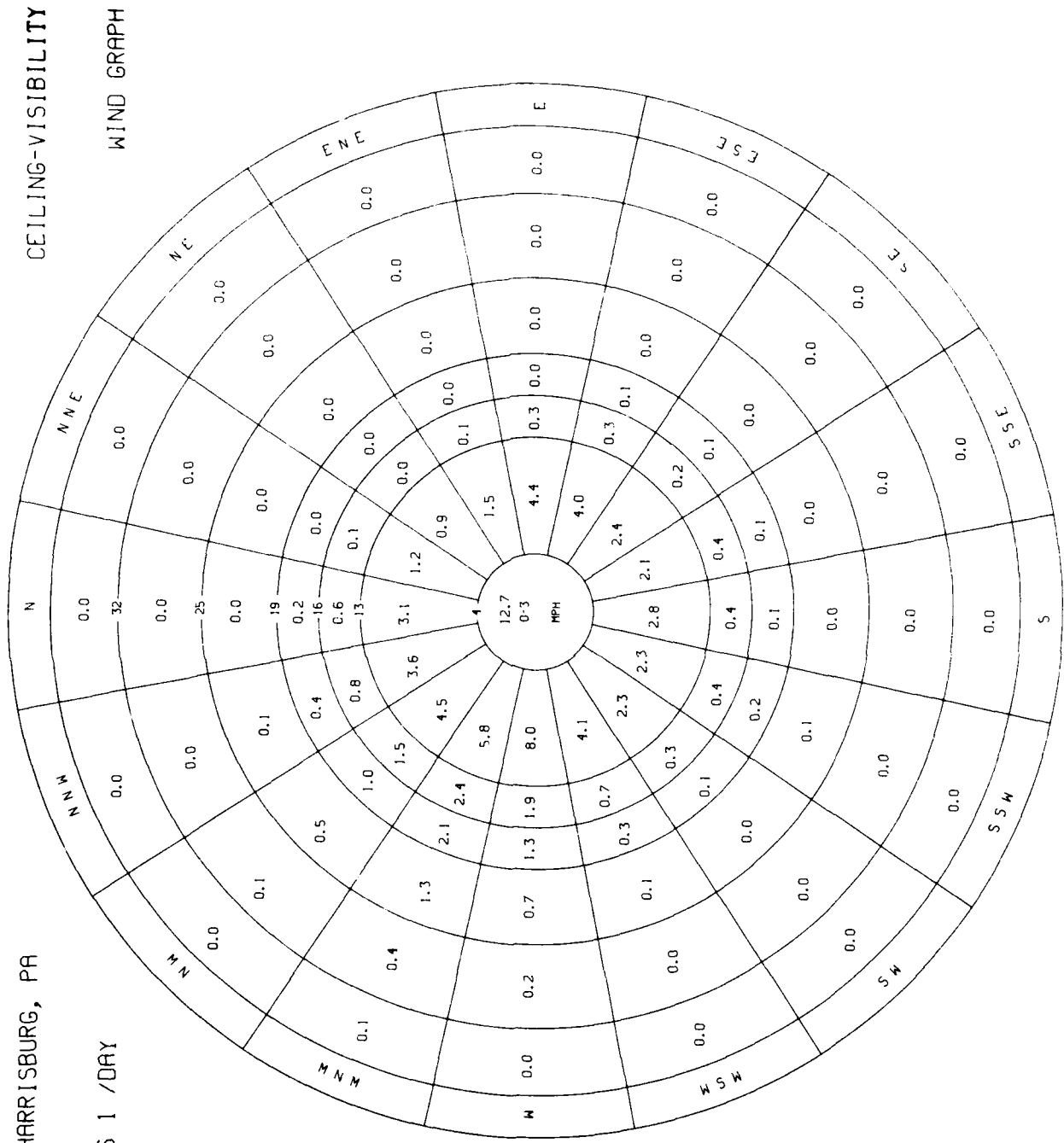


ERI ERIE, PA

CLASS 7

CXY HARRISBURG, PA

CLASS 1 /DAY



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 14751

NO. OBS.: 43063

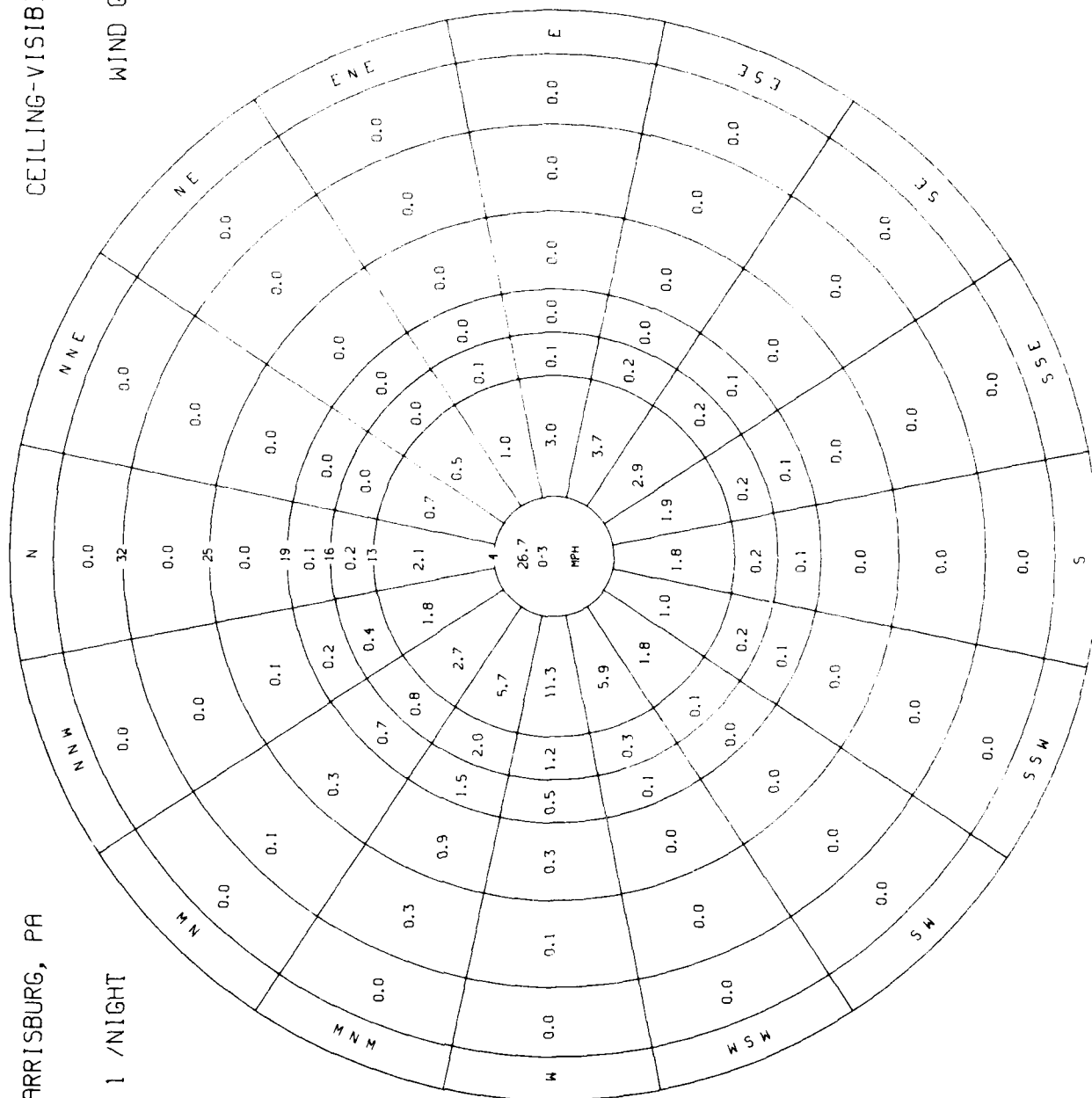
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.5	.6	3.1	3.6	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	4.4	5.1	8.7
NNE	.3	.4	1.2	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	7.0
NE	.3	.4	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.4	6.3
ENE	.3	.4	1.5	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.3	6.8
E	.6	.7	4.4	5.1	.3	.3	.0	.1	.0	.0	.0	.0	.0	.0	5.3	6.1	7.4
ESE	.5	.6	4.0	4.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	5.0	5.8	7.5
SE	.4	.5	2.4	2.7	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.6	7.5
SSE	.3	.4	2.1	2.4	.4	.4	.1	.1	.0	.1	.0	.0	.0	.0	2.9	3.4	8.5
S	.4	.5	2.8	3.3	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	3.8	4.4	8.4
SSW	.4	.5	2.3	2.7	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.4	4.0	8.8
SW	.5	.6	2.3	2.6	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.2	3.7	7.5
WSW	.7	.8	4.1	4.8	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	5.9	6.9	8.5
W	.9	1.1	8.0	9.3	1.9	2.2	1.3	1.5	.7	.8	.2	.2	.0	.0	13.0	15.2	10.4
WNW	.7	.9	5.8	6.7	2.4	2.8	2.1	2.5	1.3	1.5	.4	.4	.1	.1	12.8	14.9	12.4
NW	.7	.8	4.5	5.2	1.5	1.8	1.0	1.2	.5	.6	.1	.1	.0	.0	8.4	9.7	11.1
NNW	.5	.6	3.6	4.2	.8	.9	.4	.5	.1	.1	.0	.0	.0	.0	5.4	6.3	9.5
CALM	4.5	5.2													4.5	5.2	
TOTAL	12.7	14.8	52.9	61.5	10.5	12.2	6.0	7.0	3.0	3.5	.7	.9	.1	.1	86.0	100	9.0

CXY HARRISBURG, PA

CEILING-VISIBILITY

WIND GRAPH

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 14751

NO. OBS.: 35074

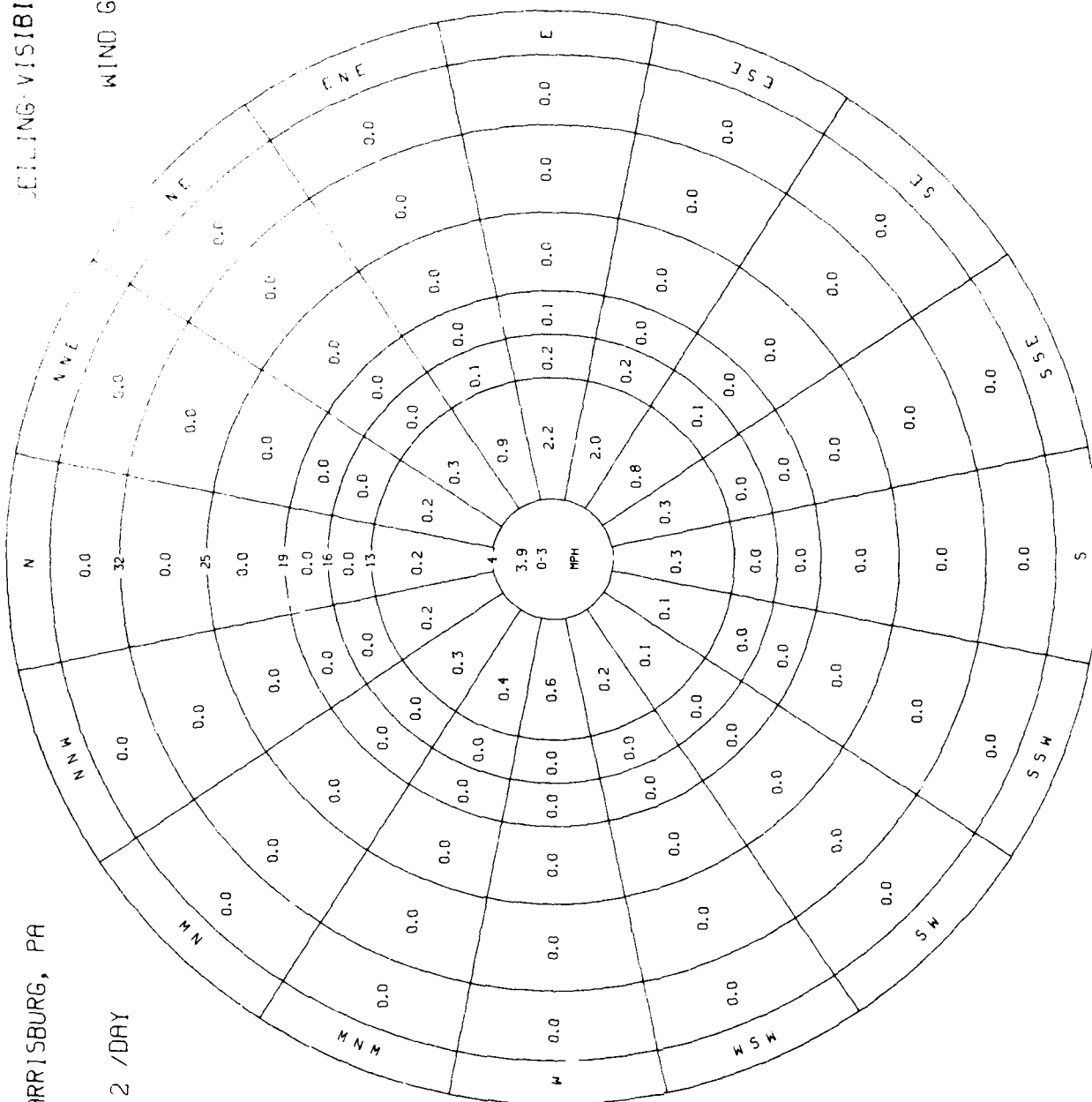
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	.5	2.1	2.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.9 3.4
NNE	.3	.3	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1 1.2
NE	.2	.2	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .8
ENE	.3	.4	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.7
E	.6	.7	3.0	3.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8 4.4
ESE	1.1	1.3	3.7	4.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.0 5.8
SE	1.0	1.1	2.9	3.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.1 4.8
SSE	.7	.8	1.9	2.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.0 3.4
S	1.0	1.2	1.8	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.6
SSW	.9	1.0	1.0	1.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.2 2.6
SW	1.7	2.0	1.8	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.6 4.2
WSW	2.2	2.6	5.9	6.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	8.5 9.8
W	2.3	2.7	11.3	13.1	1.2	1.4	.5	.6	.3	.3	.1	.1	.0	.0	15.7 18.2
WNW	1.3	1.5	5.7	6.6	2.0	2.3	1.5	1.7	.9	1.1	.3	.3	.0	.0	11.7 13.6
NW	.9	1.1	2.7	3.1	.8	1.0	.7	.8	.3	.4	.1	.1	.0	.0	5.6 6.4
NNW	.5	.6	1.8	2.1	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.9 3.4
CALM	11.1	12.8													11.1 12.8
TOTAL	26.7	30.9	47.9	55.4	6.1	7.1	3.5	4.0	1.8	2.0	.5	.6	.0	.1	86.5 100

CXY HARRISBURG, PA

WIND GRAPH

CXY HARRISBURG, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 14751

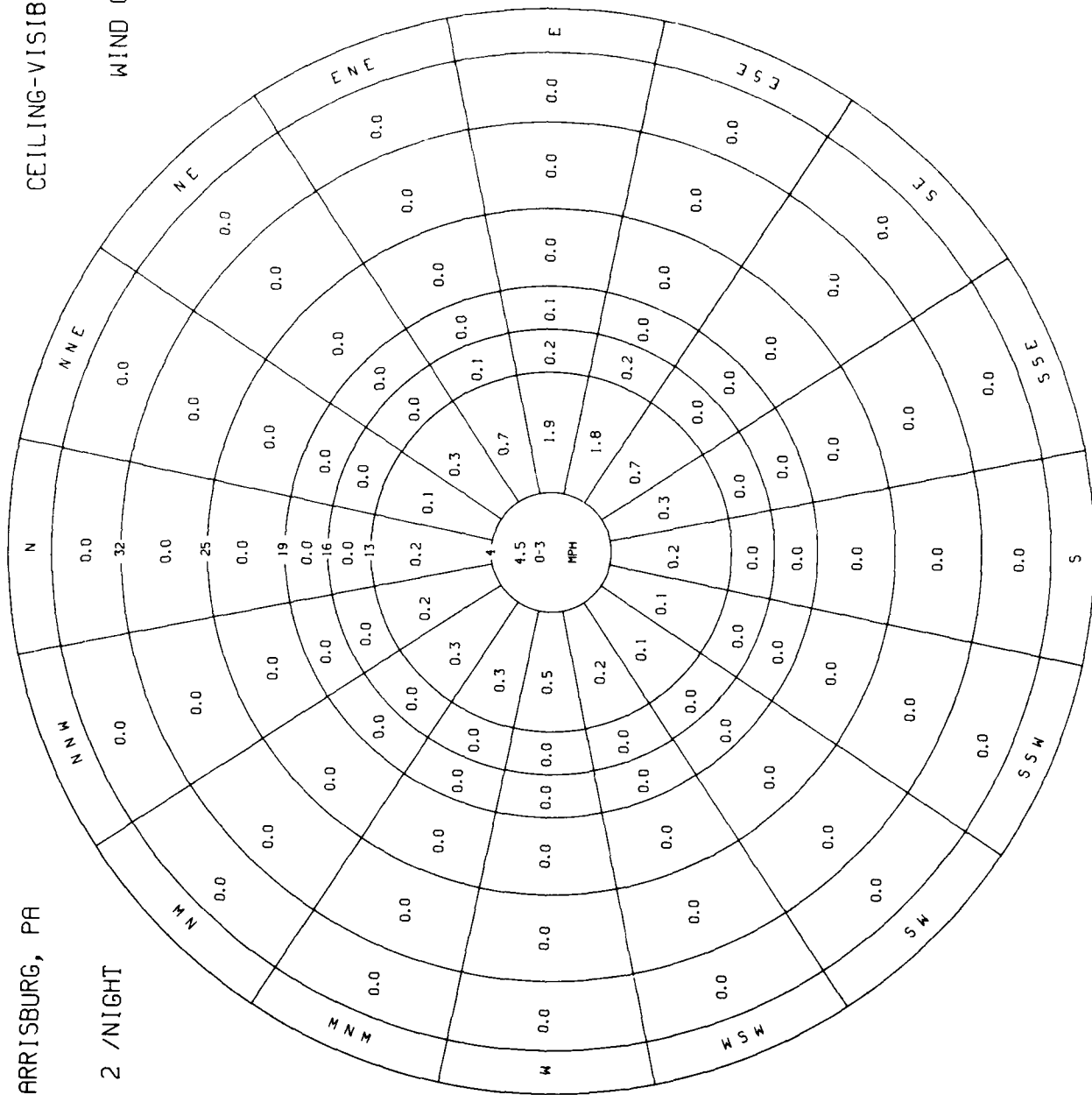
NO. OBS.: 7025

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	.6	.2	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.6	7.0
NNE	.1	.5	.2	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.0	7.1
NE	.1	.5	.3	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.6	7.1
ENE	.1	1.1	.9	6.3	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.1	8.1	7.6
E	.3	2.5	2.2	15.7	.2	1.3	.1	.4	.0	.1	.0	.0	.0	.0	.0	2.8	20.0	7.6
ESE	.3	2.1	2.0	14.3	.2	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.5	17.8	7.5
SE	.2	1.5	.8	5.4	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.1	7.5	6.9
SSE	.1	.5	.3	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	3.0	7.3
S	.1	.6	.3	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.9	6.8
SSW	.0	.3	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.4	7.4
SW	.1	.7	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.8	6.0
WSW	.1	.7	.2	1.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	2.4	6.0
W	.2	1.4	.6	4.0	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	5.9	6.5
WNW	.1	.9	.4	2.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.6	4.1	7.1
NW	.1	.7	.3	2.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	3.1	7.1
NNW	.1	.8	.2	1.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	2.7	6.9
CALM	1.7	12.0														1.7	12.0	
TOTAL	3.9	27.5	9.1	64.6	7.7	5.3	3.3	1.8	.1	.6	.0	.1	.0	.1	.0	14.0	100	6.4

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 14751

NO. OBS.: 5472

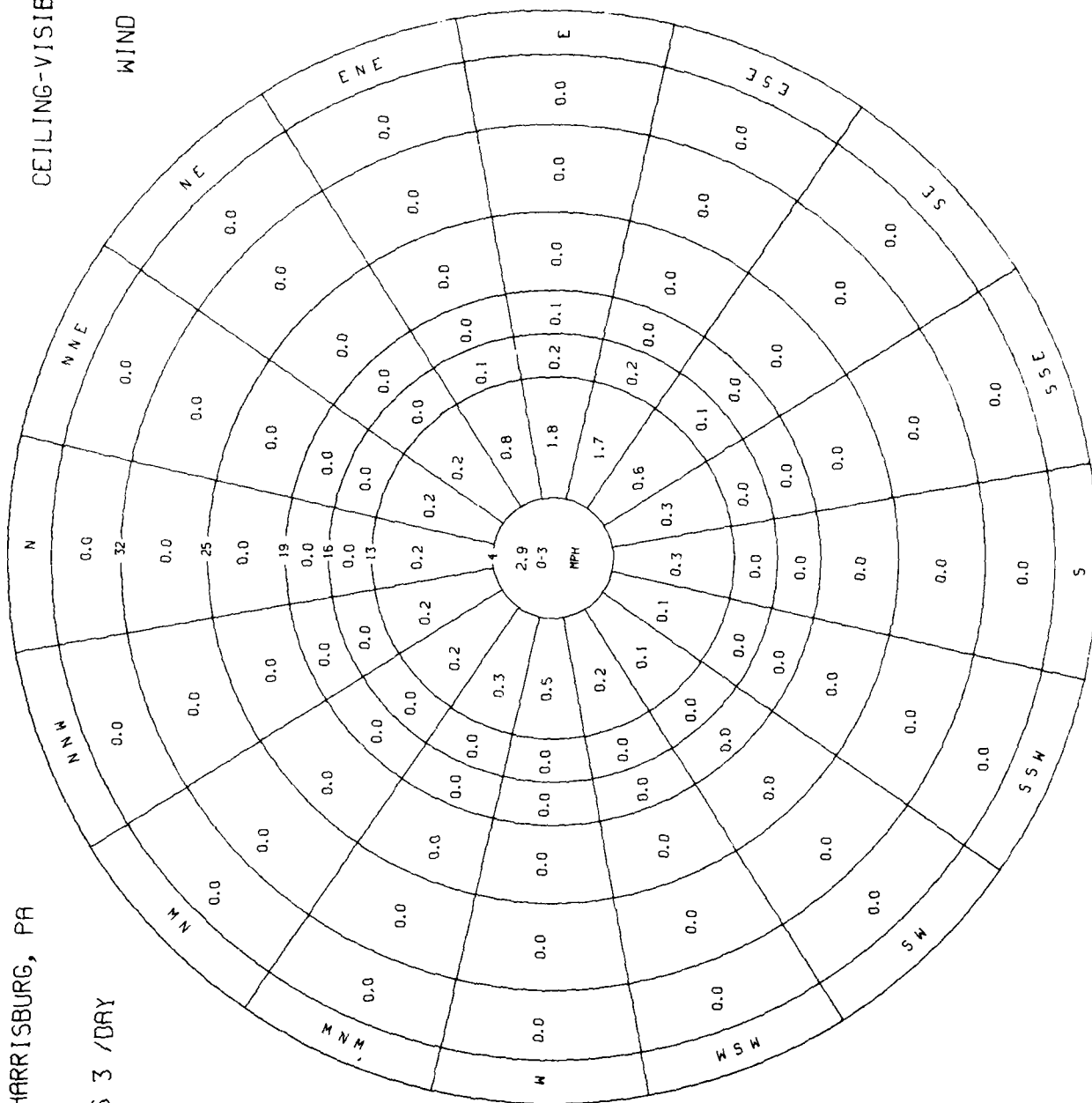
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED				
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B					
																C	D		
N	.1	.5	.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	6.5
NNE	.1	.4	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	6.7
NE	.1	.7	.3	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.9	6.4
ENE	.2	1.2	.7	5.5	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.0	7.5	7.5
E	.3	2.5	1.9	14.1	.2	1.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	2.5	18.6	7.6
ESE	.3	2.5	1.8	13.5	.2	1.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	2.4	17.7	7.4
SE	.2	1.7	.7	5.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.0	7.2	6.5
SSE	.1	1.1	.3	2.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.7	6.1
S	.1	.7	.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1	5.6
SSW	.1	.7	.1	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	6.1
SW	.1	.9	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.8	4.8
WSW	.2	1.7	.2	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	4.8
W	.2	1.8	.5	4.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.2	5.9
WNW	.2	1.2	.3	2.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.7	6.2
NW	.1	.8	.3	2.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.1	6.7
NNW	.1	.8	.2	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	6.4
CALM	1.9	14.4															1.9	14.4	
TOTAL	4.5	33.5	8.0	59.1	.7	4.8	.2	1.6	.1	.8	.0	.1	.0	.0	.0	.0	13.5	100	5.9

CXY HARRISBURG, PA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 3 / DAY

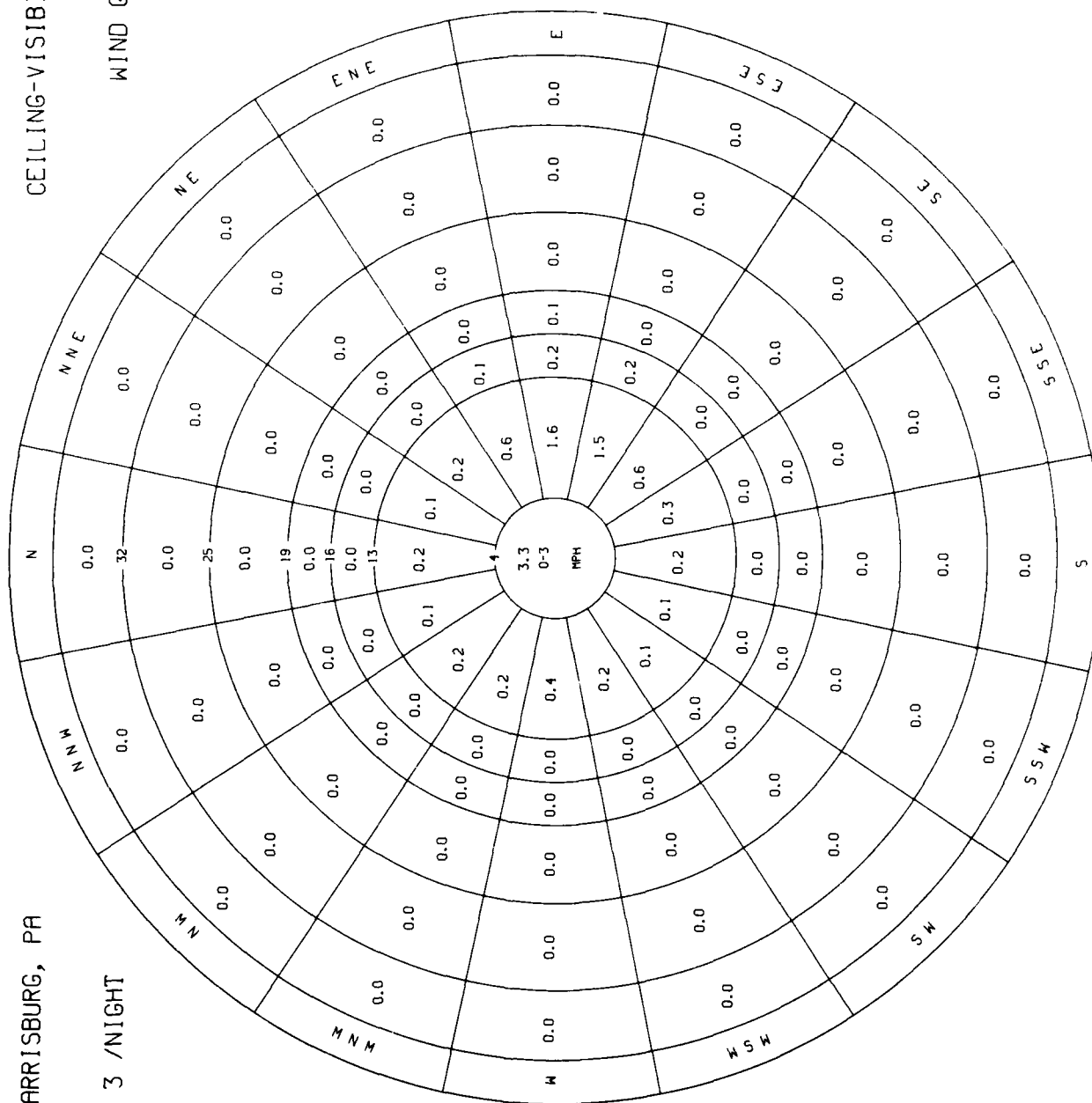
STATION NUMBER: 14751

NO. OBS.: 5797

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.7	.2	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.5
NNE	.1	.5	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.0
NE	.1	.5	.2	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.7
ENE	.1	1.0	.8	6.6	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	1.0 8.4
E	.3	2.3	1.8	15.7	.2	1.4	.1	.4	.0	.1	.0	.0	.0	.0	2.3 20.0
ESE	.2	1.8	1.7	14.3	.2	1.3	.0	.2	.0	.1	.0	.0	.0	.0	2.1 17.8
SE	.2	1.3	.6	5.6	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.9 7.6
SSE	.1	.5	.3	2.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.3
S	.1	.7	.3	2.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.4 3.4
SSW	.0	.2	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.5
SW	.1	.6	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.0
WSW	.1	.7	.2	1.6	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.5
W	.1	1.2	.5	4.0	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.7
WNW	.1	.9	.3	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.5 4.2
NW	.1	.6	.2	2.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.1
NNW	.1	.7	.2	1.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.6
CALM	1.2	10.5													1.2 10.5
TOTAL	2.9	24.9	7.7	66.6	.7	5.8	.2	1.9	.1	.6	.0	.1	.0	.1	11.6 100

CXV HARRISBURG, PA

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 14751

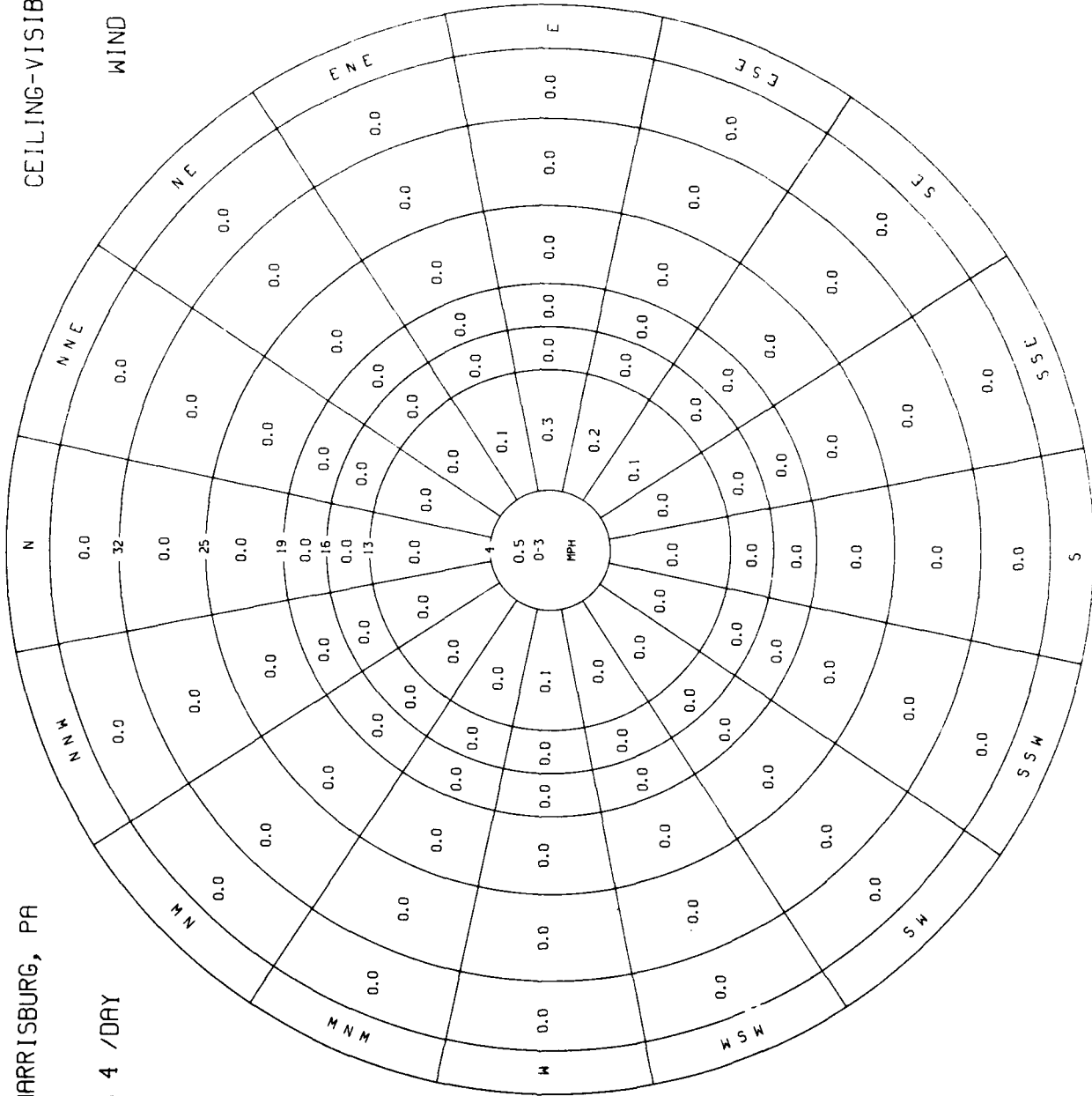
NO. OBS.: 4344

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.0	.4	.2	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.1	6.7
NNE	.0	.4	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	6.6
NE	.1	.8	.2	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.1	6.4
ENE	.1	1.2	.6	5.6	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	7.8	7.9
E	.2	2.1	1.6	14.6	.2	1.7	.1	.5	.0	.2	.0	.0	.0	.0	.0	2.0	19.1	8.0
ESE	.3	2.4	1.5	14.1	.2	1.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	2.0	18.5	7.7
SE	.2	1.4	.6	5.4	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.8	7.5	7.0
SSE	.1	1.2	.3	2.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	4.1	6.4
S	.1	.6	.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	5.9
SSW	.1	.6	.1	.9	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.7	6.6
SW	.1	.8	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.2
WSW	.2	1.5	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.1	4.9
W	.2	1.6	.4	3.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	5.6	6.0
WNW	.1	1.2	.2	2.2	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.4	3.8	6.4
NW	.1	.8	.2	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	3.0	6.6
NNW	.1	.8	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	2.0	6.2
CALM	1.4	13.2														1.4	13.2	
TOTAL	3.3	30.9	6.5	60.8	.6	5.3	.2	1.8	.1	1.0	.0	.1	.0	.0	.0	10.7	100	6.1

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1946-1978

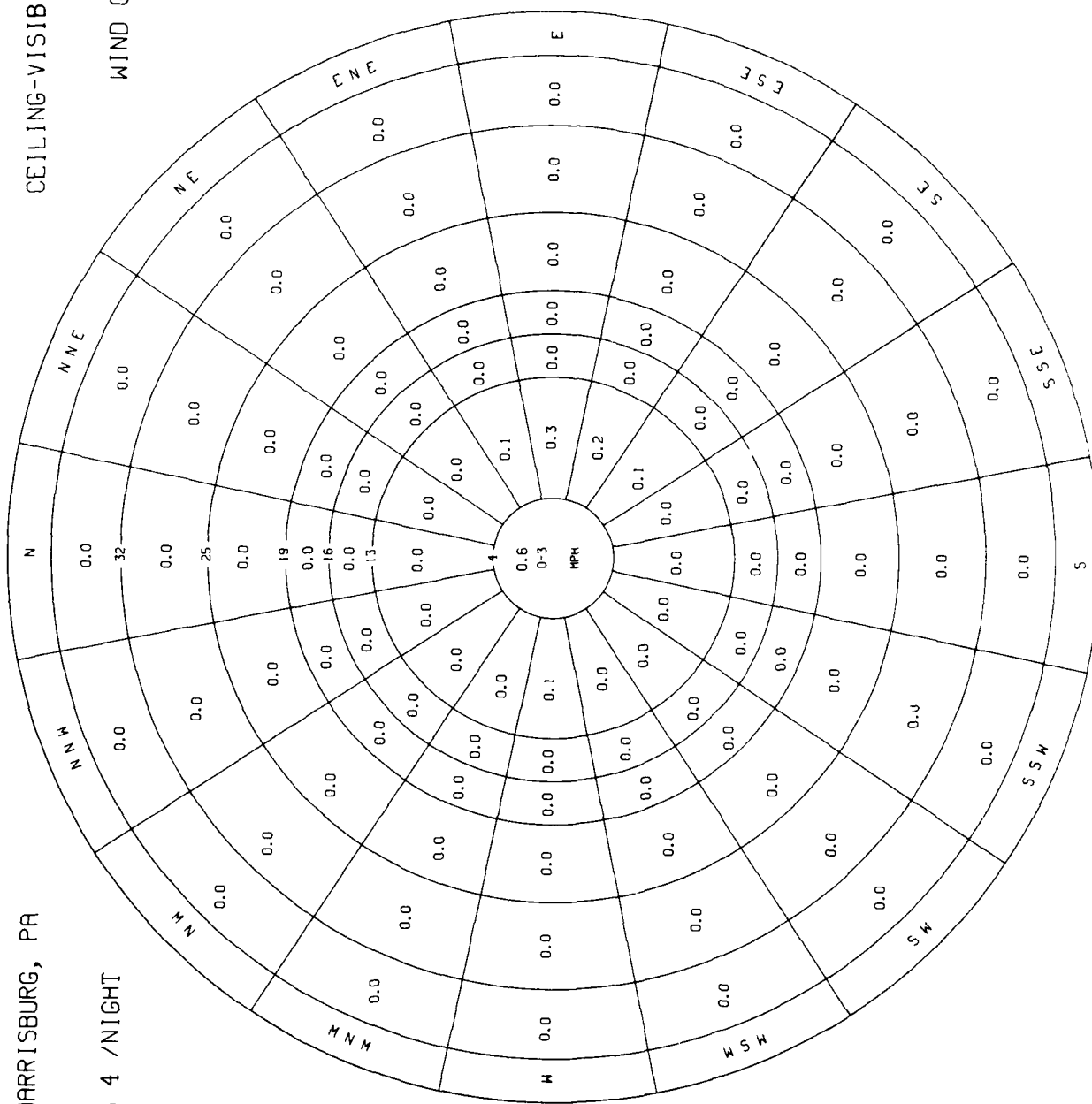
CLASS 4 / DAY

STATION NUMBER: 14751

NO. OBS.: 806

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.0	2.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0 2.9
NNE	.0	.5	.0	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.9
NE	.0	.7	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
ENE	.0	1.5	.1	6.4	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.1 8.2
E	.0	2.4	.3	19.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.4 22.9
ESE	.0	2.9	.2	15.5	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3 19.0
SE	.0	2.2	.1	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.0
SSE	.0	.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
S	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
SSW	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
SW	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
WSW	.0	.5	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
W	.0	1.4	.1	3.2	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.1 5.5
WNW	.0	1.0	.0	1.9	.0	.2	.0	.0	.0	.4	.0	.0	.0	.0	.1 3.5
NW	.0	.9	.0	1.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
NNW	.0	.7	.0	1.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0 2.7
CALM	.3	16.4													.3 16.4
TOTAL	.5	33.2	1.0	60.9	.1	3.4	.0	1.1	.0	.6	.0	.1	.0	.1	1.6 100
															5.7

CEILING-VISIBILITY
WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

STATION NUMBER: 14751

NO.	OBS.:	
696		

CLASS 4 / NIGHT

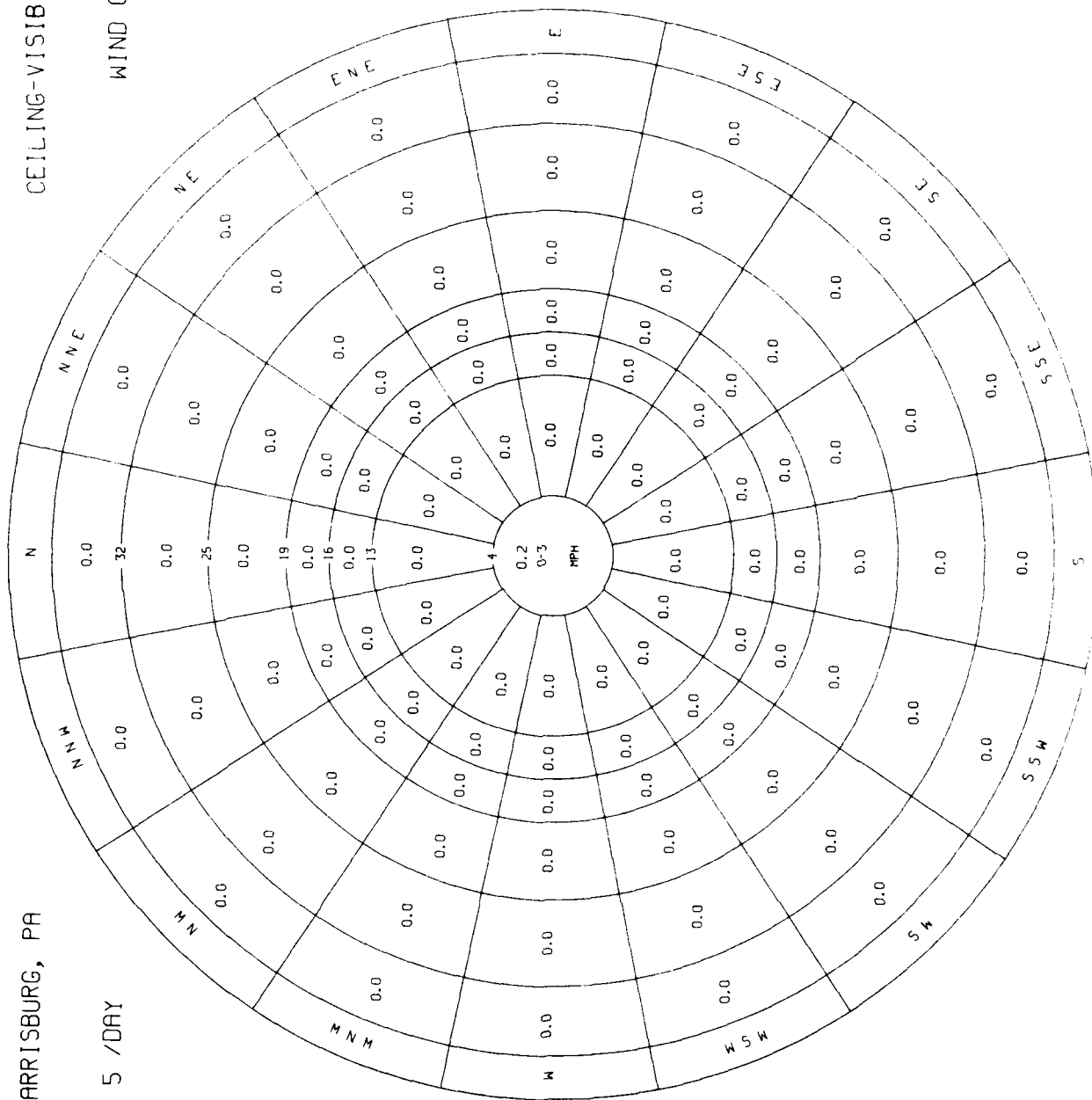
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	1.0	.0	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.3
NNE	.0	.4	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.3
NE	.0	.7	.0	1.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.4	6.7
ENE	.0	1.7	.1	7.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	9.8	6.4
E	.1	4.6	.3	15.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.4	20.5	6.5
ESE	.1	3.4	.2	12.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.3	17.0	6.5
SE	.0	2.0	.1	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	5.2
SSE	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.1
S	.0	.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.6
SSW	.0	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.4
SW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.8
WSW	.0	1.6	.0	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	3.3	4.8
W	.0	1.9	.1	4.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.1	.7	7.2	6.5
WNW	.0	.9	.0	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.3	3.3	5.7
NW	.0	.4	.0	1.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	2.6	8.3
NNW	.0	.7	.0	2.0	.0	.3	.0	.4	.0	.0	.0	.0	.0	.1	.3	4	7.7
CALM	.2	13.2												.2	13.2		
TOTAL	.6	35.3	1.0	59.8	.1	3.6	.0	1.0	.0	.3	.0	.0	.0	.0	.0	17.0	6.5

CXY HARRISBURG, PA

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CKY HARRISBURG, PA

PERIOD: 1946-1978

CLASS 5 / DAY

STATION NUMBER: 14751

NO. OBS.: 196

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	2.1	.0	1.6	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	4.7
NNE	.0	1.6	.0	1.1	.0	.5	.0	.0	.0	1.1	.0	.0	.0	.0	4.2
NE	.0	.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
ENE	.0	1.6	.0	4.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	6.3
E	.0	4.7	.0	12.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	17.9
ESE	.0	3.2	.0	12.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.1	15.8
SE	.0	.5	.0	4.2	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	5.3
SSE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
S	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
SSW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
SW	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
WSW	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
W	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	4.7
WNW	.0	1.6	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	3.7
NW	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
NNW	.0	1.6	.0	1.6	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	4.7
CALM	1	17.9												.1	17.9
TOTAL	2	44.2	2	47.9	0	2.6	0	3.2	0	2.1	0	.0	0	.4	100
															5.0

F/O 4/2

WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I-ETC(U)
JUN 81 DOT-FA79WAI-057

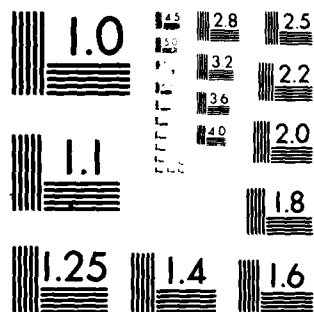
DOT-FA79WAI-057

UNCLASSIFIED

ML

2 of 5

2 5
TCB 5



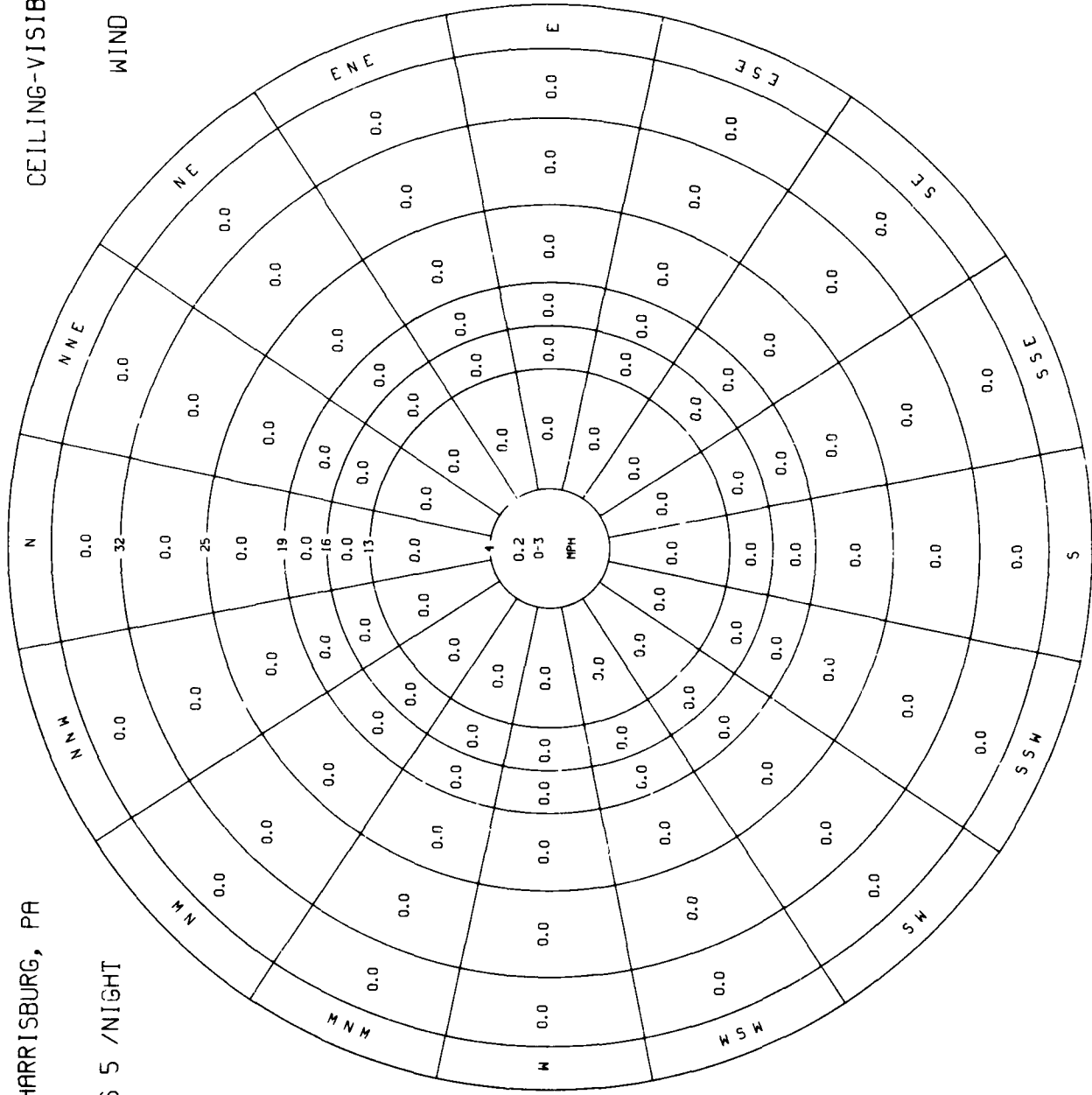
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CXY HARRISBURG, PA

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 5 / NIGHT

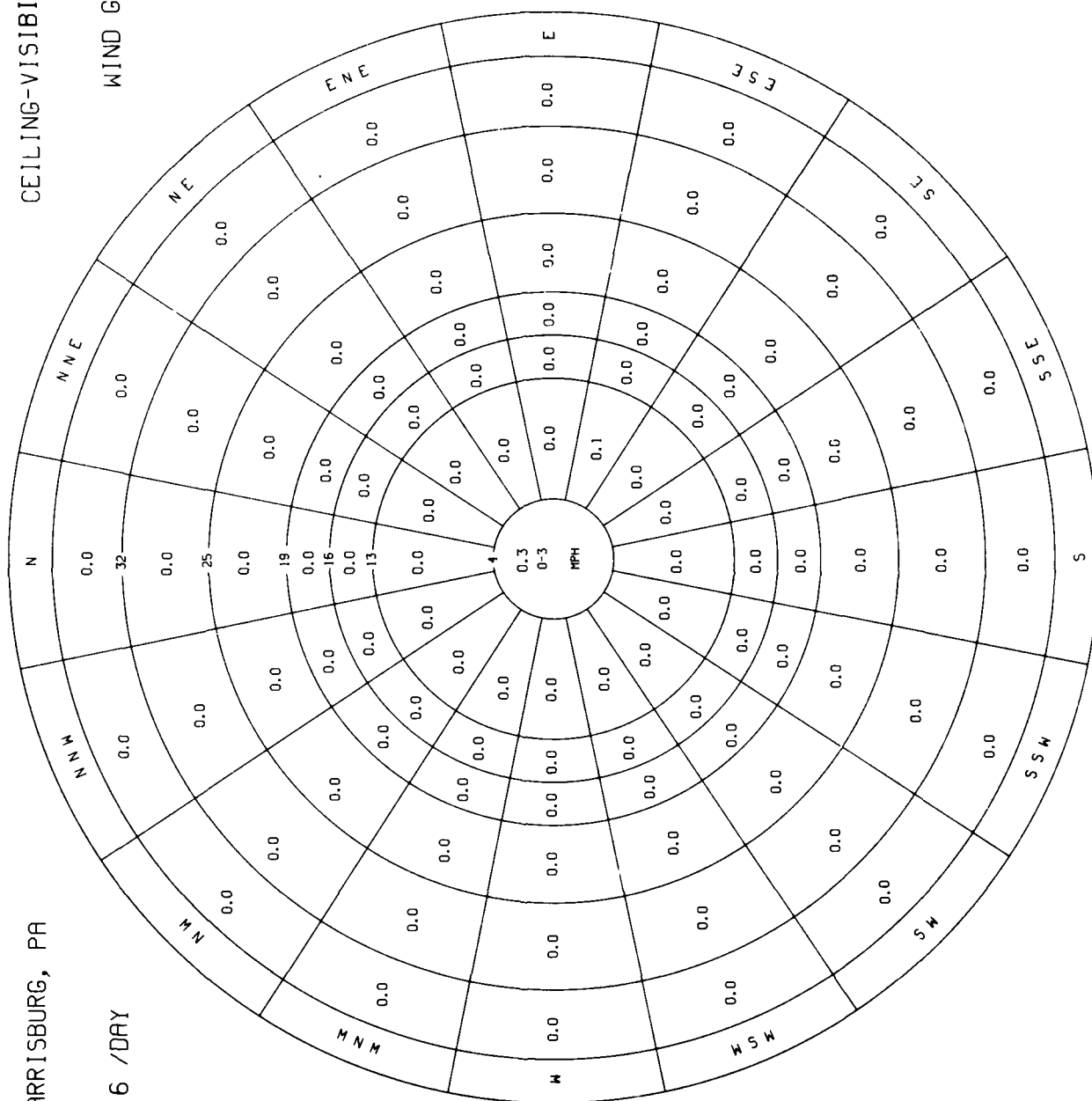
STATION NUMBER: 14751

NO. OBS.: 154

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	2.6
NNE	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6
NE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
ENE	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
E	.0	1.9	.0	12.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.1	15.6
ESE	.0	1.9	.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0
SE	.0	1.9	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
SSE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
SW	.0	1.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
WSW	.0	3.2	.0	1.9	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	5.8
W	.0	3.9	.0	1.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	6.5
WNW	.0	2.6	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
NW	.0	.6	.0	4.5	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	6.5
NNW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	3.2
CALM	.1	26.6													26.6
TOTAL	.2	48.7	.2	45.5	.0	3.9	.0	.6	.0	1.3	.0	.0	.0	.4	100
															4.3

CXY HARRISBURG, PA

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 14751

NO. OBS.: 238

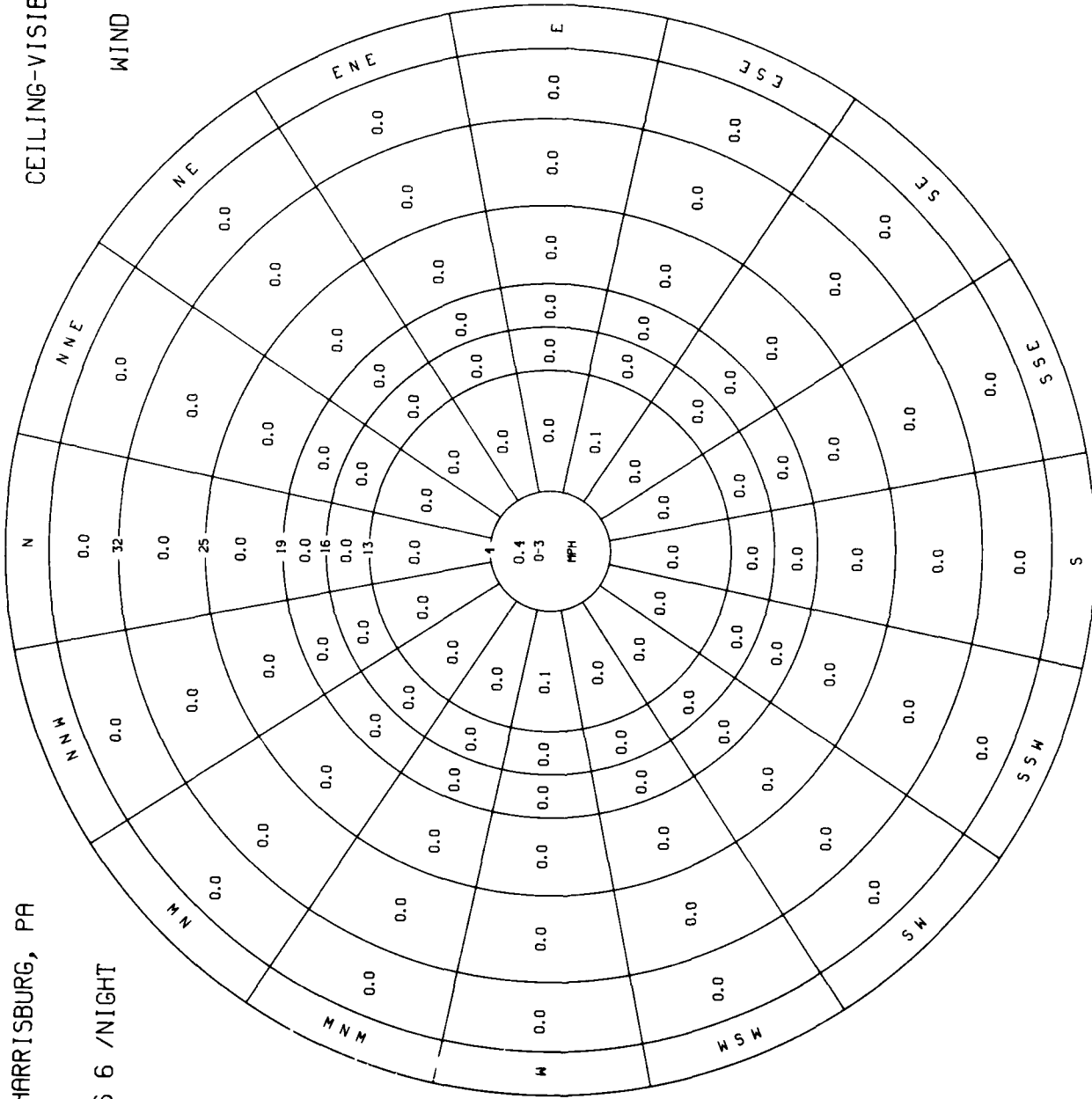
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
NNE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	1.3
NE	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.3
ENE	.0	.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
E	.0	5.9	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2
ESE	.0	5.0	.1	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.8
SE	.0	2.9	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.6
SSE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
S	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
SSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
SW	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
WSW	.0	2.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
W	.0	5.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.2
WNW	.0	.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
NW	.0	1.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
NNW	.0	1.3	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.1
CALM	.1	28.6												.1	28.6
TOTAL	.3	58.8	.2	39.9	.0	.8	.0	.0	.0	.4	.0	.0	.0	.5	100
															3.4

CXY HARRISBURG, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CXY HARRISBURG, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 14751

NO. OBS.: 278

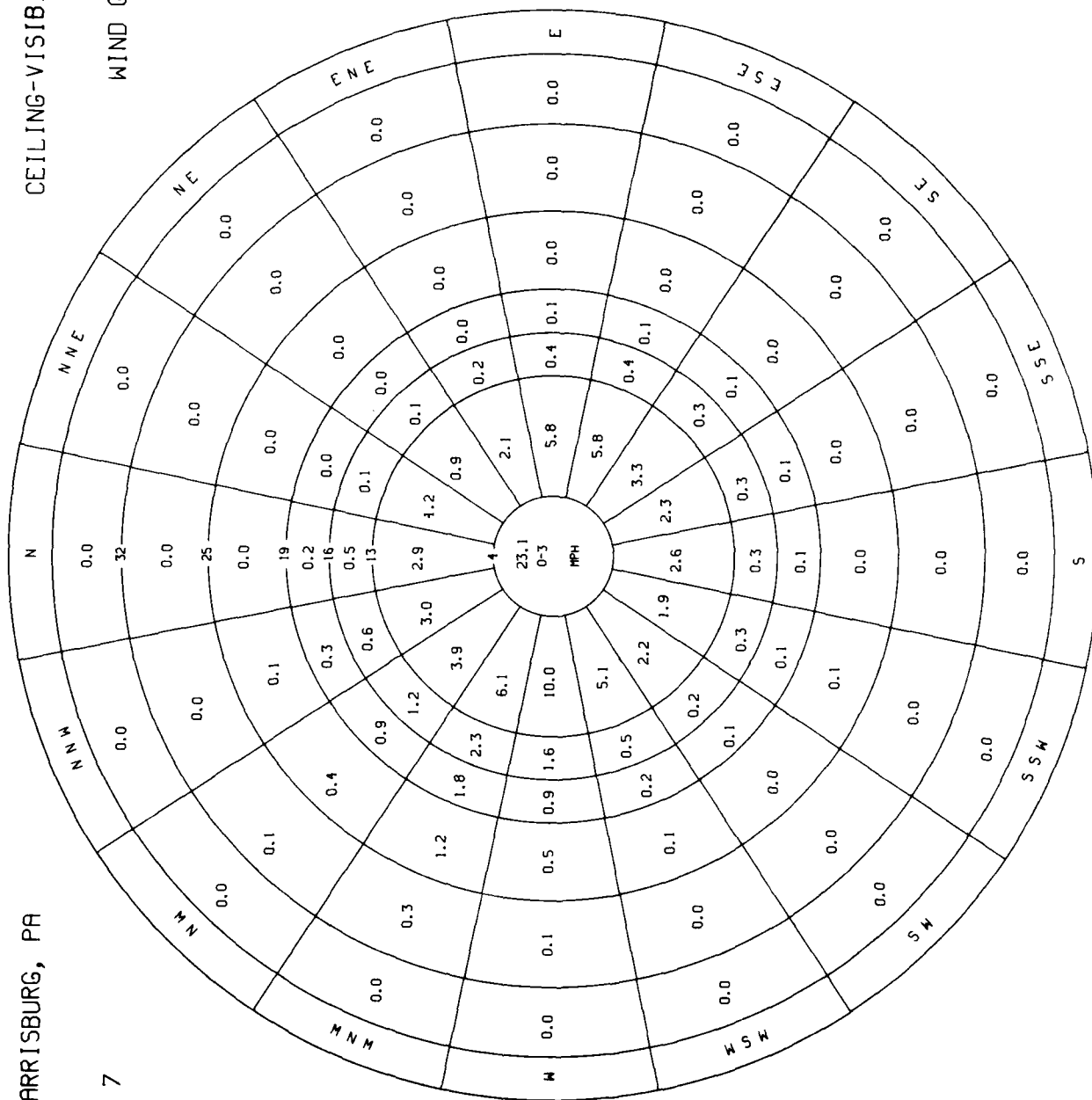
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
NNE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
NE	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
ENE	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
E	.0	2.9	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.9
ESE	.0	2.5	.1	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.1
SE	.0	4.3	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
SSE	.0	.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
S	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSW	.0	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
WSW	.0	4.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.2
W	.0	4.7	.1	7.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 12.6
WNW	.0	1.1	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
NW	.0	2.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.4
NNW	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.2	28.8													.2 28.8
TOTAL	.4	61.9	.3	37.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.7 100
															3.1

CEILING-VISIBILITY

WIND GRAPH

CXY HARRISBURG, PA

CLASS 7

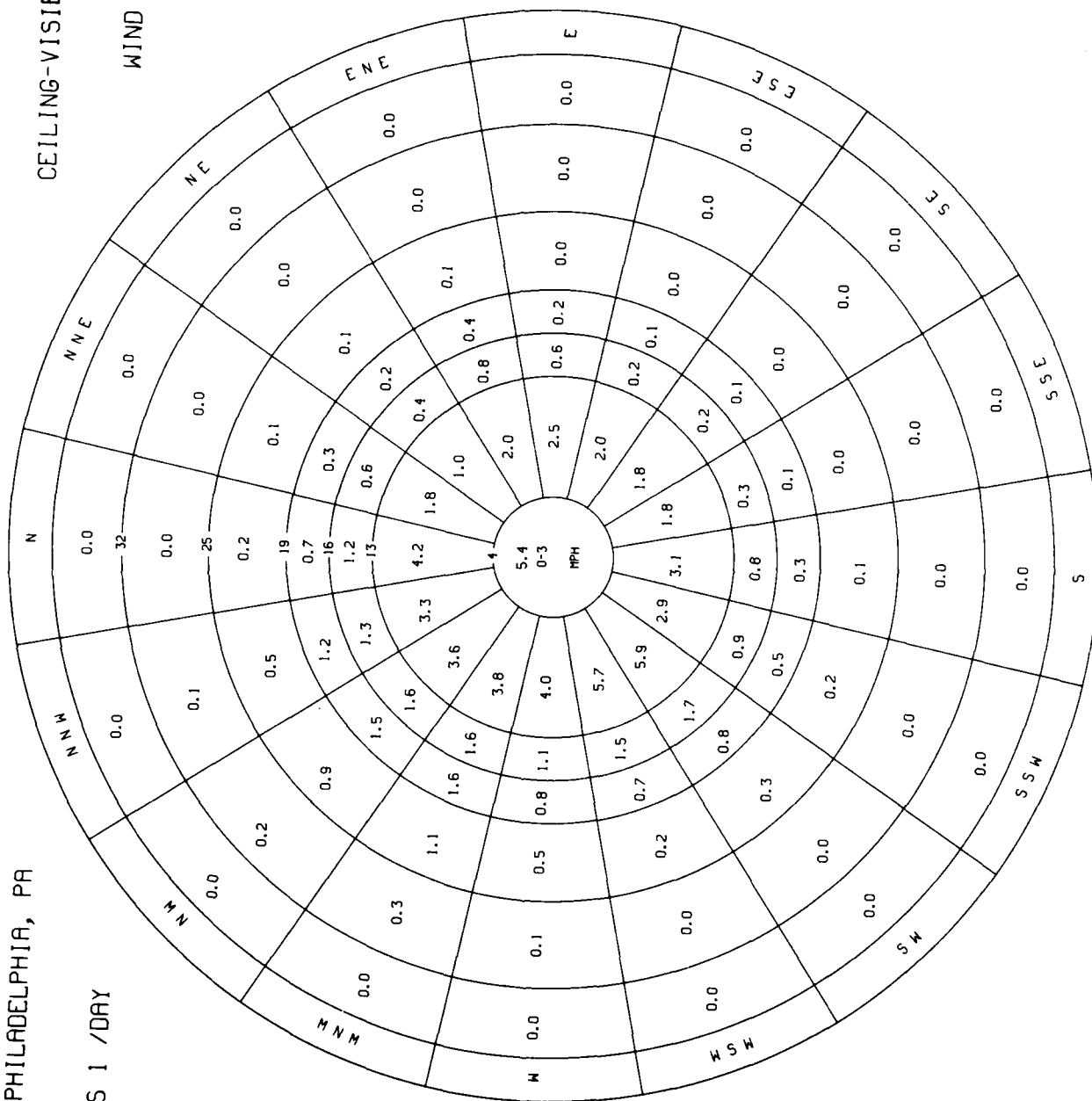


PHL PHILADELPHIA, PA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 1 / DAY

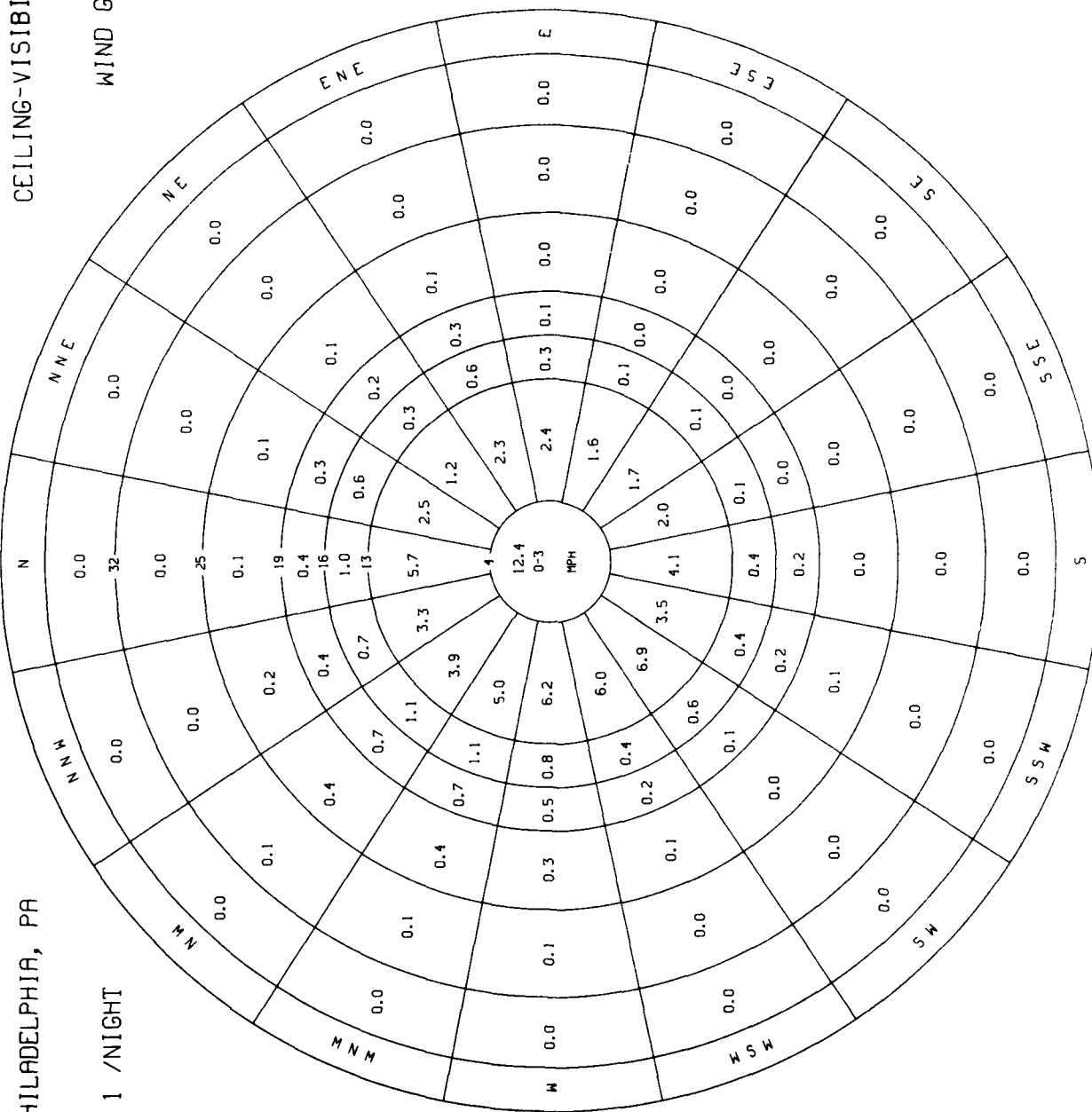
STATION NUMBER: 13739

NO. OBS.: 42111

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	4.2	5.0	1.2	1.4	.7	.8	.2	.2	.0	.0	.0	.0	6.6 7.8
NNE	.1	.2	1.8	2.1	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	2.9 3.4
NE	.1	.1	1.0	1.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	1.8 2.1
ENE	.1	.1	2.0	2.3	.8	.9	.4	.4	.1	.2	.0	.0	.0	.0	3.4 4.0
E	.2	.2	2.5	3.0	.6	.7	.2	.3	.0	.1	.0	.0	.0	.0	3.6 4.2
ESE	.2	.3	2.0	2.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.5 2.9
SE	.3	.3	1.8	2.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.9
SSE	.3	.3	1.8	2.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.4 2.9
S	.3	.4	3.1	3.7	.8	.9	.3	.4	.1	.1	.0	.0	.0	.0	4.6 5.5
SSW	.2	.3	2.9	3.4	.9	1.1	.5	.5	.2	.2	.0	.0	.0	.0	4.7 5.6
SW	.3	.4	5.9	7.0	1.7	2.1	.8	.9	.3	.3	.0	.0	.0	.0	9.0 10.7
WSW	.3	.4	5.7	6.8	1.5	1.8	.7	.8	.2	.2	.0	.0	.0	.0	8.5 10.1
W	.4	.5	4.0	4.8	1.1	1.4	.8	1.0	.5	.6	.1	.2	.0	.0	7.1 8.4
WNW	.3	.3	3.8	4.5	1.6	1.9	1.6	1.8	1.1	1.3	.3	.3	.0	.1	8.6 10.2
NW	.2	.3	3.6	4.3	1.6	1.9	1.5	1.8	.9	1.1	.2	.2	.0	.0	8.1 9.6
NNW	.2	.2	3.3	4.0	1.3	1.6	1.2	1.4	.5	.6	.1	.1	.0	.0	6.6 7.8
CALM	1.5	1.8													1.5 1.8
TOTAL	5.4	6.4	49.3	58.6	14.8	17.6	9.3	11.1	4.4	5.2	.8	1.0	.1	.1	84.2 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME:PHL PHILADELPHIA, PA

PERIOD:1948-1978

CLASS 1 / NIGHT

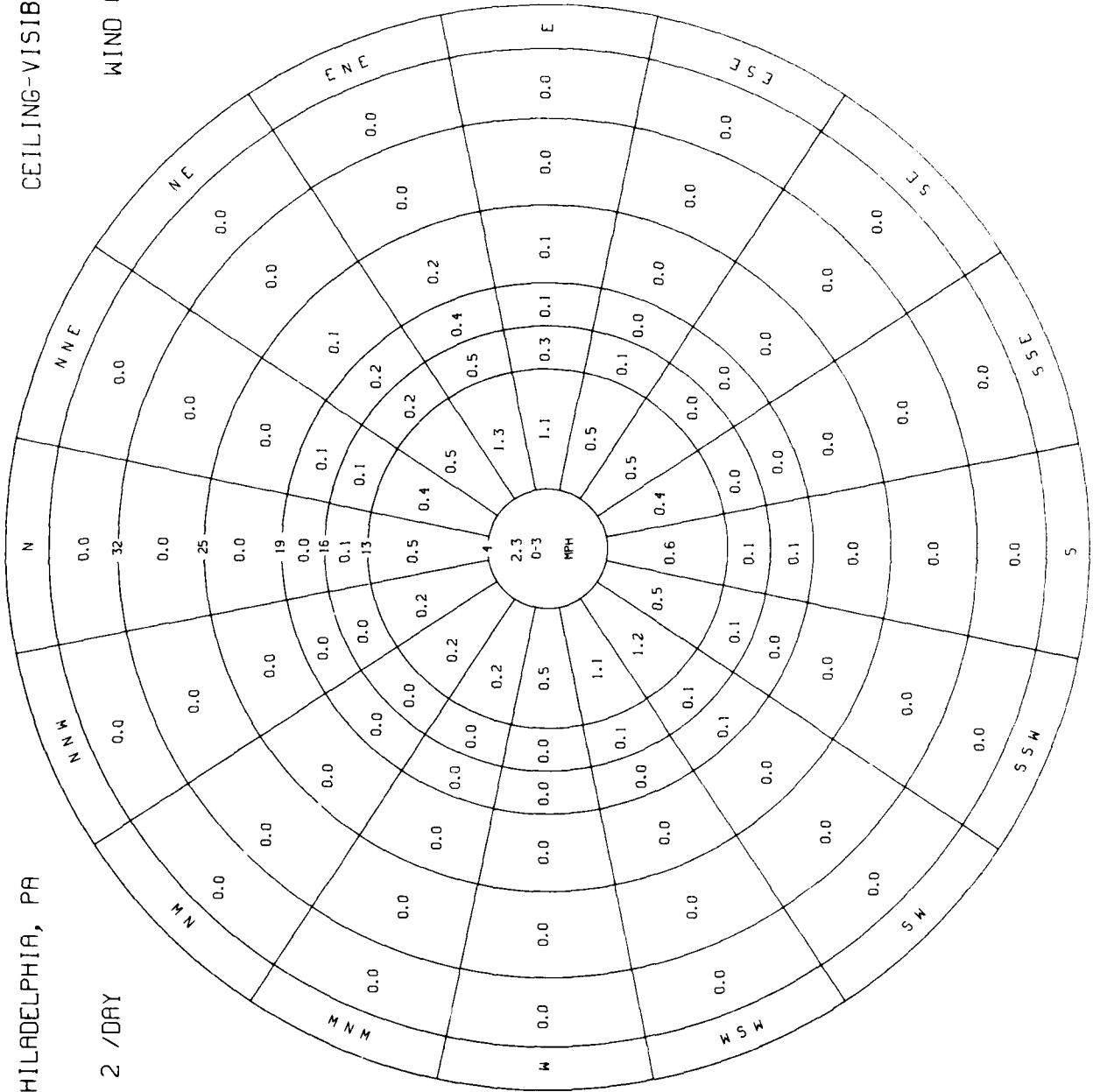
STATION NUMBER:13739

NO. OBS.: 34723

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	5.7	6.6	1.0	1.2	.4	.5	.1	.1	.0	.0	.0	.0	7.8 9.1
NNE	.2	.3	2.5	2.9	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	3.6 4.2
NE	.2	.3	1.2	1.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.0 2.3
ENE	.3	.3	2.3	2.7	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	3.6 4.2
E	.4	.4	2.4	2.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.7
ESE	.3	.4	1.6	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.4
SE	.4	.5	1.7	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2 2.6
SSE	.5	.5	2.0	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 3.1
S	.8	1.0	4.1	4.8	.4	.4	.2	.2	.0	.1	.0	.0	.0	.0	5.5 6.4
SSW	.6	.7	3.5	4.1	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	4.9 5.7
SW	.7	.8	6.9	8.0	.6	.7	.1	.2	.0	.0	.0	.0	.0	.0	8.3 9.7
WSW	.8	1.0	6.0	7.1	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	7.5 8.7
W	.9	1.0	6.2	7.3	.8	.9	.5	.6	.3	.3	.1	.1	.0	.0	8.7 10.2
WNW	.6	.7	5.0	5.9	1.1	1.2	.7	.8	.4	.5	.1	.1	.0	.0	7.9 9.3
NW	.5	.6	3.9	4.5	1.1	1.3	.7	.8	.4	.4	.1	.1	.0	.0	6.6 7.7
NNW	.4	.5	3.3	3.9	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	5.1 6.0
CALM	4.1	4.8													4.1 4.8
TOTAL	12.4	14.4	58.3	68.0	8.3	9.7	4.4	5.1	1.9	2.3	.4	.4	.0	.0	85.6 100

CEILING-VISIBILITY

WIND GRAPH



PHL PHILADELPHIA, PA

CLASS 2 / DAY

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 13739

NO. OBS.: 7920

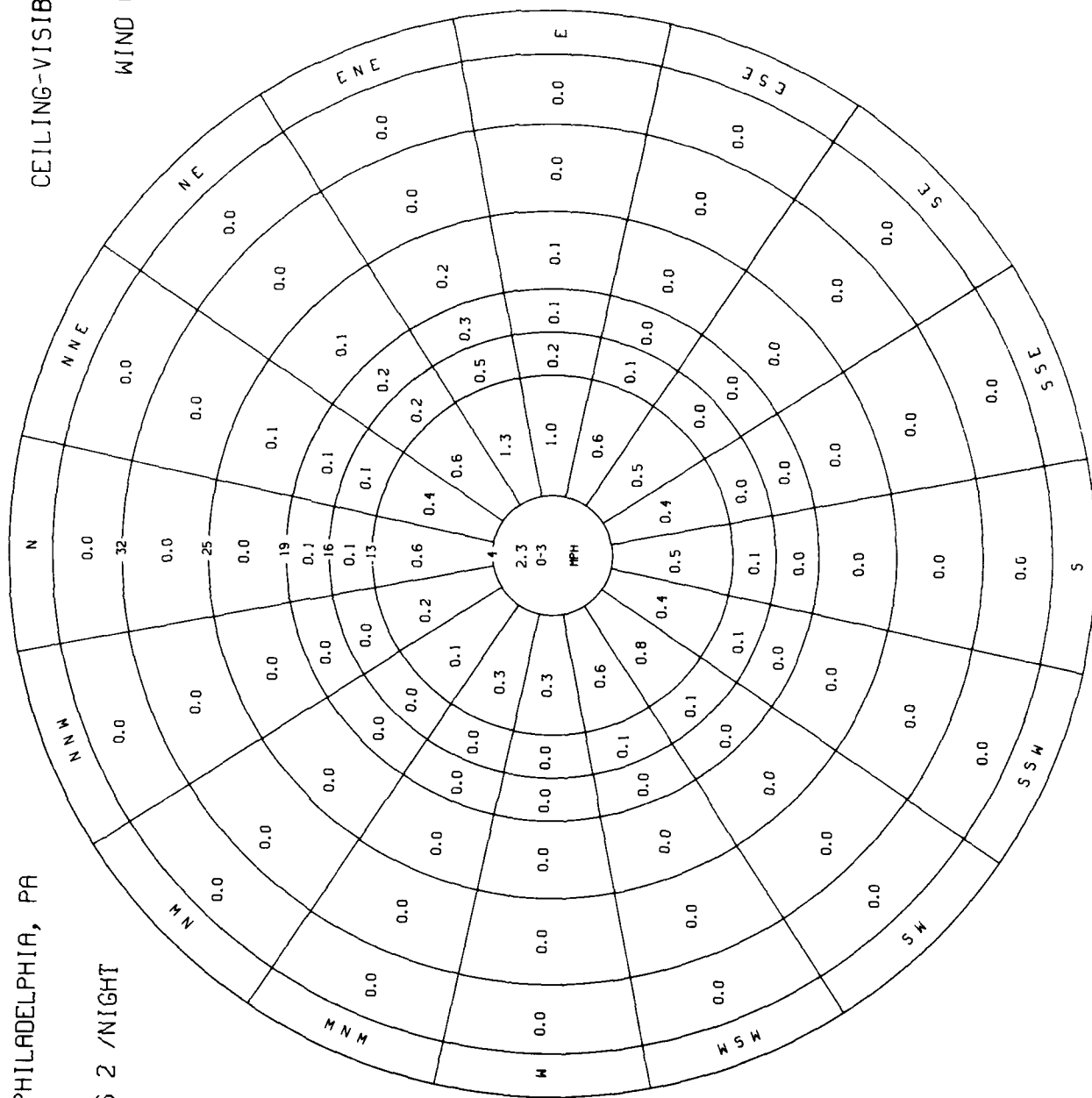
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	.5	.5	3.2	.1	.6	.0	.3	.0	.2	.0	.1	.0	.0	.8	4.9	9.4
NNE	.0	.3	.4	2.4	.1	.7	.1	.4	.0	.3	.0	.2	.0	.0	.7	4.3	11.5
NE	.1	.4	.5	3.3	.2	1.1	.2	1.0	.1	.6	.0	.2	.0	.0	1.0	6.5	12.1
ENE	.1	.6	1.3	8.3	.5	3.4	.4	2.2	.2	1.4	.0	.3	.0	.1	2.6	16.4	12.4
E	.1	.7	1.1	6.9	.3	1.7	.1	.9	.1	.6	.0	.1	.0	.0	1.7	10.9	10.4
ESE	.1	.6	.5	3.5	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.8	5.0	8.4
SE	.1	.6	.5	3.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.7	4.4	8.0
SSE	.1	.7	.4	2.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.5	7.9
S	.1	.8	.6	3.5	.1	.4	.1	.3	.0	.2	.0	.1	.0	.0	.8	5.4	8.9
SSW	.1	.6	.5	3.1	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.7	4.4	8.6
SW	.1	.6	1.2	7.6	.1	.8	.1	.3	.0	.1	.0	.0	.0	.0	1.5	9.5	8.6
WSW	.2	1.0	1.1	7.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	1.4	9.0	8.0
W	.1	.7	.5	3.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.0	7.0
WNW	.1	.6	.2	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.2	7.5
NW	.1	.4	.2	1.3	.0	.1	.0	.1	.0	.2	.0	.0	.0	.0	.3	2.1	8.7
NNW	.1	.4	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	2.3	8.8
CALM	.8	5.2													.8	5.2	
TOTAL	2.3	14.6	9.7	61.5	1.8	11.4	1.1	6.9	.7	4.4	.2	1.0	.0	.2	15.8	100	9.2

PHL PHILADELPHIA, PA

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 5825

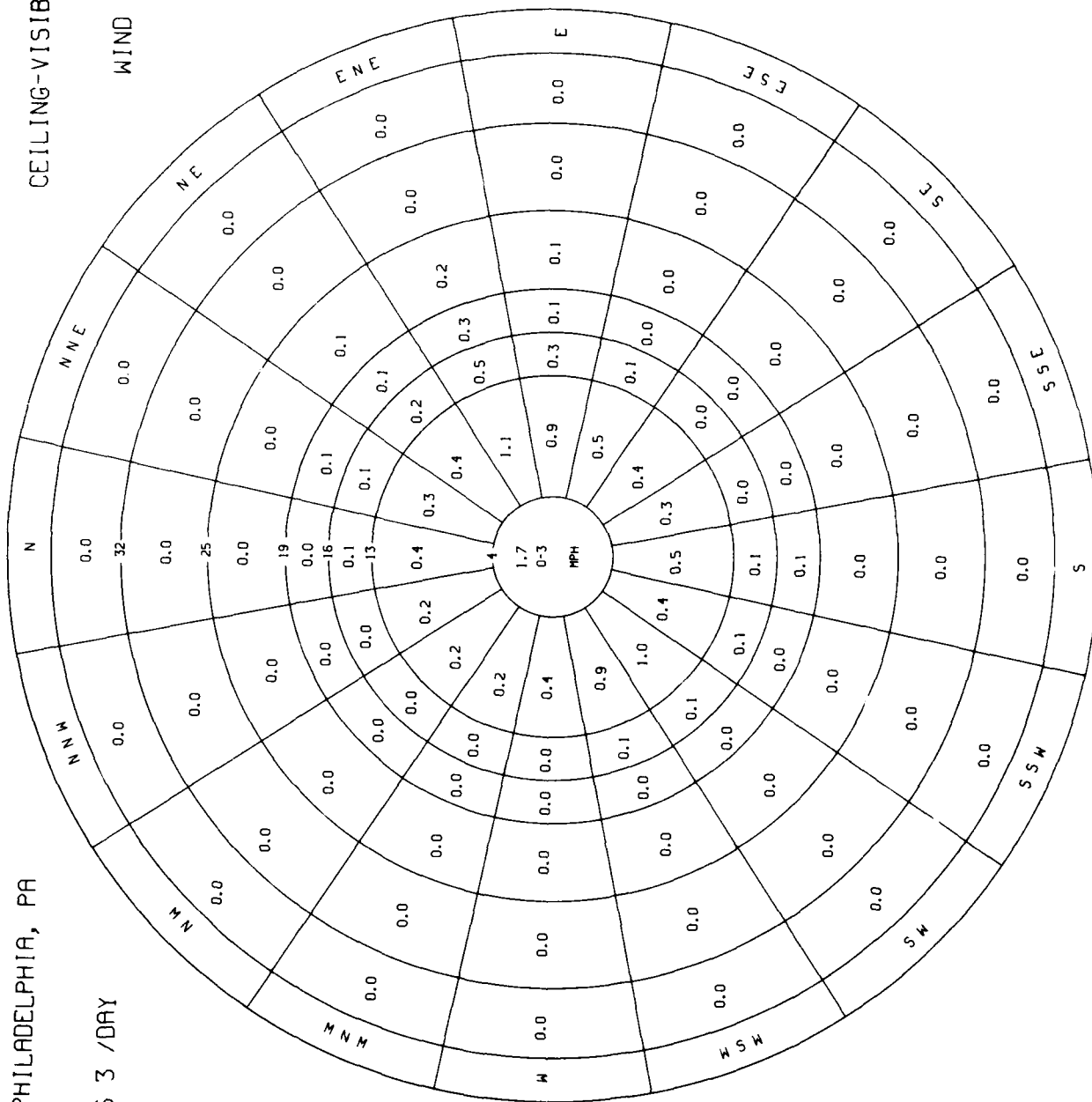
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	.5	.6	4.0	.1	.6	.1	.4	.0	.3	.0	.0	.0	.0	.0	.8	5.8	9.2
NNE	.0	.3	.4	2.6	.1	.8	.1	.5	.1	.4	.0	.1	.0	.0	.0	.7	4.7	11.4
NE	.0	.3	.6	3.8	.2	1.3	.2	1.1	.1	.9	.0	.1	.0	.0	.0	1.1	7.5	12.3
ENE	.1	.7	1.3	9.2	.5	3.4	.3	2.4	.2	1.6	.0	.3	.0	.1	.0	2.5	17.6	12.3
E	.1	.9	1.0	6.9	.2	1.7	.1	.7	.1	.4	.0	.1	.0	.0	.0	1.6	10.8	10.1
ESE	.1	.5	.6	4.1	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.8	5.5	8.5
SE	.1	.7	.5	3.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.6	4.5	7.5
SSE	.1	.5	.4	2.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.5	3.8	7.5
S	.1	.7	.5	3.4	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.0	.7	5.2	9.0
SSW	.1	.5	.4	2.8	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.6	4.1	9.0
SW	.1	.9	.8	5.7	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.1	7.6	8.3
WSW	.1	.9	.6	4.2	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.8	5.8	7.6
W	.1	.9	.3	2.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	3.5	6.5
WNW	.1	.5	.3	1.9	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.4	2.7	7.7
NW	.1	.4	.1	1.0	.0	.1	.0	.2	.0	.1	.0	.1	.0	.0	.0	.3	1.9	9.7
NNW	.1	.4	.2	1.6	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.4	2.5	8.9
CALM	.9	6.4														.9	6.4	
TOTAL	2.3	16.1	8.6	59.6	1.6	11.5	1.0	7.0	.7	4.7	.1	.9	.0	.2		14.4	100	9.1

PHL PHILADELPHIA, PA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 13739

NO. OBS.: 6692

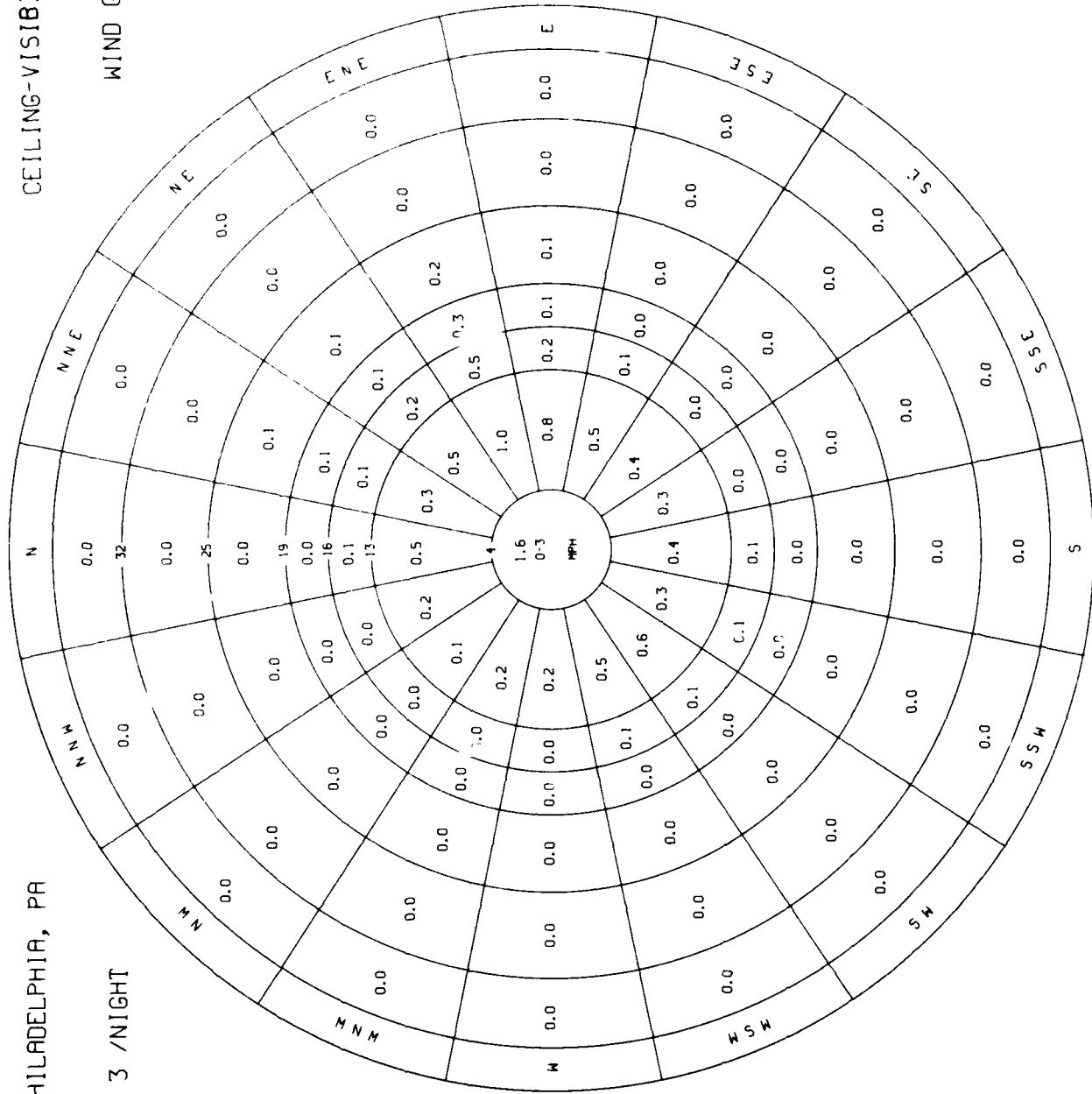
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.4	3.2	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.7	4.9	9.5
NNE	.0	.3	.3	2.5	.1	.7	.1	.5	.0	.3	.0	.1	.0	.0	.6	4.4	11.3
NE	.1	.4	.4	3.1	.2	1.2	.1	1.0	.1	.7	.0	.1	.0	.0	.9	6.5	12.4
ENE	.1	.4	1.1	8.1	.5	3.7	.3	2.5	.2	1.5	.0	.4	.0	.1	2.2	16.7	12.8
E	.1	.6	.9	6.5	.3	1.9	.1	1.0	.1	.7	.0	.1	.0	.0	1.4	10.8	10.9
ESE	.1	.6	.5	3.5	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.7	5.0	8.7
SE	.1	.5	.4	3.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.6	4.4	8.2
SSE	.1	.6	.3	2.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5	3.6	8.3
S	.1	.7	.5	3.6	.1	.5	.1	.4	.0	.3	.0	.1	.0	.0	.8	5.6	9.2
SSW	.1	.5	.4	3.0	.1	.4	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.4	9.0
SW	.1	.6	1.0	7.5	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	1.3	9.5	8.8
WSW	.1	.8	.9	7.1	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	1.2	8.9	8.1
W	.1	.7	.4	3.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.1	7.1
WNW	.1	.6	.2	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.2	7.6
NW	.0	.3	.2	1.4	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.1	8.9
NNW	.0	.3	.2	1.5	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.3	9.1
CALM	.6	4.6													.6	4.6	
TOTAL	1.7	13.0	8.2	61.1	1.6	12.3	1.0	7.7	.6	4.7	.1	1.0	.0	.2	13.4	100	9.5

CEILING-VISIBILITY

WIND GRAPH

PHL PHILADELPHIA, PA

CLASS 3 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 4731

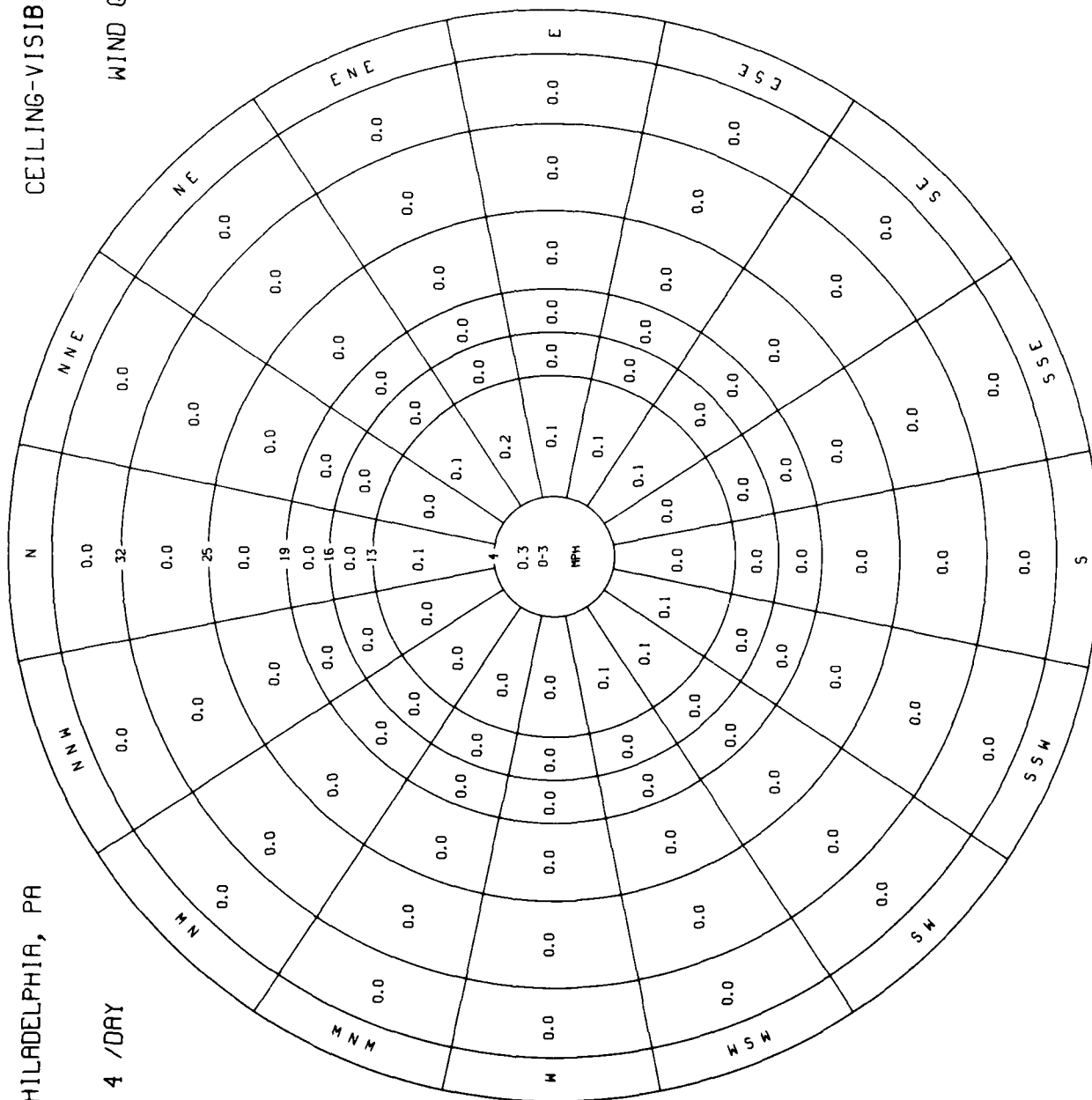
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.4	.5	4.2	.1	.7	.0	.4	.0	.2	.0	.0	.0	.0	.7 6.0
NNE	.0	.2	.3	2.8	.1	1.0	.1	.6	.1	.4	.0	.0	.0	.0	.6 5.0
NE	.0	.3	.5	3.9	.2	1.5	.1	1.2	.1	1.0	.0	.1	.0	.0	.9 8.0
ENE	.1	.6	1.0	8.3	.5	3.9	.3	2.8	.2	1.9	.0	.3	.0	.1	2.1 17.9
E	.1	.8	.8	6.8	.2	2.0	.1	.8	.1	.5	.0	.1	.0	.0	1.3 11.1
ESE	.0	.4	.5	4.1	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.7 5.6
SE	.1	.6	.4	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.4
SSE	.1	.5	.3	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.9
S	.1	.6	.4	3.4	.1	.5	.0	.4	.0	.3	.0	.1	.0	.0	.6 5.3
SSW	.0	.4	.3	2.8	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.5 4.2
SW	.1	.7	.6	5.4	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.8 7.3
WSW	.1	.7	.5	4.3	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.7 5.6
W	.1	.8	.2	2.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.1
WNW	.0	.4	.2	1.9	.0	.1	.0	.1	.0	.0	.0	.1	.0	.0	.3 2.7
NW	.0	.4	.1	1.1	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.2 2.1
NNW	.0	.4	.2	1.7	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.7
CALM	.6	5.3													.6 5.3
TOTAL	1.6	13.6	5.9	58.8	1.5	13.1	.9	8.0	.6	5.3	.1	.9	.0	.3	11.7 100

CEILING-VISIBILITY

WIND GRAPH

PHL PHILADELPHIA, PA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 4 / DAY

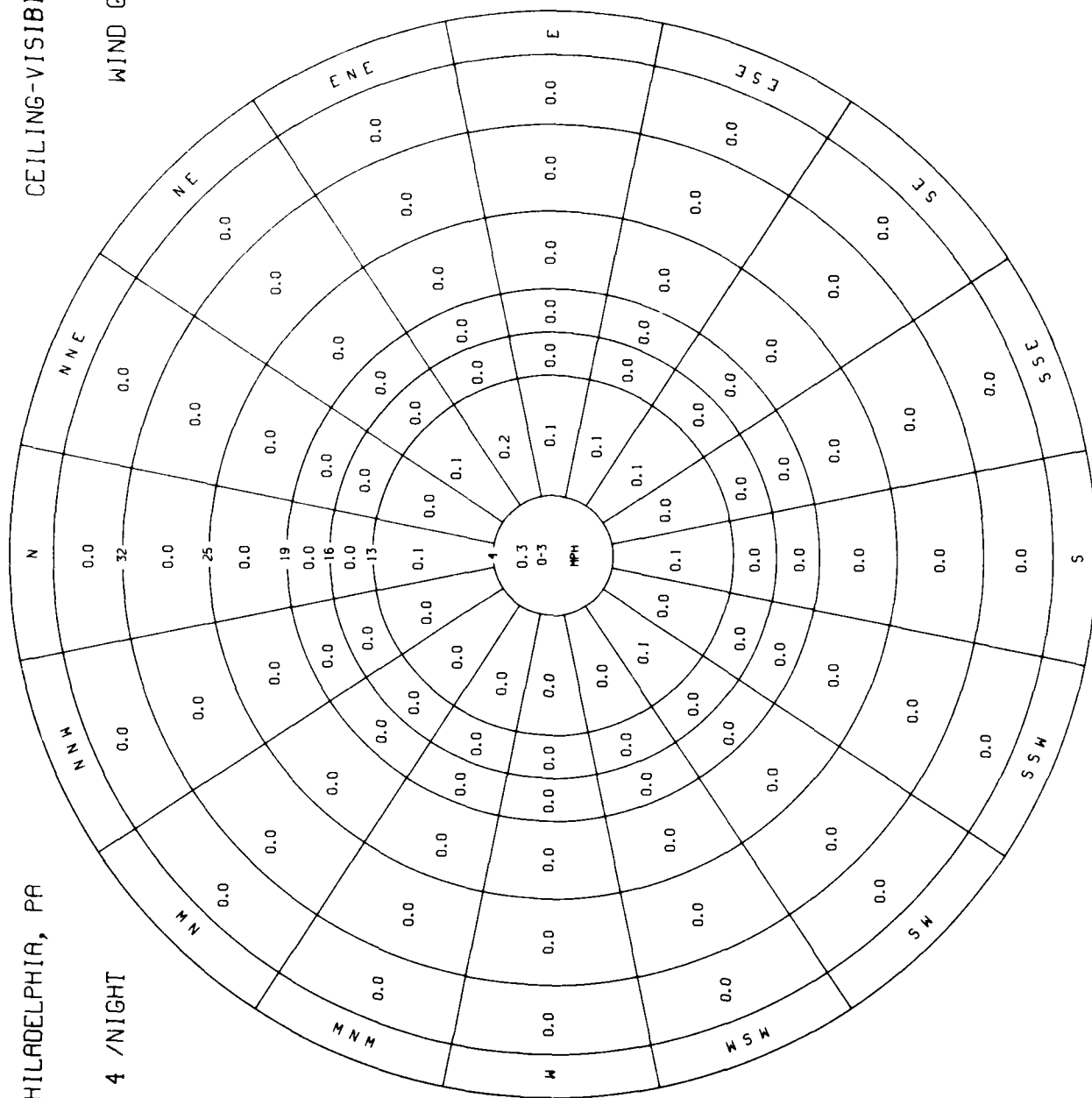
STATION NUMBER: 13739

NO. OBS.: 788

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		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	3.7	.0	.6	.0	.3	.0	.3	.0	.1	.0	.0	.1	5.3	9.7
NNE	.0	.4	.0	2.2	.0	.5	.0	.3	.0	.6	.0	.1	.0	.1	.1	4.2	12.4
NE	.0	.5	.1	4.9	.0	1.0	.0	.6	.0	.0	.0	.3	.0	.0	.1	7.4	10.4
ENE	.0	1.1	.2	10.4	.0	2.8	.0	.9	.0	.9	.0	.0	.0	.0	.3	16.1	10.3
E	.0	.9	.1	8.8	.0	1.0	.0	.5	.0	.1	.0	.0	.0	.0	.2	11.3	8.6
ESE	.0	.5	.1	3.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	7.5
SE	.0	.8	.1	3.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	6.8
SSE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.4
S	.0	1.0	.0	3.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.4	6.6
SSW	.0	1.3	.1	3.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.1	6.9
SW	.0	.9	.1	7.9	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.1	9.4	7.6
WSW	.0	1.9	.1	5.8	.0	.8	.0	.1	.0	.0	.0	.1	.0	.0	.1	8.8	7.2
W	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	2.9	6.6
WNW	.0	.3	.0	1.5	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.3	8.9
NW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	1.6	10.7
NNW	.0	.5	.0	2.2	.0	.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	3.0	7.9
CALM	.1	6.1													.1	6.1	
TOTAL	.3	18.4	1.0	65.7	.1	9.0	.0	2.9	.0	2.9	.0	.9	.0	.1	1.6	100	8.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 639

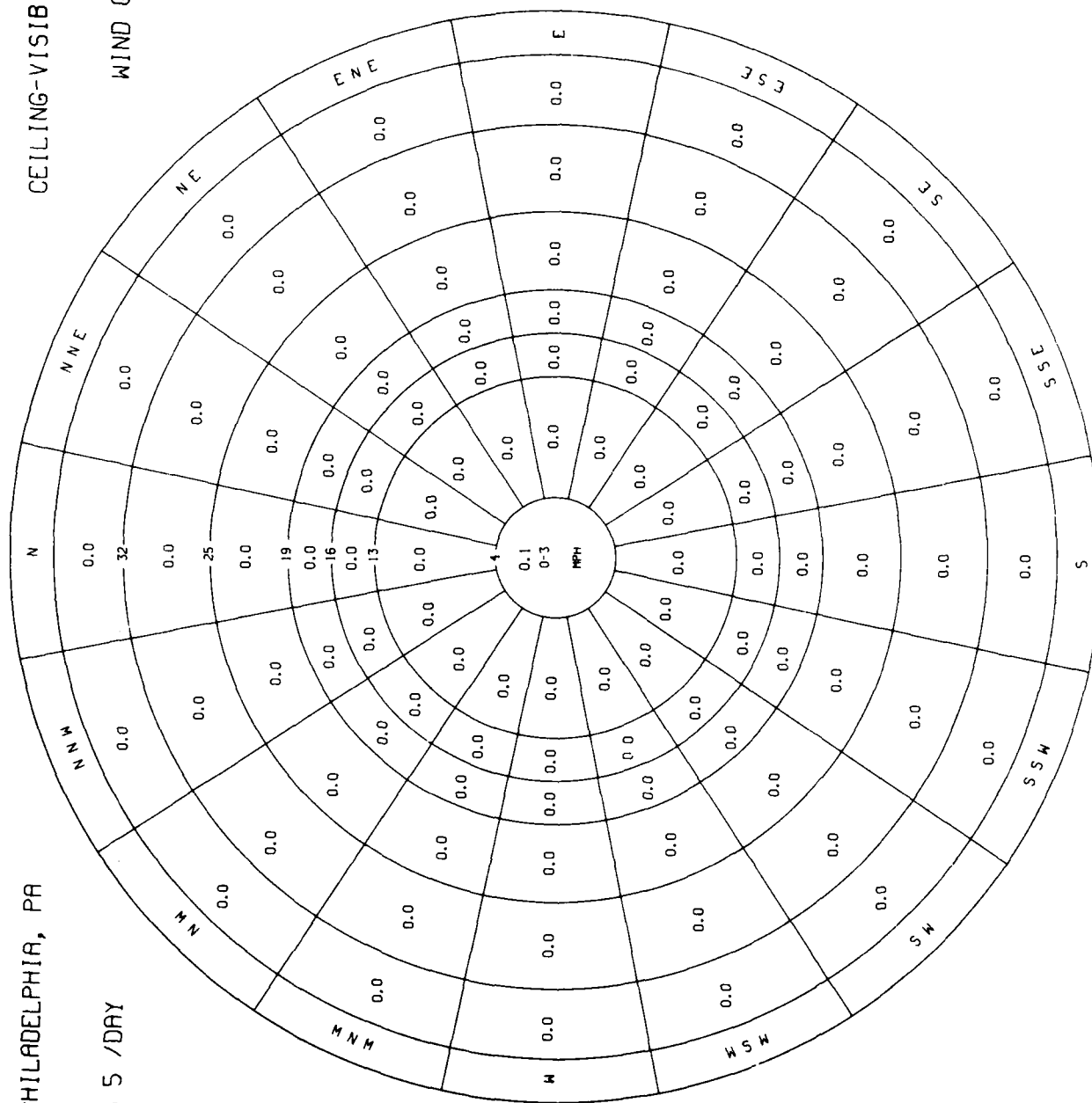
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.1	.1	3.6	.0	.2	.0	.6	.0	.3	.0	.0	.0	.0	.1	5.8	8.0
NNE	.0	.3	.0	2.2	.0	.5	.0	.3	.0	.2	.0	.5	.0	.0	.1	3.9	11.7
NE	.0	.2	.1	4.5	.0	.8	.0	.9	.0	.9	.0	.0	.0	.0	.1	7.4	11.5
ENE	.0	.6	.2	14.1	.0	1.7	.0	1.1	.0	.8	.0	.3	.0	.0	.3	18.6	10.3
E	.0	1.6	.1	8.6	.0	1.1	.0	.5	.0	.3	.0	.0	.0	.0	.2	12.1	8.2
ESE	.0	.8	.1	3.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.9	6.8
SE	.0	.8	.1	3.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	6.3
SSE	.0	.5	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.7
S	.0	1.1	.1	4.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.8	6.2
SSW	.0	.8	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	7.4
SW	.0	.8	.1	6.3	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.1	7.8	7.8
WSW	.0	.8	.0	2.8	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.2	7.9
W	.0	.6	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	6.0
WNW	.0	.5	.0	1.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.0	6.6
NW	.0	.3	.0	1.1	.0	.0	.0	.2	.0	.2	.0	.2	.0	.0	.0	1.9	9.7
NNW	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	2.0	8.5
CALM	.1	8.6													.1	8.6	
TOTAL	.3	19.9	1.0	65.9	.1	5.9	.1	4.4	.0	2.7	.0	1.3	.0	.0	1.6	100	7.7

PHL PHILADELPHIA, PA

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 5 / DAY

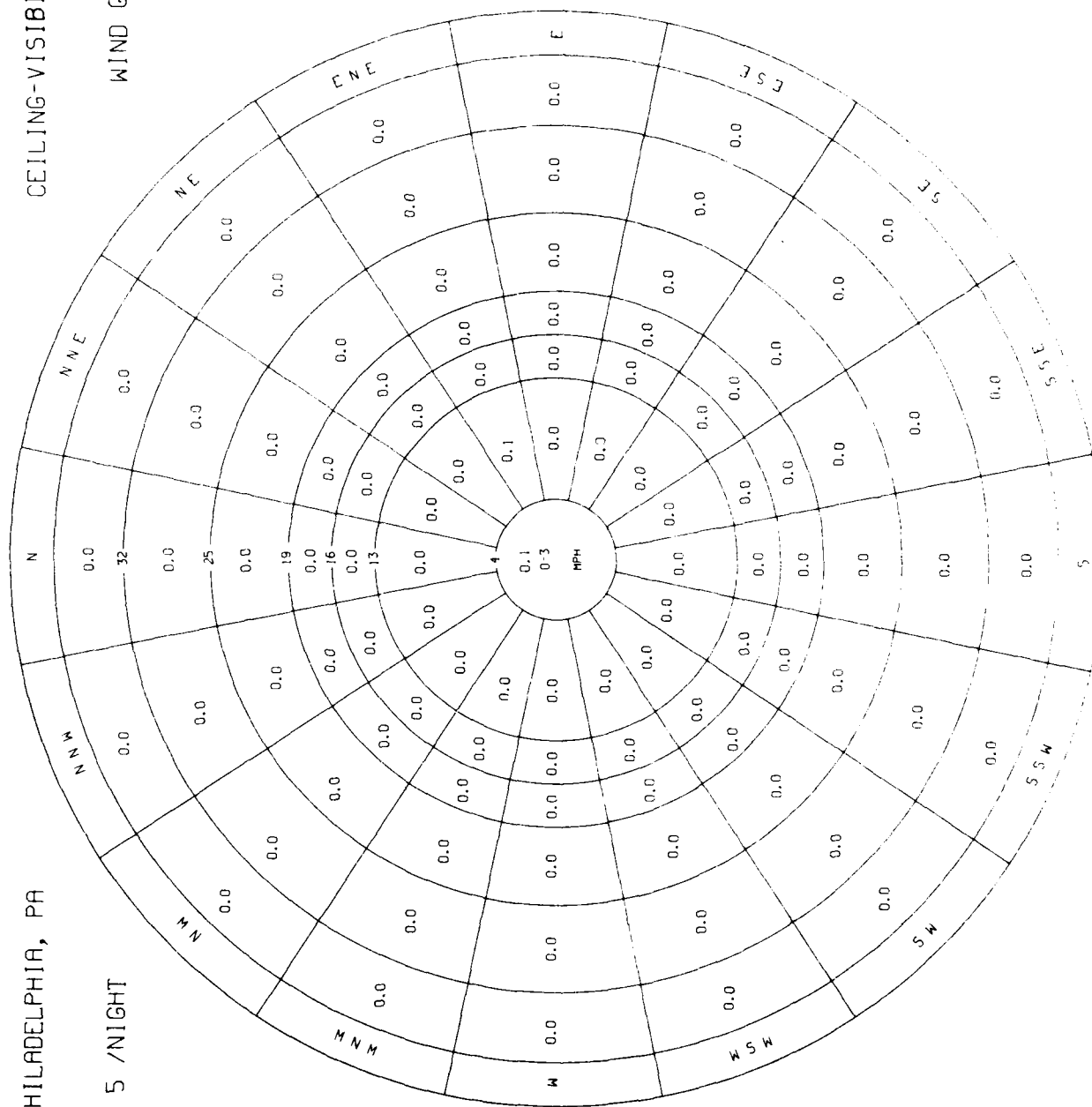
STATION NUMBER: 13739

NO. OBS.: 196

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	3.6	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0 6.1
NNE	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0 3.1
NE	.0	.5	.0	4.6	.0	.5	.0	.5	.0	1.5	.0	.5	.0	.0	.0 8.2
ENE	.0	1.5	.0	8.2	.0	1.5	.0	1.5	.0	2.0	.0	.0	.0	.5	.1 15.3
E	.0	1.5	.0	12.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 14.8
ESE	.0	1.5	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
SE	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
SSE	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
S	.0	.0	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
SSW	.0	1.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
SW	.0	.5	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.2
WSW	.0	.5	.0	7.7	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0 9.7
W	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.1
WNW	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
NW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
NNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
CALM	.0	4.6													.0 4.6
TOTAL	.1	17.9	.3	67.9	.0	3.6	.0	3.6	.0	4.6	.0	2.0	.0	.5	.4 100
															8.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 200

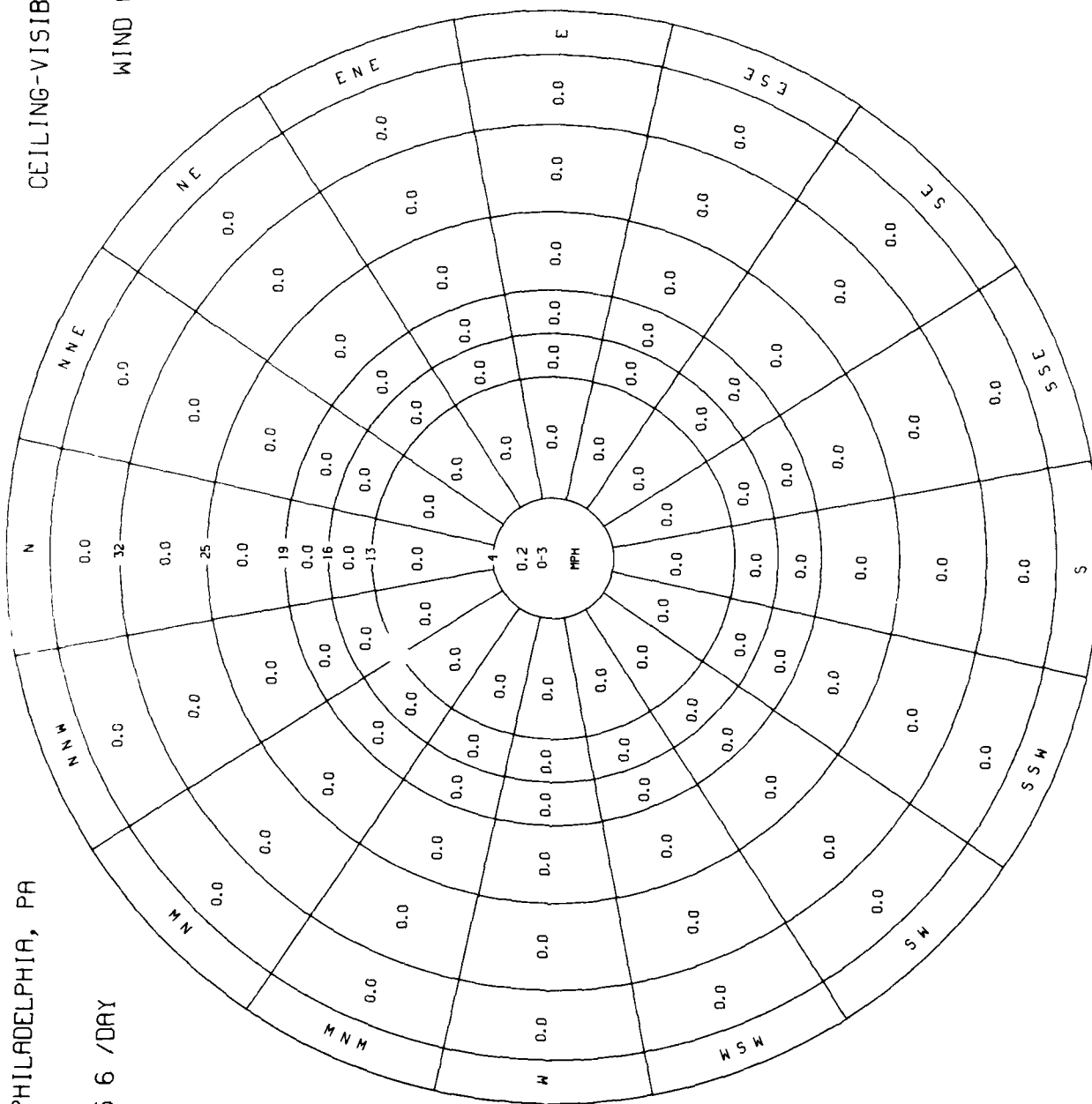
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.5	.0	3.0	.0	.0	.0	.5	.0	1.5	.0	.0	.0	.0	.0 5.5
NNE	.0	1.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
N E	.0	.5	.0	2.5	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0 4.0
ENE	.0	1.5	.1	11.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1 13.5
E	.0	1.5	.0	7.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.5
ESE	.0	1.5	.0	6.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 8.0
SE	.0	1.5	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
SSE	.0	1.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.0
S	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
SSW	.0	.5	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.5
SW	.0	2.5	.0	5.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.0
WSW	.0	2.5	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.0
W	.0	2.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
WNW	.0	2.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0 35.0
NNW	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
CALM	.0	8.0													.0 8.0
TOTAL	.1	28.5	.3	64.5	.0	3.0	.0	1.0	.0	2.0	.0	.5	.0	.5	.5 100
															6.6

PHL PHILADELPHIA, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 13739

NO. OBS.: 244

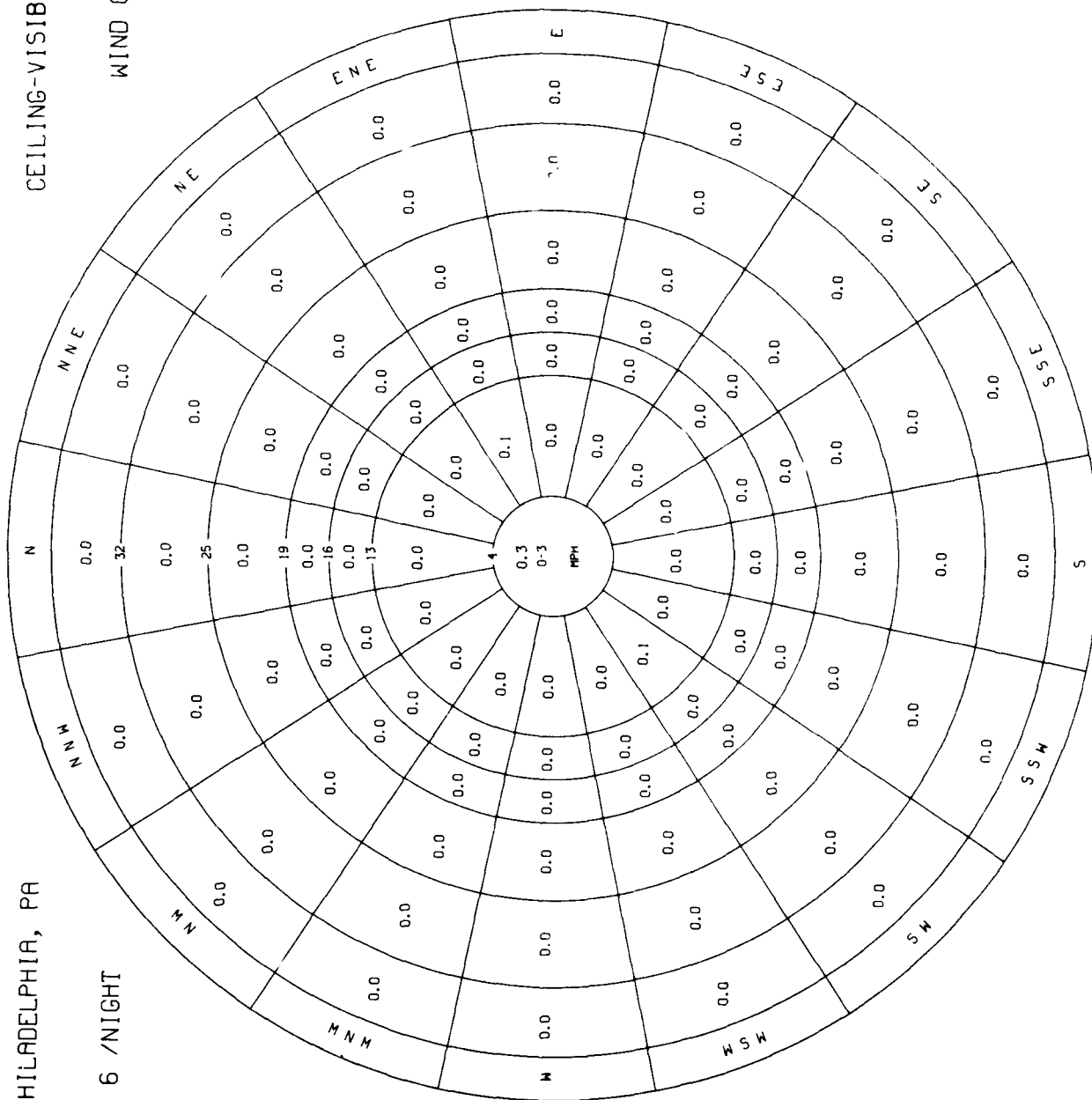
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
NNE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 1.6
NE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0 2.9
ENE	.0	.8	.0	8.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.4
E	.0	1.6	.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.0
ESE	.0	2.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
SE	.0	1.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.3
SSE	.0	.8	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
S	.0	1.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
SSW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
SW	.0	1.2	.0	8.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0 10.2
WSW	.0	3.7	.0	9.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1 13.1
W	.0	2.9	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
WNW	.0	2.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
NW	.0	3.3	.0	1.2	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0 4.9
NNW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
CALM	.1	18.0													.1 18.0
TOTAL	.2	43.9	.3	53.3	.0	.4	.0	.8	.0	1.6	.0	.0	.0	.0	.5 100

PHL PHILADELPHIA, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PHL PHILADELPHIA, PA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13739

NO. OBS.: 255

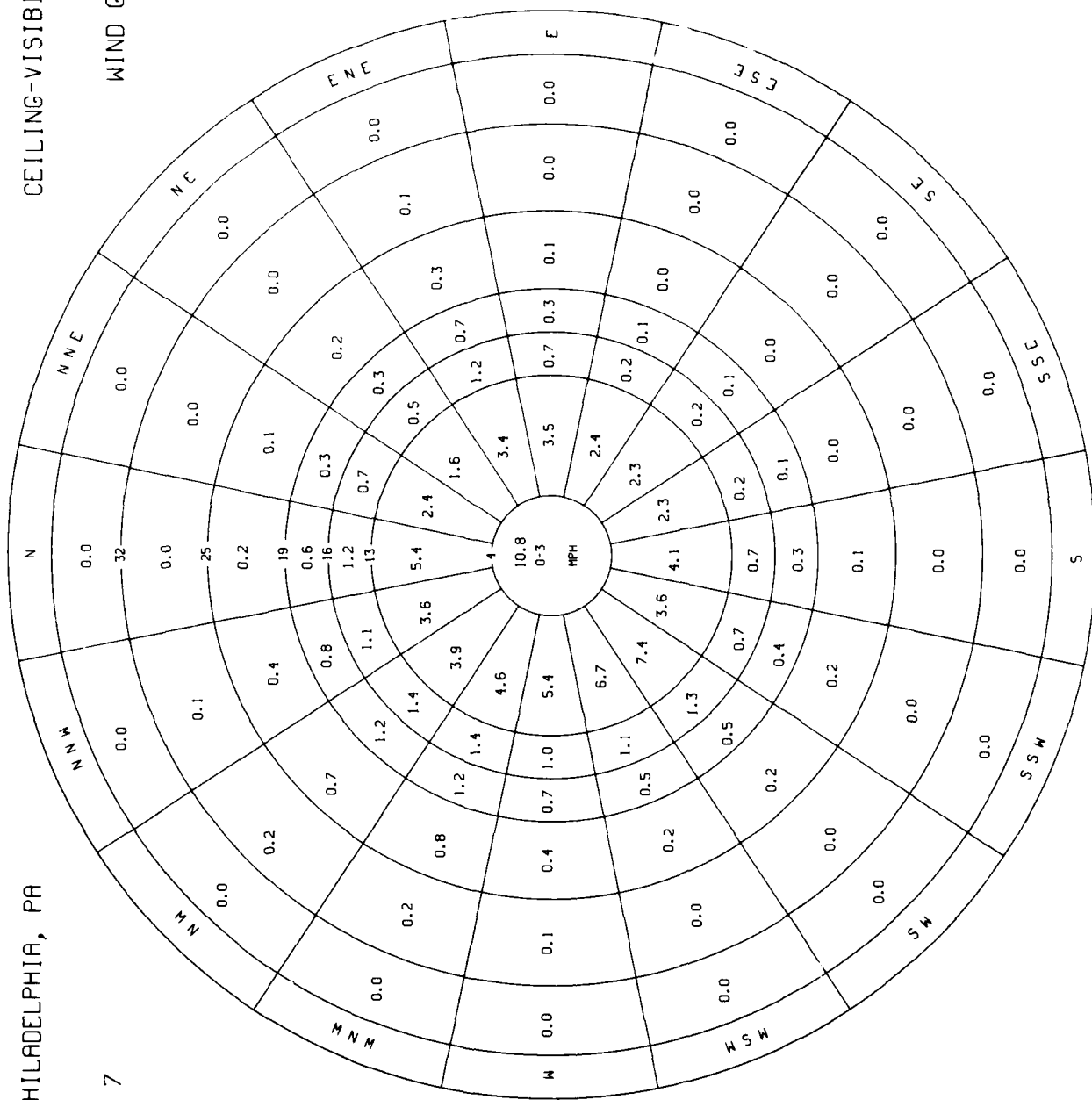
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.6	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
NNE	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
NE	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
ENE	.0	1.2	.1	10.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.8
E	.0	1.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
ESE	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.7
SE	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.5
SSE	.0	1.6	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
S	.0	1.6	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.1
SSW	.0	.4	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
SW	.0	2.4	.1	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 12.2
WSW	.0	3.9	.0	7.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.4
W	.0	2.7	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.4
WNW	.0	1.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.7
NW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
NNW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
CALM	.1	19.6													.1 19.6
TOTAL	.3	43.1	.3	54.9	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 100
															4.7

CEILING-VISIBILITY

WIND GRAPH

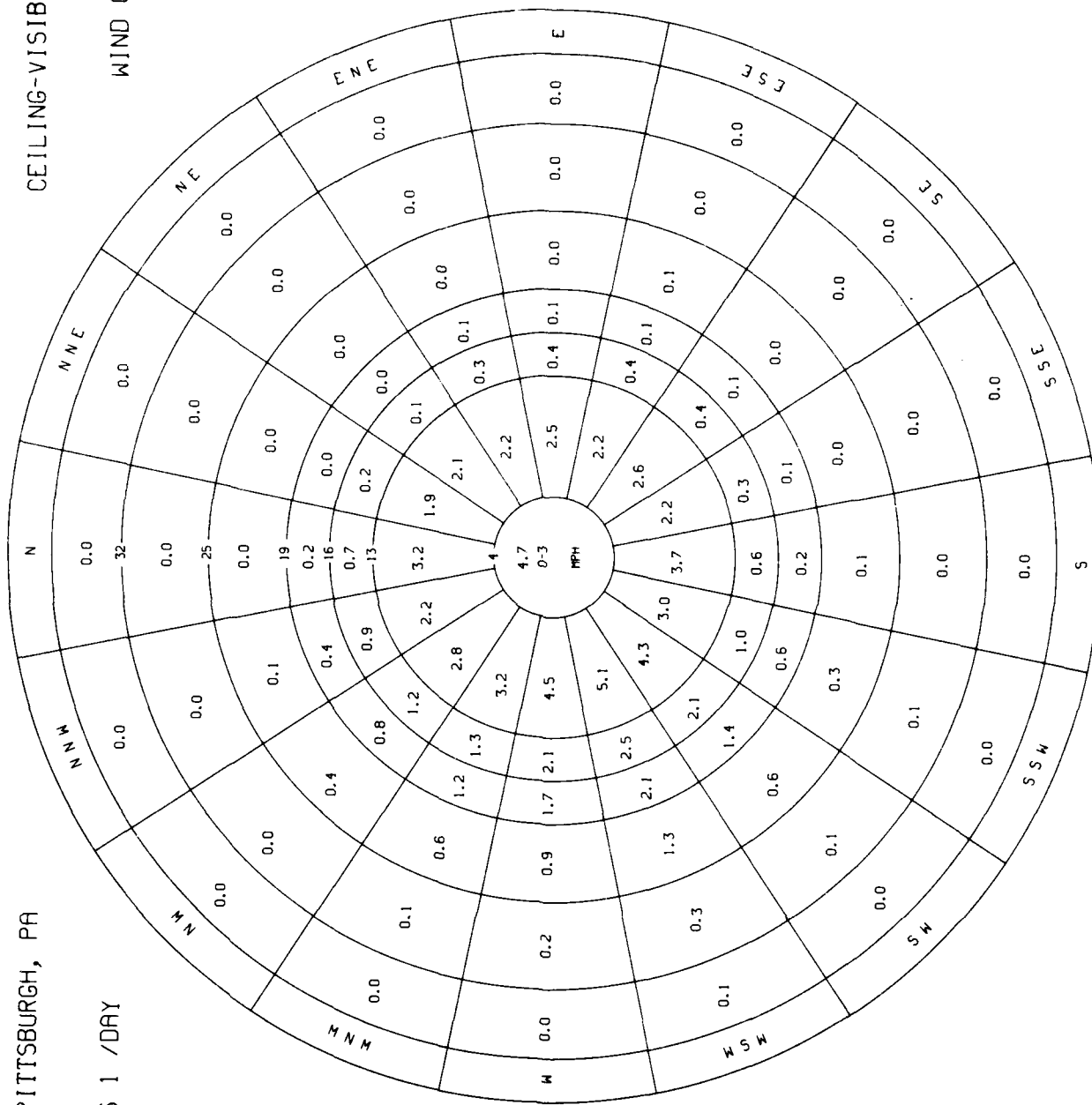
PHL PHILADELPHIA, PA

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 1 / DAY

STATION NUMBER: 94823

NO. OBS.: 32777

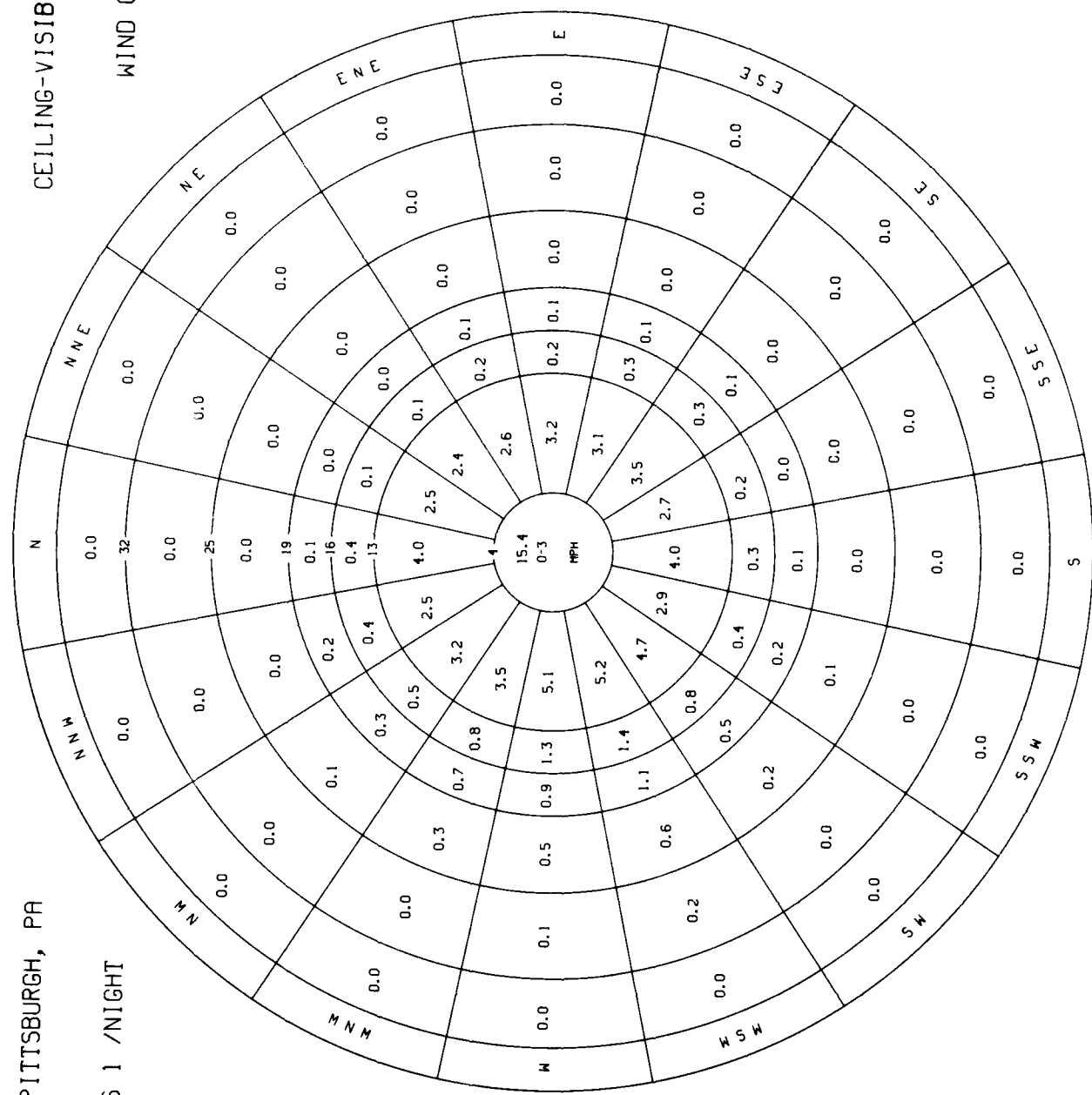
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.1	3.2	3.9	.7	.8	.2	.3	.0	.0	.0	.0	.0	.0	4.2 5.2
NNE	.1	.2	1.9	2.4	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.3 2.8
NE	.1	.1	2.1	2.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3 2.9
ENE	.1	.1	2.2	2.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.7 3.3
E	.2	.3	2.5	3.1	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.3 4.0
ESE	.2	.2	2.2	2.7	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	2.9 3.6
SE	.2	.3	2.6	3.2	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.4 4.1
SSE	.2	.2	2.2	2.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.8 3.5
S	.3	.3	3.7	4.5	.6	.8	.2	.3	.1	.1	.0	.0	.0	.0	4.9 6.0
SSW	.1	.1	3.0	3.7	1.0	1.2	.6	.8	.3	.3	.1	.1	.0	.0	5.1 6.3
SW	.2	.2	4.3	5.2	2.1	2.5	1.4	1.7	.6	.8	.1	.2	.0	.0	8.6 10.6
WSW	.2	.2	5.1	6.3	2.5	3.1	2.1	2.6	1.3	1.5	.3	.4	.1	.1	11.6 14.2
W	.1	.2	4.5	5.5	2.1	2.6	1.7	2.1	.9	1.1	.2	.2	.0	.1	9.5 11.7
WNW	.1	.1	3.2	3.9	1.3	1.6	1.2	1.4	.6	.7	.1	.1	.0	.0	6.4 7.9
NW	.1	.1	2.8	3.4	1.2	1.4	.8	.9	.4	.4	.0	.0	.0	.0	5.2 6.4
NNW	.1	.1	2.2	2.7	.9	1.1	.4	.5	.1	.1	.0	.0	.0	.0	3.7 4.5
CALM	2.3	2.8													2.3 2.8
TOTAL	4.7	5.8	47.6	58.5	14.4	17.8	9.3	11.4	4.3	5.3	.8	1.0	.1	.2	81.2 100

PIT PITTSBURGH, PA

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 1 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 30199

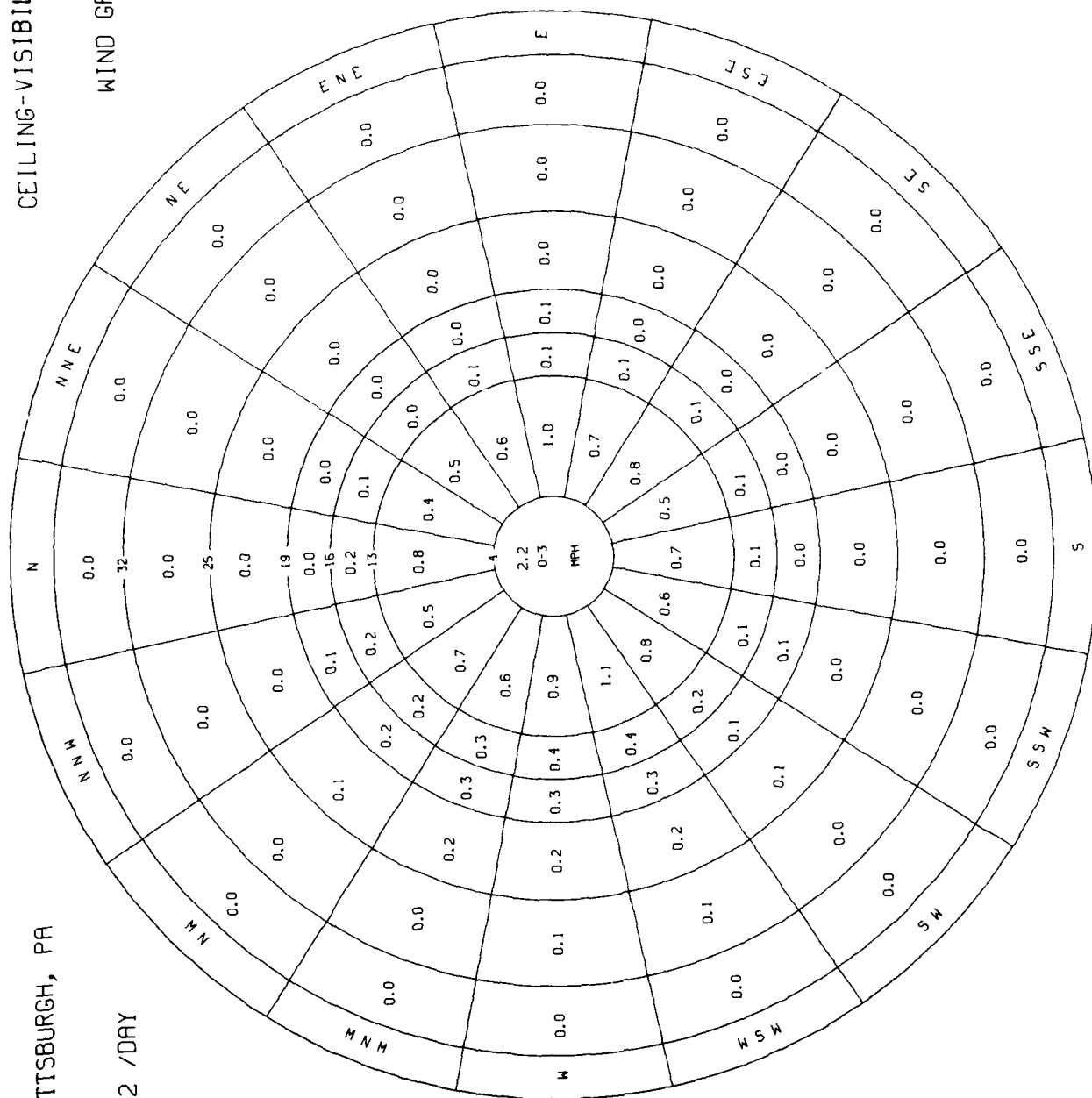
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			
N	.2	.3	4.0	4.7	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	4.8	5.7	8.5
NNE	.3	.3	2.5	2.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.4	7.2
NE	.3	.3	2.4	2.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.3	6.9
ENE	.2	.3	2.6	3.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.7	8.1
E	.5	.6	3.2	3.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.7	7.2
ESE	.5	.6	3.1	3.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.8	7.9
SE	.5	.6	3.5	4.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.4	5.2	7.4
SSE	.5	.6	2.7	3.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.0	7.1
S	.7	.9	4.0	4.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.0	6.0	7.1
SSW	.3	.4	2.9	3.4	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.9	4.6	8.7
SW	.4	.5	4.7	5.5	.8	1.0	.5	.6	.2	.2	.0	.0	.0	.0	6.6	7.8	9.6
WSW	.4	.5	5.2	6.2	1.4	1.6	1.1	1.3	.6	.7	.2	.2	.0	.0	8.9	10.5	11.3
W	.5	.6	5.1	6.1	1.3	1.5	.9	1.1	.5	.6	.1	.1	.0	.0	8.5	10.0	10.6
WNW	.4	.5	3.5	4.1	.8	1.0	.7	.8	.3	.3	.0	.0	.0	.0	5.7	6.7	10.2
NW	.3	.4	3.2	3.8	.5	.6	.3	.4	.1	.2	.0	.0	.0	.0	4.5	5.3	9.3
NNW	.1	.2	2.5	2.9	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	3.2	3.7	9.2
CALM	9.1	10.8													9.1	10.8	
TOTAL	15.4	18.2	54.9	64.7	7.7	9.1	4.4	5.2	2.0	2.3	.4	.4	.1	.1	84.8	100	8.0

CEILING-VISIBILITY

WIND GRAPH

PIT PITTSBURGH, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 2 / DAY

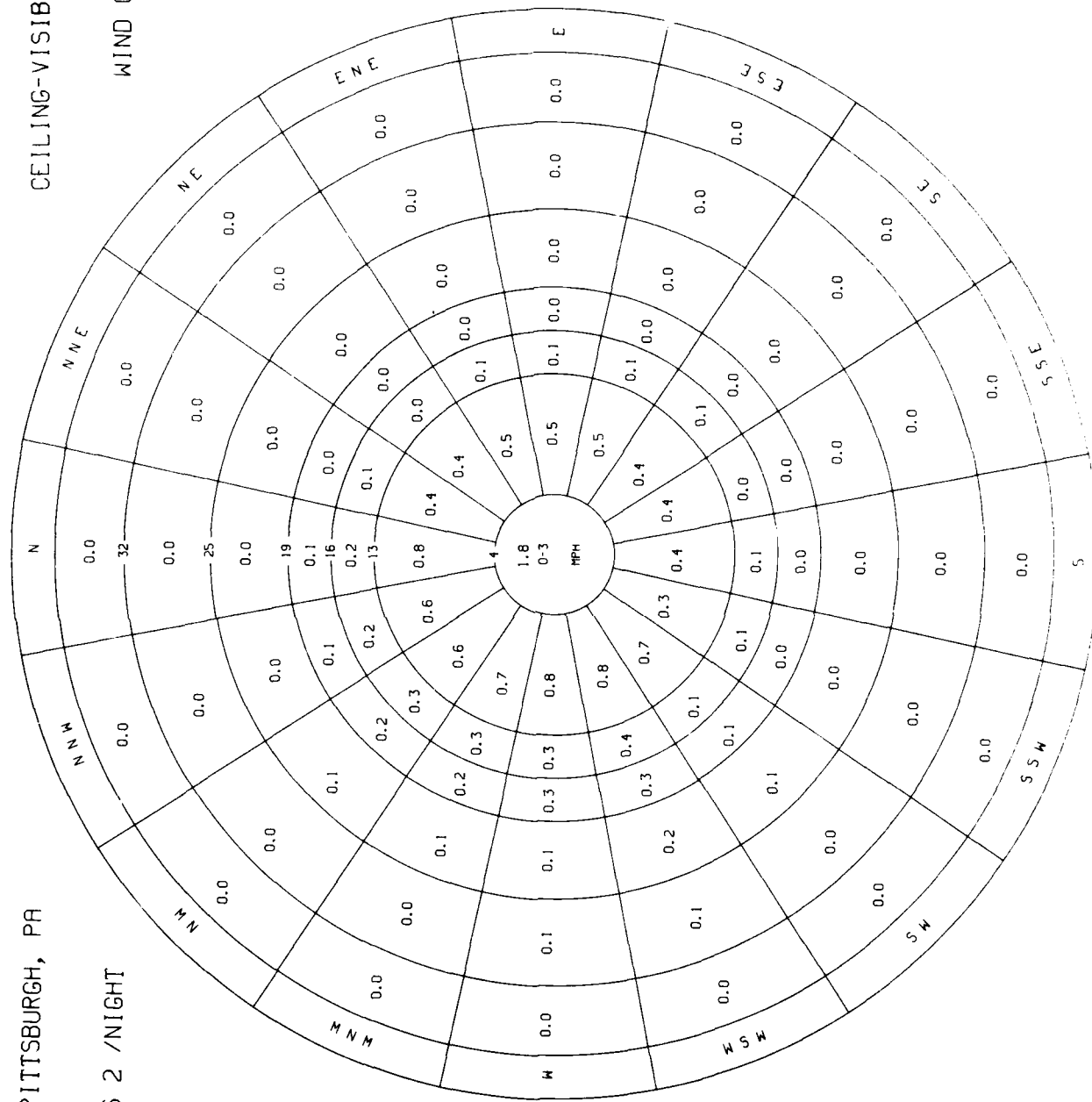
STATION NUMBER: 94823

NO. OBS.: 7571

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.2	.8	4.1	.2	1.0	.0	.2	.0	.1	.0	.0	.0	.0	1.1	5.7	9.6
NNE	.1	.3	.4	1.9	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.6	8.3
NE	.1	.3	.5	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.1	7.8
ENE	.1	.3	.6	3.0	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7	3.9	8.6
E	.1	.5	1.0	5.5	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	1.3	6.9	8.2
ESE	.1	.4	.7	3.8	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.9	5.0	8.6
SE	.1	.6	.8	4.1	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.2	7.6
SSE	.1	.4	.5	2.8	.1	.3	.0	.0	.0	.1	.0	.0	.0	.0	.7	3.6	7.5
S	.1	.5	.7	3.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.9	4.7	7.6
SSW	.0	.2	.6	3.1	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	.8	4.3	10.0
SW	.1	.3	.8	4.4	.2	1.1	.1	.7	.1	.3	.0	.0	.0	.0	1.3	7.0	10.6
WSW	.0	.3	1.1	6.0	.4	2.2	.3	1.4	.2	1.0	.1	.3	.0	.0	2.1	11.3	12.4
W	.1	.3	.9	5.1	.4	2.1	.3	1.7	.2	.9	.1	.3	.0	.1	2.0	10.6	12.7
WNW	.0	.3	.6	3.4	.3	1.7	.3	1.4	.2	.8	.0	.1	.0	.0	1.5	7.8	12.8
NW	.0	.2	.7	3.6	.2	1.2	.2	1.1	.1	.5	.0	.1	.0	.0	1.2	6.6	11.9
NNW	.0	.1	.5	2.8	.2	1.3	.1	.6	.0	.2	.0	.0	.0	.0	.9	5.0	11.8
CALM	1.2	6.6													1.2	6.6	
TOTAL	2.2	11.9	11.2	59.9	2.7	14.3	1.6	8.5	.8	4.3	.2	1.0	.0	.1	18.8	100	97

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 2 / NIGHT

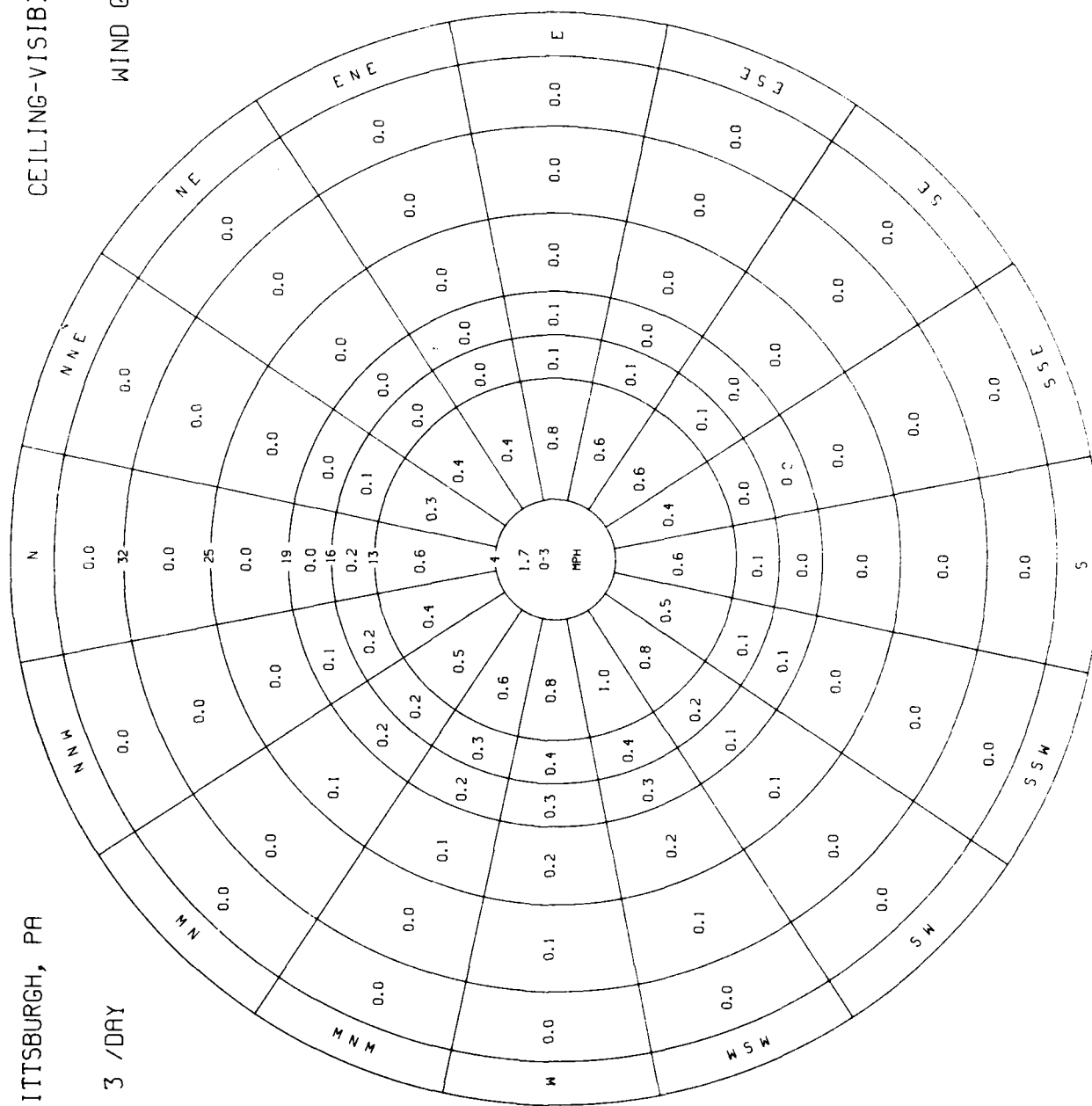
STATION NUMBER: 94823

NO. OBS.: 5394

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	.1	.8	5.1	.2	1.1	.1	.4	.0	.1	.0	.0	.0	.0	1.0	6.8	9.9
NNE	.0	.2	.4	2.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.2	8.3
NE	.0	.3	.4	2.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.3	8.0
ENE	.0	.2	.5	3.2	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.7	4.3	9.3
E	.1	.4	.5	3.5	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7	4.6	8.5
ESE	.0	.3	.5	3.2	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6	4.1	8.2
SE	.1	.5	.4	2.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.9	7.8
SSE	.1	.6	.4	2.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.1	6.8
S	.1	.5	.4	2.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.7	7.5
SSW	.0	.1	.3	2.2	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.5	3.3	9.8
SW	.0	.3	.7	4.3	.1	.9	.1	.6	.1	.4	.0	.1	.0	.0	1.0	6.7	10.8
WSW	.0	.3	.8	5.2	.4	2.4	.3	1.7	.2	1.1	.1	.6	.0	.1	1.7	11.4	13.1
W	.1	.4	.8	5.4	.3	2.1	.3	1.7	.1	.6	.1	.3	.0	.0	1.6	10.6	12.1
WNW	.0	.3	.7	4.7	.3	2.2	.2	1.4	.1	.8	.0	.2	.0	.0	1.4	9.5	12.3
NW	.0	.3	.6	4.0	.3	1.7	.2	1.1	.1	.8	.0	.2	.0	.0	1.2	8.1	12.5
NNW	.0	.2	.6	4.0	.2	1.5	.1	.6	.0	.2	.0	.0	.0	.0	1.0	6.5	10.8
CALM	1.1	6.9													1.1	6.9	
TOTAL	1.8	12.0	8.8	58.0	2.4	15.5	1.4	8.9	.6	4.1	.2	1.4	.0	.1	15.2	100	9.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 3 / DAY

STATION NUMBER: 94823

NO. OBS.: 6409

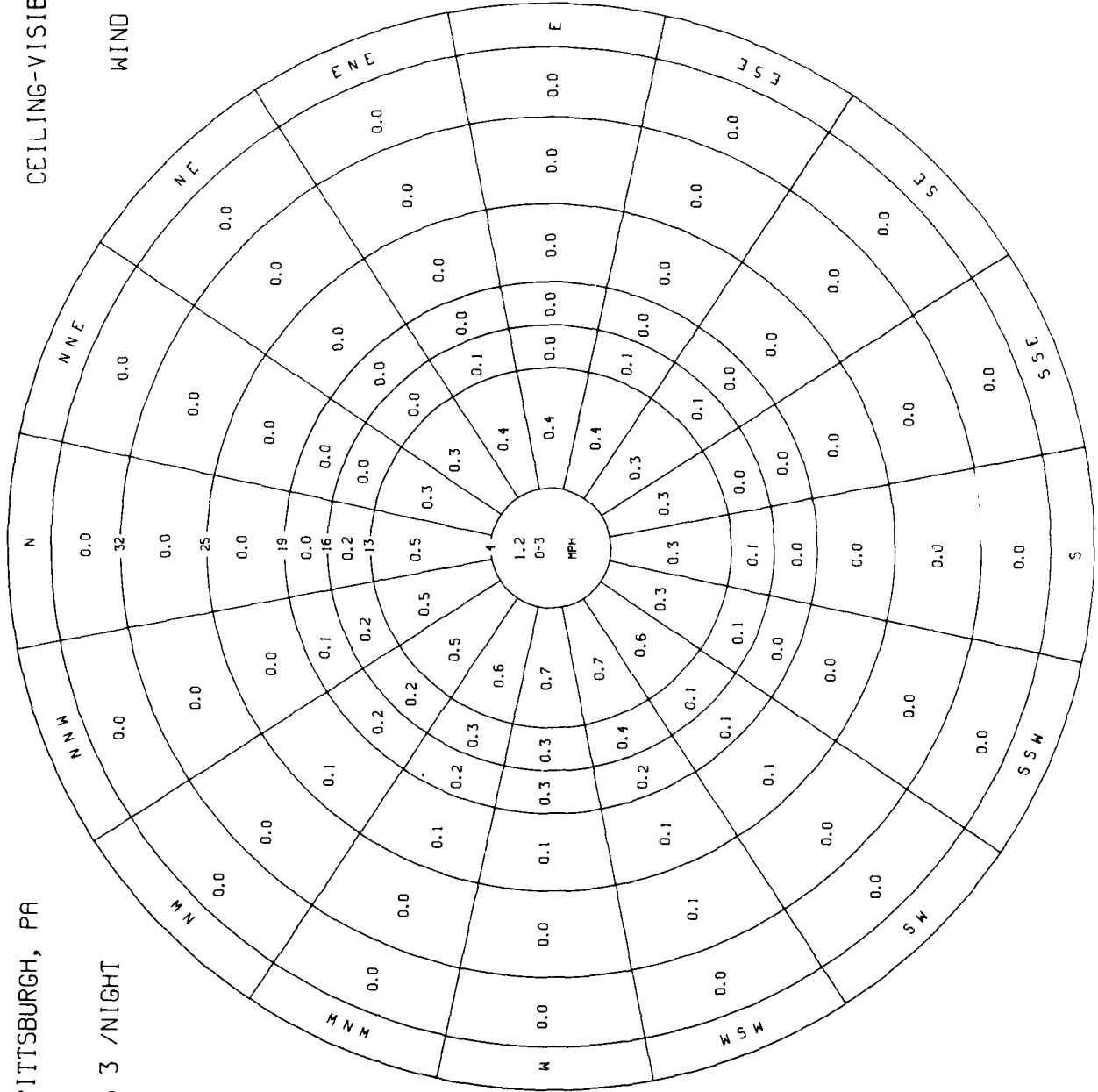
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.2	.6	3.7	.2	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	5.2	9.6
NNE	.0	.2	.3	1.8	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	2.5	8.5
NE	.0	.2	.4	2.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	2.9	7.9
ENE	.0	.3	.4	2.7	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.6	3.6	8.6
E	.1	.5	.8	5.1	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	.0	1.1	6.6	8.4
ESE	.1	.4	.6	3.6	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	4.8	8.1
SE	.1	.5	.6	3.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	5.0	7.7
SSE	.1	.4	.4	2.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	7.7
S	.1	.5	.6	3.7	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.7	7.9
SSW	.0	.2	.5	3.3	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.7	4.6	10.3
SW	.1	.3	.8	4.8	.2	1.3	.1	.8	.1	.4	.0	.0	.0	.0	.0	1.2	7.8	10.9
WSW	.0	.2	1.0	6.4	.4	2.5	.3	1.6	.2	1.1	.1	.3	.0	.0	.0	2.0	12.3	12.6
W	.0	.3	.8	5.2	.4	2.3	.3	1.9	.2	1.1	.1	.3	.0	.0	.0	1.8	11.1	12.9
WNW	.0	.2	.6	3.5	.3	2.0	.2	1.5	.1	.9	.0	.1	.0	.0	.0	1.3	8.2	13.0
NW	.0	.2	.5	3.4	.2	1.3	.2	1.2	.1	.6	.0	.1	.0	.0	.0	1.1	6.8	12.3
NNW	.0	.1	.4	2.8	.2	1.2	.1	.6	.0	.2	.0	.0	.0	.0	.0	.8	4.9	11.7
CALM	.9	5.5														.9	5.5	
TOTAL	1.7	10.4	9.4	58.9	2.5	15.6	1.5	9.2	.8	4.7	.2	1.0	.0	.2	15.9	100		10.0

PIT PITTSBURGH, PA

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 3 / NIGHT

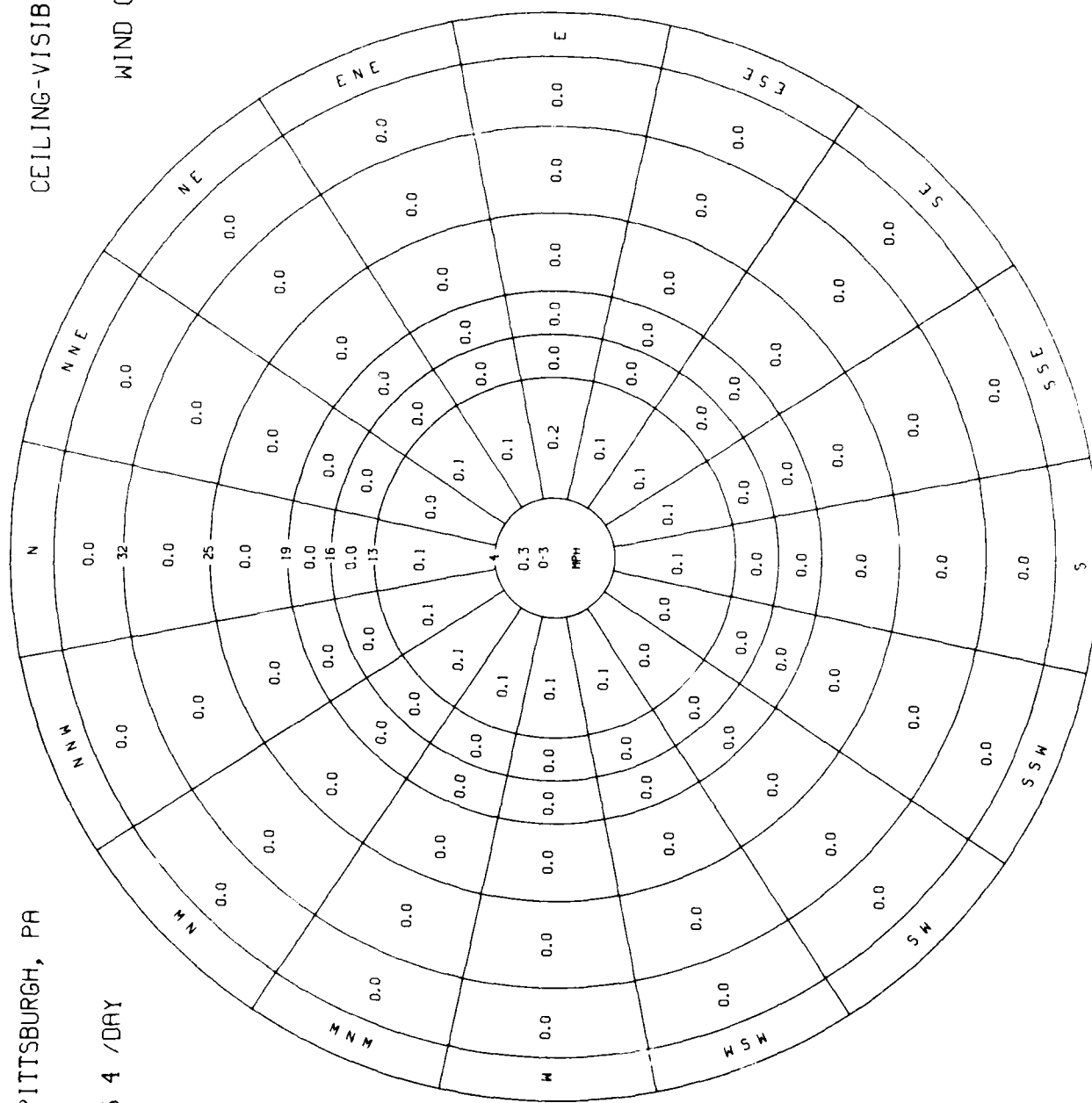
STATION NUMBER: 94823

NO. OBS.: 4321

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	4.5	.2	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.6 6.3 10.1
NNE	.0	.2	.3	2.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.8 8.3
NE	.0	.2	.3	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.8 8.2
ENE	.0	.2	.4	2.9	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.1 9.5
E	.0	.3	.4	3.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.0 8.9
ESE	.0	.3	.4	2.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.5 3.8 8.5
SE	.0	.4	.3	2.4	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.3 8.1
SSE	.1	.5	.3	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.6 6.9
S	.0	.3	.3	2.6	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.4 7.9
SSW	.0	.1	.3	2.4	.1	.7	.0	.4	.0	.0	.0	.0	.0	.0	.4 3.6 10.3
SW	.0	.3	.6	4.6	.1	1.1	.1	.8	.1	.5	.0	.2	.0	.0	.9 7.4 11.2
WSW	.0	.3	.7	5.4	.4	2.9	.2	1.9	.1	1.2	.1	.6	.0	.0	1.5 12.5 13.4
W	.0	.3	.7	5.5	.3	2.4	.3	2.1	.1	.8	.0	.4	.0	.0	1.4 11.5 12.5
WNW	.0	.2	.6	5.0	.3	2.5	.2	1.7	.1	.9	.0	.2	.0	.0	1.3 10.6 12.7
NW	.0	.2	.5	4.2	.2	2.0	.2	1.2	.1	.8	.0	.2	.0	.0	1.0 8.6 12.7
NNW	.0	.1	.5	4.2	.2	1.6	.1	.7	.0	.2	.0	.0	.0	.0	.8 6.9 11.1
CALM	.7	5.7													.7 5.7
TOTAL	1.2	9.8	6.8	56.1	2.2	17.8	1.2	10.1	.6	4.6	.2	1.6	.0	.1	12.1 100 10.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1941 - 1978

CLASS 4 / DAY

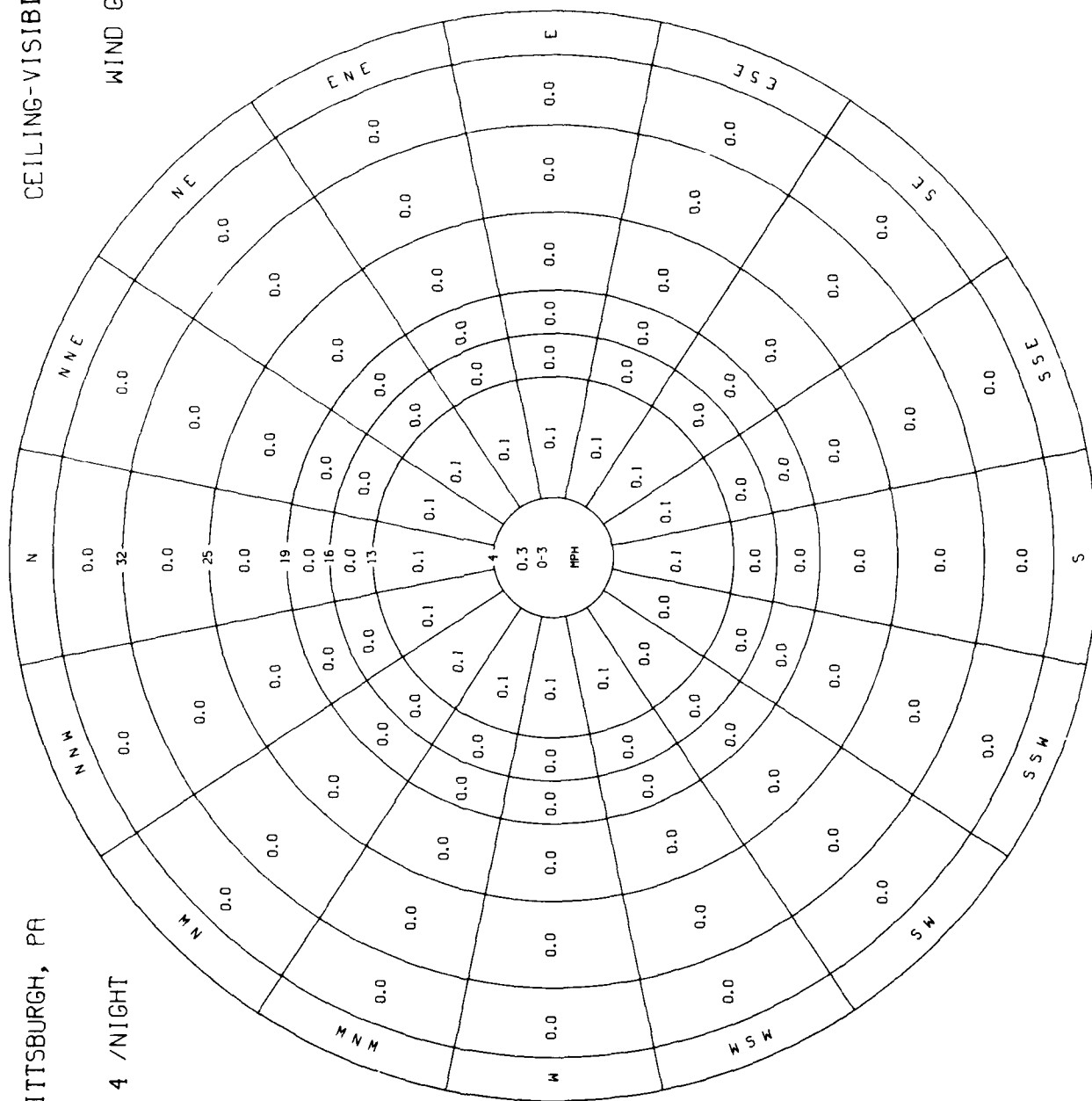
STATION NUMBER: 94823

NO. OBS.: 789

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.1	7.2	.0	1.1	.0	.8	.0	.1	.0	.1	.0	.0	.2 9.4
NNE	.0	.6	.0	2.5	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.5
NNE	.0	.3	.1	4.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.7
ENE	.0	.1	.1	4.3	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.1 5.4
E	.0	.5	.2	8.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2 9.0
ESE	.0	.8	.1	4.9	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.1 6.2
SE	.0	1.0	.1	4.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.5
SSE	.0	.3	.1	3.3	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.9
S	.0	.4	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.6
SSW	.0	.4	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SW	.0	.3	.0	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
WSW	.0	.0	.1	3.5	.0	.4	.0	.6	.0	.8	.0	.4	.0	.0	.1 5.7
W	.0	.5	.1	4.6	.0	1.1	.0	1.1	.0	.4	.0	.4	.0	.0	.2 8.1
WNW	.0	.1	.1	2.9	.0	.6	.0	.9	.0	.4	.0	.3	.0	.0	.1 5.2
NW	.0	.0	.1	4.1	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.1 6.0
NNW	.0	.3	.1	3.7	.0	1.8	.0	1.3	.0	.0	.0	.1	.0	.0	.1 7.1
CALM	.2	9.8													.2 9.8
TOTAL	.3	15.2	1.3	66.7	.2	8.9	.1	6.0	.0	1.9	.0	1.4	.0	.0	2.0 10.0

CEILING-VISIBILITY

WIND GRAPH



PIT PITTSBURGH, PA

CLASS 4 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 4 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 692

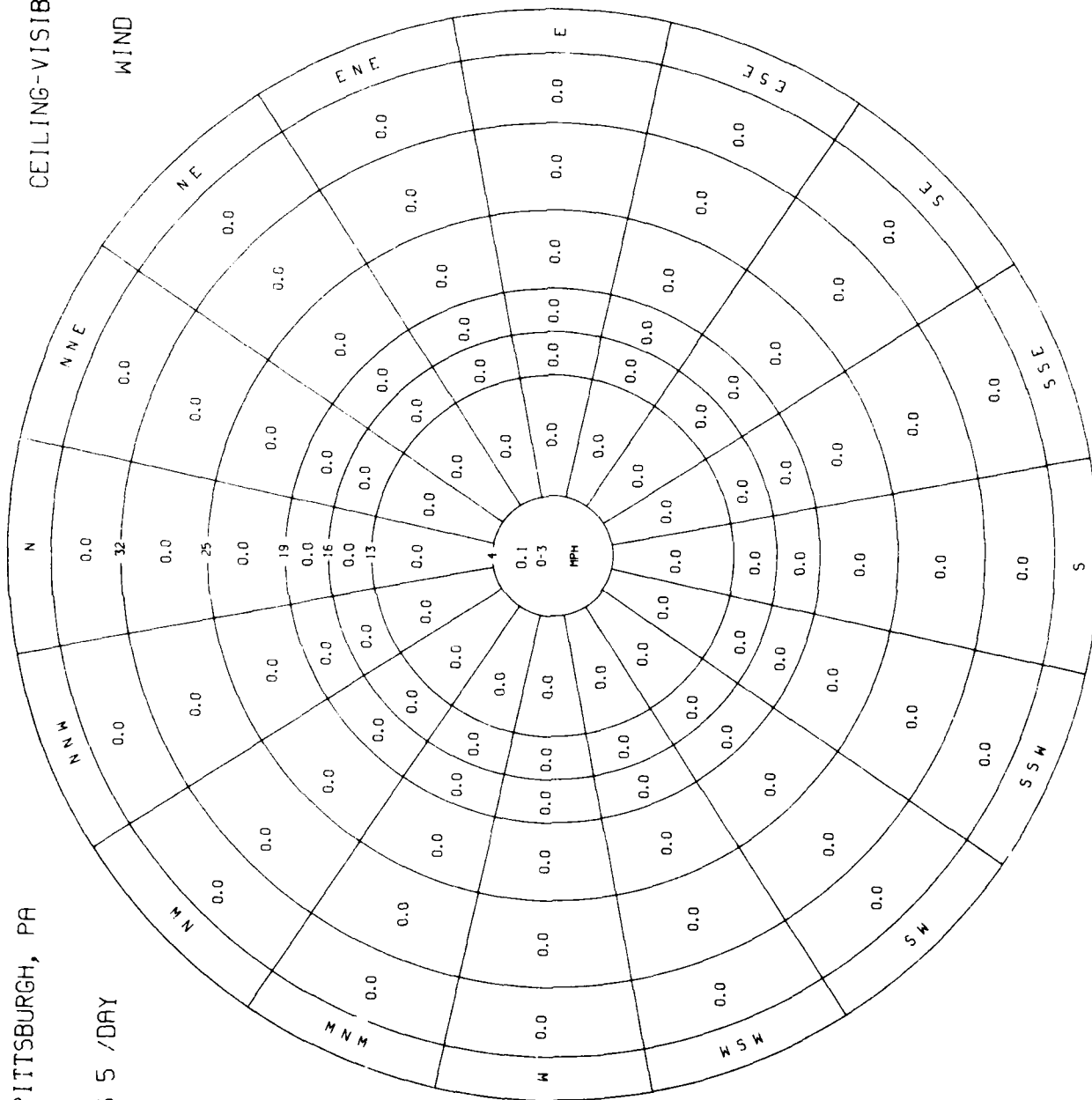
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.3	.1	7.5	.0	.9	.0	.7	.0	.4	.0	.0	.0	.0	.2 9.8
NNE	.0	.1	.1	3.9	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.1 5.1
NE	.0	.1	.1	4.8	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 5.5
ENE	.0	.3	.1	4.3	.0	.7	.0	.6	.0	.1	.0	.0	.0	.0	.1 6.1
E	.0	1.0	.1	4.5	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.1 6.5
ESE	.0	.3	.1	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.1
SE	.0	.7	.1	4.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.2
SSE	.0	.9	.1	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.9
S	.0	.6	.1	3.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.3
SSW	.0	.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SW	.0	.4	.0	2.5	.0	.4	.0	.0	.0	.1	.0	.1	.0	.0	.1 3.6
WSW	.0	.3	.1	4.9	.0	.6	.0	1.6	.0	.6	.0	.4	.0	.1	.2 8.5
W	.0	.6	.1	5.5	.0	1.6	.0	.4	.0	.1	.0	.0	.0	.1	.2 8.4
WNW	.0	.3	.1	4.2	.0	.7	.0	.1	.0	.1	.0	.1	.0	.0	.1 5.6
NW	.0	.7	.1	3.8	.0	1.0	.0	.9	.0	.7	.0	.1	.0	.0	.1 7.2
NNW	.0	.6	.1	3.6	.0	1.0	.0	.4	.0	.1	.0	.0	.0	.0	.1 5.8
CALM	.1	6.1													.1 6.1
TOTAL	.3	13.4	1.3	67.9	.2	9.1	.1	5.9	.0	2.5	.0	.9	.0	.3	1.9 100

PIT PITTSBURGH, PA

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 5 / DAY

STATION NUMBER: 94823

NO. OBS.: 179

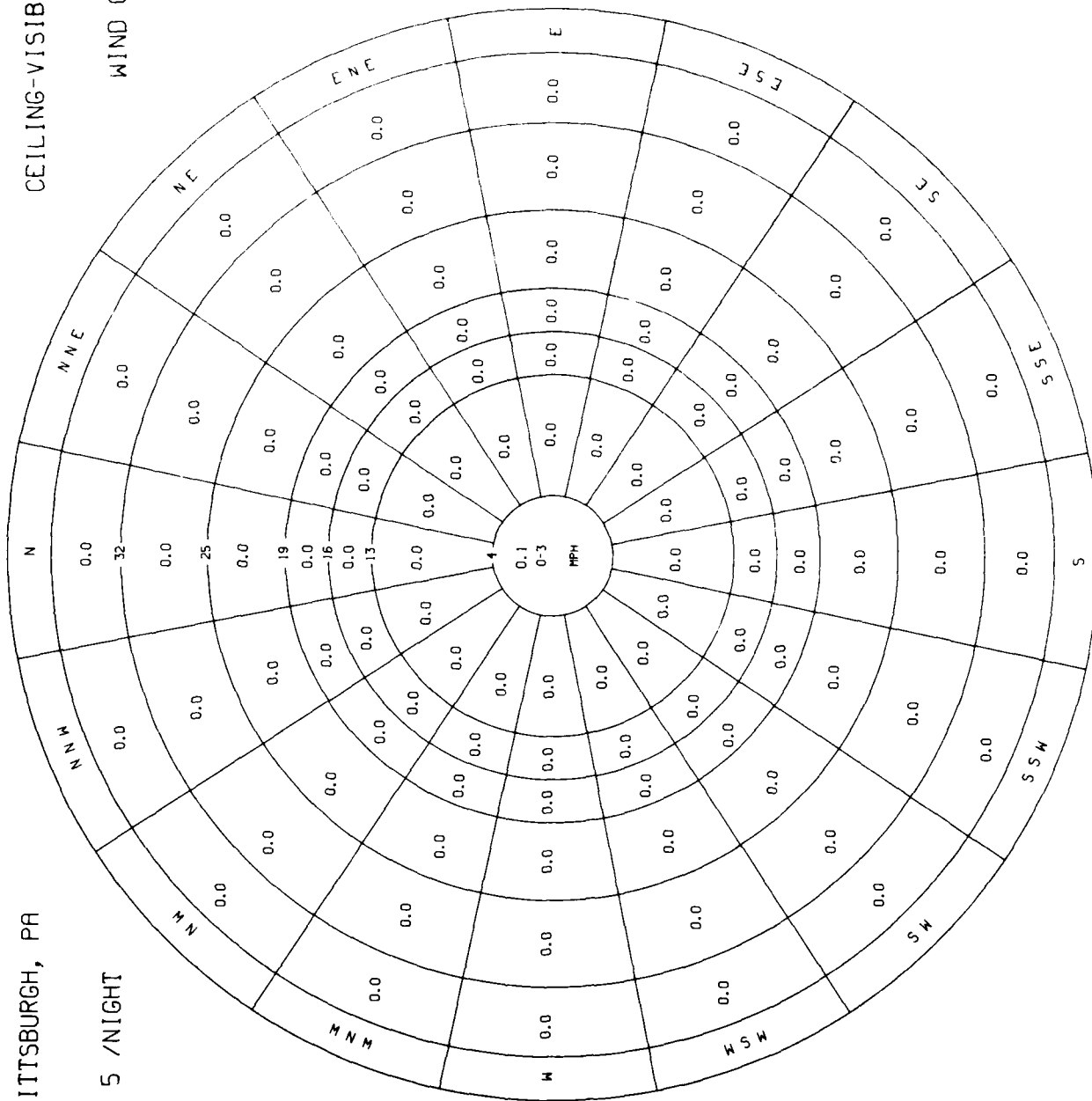
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	3.9	.0	1.1	.0	.0	.0	.6	.0	.0	.0	.0	.0 5.6
NNE	.0	.6	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
NE	.0	2.2	.0	2.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.6
ENE	.0	.0	.0	6.1	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0 7.8
E	.0	.6	.0	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 8.9
ESE	.0	.0	.0	5.6	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 6.7
SE	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.1
SSE	.0	.6	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
S	.0	1.7	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.8
SSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
SW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
WSW	.0	.6	.0	2.8	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0 3.9
W	.0	1.1	.0	3.4	.0	1.7	.0	.6	.0	.0	.0	.6	.0	.0	.0 7.3
WNW	.0	.6	.0	3.9	.0	.0	.0	1.1	.0	.6	.0	.0	.0	.0	.0 6.1
NW	.0	.6	.0	6.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 7.3
NNW	.0	.0	.0	1.7	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0 2.8
CALM	.1	13.4													.1 13.4
TOTAL	.1	22.3	.3	65.9	.0	6.1	.0	2.8	.0	2.2	.0	.6	.0	.0	.4 100

PIT PITTSBURGH, PA

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 5 / NIGHT

STATION NUMBER: 94823

NO. OBS.: 178

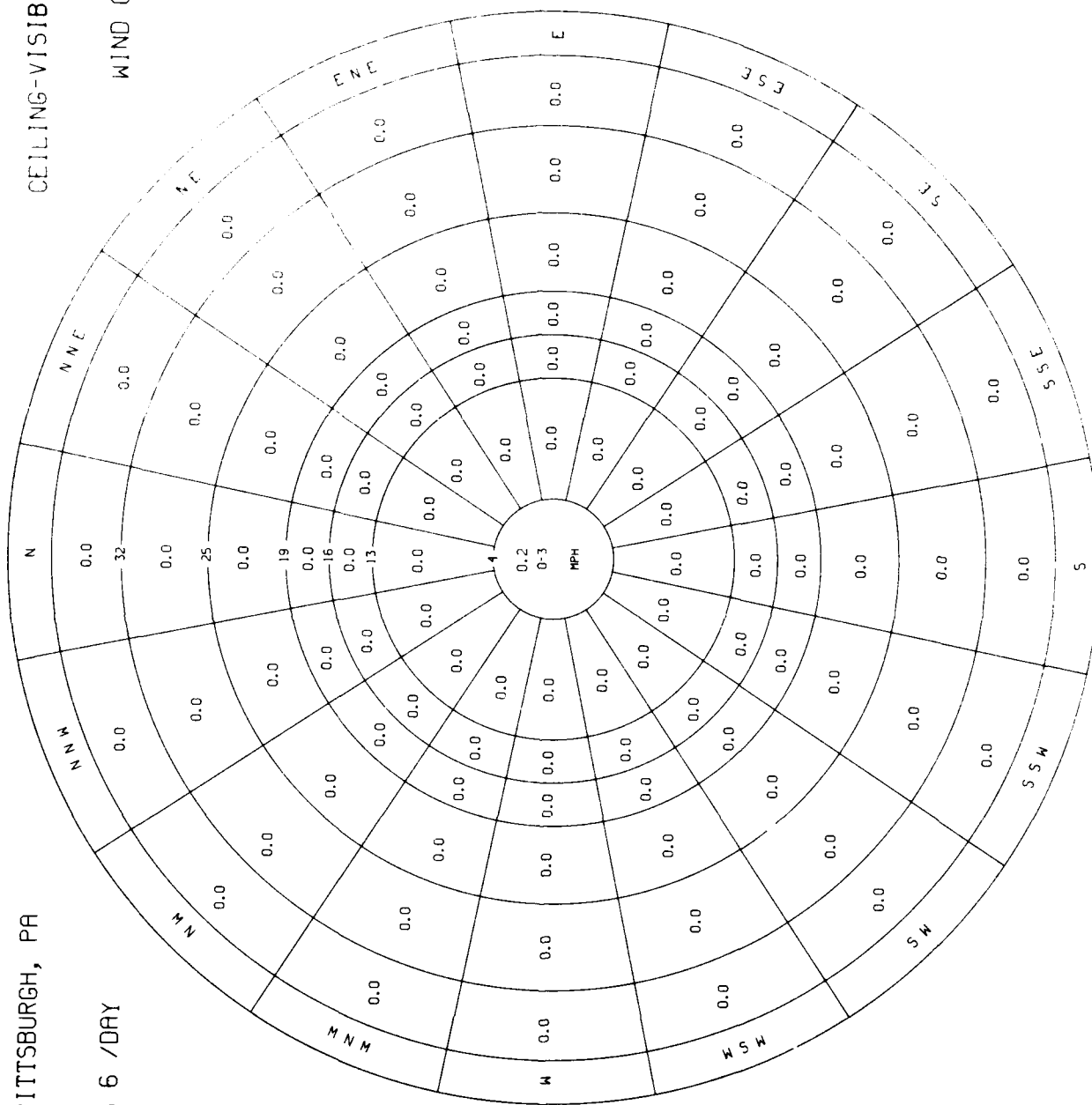
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C
N	.0	.0	.0	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	7.5
NNE	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.0
NE	.0	1.1	.0	4.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.8
ENE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	7.0
E	.0	.6	.0	9.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	10.7	7.2
ESE	.0	.6	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.0
SE	.0	1.1	.0	6.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	6.8
SSE	.0	.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.6
S	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
SSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	8.5
SW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	7.2
WSW	.0	.6	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.8
W	.0	.6	.0	5.1	.0	.0	.0	.6	.0	.0	.0	1.1	.0	.0	.0	7.3	10.1
WNW	.0	.6	.0	2.8	.0	.6	.0	.6	.0	.6	.0	.0	.0	.0	.0	5.1	10.0
NW	.0	.0	.0	2.8	.0	.6	.0	.6	.0	1.1	.0	.6	.0	.0	.0	5.6	15.2
NNW	.0	.6	.0	4.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	7.6
CALM	.1	14.0														14.0	
TOTAL	.1	21.3	.4	70.2	.0	2.8	.0	2.2	.0	1.7	.0	1.7	.0	.0	.0	5.100	6.8

PIT PITTSBURGH, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 6 / DAY

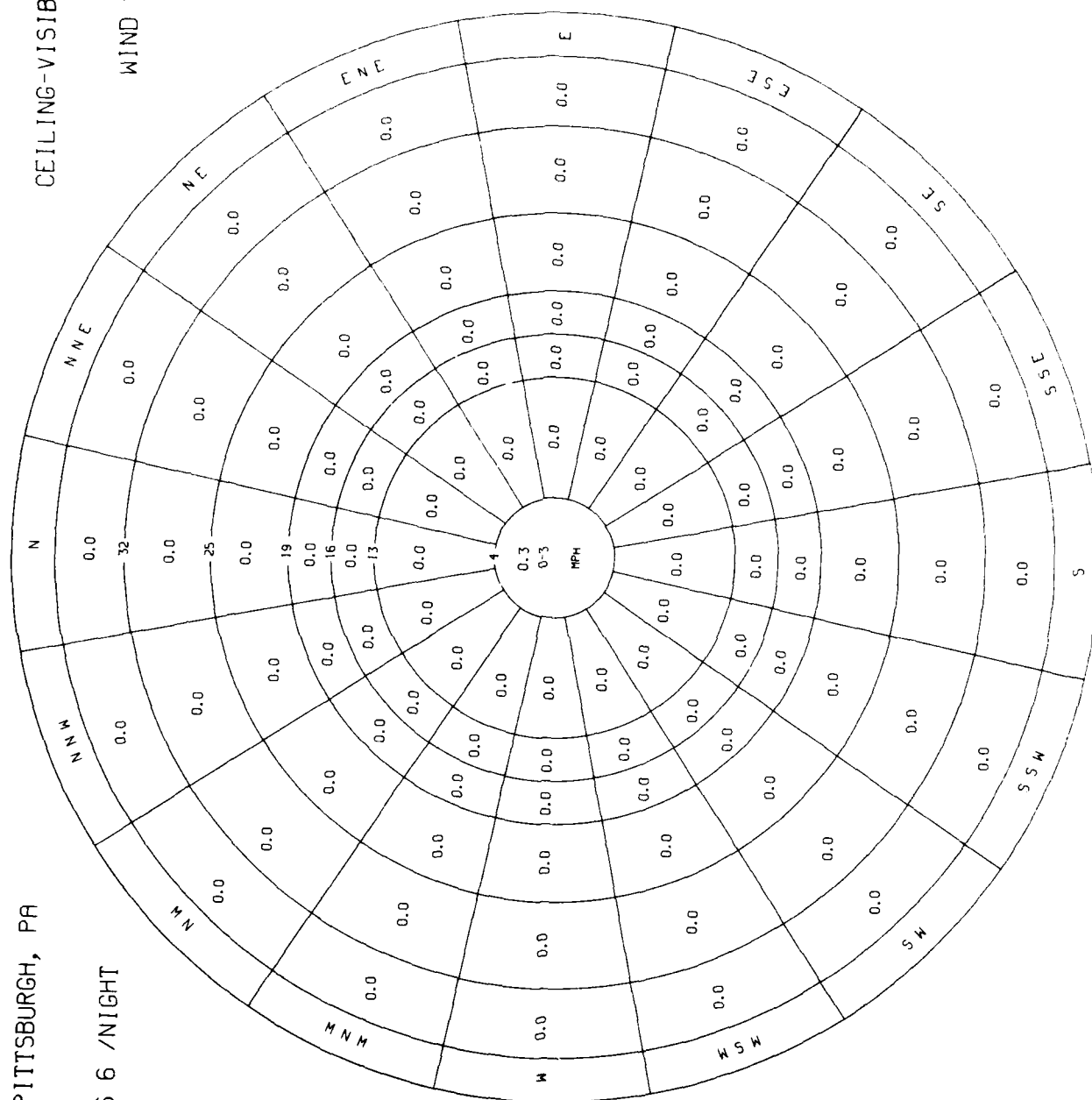
STATION NUMBER: 94823

NO. OBS.: 194

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		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	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	7.1
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	1.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.6
ENE	.0	2.1	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	5.6
E	.0	1.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	5.5
ESE	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	6.3
SE	.0	1.5	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	5.4
SSE	.0	2.1	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	4.8
S	.0	.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.8
SSW	.0	.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.3
SW	.0	.5	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.7
WSW	.0	1.5	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	5.7
W	.0	.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	9.0
WNW	.0	1.0	.0	2.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	4.1	6.6
NW	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	8.2
NNW	.0	.0	.0	1.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.5	9.7
CALM	.1	23.7													.1	23.7	
TOTAL	.2	38.1	.3	60.3	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.5	.5	100	4.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PIT PITTSBURGH, PA

PERIOD: 1953-1978

CLASS 6 / NIGHT

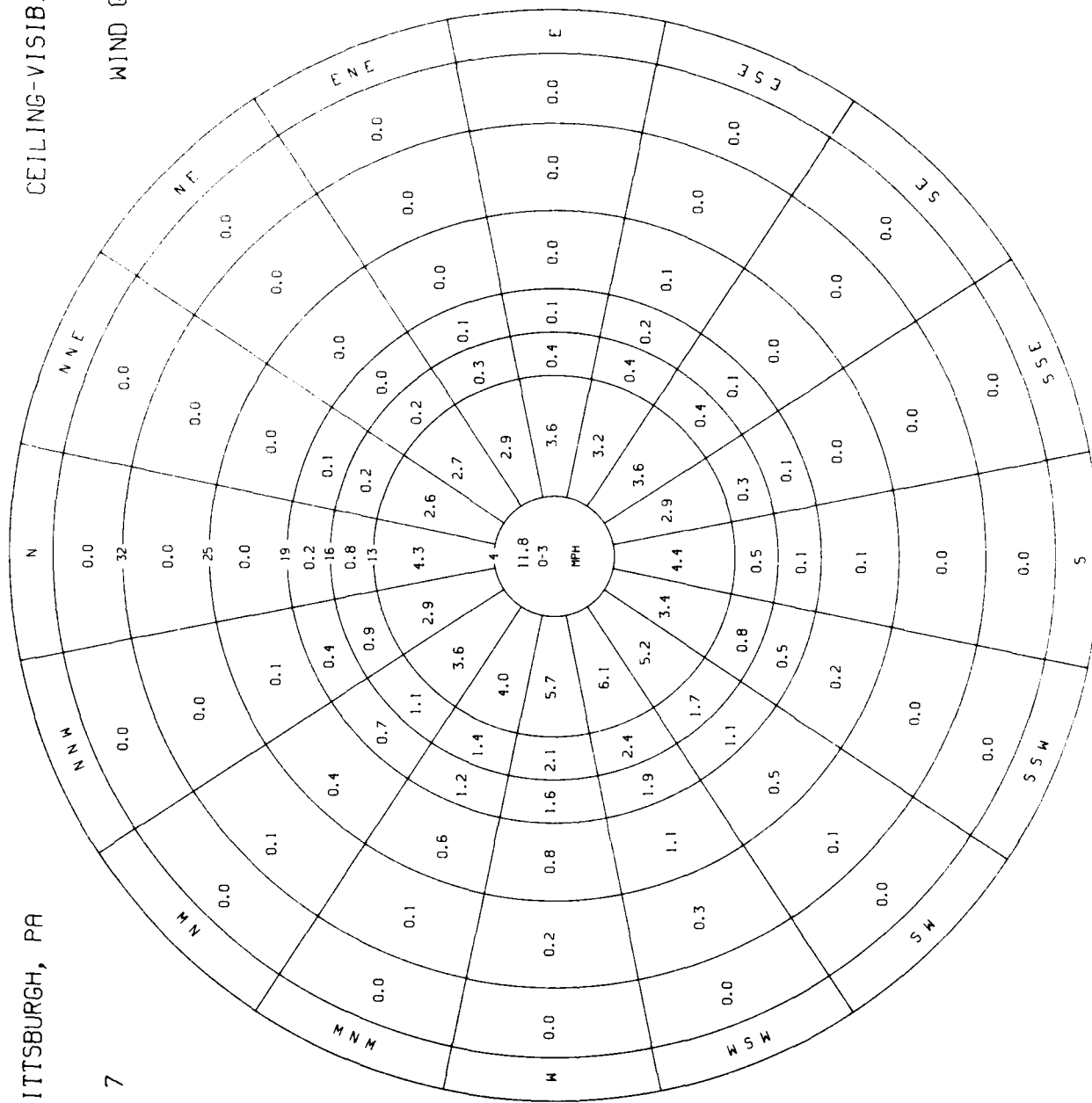
STATION NUMBER: 94823

NO. OBS.: 203

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4
NNE	.0	.5	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4
NE	.0	1.0	.0	3.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.4
ENE	.0	1.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
E	.0	1.5	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
ESE	.0	1.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9
SE	.0	1.5	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9
SSE	.0	2.5	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
S	.0	3.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4
SSW	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
SW	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
WSW	.0	.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
W	.0	.5	.0	3.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	3.9
WNW	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
NW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
NNW	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.5
CALM	.2	29.6													29.6
TOTAL	.3	45.8	.3	52.7	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	61.0

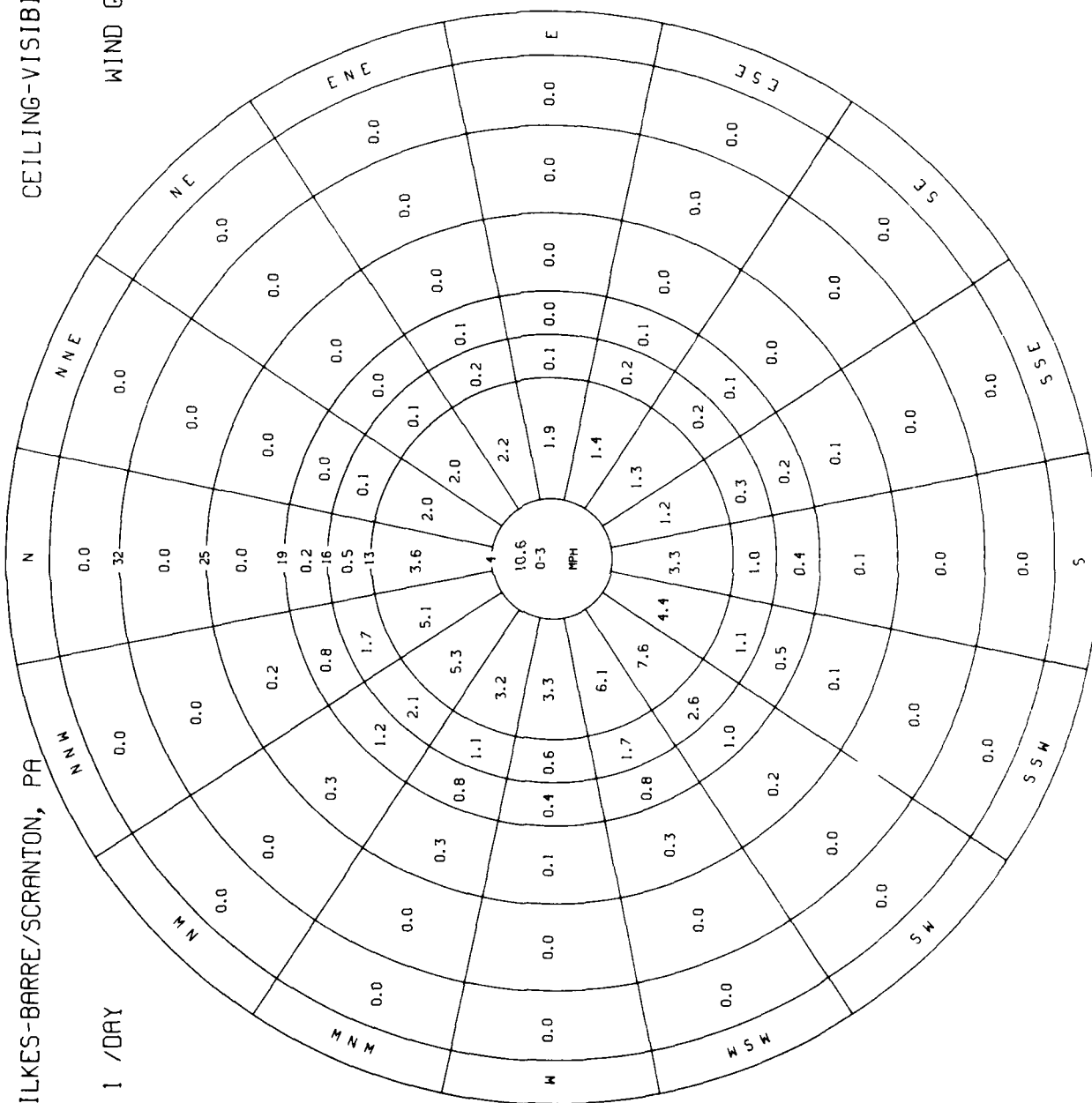
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

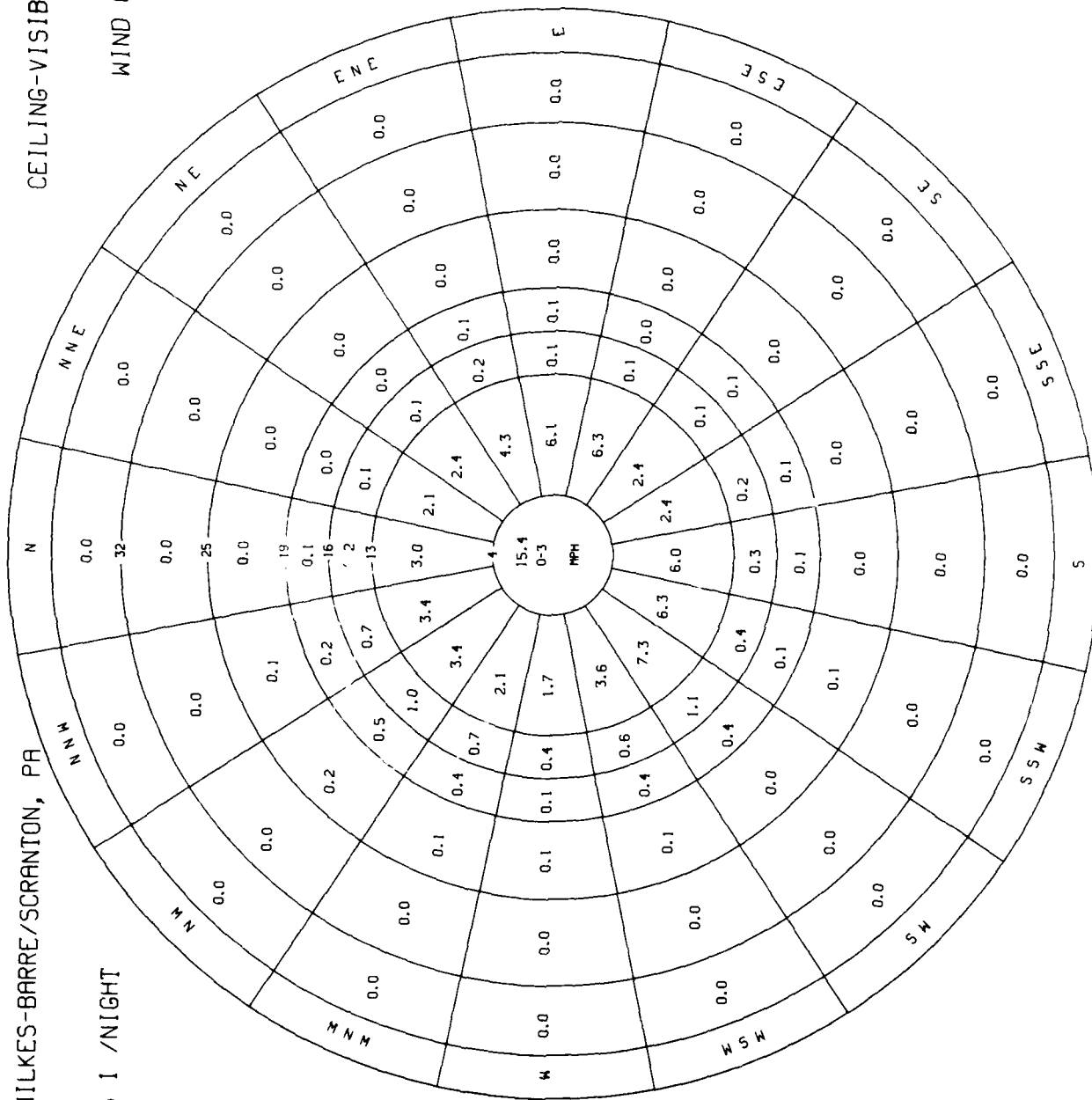
CLASS 1 / DAY

STATION NUMBER: 14777

NO. OBS.: 42920

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		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	3.6	4.2	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	5.0	5.7	8.5
NNE	.3	.4	2.0	2.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.9	7.5
NE	.5	.5	2.0	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.0	6.9
ENE	.5	.6	2.2	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.0	3.4	7.0
E	.5	.6	1.9	2.1	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.6	2.9	7.2
ESE	.3	.3	1.4	1.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.2	7.9
SE	.3	.3	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.9	2.2	8.5
SSE	.2	.2	1.2	1.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.0	2.3	9.7
S	.4	.5	3.3	3.8	1.0	1.1	.4	.5	.1	.1	.0	.0	.0	.0	5.3	6.1	10.0
SSW	.3	.3	4.4	5.1	1.1	1.3	.5	.6	.1	.1	.0	.0	.0	.0	6.4	7.3	10.0
SW	.6	.7	7.6	8.7	2.6	3.0	1.0	1.2	.2	.2	.0	.0	.0	.0	12.1	13.9	10.5
WSW	.5	.6	6.1	7.0	1.7	2.0	.8	1.0	.3	.3	.0	.0	.0	.0	9.5	10.9	10.3
W	.6	.7	3.3	3.8	.6	.7	.4	.4	.1	.1	.0	.0	.0	.0	5.0	5.8	8.9
WNW	.4	.5	3.2	3.7	1.1	1.2	.8	.9	.3	.3	.0	.0	.0	.0	5.8	6.6	10.9
NW	.6	.7	5.3	6.1	2.1	2.4	1.2	1.4	.3	.4	.0	.0	.0	.0	9.6	11.1	10.9
NNW	.5	.6	5.1	5.9	1.7	2.0	.8	.9	.2	.2	.0	.0	.0	.0	8.4	9.6	10.6
CALM	3.4	3.9													3.4	3.9	
TOTAL	10.6	12.1	54.1	62.2	13.6	15.6	6.6	7.6	1.8	2.1	.3	.3	.0	.0	87.0	100	9.3

AVP WILKES-BARRE/SCRANTON, PA
 CLASS I /NIGHT
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

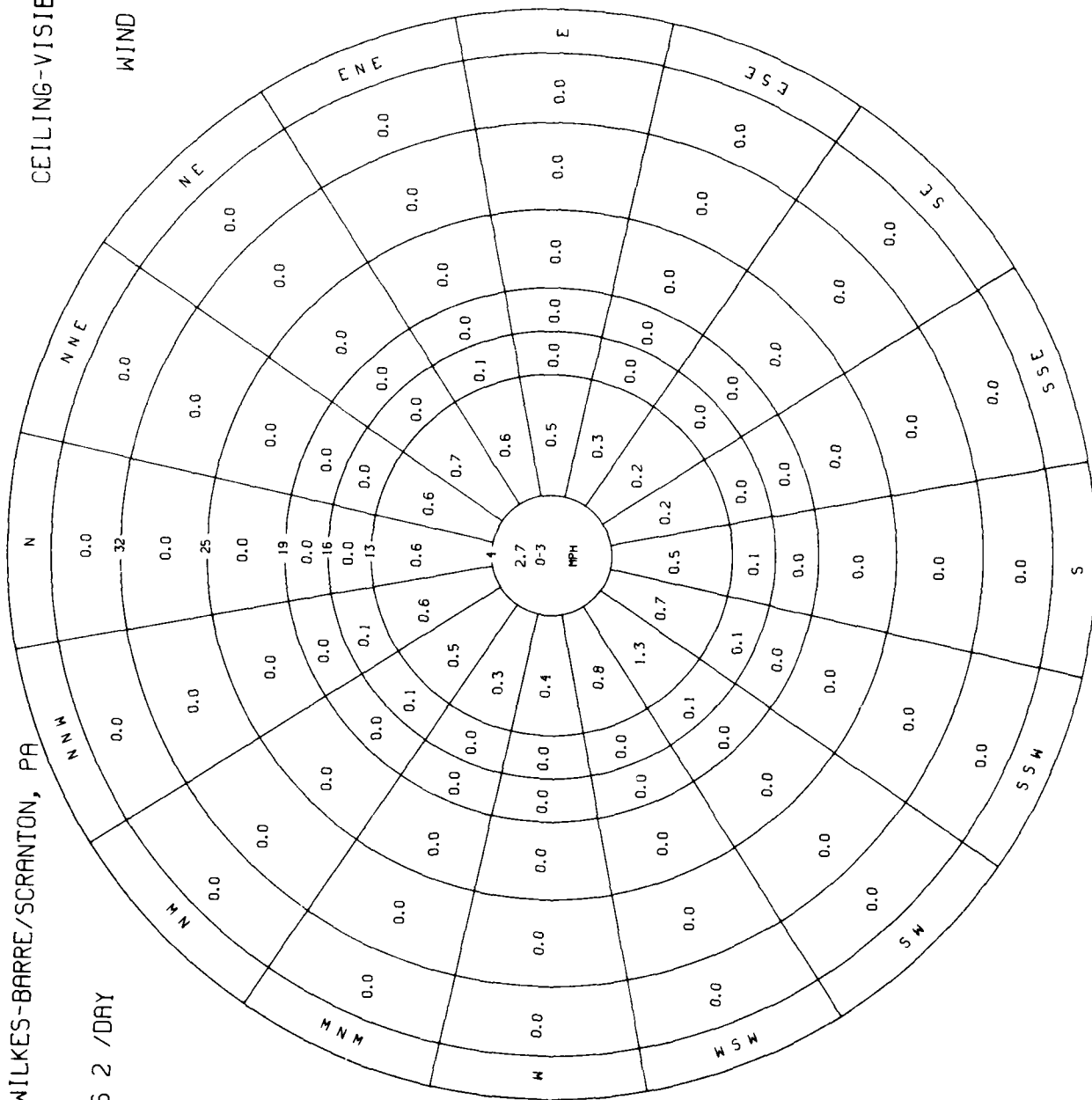
CLASS 1 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 33774

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	3.0	3.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.9 4.4
NNE	.4	.4	2.1	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 2.9
NE	.6	.7	2.4	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1 3.6
ENE	.9	1.0	4.3	4.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.4 6.2
E	1.4	1.6	6.1	6.9	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	7.7 8.7
ESE	1.0	1.1	6.3	7.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.4 8.4
SE	1.0	1.1	2.4	2.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.5 4.0
SSE	.6	.6	2.4	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.3 3.7
S	.9	1.0	6.0	6.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	7.4 8.4
SSW	.5	.6	6.3	7.2	.4	.5	.1	.2	.1	.1	.0	.0	.0	.0	7.5 8.5
SW	.8	.9	7.3	8.3	1.1	1.2	.4	.4	.0	.1	.0	.0	.0	.0	9.6 10.9
WSW	.5	.5	3.6	4.0	.6	.7	.4	.4	.1	.1	.0	.0	.0	.0	5.2 5.9
W	.3	.3	1.7	2.0	.4	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.7 3.0
WNW	.3	.3	2.1	2.4	.7	.7	.4	.4	.1	.2	.0	.0	.0	.0	3.6 4.1
NW	.5	.6	3.4	3.9	1.0	1.1	.5	.6	.2	.2	.0	.0	.0	.0	5.6 6.4
NNW	.4	.4	3.4	3.8	.7	.8	.2	.3	.1	.1	.0	.0	.0	.0	4.8 5.4
CALM	4.9	5.5													4.9 5.5
TOTAL	15.4	17.5	62.7	71.2	6.2	7.0	2.7	3.1	.9	1.0	.2	.2	.0	.0	88.1 100

AVP WILKES-BARRE/SCRANTON, PA
 CLASS 2 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 14777

NO. OBS.: 6392

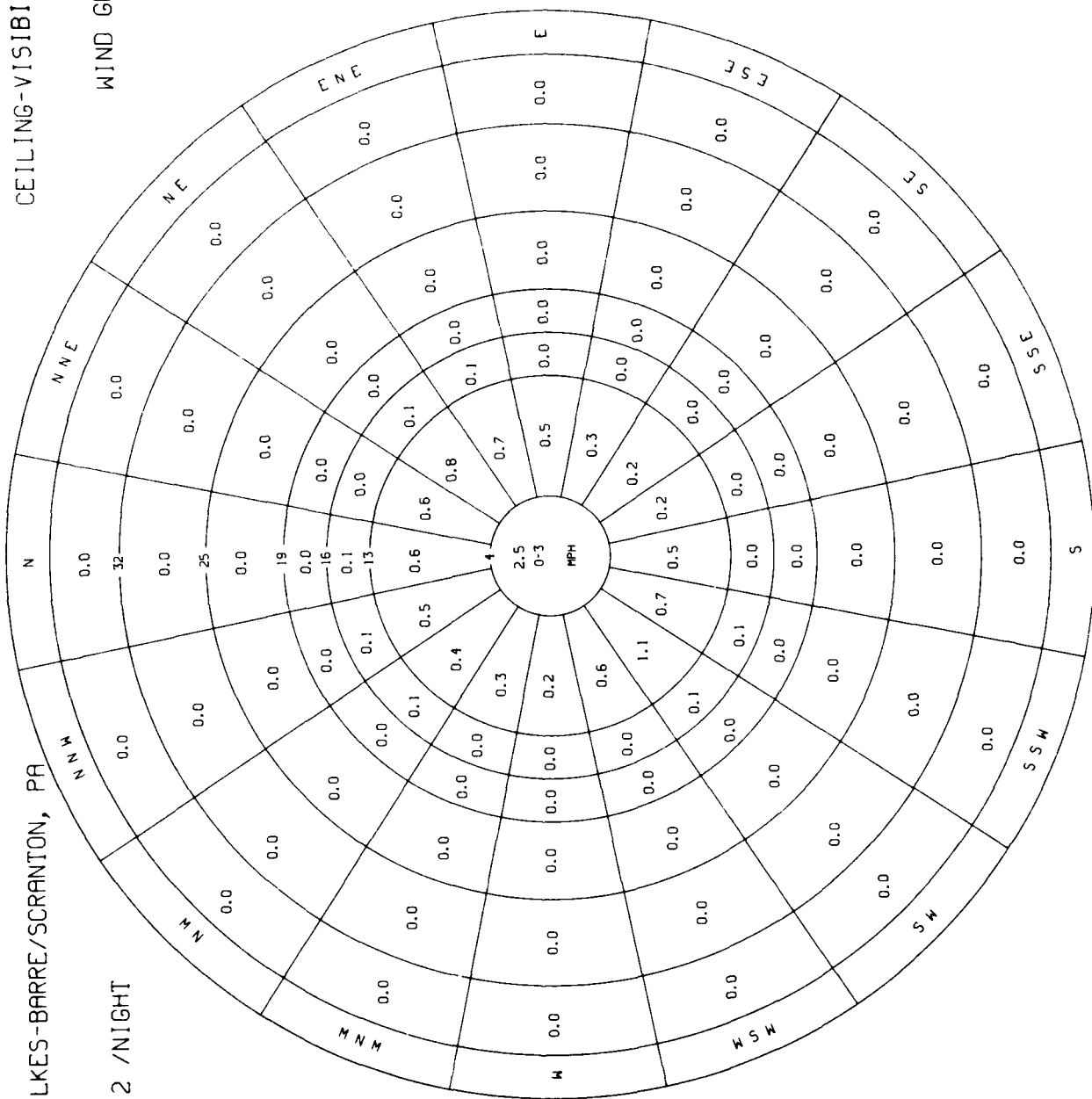
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	1.1	.6	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0	6.9
NNE	.1	1.0	.6	4.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	6.0	7.5
NE	.2	1.2	.7	5.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	1.0	7.6	7.4
ENE	.1	1.1	.6	4.8	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	6.6	7.5
E	.1	.9	.5	3.5	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.7	5.3	8.2
ESE	.1	.5	.3	2.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	3.2	8.1
SE	.1	.4	.2	1.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	2.2	8.6
SSE	.1	.5	.2	1.3	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.3	2.3	8.7
S	.1	.8	.5	4.0	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.7	5.6	8.1
SSW	.1	.8	.7	5.5	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.9	7.3	8.4
SW	.2	1.3	1.3	9.8	.1	1.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	1.6	12.6	8.5
WSW	.2	1.2	.8	5.9	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.0	7.6	7.1
W	.1	.9	.4	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	4.6	6.6
WNW	.1	.8	.3	2.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.0	7.5
NW	.1	1.1	.5	3.9	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.8	6.2	8.5
NNW	.1	.6	.6	4.5	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.8	6.1	8.8
CALM	.9	6.8														.9	6.8	
TOTAL	2.7	21.1	8.8	67.5	.9	6.9	.4	3.0	.1	1.1	.0	.4	.0	.0	.0	13.0	100	7.4

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 4559

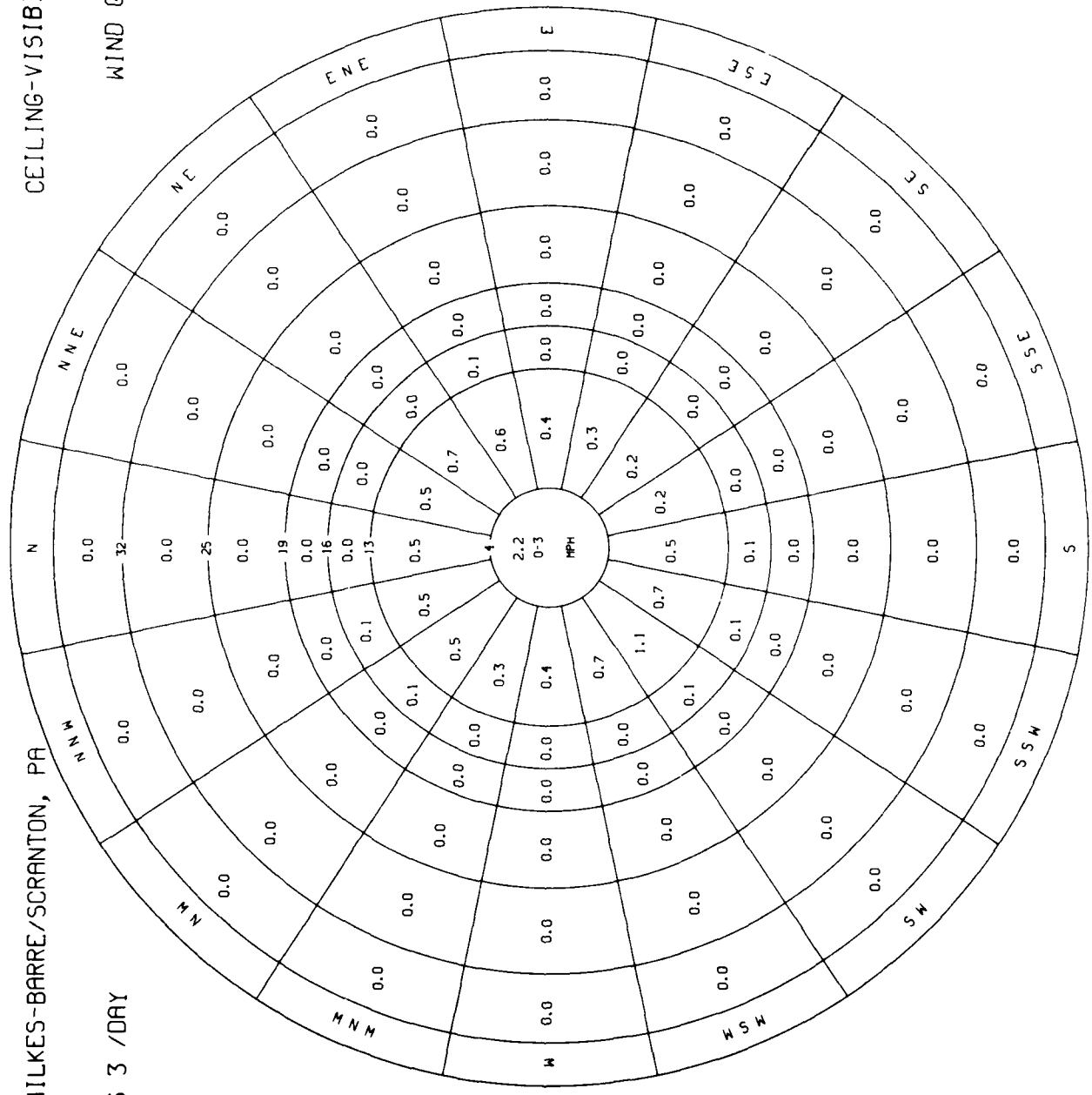
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.3	.6	4.8	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.8 6.8
NNE	.1	1.2	.6	4.8	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 6.4
NNE	.1	1.2	.8	7.0	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.1 9.1
ENE	.1	.9	.7	5.6	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.9 7.3
E	.1	1.1	.5	4.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.6
ESE	.1	.6	.3	2.8	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.5 3.8
SE	.1	.7	.2	1.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.9
SSE	.1	.4	.2	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.2
S	.1	1.2	.5	4.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.7 6.3
SSW	.1	.8	.7	6.2	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.9 7.8
SW	.1	1.2	1.1	9.1	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	1.4 11.4
WSW	.1	1.1	.6	4.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 6.2
W	.1	.7	.2	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.0
WNW	.1	.7	.3	2.4	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.8
NW	.1	.6	.4	3.4	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.6 5.0
NNW	.1	.6	.5	4.2	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.7 5.8
CALM	.8	6.6													.8 6.6
TOTAL	2.5	20.9	8.2	69.4	.8	6.5	.3	2.5	.1	.5	.0	.1	.0	.1	11.9 100

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 3 / DAY

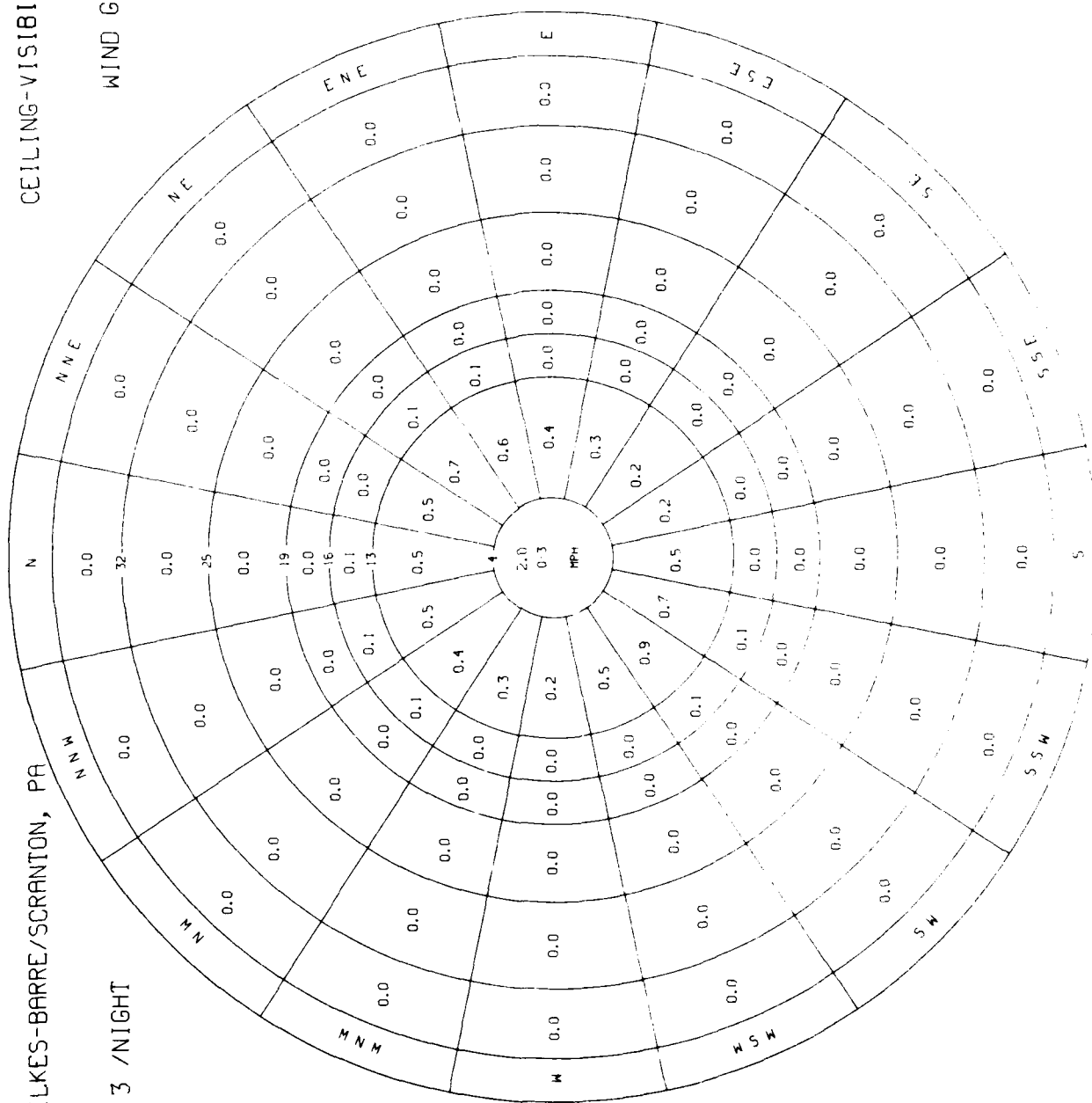
STATION NUMBER: 14777

NO. OBS.: 5653

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.5	4.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.7 5.9
NNE	.1	1.0	.5	4.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.7
NE	.1	1.1	.7	5.7	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.8 7.4
ENE	.1	1.0	.6	5.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.8 6.8
E	.1	.9	.4	3.8	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.6 5.6
ESE	.1	.4	.3	2.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.3
SE	.0	.3	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.3
SSE	.0	.4	.2	1.3	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.3 2.2
S	.1	.7	.5	4.1	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.7
SSW	.1	.7	.7	5.7	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.9 7.4
SW	.1	1.0	1.1	9.8	.1	1.1	.0	.4	.0	.1	.0	.0	.0	.0	1.4 12.4
WSW	.1	1.0	.7	5.8	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.9 7.4
W	.1	.9	.4	3.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.5 4.7
WNW	.1	.7	.3	2.8	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.1
NW	.1	1.1	.5	4.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.7 6.5
NNW	.1	.6	.5	4.7	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.7 6.4
CALM	.7	6.0													.7 6.0
TOTAL	2.2	19.1	7.9	69.1	.8	7.3	.4	3.1	.1	1.1	.0	.4	.0	.0	11.5 100
															7.5

AVP WILKES-BARRE/SCRANTON, PA

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE / SCRANTON, PA

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 4037

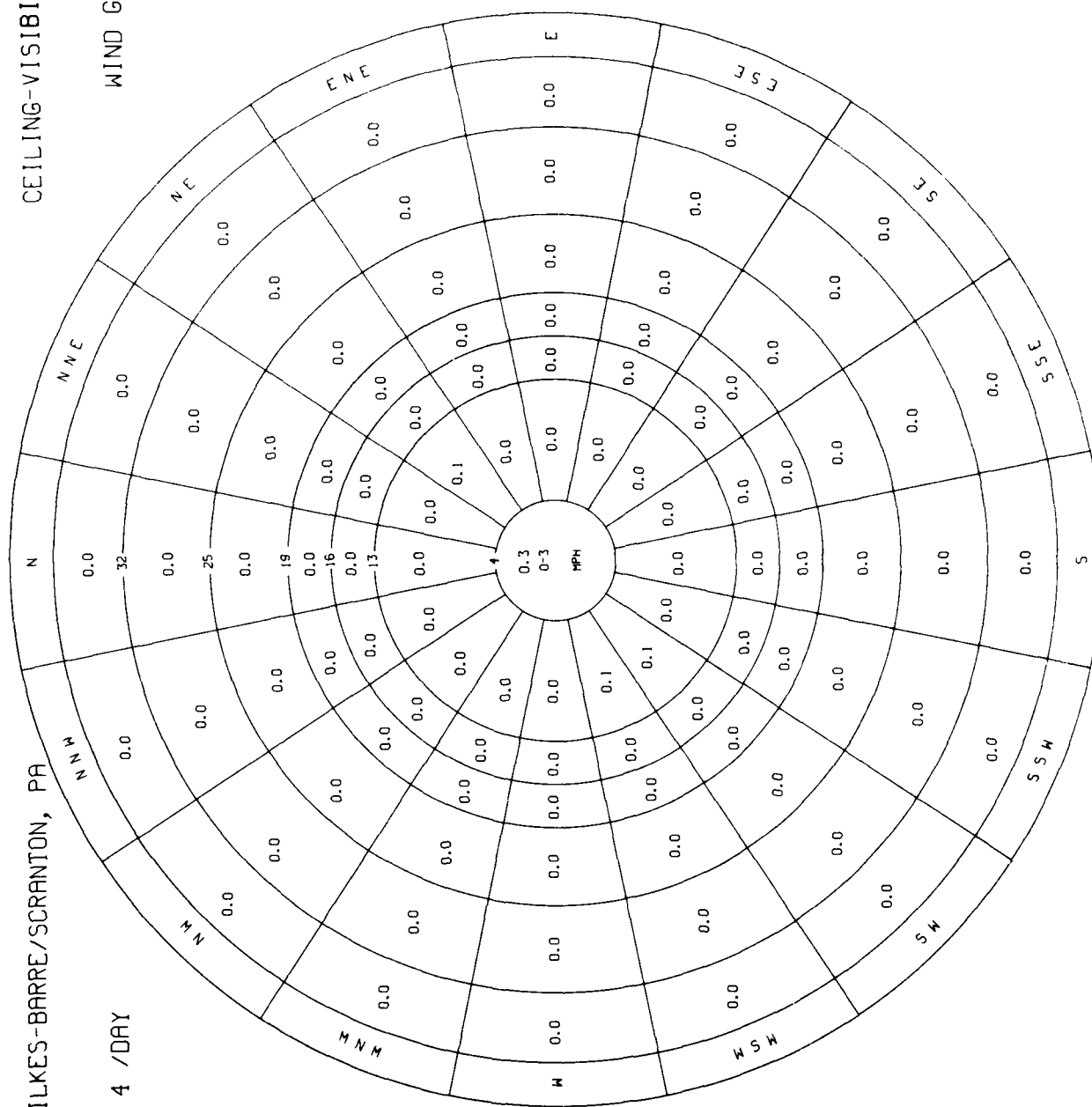
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.1	1.3	.5	5.1	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	7.2	7.3
NNE	.1	1.3	.5	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.2	6.8
NE	.1	1.0	.7	7.0	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	8.9	7.4
ENE	.1	.8	.6	6.0	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.8	7.7	8.0
E	.1	1.1	.4	4.3	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	6.0	7.4
ESE	.1	.7	.3	2.9	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4	4.0	8.0
SE	.1	.7	.2	2.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	3.1	7.4
SSE	.0	.3	.2	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.2	6.7
S	.1	1.1	.5	4.7	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.7	6.3	7.2
SSW	.1	.7	.7	6.3	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.8	7.8	7.9
SW	.1	1.0	.9	8.9	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.2	11.0	8.2
WSW	.1	.9	.5	4.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	5.8	6.8
W	.1	.6	.2	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.5	6.1
WNW	.1	.7	.3	2.4	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.4	3.7	7.9
NW	.1	.6	.4	3.7	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.6	5.4	8.8
NNW	.1	.6	.5	4.4	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.6	6.1	8.7
CALM	.6	5.9														.6	5.9	
TOTAL	2.0	19.3	7.4	70.5	.7	6.9	.3	2.5	.1	.5	.0	.1	.0	.1	10.5	100		7.2

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 14777

NO. OBS.: 416

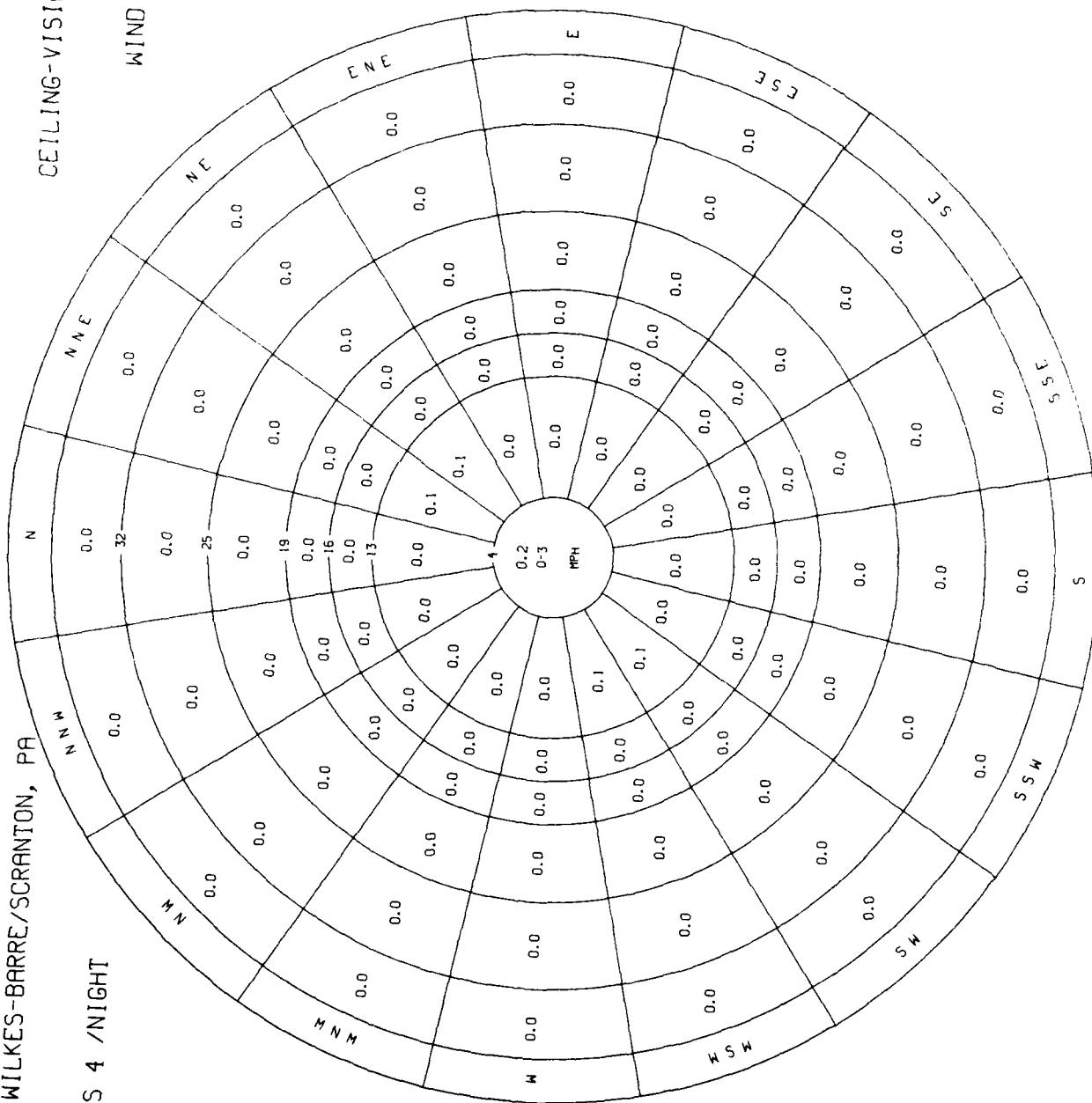
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.0	.0	4.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.8
NNE	.0	.7	.0	5.8	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.1 8.2
NE	.0	1.9	.1	7.9	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1 10.6
ENE	.0	1.9	.0	3.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0 5.5
E	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
ESE	.0	1.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SE	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSE	.0	1.2	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
S	.0	1.4	.0	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.8
SSW	.0	.7	.0	3.6	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0 5.3
SW	.0	3.1	.1	11.5	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.1 15.6
WSW	.0	3.1	.1	7.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 10.8
W	.0	1.0	.0	2.6	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0 4.1
WNW	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NW	.0	1.0	.0	2.6	.0	.2	.0	.2	.0	.5	.0	.2	.0	.0	.0 4.8
NNW	.0	.2	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
CALM	.1	10.6													.1 10.6
TOTAL	.3	31.7	.5	60.3	.0	4.8	.0	2.2	.0	.7	.0	.2	.0	.0	.8 10.6
															6.3

AVP WILKES-BARRE/SCRANTON, PA

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 326

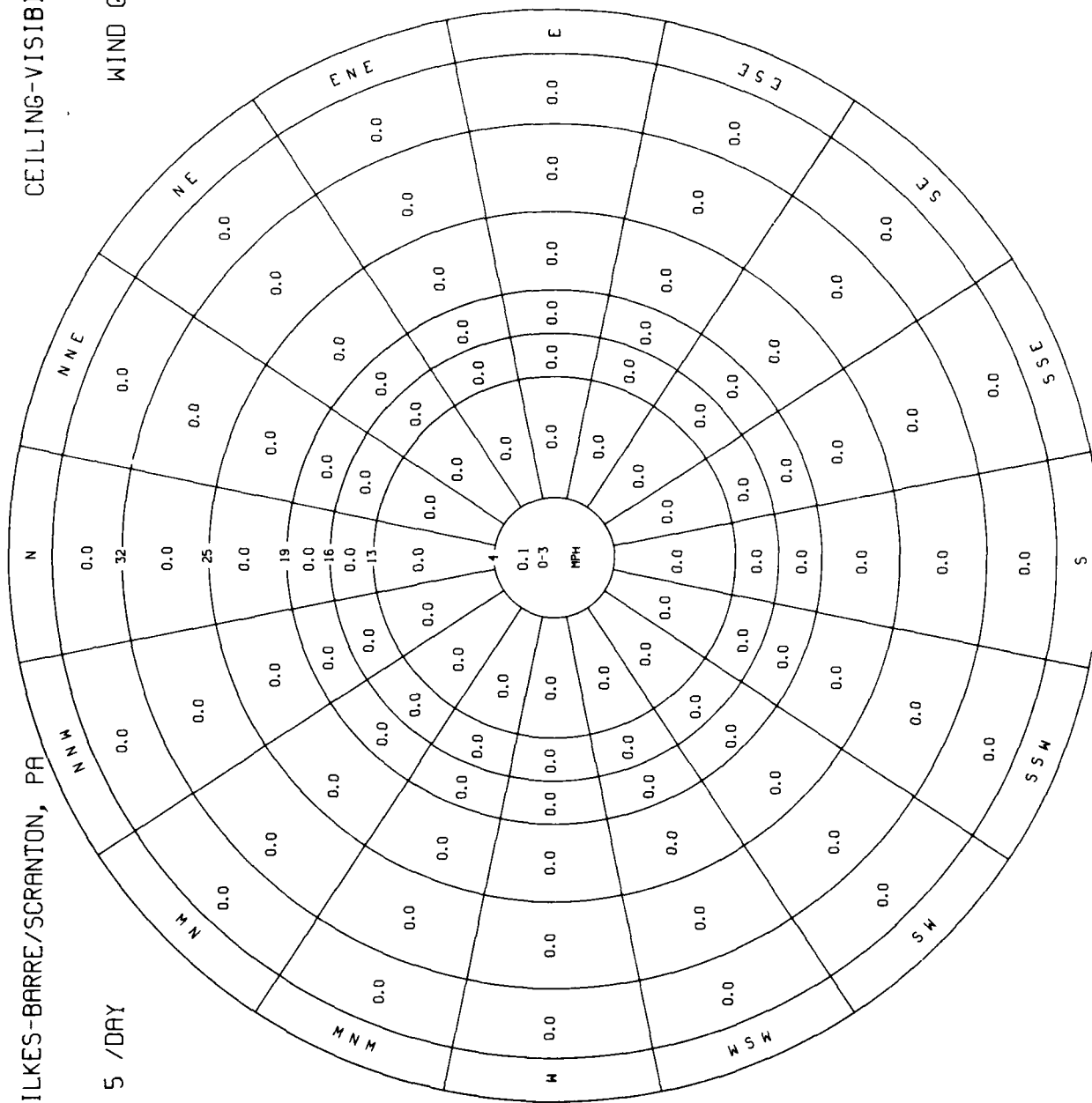
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6
NNE	.0	.6	.1	8.0	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1 9.5
NE	.0	1.2	.1	9.2	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.1 12.0
ENE	.0	1.5	.0	2.5	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0 4.9
E	.0	.6	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.0	.0	2.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 2.8
SE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
SSE	.0	1.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.1
S	.0	.9	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.3
SSW	.0	2.5	.0	5.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.3
SW	.0	2.8	.1	10.4	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.1 13.8
WSW	.0	.9	.1	6.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.1 8.3
W	.0	1.2	.0	4.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.4
WNW	.0	.0	.0	1.5	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0 2.8
NW	.0	.9	.0	1.2	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0 2.8
NNW	.0	.3	.0	3.1	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0 4.3
CALM	.1	9.8													.1 9.8
TOTAL	.2	25.8	.6	65.3	.0	4.3	.0	4.3	.0	.3	.0	.0	.0	.0	.9 100
															.5 6.5

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 14777

NO. OBS.: 129

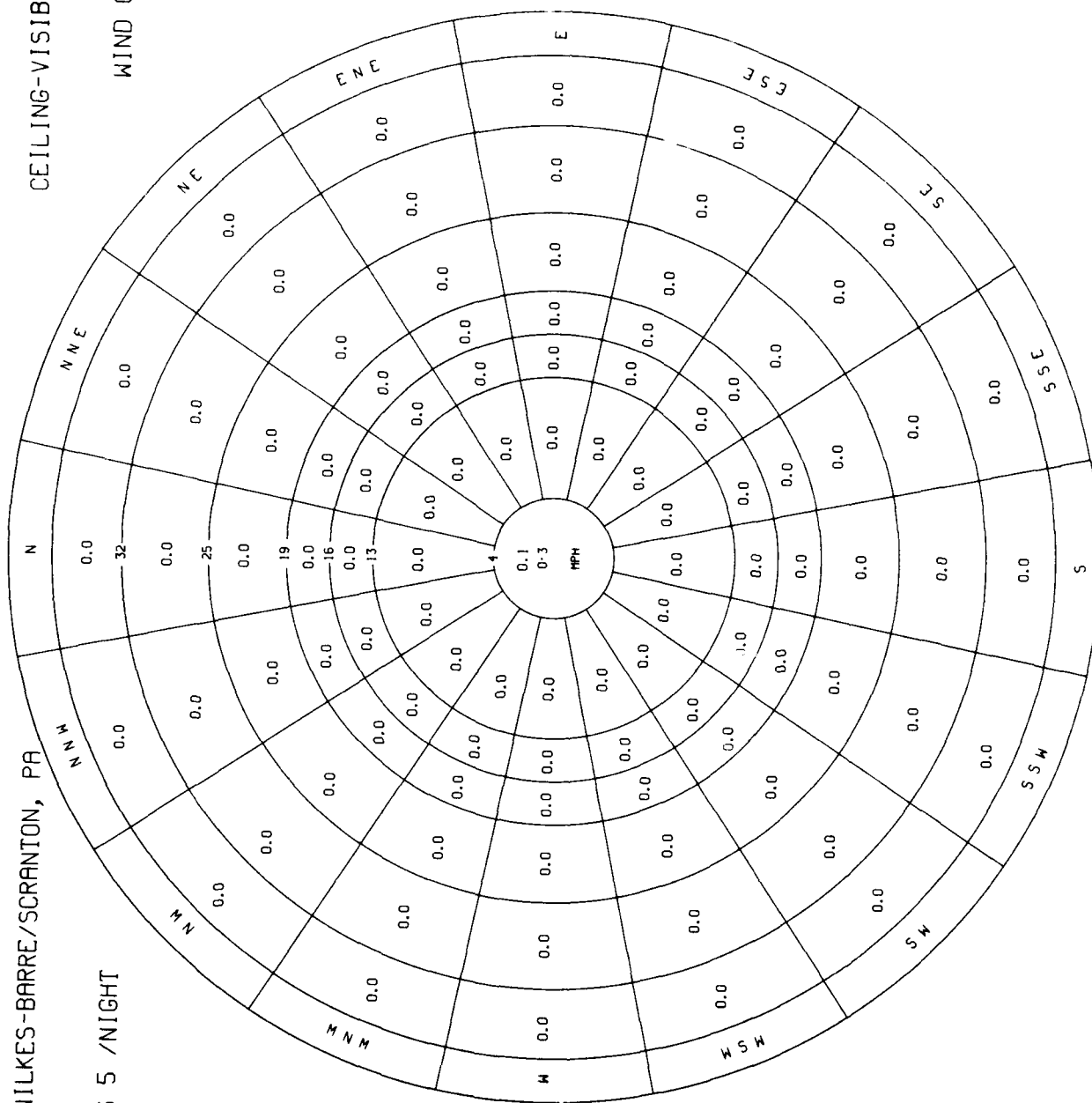
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	3.1	.0	7.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	7.0
NNE	.0	2.3	.0	7.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	10.1	7.6
NE	.0	1.6	.0	7.8	.0	2.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	13.2	9.5
ENE	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	6.4
E	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.0
ESE	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.4
SE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.0
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
S	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.3
SSW	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	4.2
SW	.0	4.7	.0	5.4	.0	.8	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	12.4	7.7
WSW	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	5.0
W	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.0
WNW	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	6.0
NW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
NNW	.0	.0	.0	2.3	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	3.9	10.0
CALM	.0	10.1														.0	10.1	
TOTAL	.1	34.9	.1	55.8	.0	4.7	.0	3.1	.0	1.6	.0	.0	.0	.0	.0	.3	10.0	6.1

AVP WILKES-BARRE/SCRANTON, PA

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVP WILKES-BARRE / SCRANTON, PA

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 14777

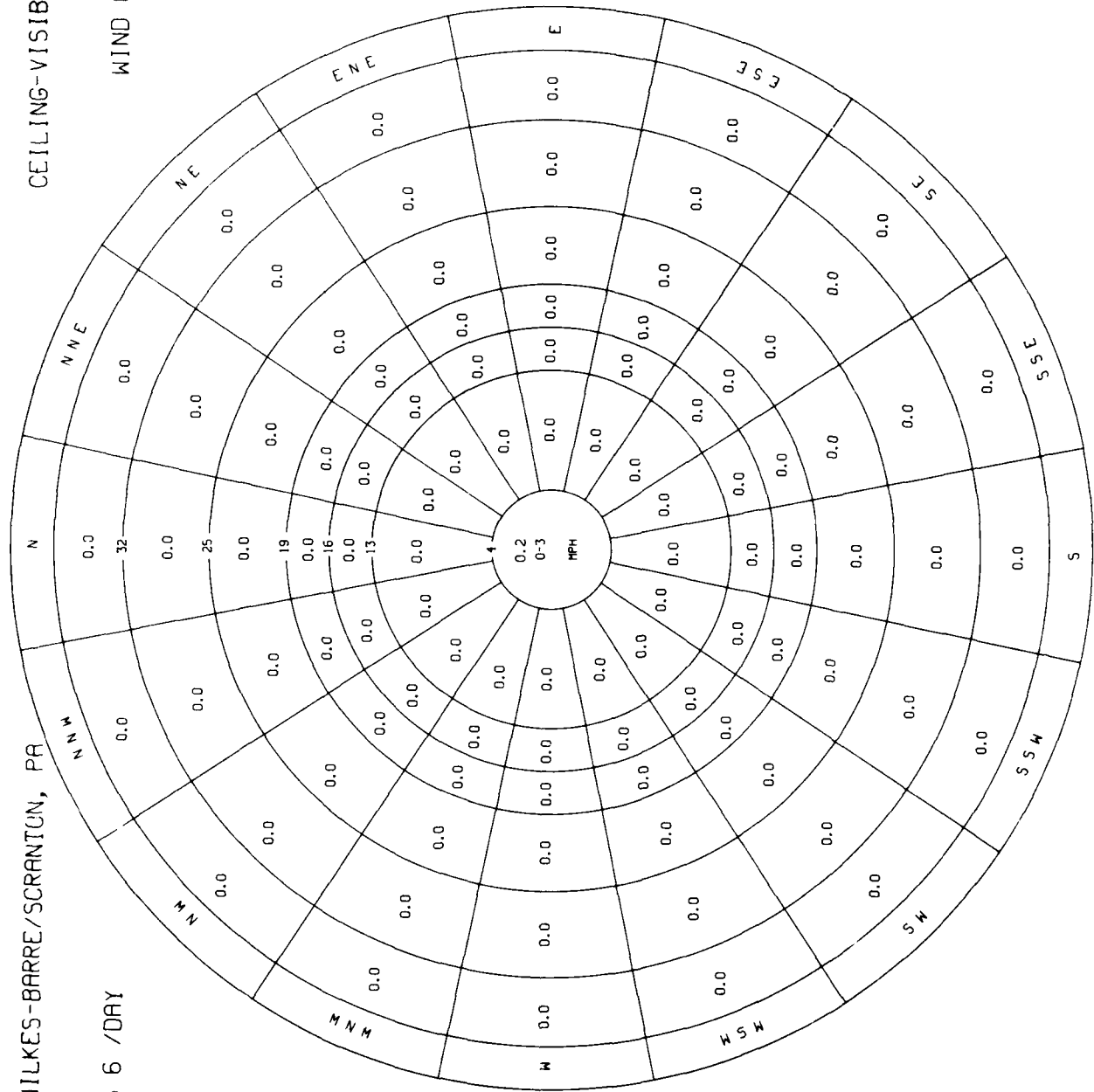
NO. OBS.: 77

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
NNE	.0	.0	.0	5.2	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	9.1	10.4
NE	.0	5.2	.0	6.5	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	14.3	7.5
ENE	.0	1.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.3
E	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.0
ESE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	8.5
SE	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.0
SSE	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	2.5
S	.0	2.6	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.0
SSW	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	8.2
SW	.0	2.6	.0	11.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	6.8
WSW	.0	6.5	.0	1.3	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	9.1	6.1
W	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	5.6
WNW	.0	5.2	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	4.5
NW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
NNW	.0	.0	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	9.5
CALM	.0	6.5													.0	6.5	
TOTAL	.1	33.8	.1	57.1	.0	5.2	.0	2.6	.0	1.3	.0	.0	.0	.0	.2	100	6.1

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: AVP WILKES-BARRE/SCRANTON, PA

CLASS 6 / DAY

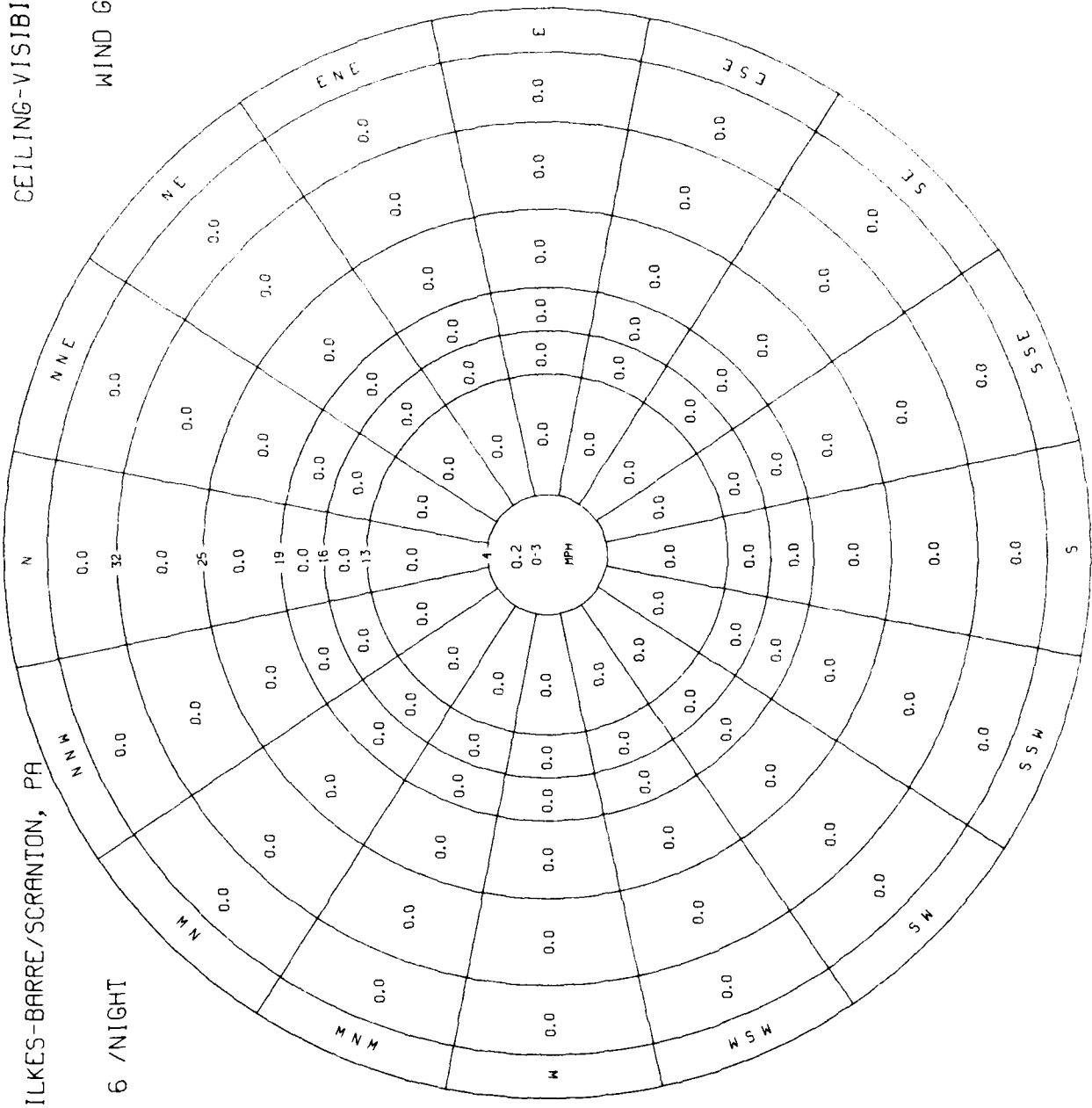
NO. OBS.: 194

STATION NUMBER: 14777

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.1	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.6
NNE	.0	1.5	.0	2.1	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	5.7
NE	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
ENE	.0	2.6	.0	3.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	6.7
E	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
ESE	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
SE	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
SSE	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
S	.0	1.0	.0	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2
SSW	.0	2.6	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.4
SW	.0	2.6	.0	8.8	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	7.7
WSW	.0	2.6	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6
W	.0	1.0	.0	3.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.6
WNW	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2
NW	.0	2.6	.0	2.1	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	5.8
NNW	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6
CALM	.1	18.6													18.6
TOTAL	.2	49.5	.2	45.4	.0	2.6	.0	1.0	.0	1.0	.0	.0	.0	.5	4.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVE WILKES-BARRE/SCRANTON, PA

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 14777

NO. OBS.: 119

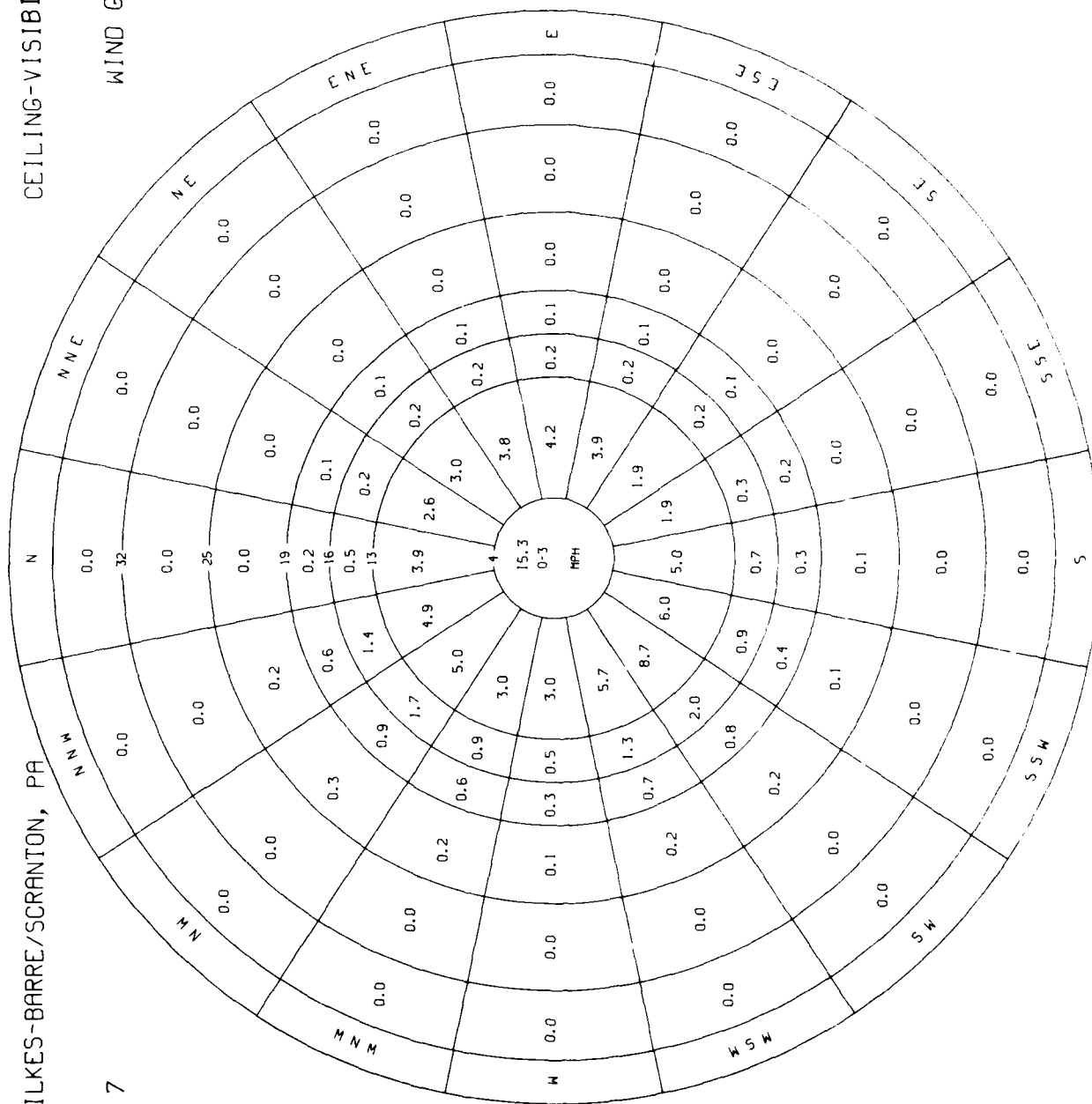
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
NNE	.0	.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
NE	.0	2.5	.0	.8	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	5.0
ENE	.0	2.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
E	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
ESE	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
SE	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
SSE	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
S	.0	4.2	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8
SSW	.0	.8	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
SW	.0	2.5	.0	10.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.4
WSW	.0	5.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8
W	.0	3.4	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
WNW	.0	1.7	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
NNW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7
CALM	.1	19.3													19.3
TOTAL	.2	50.4	.1	47.9	.1	.8	.0	.0	.0	.8	.0	.0	.0	.0	3 100
															4.3

CEILING-VISIBILITY

WIND GRAPH

AVP WILKES-BARRE/SCRANTON, PA

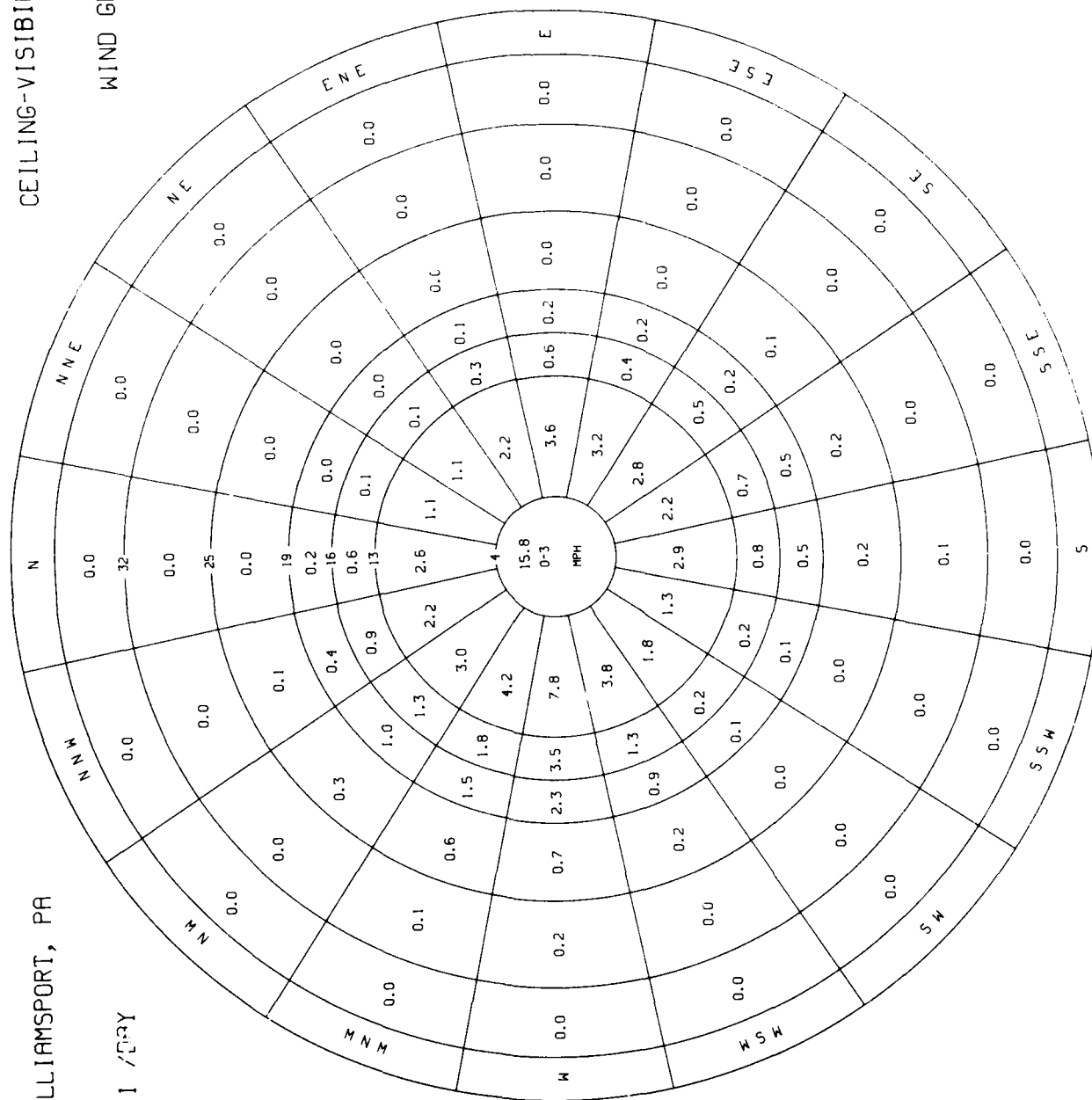
CLASS 7



PIPT WILLIAMSPORT, PA

CLASS 1 / DAY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 14778

NO. OBS.: 31114

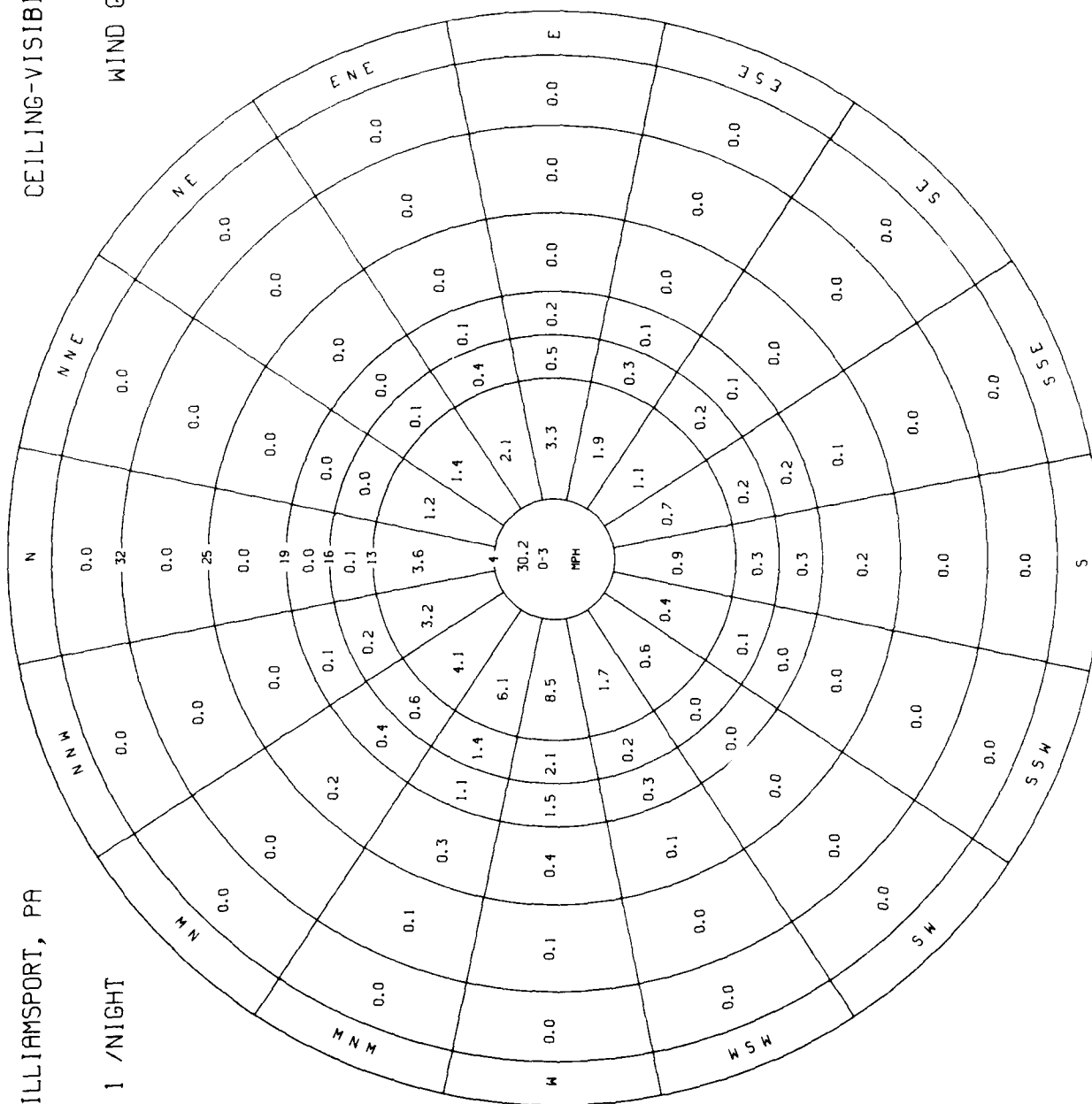
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.6	.6	2.6	3.1	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	4.0 4.7
NNE	.3	.4	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.6 1.8
NE	.5	.6	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8 2.0
ENE	.4	.4	2.2	2.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.9 3.4
E	.7	.8	3.6	4.1	.6	.7	.2	.3	.0	.0	.0	.0	.0	.0	5.1 6.0
ESE	.4	.5	3.2	3.7	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	4.3 5.0
SE	.6	.7	2.8	3.3	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.2 4.8
SSE	.4	.5	2.2	2.6	.7	.8	.5	.6	.2	.2	.0	.0	.0	.0	4.0 4.7
S	.6	.7	2.9	3.4	.8	.9	.5	.6	.2	.2	.1	.1	.0	.0	5.1 5.9
SSW	.4	.5	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0 2.3
SW	.6	.8	1.8	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.8 3.2
WSW	.5	.6	3.8	4.5	1.3	1.5	.9	1.0	.2	.2	.0	.1	.0	.0	6.8 7.8
W	.9	1.1	7.8	9.1	3.5	4.0	2.3	2.6	.7	.8	.2	.2	.0	.0	15.3 17.8
WNW	.6	.6	4.2	4.9	1.8	2.1	1.5	1.7	.6	.7	.1	.1	.0	.0	8.8 10.2
NW	.6	.7	3.0	3.5	1.3	1.5	1.0	1.2	.3	.3	.0	.1	.0	.0	6.3 7.3
NNW	.4	.4	2.2	2.6	.9	1.0	.4	.5	.1	.1	.0	.0	.0	.0	4.0 4.6
CALM	7.2	8.4													7.2 8.4
TOTAL	15.8	18.3	46.0	53.4	13.2	15.4	8.2	9.6	2.3	2.7	.5	.6	.0	.0	86.1 100

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 1 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 23634

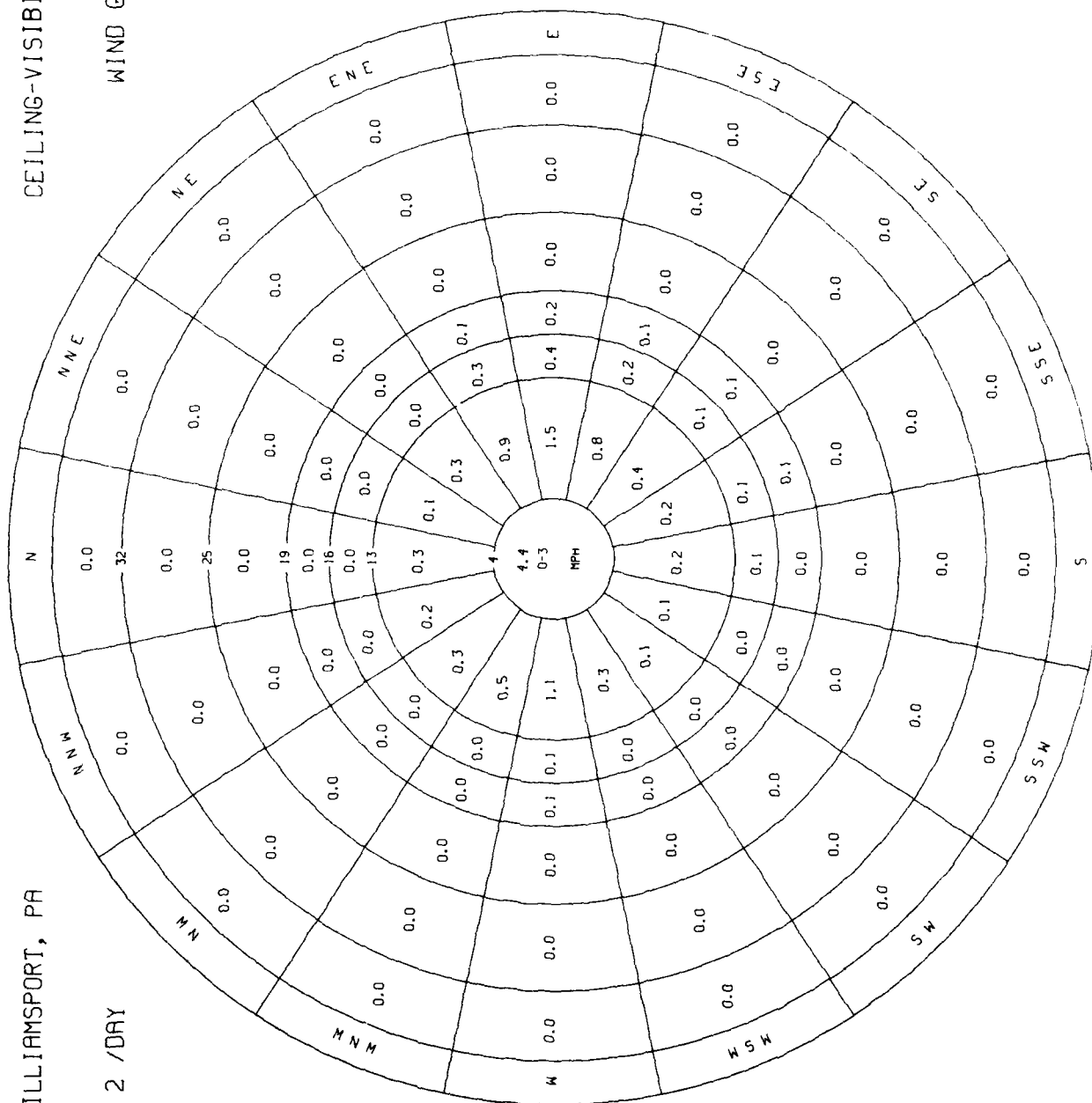
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	1.7	2.0	3.6	4.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.4	5.3
NNE	.8	.9	1.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.4	5.2
NE	.8	.9	1.4	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.7	5.9
ENE	.3	.4	2.1	2.5	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.0	3.6	8.7
E	.5	.6	3.3	3.9	.5	.6	.2	.3	.0	.0	.0	.0	.0	.0	4.5	5.4	8.6
ESE	.3	.4	1.9	2.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.6	3.1	8.7
SE	.3	.4	1.1	1.3	.2	.2	.1	.2	.0	.1	.0	.0	.0	.0	1.9	2.2	8.6
SSE	.2	.2	.7	.9	.2	.3	.2	.3	.1	.1	.0	.0	.0	.0	1.5	1.8	11.2
S	.4	.5	.9	1.1	.3	.3	.3	.3	.2	.2	.0	.0	.0	.0	2.0	2.4	10.5
SSW	.2	.3	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	7.2
SW	.3	.4	.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	6.2
WSW	.4	.5	1.7	2.0	.2	.3	.3	.3	.1	.1	.0	.0	.0	.0	2.7	3.3	8.9
W	1.1	1.3	8.5	10.0	2.1	2.4	1.5	1.8	.4	.5	.1	.1	.0	.0	13.6	16.1	10.2
WNW	1.2	1.4	6.1	7.2	1.4	1.7	1.1	1.3	.3	.4	.1	.1	.0	.0	10.1	12.0	9.7
NW	1.8	2.2	4.1	4.9	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	7.2	8.6	7.6
NNW	1.2	1.5	3.2	3.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.7	5.6	6.1
CALM	18.7	22.2													18.7	22.2	
TOTAL	30.2	35.9	40.8	48.6	6.7	7.9	4.6	5.5	1.4	1.7	.3	.3	.0	.0	84.1	100	6.6

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 14778

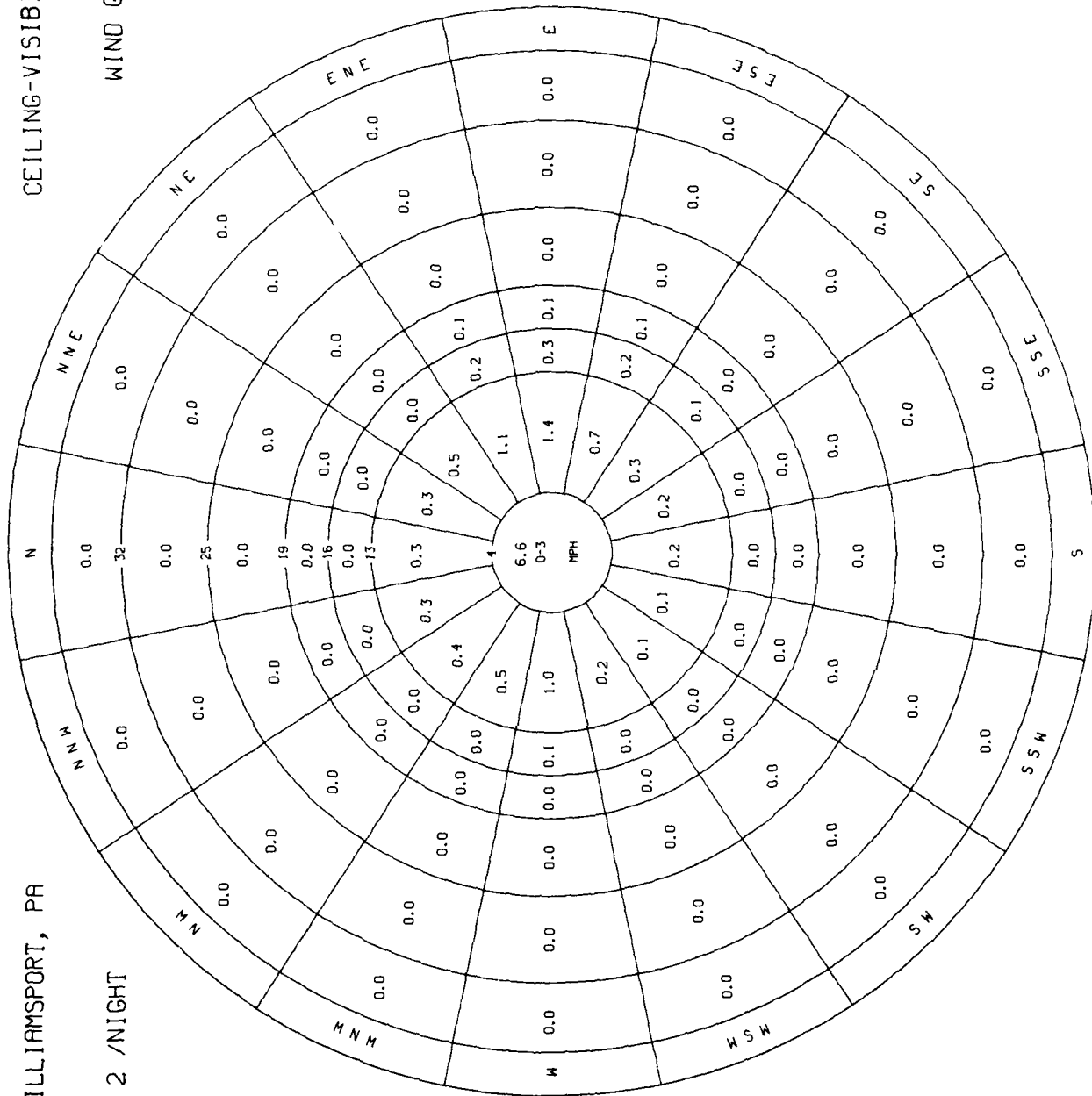
NO. OBS.: 5042

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	.9	.3	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0	5.3
NNE	.1	.5	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	5.2
NE	.1	.6	.3	2.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	3.4	8.0
ENE	.1	.5	.9	6.1	.3	1.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	1.3	9.1	10.0
E	.2	1.2	1.5	10.5	.4	2.6	.2	1.1	.0	.1	.0	.0	.0	.0	.0	2.2	15.5	9.6
ESE	.1	.9	.8	5.5	.2	1.4	.1	.7	.0	.1	.0	.1	.0	.0	.0	1.2	8.7	9.3
SE	.1	.7	.4	3.1	.1	.9	.1	.5	.0	.1	.0	.0	.0	.0	.0	.7	5.3	9.2
SSE	.1	.6	.2	1.4	.1	.7	.1	.4	.0	.4	.0	.1	.0	.0	.0	.5	3.5	10.9
S	.1	.6	.2	1.8	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.4	3.2	9.0
SSW	.1	.5	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	5.6
SW	.1	.6	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.2
WSW	.1	1.0	.3	2.4	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	3.6	6.4
W	.3	1.8	1.1	7.6	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	1.5	10.7	7.6
WNW	.2	1.4	.5	3.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.7	5.3	6.6
NW	.2	1.3	.3	2.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	3.9	5.8
NNW	.1	.6	.2	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	5.8
CALM	2.5	18.1														2.5	18.1	
TOTAL	4.4	31.6	7.4	52.9	1.3	9.6	.6	4.4	.2	1.2	.0	.2	.0	.0	.0	13.9	100	6.8

IPT WILLIAMSPORT, PA

WIND GRAPH

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 4471

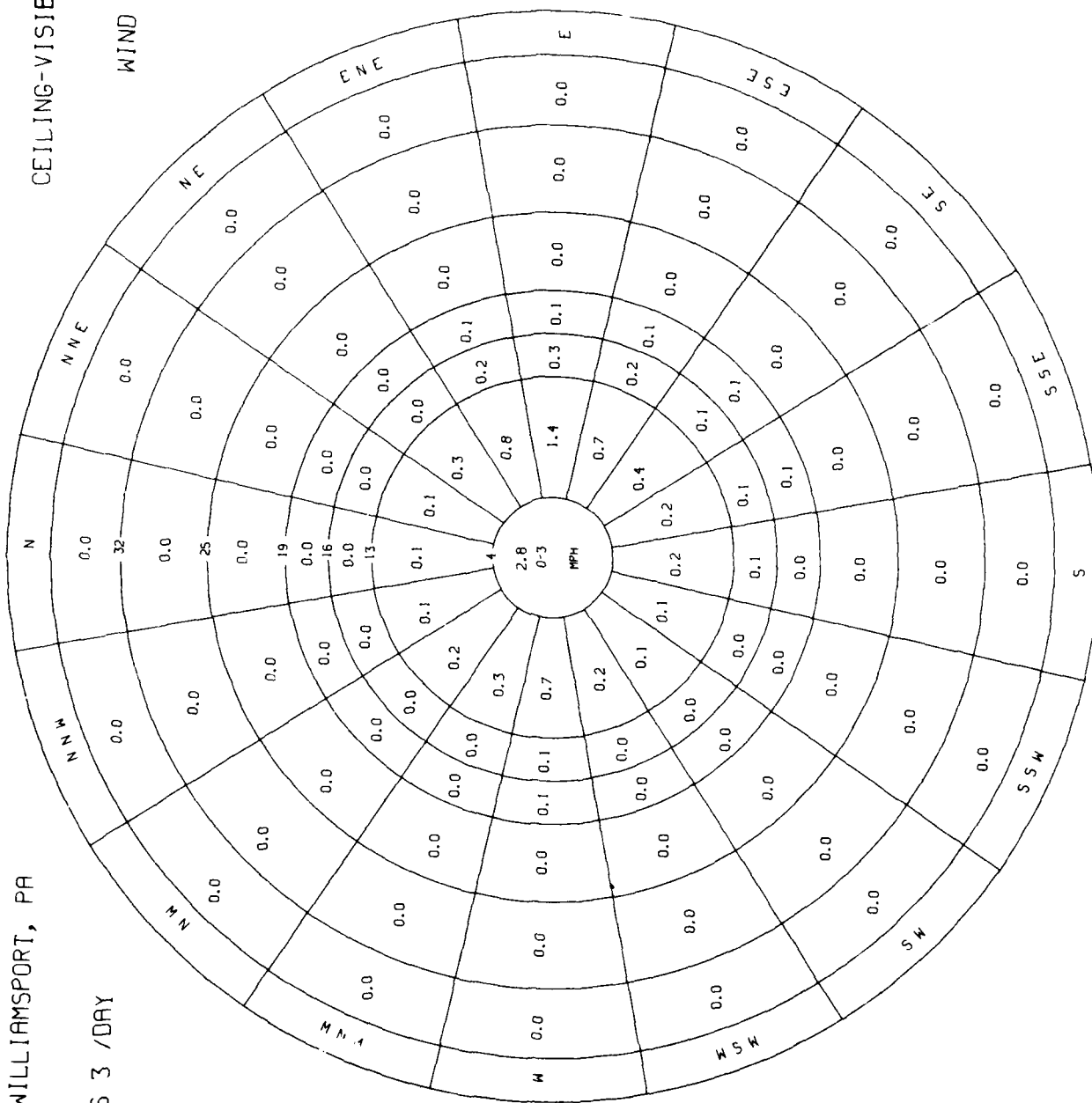
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.5	.3	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 3.6
NNE	.1	.5	.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.2
NNE	.1	.8	.5	2.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.0
ENE	.1	.5	1.1	7.2	.2	1.5	.1	.4	.0	.0	.0	.0	.0	.0	1.5 9.7
E	.2	1.2	1.4	8.7	.3	2.1	.1	.9	.0	.1	.0	.0	.0	.0	2.1 13.0
ESE	.1	.5	.7	4.3	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	1.0 6.6
SE	.1	.5	.3	2.2	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 3.4
SSE	.1	.4	.2	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3 2.1
S	.1	.4	.2	1.1	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.3 2.0
SSW	.1	.4	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.0
SW	.1	.5	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
WSW	.1	.5	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.1
W	.2	1.5	1.0	6.4	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	1.4 8.8
WNW	.1	.9	.5	3.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.7 4.6
NW	.3	1.7	.4	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.1
NNW	.1	.8	.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.7
CALM	4.6	28.6													4.6 28.6
TOTAL	6.6	41.4	7.6	47.7	1.1	6.9	.5	3.2	.1	.6	.0	.1	.0	.0	15.9 100
															5.6

IPT WILLIAMSPORT, PA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 3 / DAY

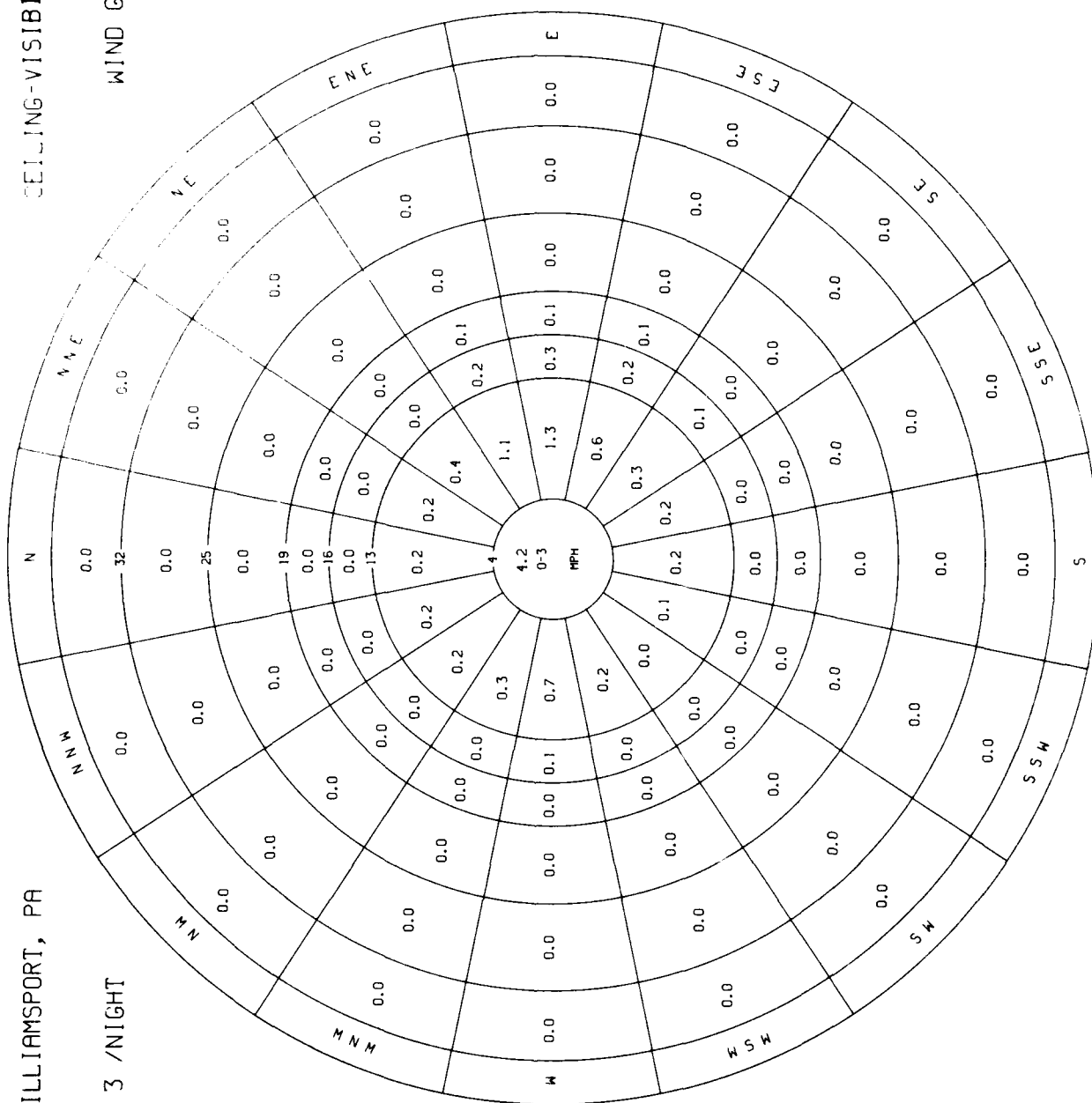
STATION NUMBER: 14778

NO. OBS.: 3919

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	.1	1.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
NNE	.0	.2	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
NNE	.1	.6	.3	3.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 4.1
ENE	.1	.6	.8	7.5	.2	2.2	.1	.6	.0	.2	.0	.0	.0	.0	1.2 11.0
E	.1	1.3	1.4	12.8	.3	3.1	.1	1.4	.0	.1	.0	.0	.0	.0	2.0 18.7
ESE	.1	1.0	.7	6.7	.2	1.7	.1	.8	.0	.2	.0	.1	.0	.0	1.1 10.4
SE	.1	.8	.4	3.8	.1	1.1	.1	.6	.0	.1	.0	.0	.0	.0	.7 6.4
SSE	.1	.6	.2	1.6	.1	.9	.1	.5	.0	.5	.0	.1	.0	.0	.5 4.2
S	.1	.6	.2	2.0	.1	.5	.0	.4	.0	.2	.0	.1	.0	.0	.4 3.8
SSW	.0	.5	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
SW	.0	.5	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.3
WSW	.1	.7	.2	2.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.3
W	.1	1.3	.7	6.8	.8	.8	.1	.5	.0	.1	.0	.0	.0	.0	1.0 9.5
WNW	.1	.8	.3	2.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.8
NW	.1	.9	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.7
NNW	.0	.4	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.6
CALM	1.6	14.8													1.6 14.8
TOTAL	2.8	26.1	6.0	55.5	1.2	11.4	.6	5.3	.1	1.4	.0	.2	.0	.0	10.8 100
															7.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 3383

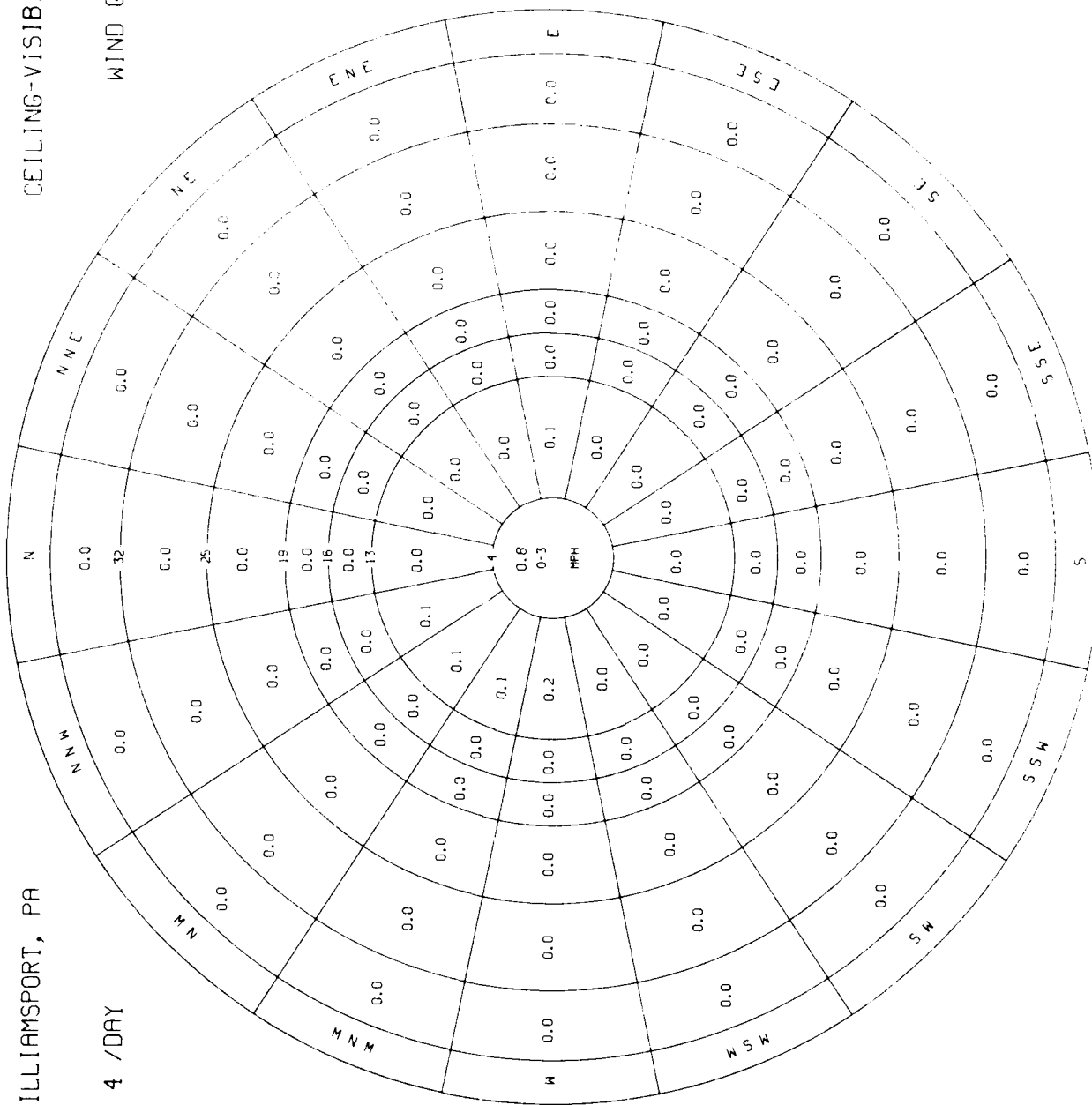
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.2	.2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.2
NNE	.0	.3	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.1
NE	.1	.8	.4	3.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.8
ENE	.1	.5	1.1	8.7	.2	1.9	.1	.6	.0	.1	.0	.0	.0	.0	1.4 11.8
E	.1	1.2	1.3	10.5	.3	2.5	.1	1.2	.0	.1	.0	.0	.0	.0	1.9 15.5
ESE	.1	.4	.6	5.3	.2	1.4	.1	.7	.0	.2	.0	.0	.0	.0	1.0 8.0
SE	.1	.6	.3	2.7	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.5 4.2
SSE	.0	.4	.2	1.4	.0	.3	.0	.3	.0	.0	.0	.1	.0	.0	.3 2.5
S	.1	.5	.2	1.3	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3 2.5
SSW	.0	.3	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 1.0
SW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .9
WSW	.0	.3	.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.7
W	.1	1.2	.7	6.2	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	1.0 8.4
WNW	.1	.7	.3	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.5 4.0
NW	.2	1.4	.2	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.5
NNW	.1	.7	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.1
CALM	2.9	24.0													2.9 24.0
TOTAL	4.2	35.1	6.2	51.6	1.0	8.4	.5	4.0	.1	.7	.0	.2	.0	.0	12.0 100

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 14778

NO. OBS.: 616

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.3	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.7
NNE	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
NE	.0	.0	.0	.8	.0	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0 1.5
ENE	.0	.5	.0	1.9	.0	1.1	.0	.0	.0	.3	.0	.0	.0	.0	.1 3.9
E	.0	1.6	.1	3.2	.0	1.0	.0	.5	.0	.3	.0	.0	.0	.0	.1 6.7
ESE	.0	.5	.0	1.9	.0	.3	.0	.2	.0	.0	.0	.2	.0	.0	.1 3.1
SE	.0	.5	.0	1.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.8
SSE	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
S	.0	.5	.0	1.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0 1.8
SSW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.0
SW	.0	.8	.0	1.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
WSW	.0	1.5	.0	2.8	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1 4.4
W	.1	3.4	.2	12.5	.0	1.1	.0	.2	.0	.0	.0	.2	.0	.0	.3 17.4
WNW	.0	2.9	.1	8.2	.0	.2	.0	.2	.0	.2	.0	.2	.0	.0	.3 11.9
NW	.0	2.3	.1	3.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.2
NNW	.0	1.0	.1	3.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 4.5
CALM	.5	26.2													.5 26.8
TOTAL	.5	45.6	.8	46.6	.1	4.7	.0	1.6	.0	1.0	.0	.5	.0	.0	1.7 100

AD-A108 157

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

NATIONAL CLIMATE CENTER KNOXVILLE TN 37612
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)
JUN 81 DOT-FA79VAI-057

JUN 81

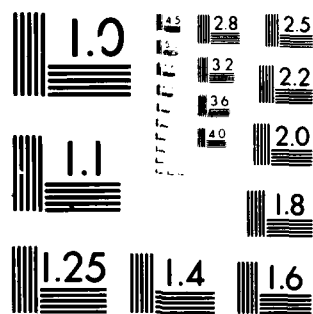
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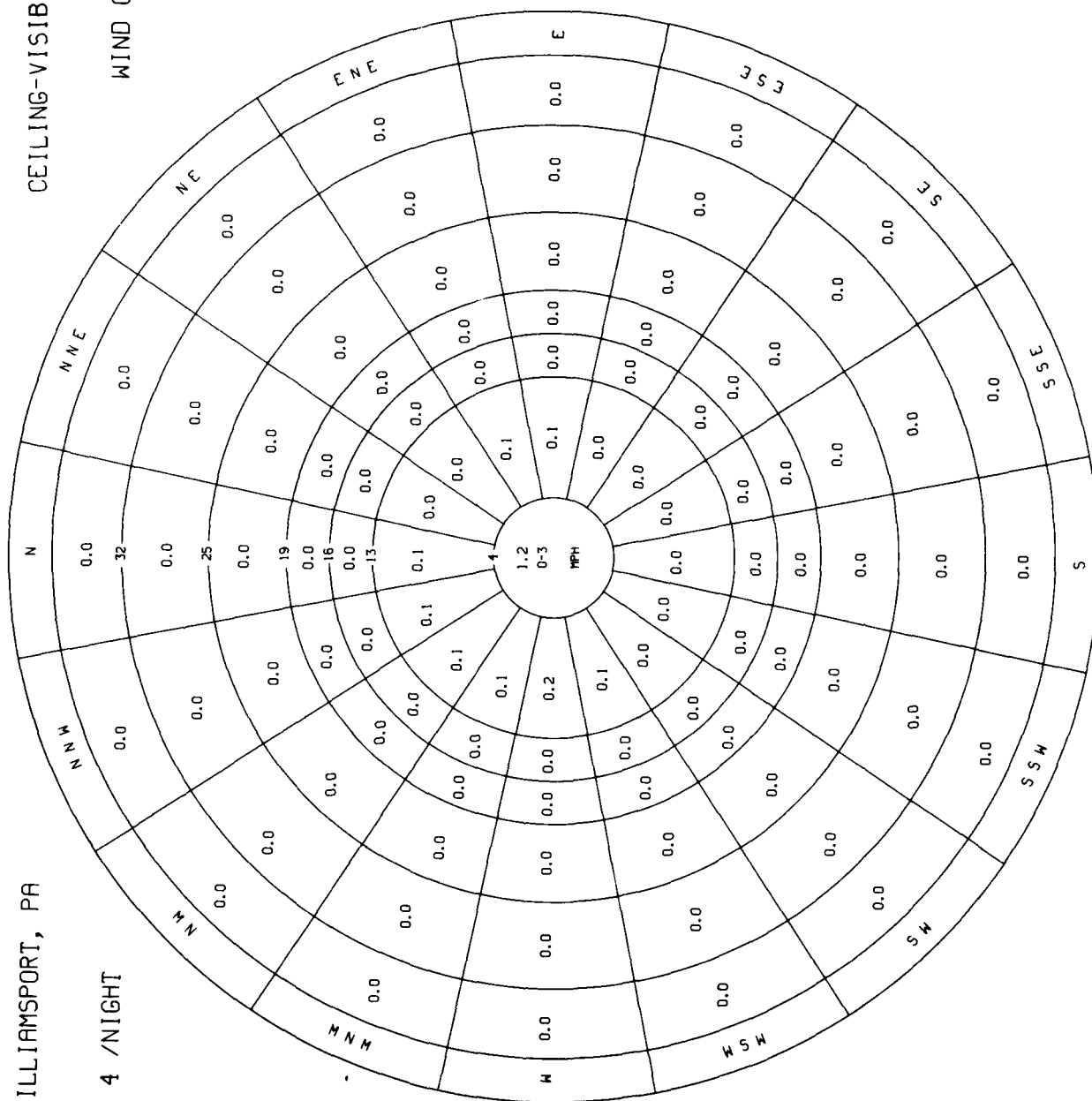
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 622

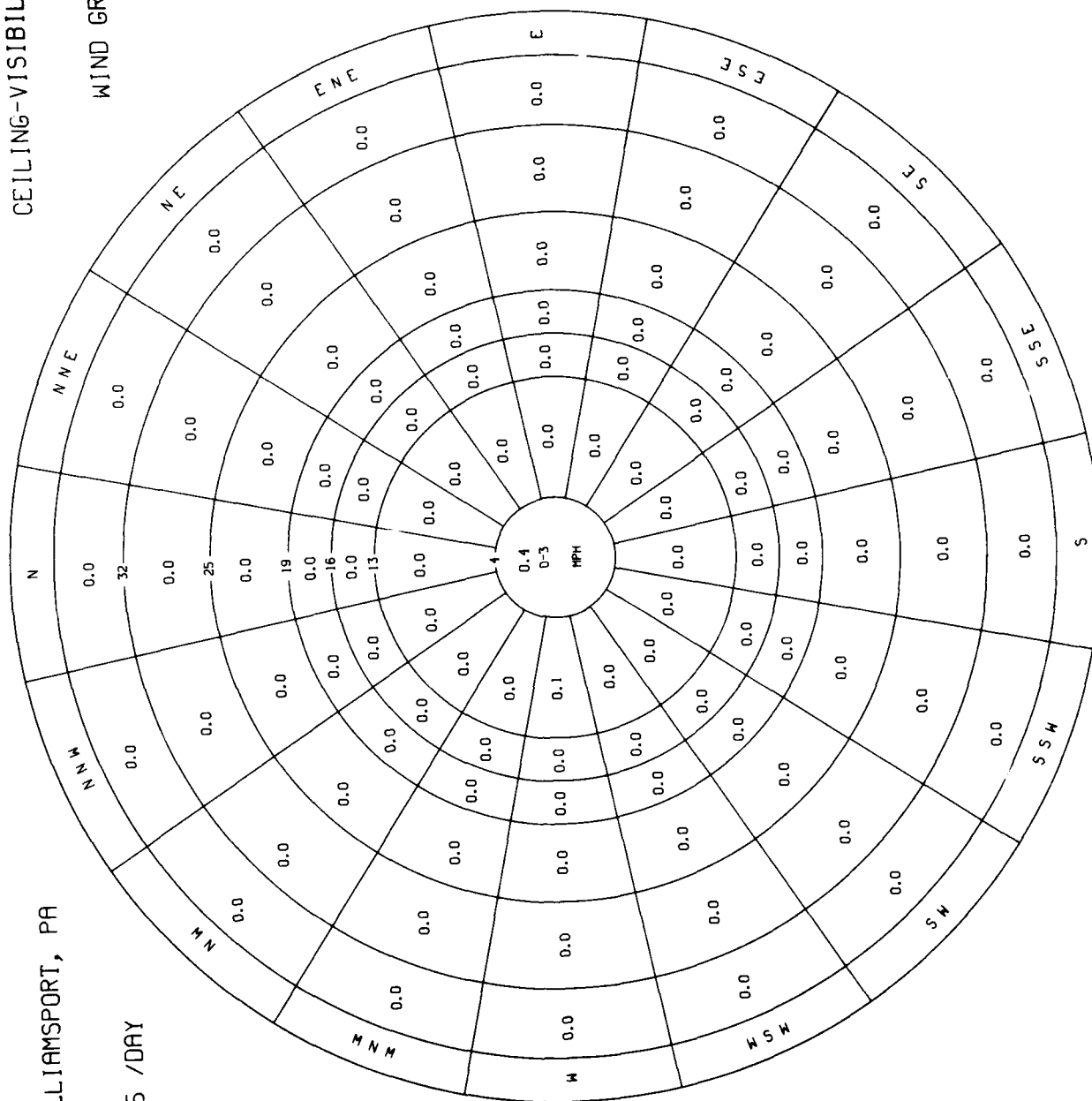
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.6	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	4.5
NNE	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	
NE	.0	.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.1
ENE	.0	.5	.1	4.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	
E	.0	1.3	.1	4.8	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.2	7.9	8.2
ESE	.0	.5	.0	1.6	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.1	2.7	
SE	.0	.2	.0	.6	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.0	7.7
SSE	.0	.3	.0	.2	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.0	
S	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.5
SSW	.0	.5	.0	.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.3	
SW	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.6
WSW	.0	1.4	.1	2.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	
W	.1	2.4	.2	9.5	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.3	12.9	7.2
WNW	.0	1.3	.1	4.5	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.1	6.3	
NW	.0	2.1	.1	2.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	5.3	5.6
NNW	.0	.8	.1	3.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	
CALM	.8	36.7													.8	36.7	5.5
TOTAL	1.2	52.6	.9	41.8	.1	3.7	.0	1.6	.0	.3	.0	.0	.0	.0	2.2	100	
																	4.2

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 14778

NO. OBS.: 252

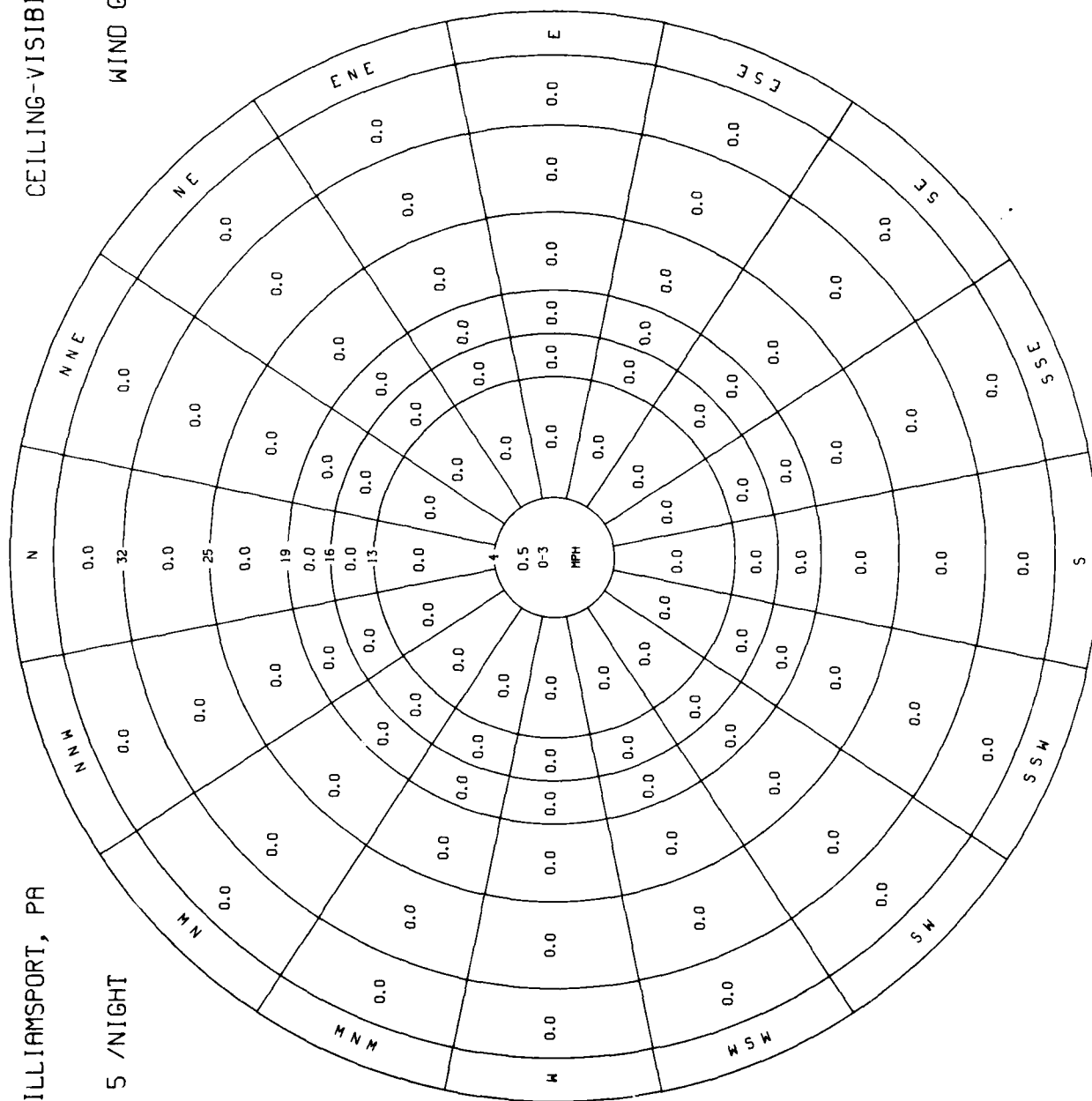
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	3.6	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.7	5.0
NNE	.0	2.4	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	4.5
NE	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	3.5
ENE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.0
E	.0	.0	.0	1.6	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.4	11.0
ESE	.0	1.2	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.0
SE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
SSE	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
S	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
SSW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
SW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.7
WSW	.0	2.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.2
W	.0	3.2	.1	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.9	5.7
WNW	.0	3.2	.0	4.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	8.3	5.7
NW	.0	2.4	.0	6.7	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	10.3	6.5
NNW	.0	1.6	.0	2.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.4	5.7
CALM	.2	31.7													.2	31.7	
TOTAL	.4	53.6	.3	42.9	.0	2.0	.0	1.2	.0	.4	.0	.0	.0	.0	.7	100	3.8

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: IPT WILLIAMSPORT, PA

CLASS 5 / NIGHT

NO. OBS.: 189

STATION NUMBER: 14778

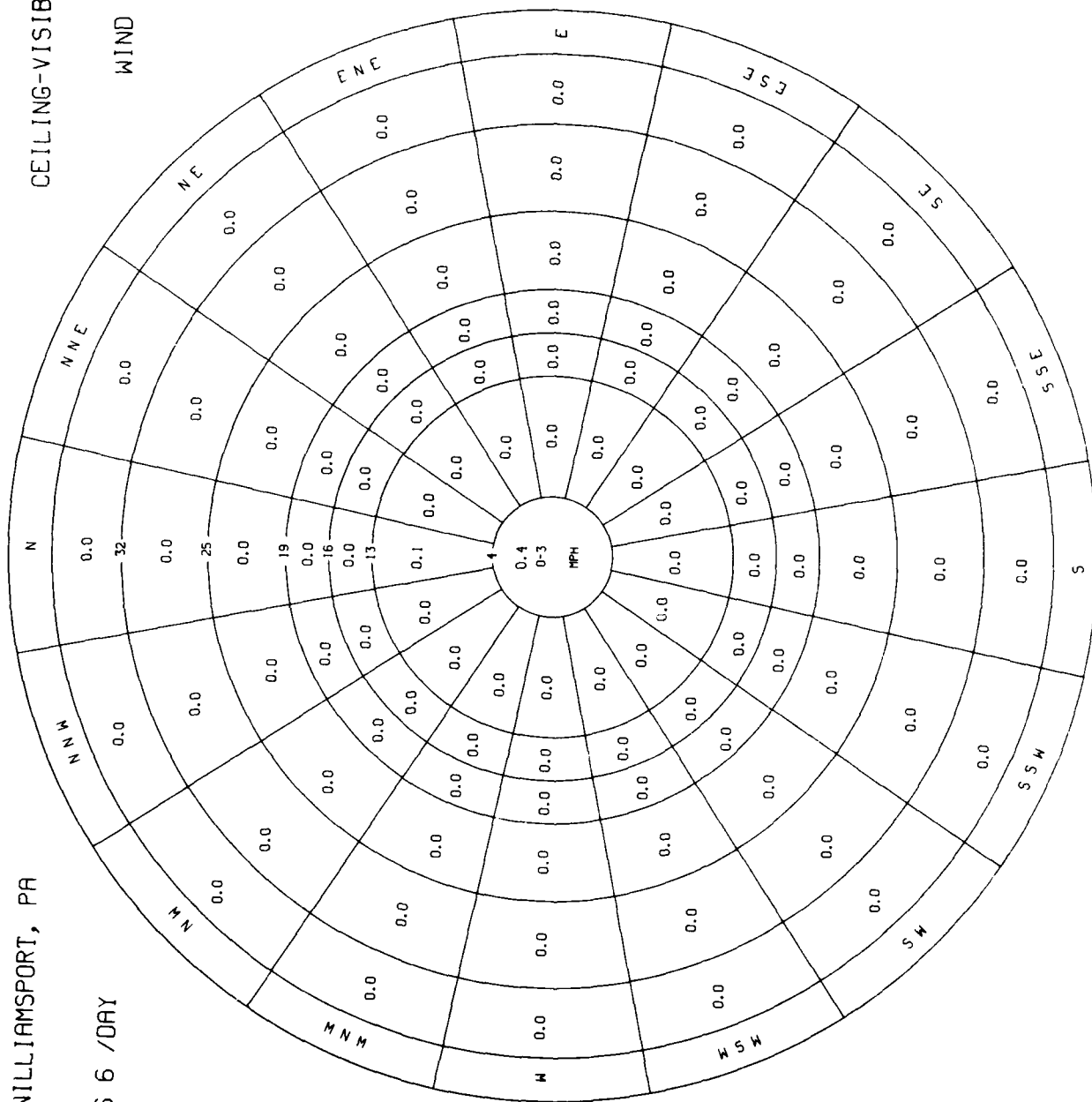
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.0	3.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.1		
NNE	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.4		
NE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.5		
ENE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.0		
E	.0	1.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	6.4		
ESE	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	8.0		
SE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.7		
SSE	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.0		
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
SSW	.0	1.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.0		
SW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.0		
WSW	.0	.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.7		
W	.0	2.6	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	5.4		
WNW	.0	1.1	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	6.3		
NW	.0	2.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.4		
NNW	.0	.5	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	5.1		
CALM	.3	51.9													.3	51.9			
TOTAL	.5	70.4	.2	29.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.7	100	2.4		

IPT WILLIAMSPORT, PA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 14778

NO. OBS.: 255

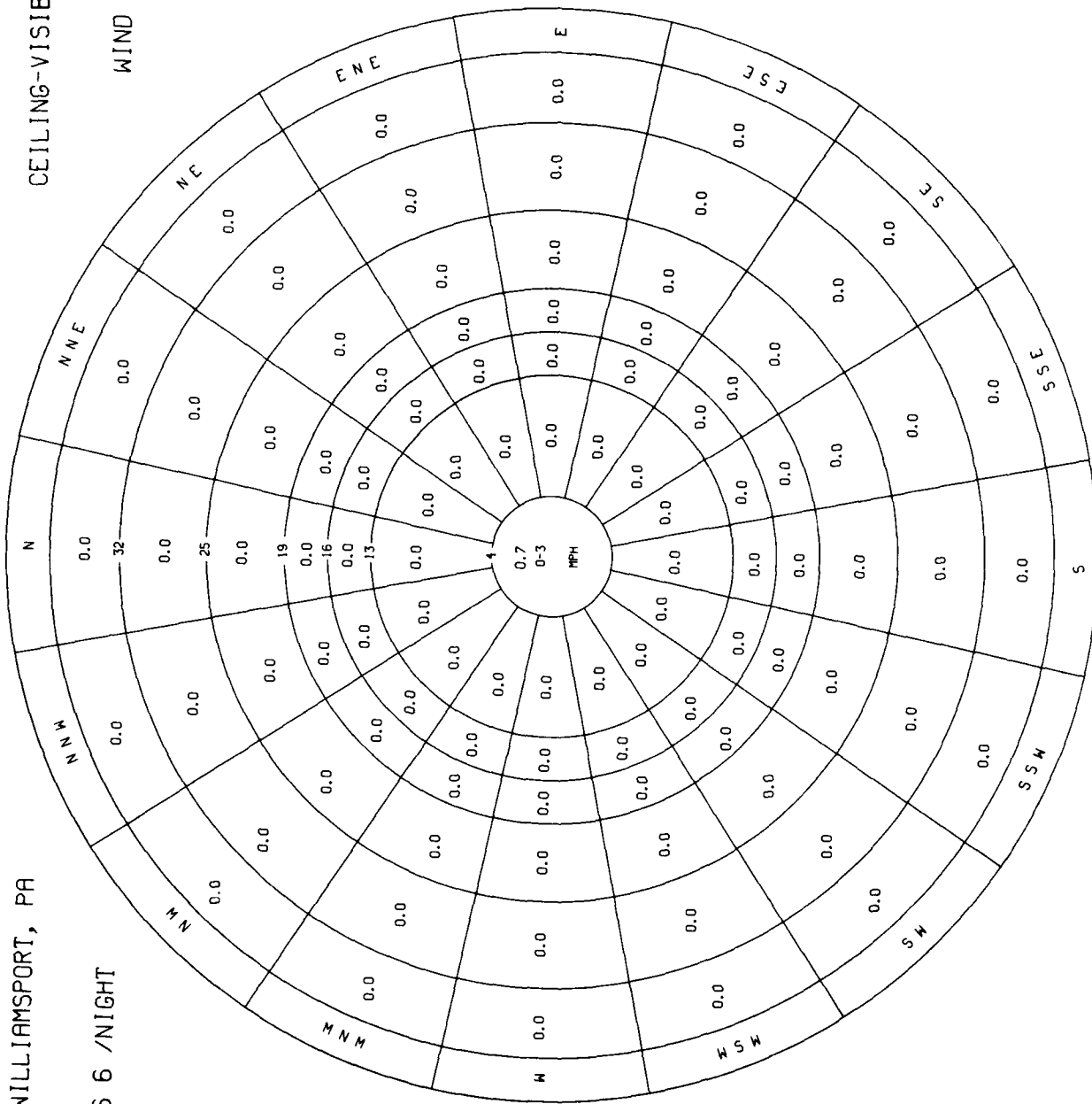
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	3.1	.1	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.6	4.7
NNE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.7
NNE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
ENE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.7
E	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.3
ESE	.0	1.2	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.3
SE	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	15.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.5
SSW	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
SW	.0	2.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.4
WSW	.0	2.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	4.5
W	.0	4.7	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.4	4.7
NNW	.0	3.9	.0	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	.1	8.6	6.1
NW	.0	3.9	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.8	4.8
NNW	.0	1.6	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.9
CALM	.2	34.5														.2	34.5	
TOTAL	.4	60.4	.3	38.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.4	.0	.7	100	3.2

IPT WILLIAMSPORT, PA

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IPT WILLIAMSPORT, PA

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 14778

NO. OBS.: 277

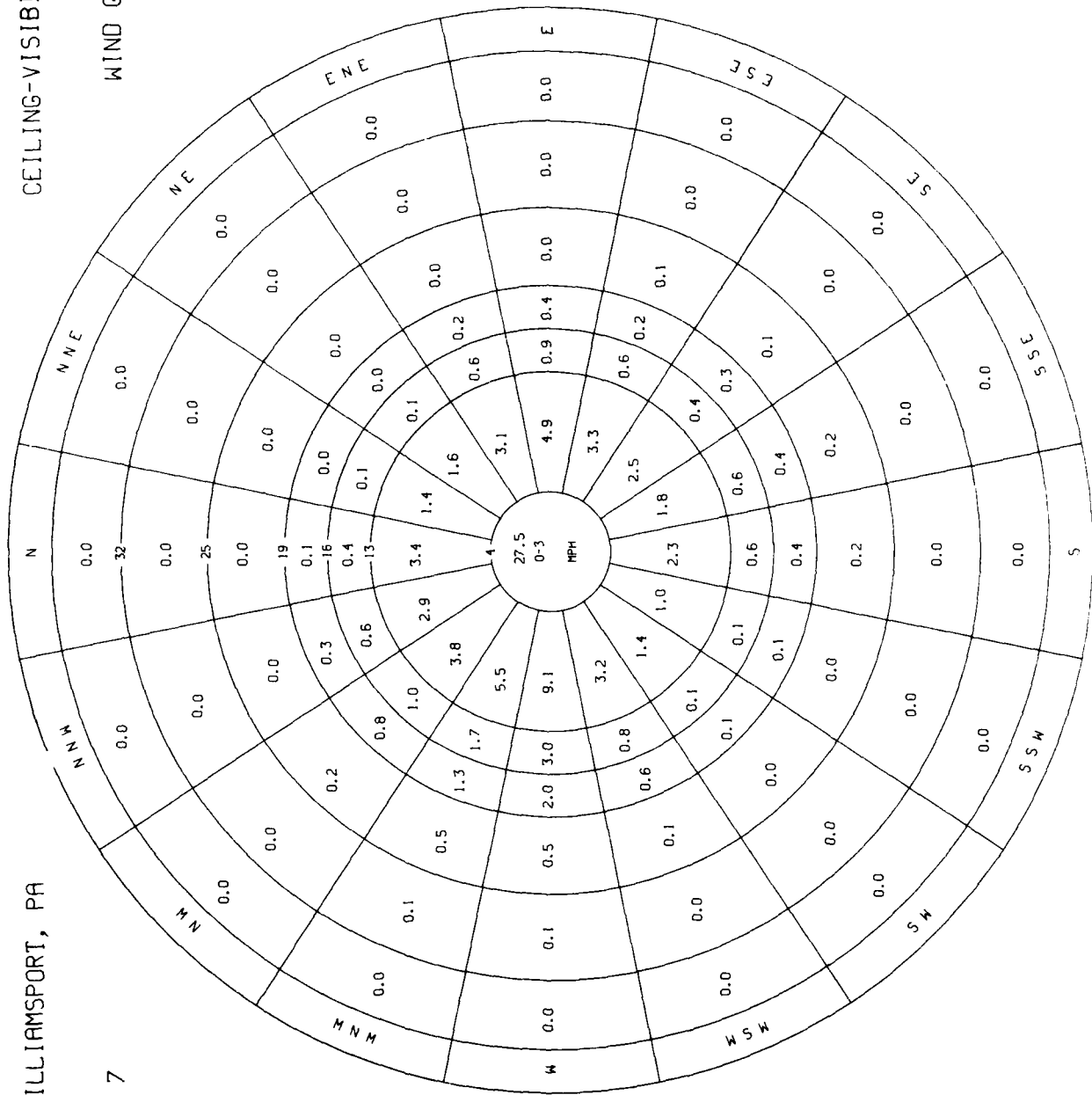
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
NNE	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.6
NE	.0	1.1	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
ENE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
E	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
ESE	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SSE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
S	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SW	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
WSW	.0	1.1	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
W	.0	2.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.4
WNW	.0	1.8	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.8
NW	.0	5.1	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 9.0
NNW	.0	2.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.4
CALM	.5	51.6													.5 51.6
TOTAL	.7	73.3	.3	26.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0 100
															2.1

CEILING-VISIBILITY

WIND GRAPH

IPT WILLIAMSPORT, PA

CLASS 7

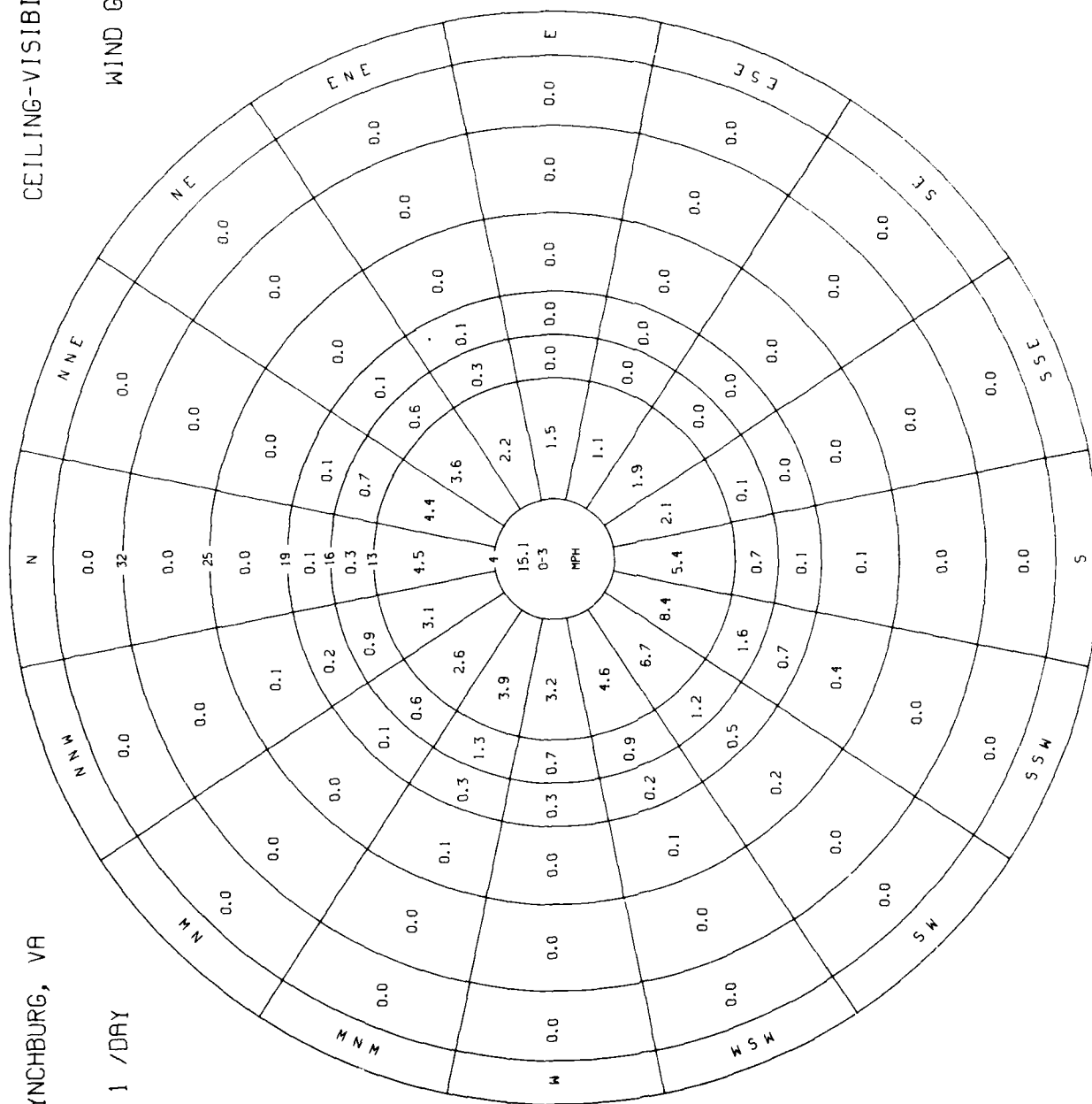


CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 1 /DAY



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 1 / DAY

STATION NUMBER: 13733

NO. OBS.: 8389

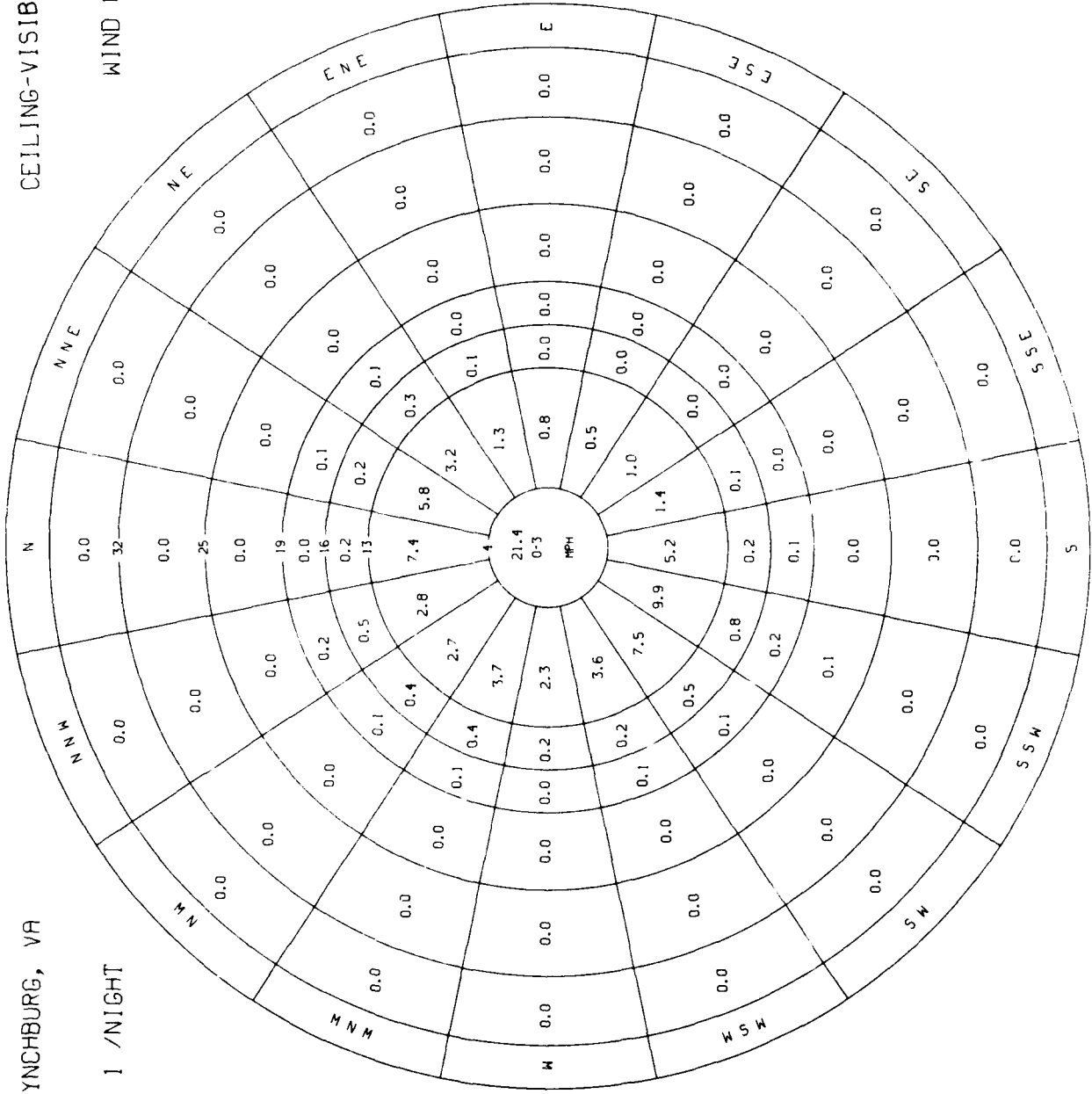
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	1.1	1.3	4.5	5.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	6.2	7.0	7.1
NNE	.8	.9	4.4	4.9	.7	.8	.1	.2	.0	.0	.0	.0	.0	.0	6.0	6.8	7.8
NE	.8	.9	3.6	4.1	.6	.7	.1	.2	.0	.0	.0	.0	.0	.0	5.2	5.9	8.4
ENE	.4	.5	2.2	2.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.0	3.3	7.7
E	.6	.7	1.5	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.4	5.8
ESE	.4	.5	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.8	5.7
SE	.8	.9	1.9	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.0	5.6
SSE	.9	1.0	2.1	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.5	6.2
S	1.6	1.8	5.4	6.1	.7	.8	.1	.2	.1	.1	.0	.0	.0	.0	7.8	8.9	7.4
SSW	1.5	1.7	8.4	9.5	1.6	1.8	.7	.8	.4	.4	.0	.0	.0	.0	12.7	14.3	8.9
SW	1.3	1.4	6.7	7.6	1.2	1.4	.5	.6	.2	.2	.0	.0	.0	.0	9.9	11.2	8.6
WSW	.8	.9	4.6	5.2	.9	1.0	.2	.2	.1	.1	.0	.0	.0	.0	6.6	7.5	8.5
W	.8	.9	3.2	3.6	.7	.8	.3	.4	.0	.0	.0	.0	.0	.0	5.0	5.7	8.4
WNW	.7	.8	3.9	4.4	1.3	1.5	.3	.3	.1	.1	.0	.0	.0	.0	6.3	7.2	9.3
NW	1.0	1.1	2.6	2.9	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	4.3	4.9	7.8
NNW	.8	.9	3.1	3.6	.9	1.0	.2	.3	.1	.1	.0	.0	.0	.0	5.1	5.8	8.8
CALM	.7	.8													.7	.8	
TOTAL	15.1	17.0	59.2	67.0	10.0	11.3	3.0	3.4	1.1	1.2	.1	.1	.0	.0	88.4	100	8.0

CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 1 / NIGHT

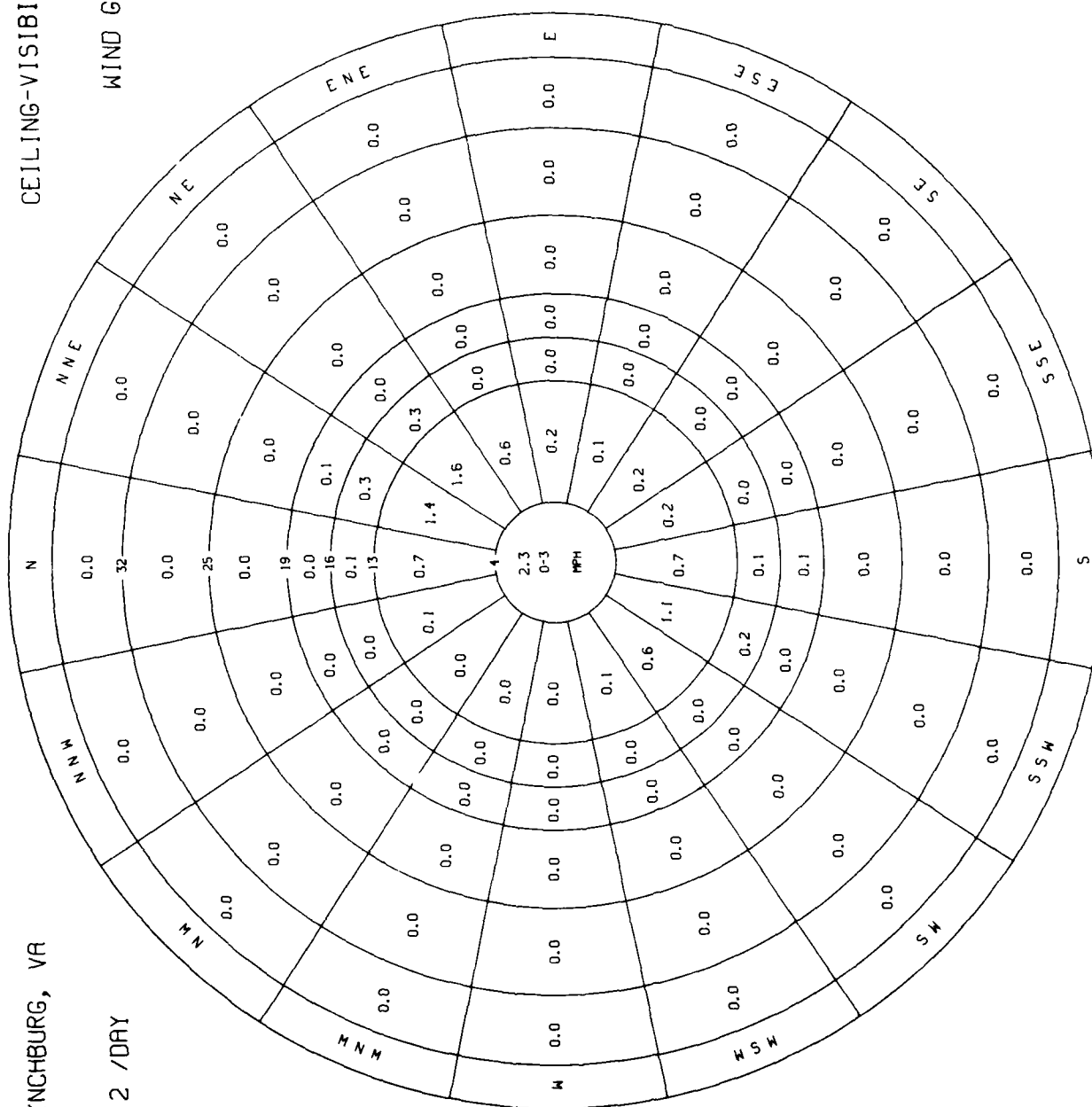
STATION NUMBER: 13733

NO. OBS.: 6890

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	2.4	2.8	7.4	8.6	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	10.0 11.7
NNE	1.7	2.0	5.8	6.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	7.8 9.1
NNE	1.3	1.6	3.2	3.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.9 5.8
ENE	.4	.5	1.3	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8 2.1
E	.4	.5	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2 1.4
ESE	.4	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 1.0
SE	1.0	1.2	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0 2.4
SSE	1.0	1.1	1.4	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5 2.9
S	2.2	2.6	5.2	6.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	7.7 9.0
SSW	2.6	3.0	9.9	11.6	.8	.9	.2	.2	.1	.1	.0	.0	.0	.0	13.6 15.8
SW	2.3	2.7	7.5	8.7	.5	.6	.1	.1	.0	.1	.0	.0	.0	.0	10.4 12.2
WSW	.7	.9	3.6	4.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.6 5.4
W	.8	.9	2.3	2.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.4 3.9
WNW	.8	.9	3.7	4.3	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	5.0 5.9
NW	1.2	1.4	2.7	3.1	.4	.4	.1	.1	.0	.1	.0	.0	.0	.0	4.3 5.0
NNW	.8	.9	2.8	3.3	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	4.3 5.0
CALM	1.3	1.5													1.3 1.5
TOTAL	21.4	24.9	59.0	68.7	4.1	4.7	1.1	1.3	.3	.3	.0	.0	.0	.0	85.8 100

LYH LYNCHBURG, VA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 2 / DAY

STATION NUMBER: 13733

NO. OBS.: 1105

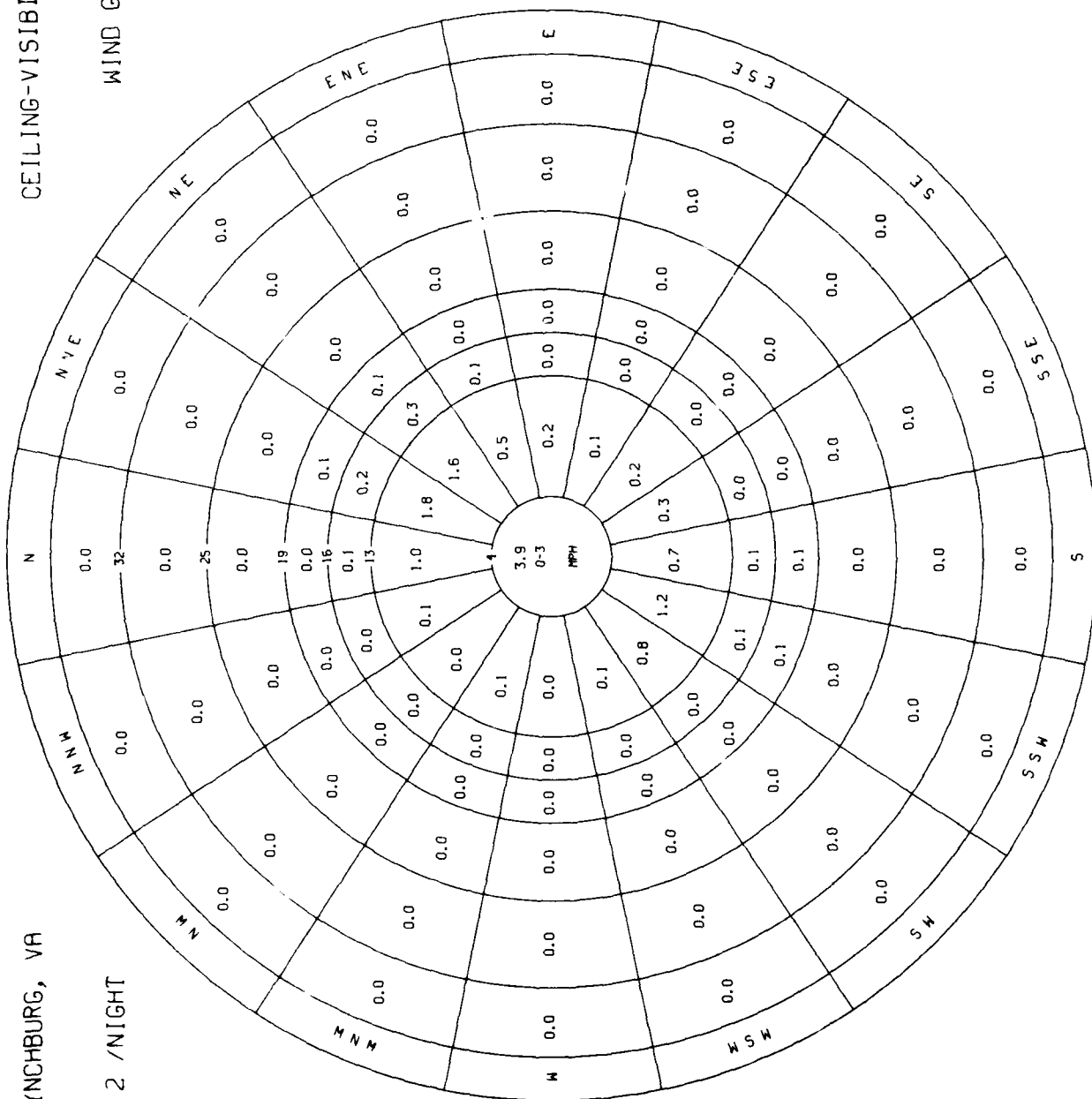
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.4	3.1	.7	6.2	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.2 10.1
NNE	.2	2.0	1.4	12.2	.3	2.4	.1	.9	.0	.1	.0	.0	.0	.0	2.1 17.6
NE	.2	2.0	1.6	13.7	.3	2.9	.0	.4	.0	.2	.0	.1	.0	.0	2.2 19.2
ENE	.1	.8	.6	5.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.7 6.3
E	.1	.5	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.0
ESE	.0	.4	.1	1.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2 1.6
SE	.1	.5	.2	1.9	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.0
SSE	.1	1.2	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.1
S	.2	1.4	.7	5.6	.1	1.1	.1	.5	.0	.2	.0	.1	.0	.0	1.0 8.8
SSW	.2	1.9	1.1	9.2	.2	1.6	.0	.4	.0	.1	.0	.0	.0	.0	1.5 13.2
SW	.2	1.9	.6	5.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.9 7.3
WSW	.1	1.1	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.4
W	.1	.5	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 .9
WNW	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
NW	.0	.4	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1 .9
NNW	.0	.3	.1	.8	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2 1.4
CALM	.2	1.7													.2 1.7
TOTAL	2.3	19.7	7.6	65.6	1.2	10.4	.3	3.0	.1	1.1	.0	.2	.0	.0	11.6 100

CEILING-VISIBILITY

WIND GRAPH

LYH LYNCHBURG, VA

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 2 / NIGHT

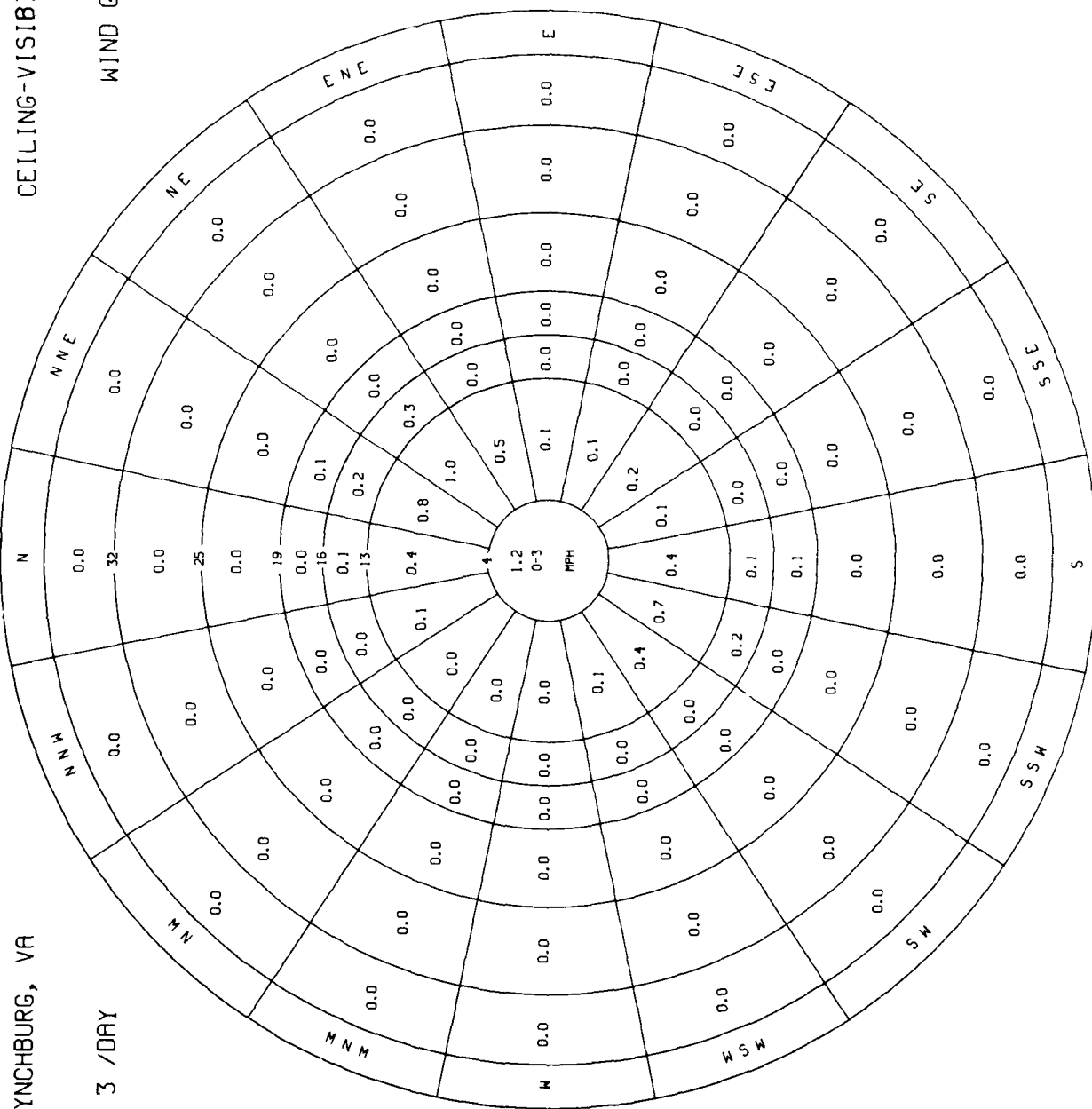
STATION NUMBER: 13733

NO. OBS.: 142

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.6	3.9	1.0	7.2	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	1.7	11.7	6.0
NNE	.3	2.0	1.8	12.3	.2	1.7	.1	.6	.0	.0	.0	.0	.0	.0	2.4	16.6	8.3
NE	.4	2.6	1.6	11.4	.3	1.9	.1	.5	.0	.3	.0	.0	.0	.0	2.4	16.7	8.1
ENE	.1	1.1	.5	3.7	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.4	7.3
E	.1	1.0	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	4.8
ESE	.1	.8	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.8	4.6
SE	.1	.7	.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	6.0
SSE	.2	1.3	.3	1.9	.0	.0	.0	.1	.0	.2	.0	.1	.0	.0	.5	3.6	7.3
S	.4	3.1	.7	4.8	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	1.3	9.2	7.0
SSW	.4	2.5	1.2	8.5	.1	.8	.1	.5	.0	.1	.0	.0	.0	.0	1.8	12.4	7.5
SW	.5	3.3	.8	5.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	1.3	9.4	5.8
WSW	.1	1.0	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	3.6
W	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	3.9
WNW	.1	.4	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	4.8
NW	.1	.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	4.7
NNW	.2	1.1	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.4	5.1
CALM	.2	1.5													.2	1.5	
TOTAL	3.9	27.8	8.8	61.9	1.0	6.8	.4	2.7	.1	.7	.0	.1	.0	.0	14.2	100	6.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 3 / DAY

STATION NUMBER: 13733

NO. OBS.: 714

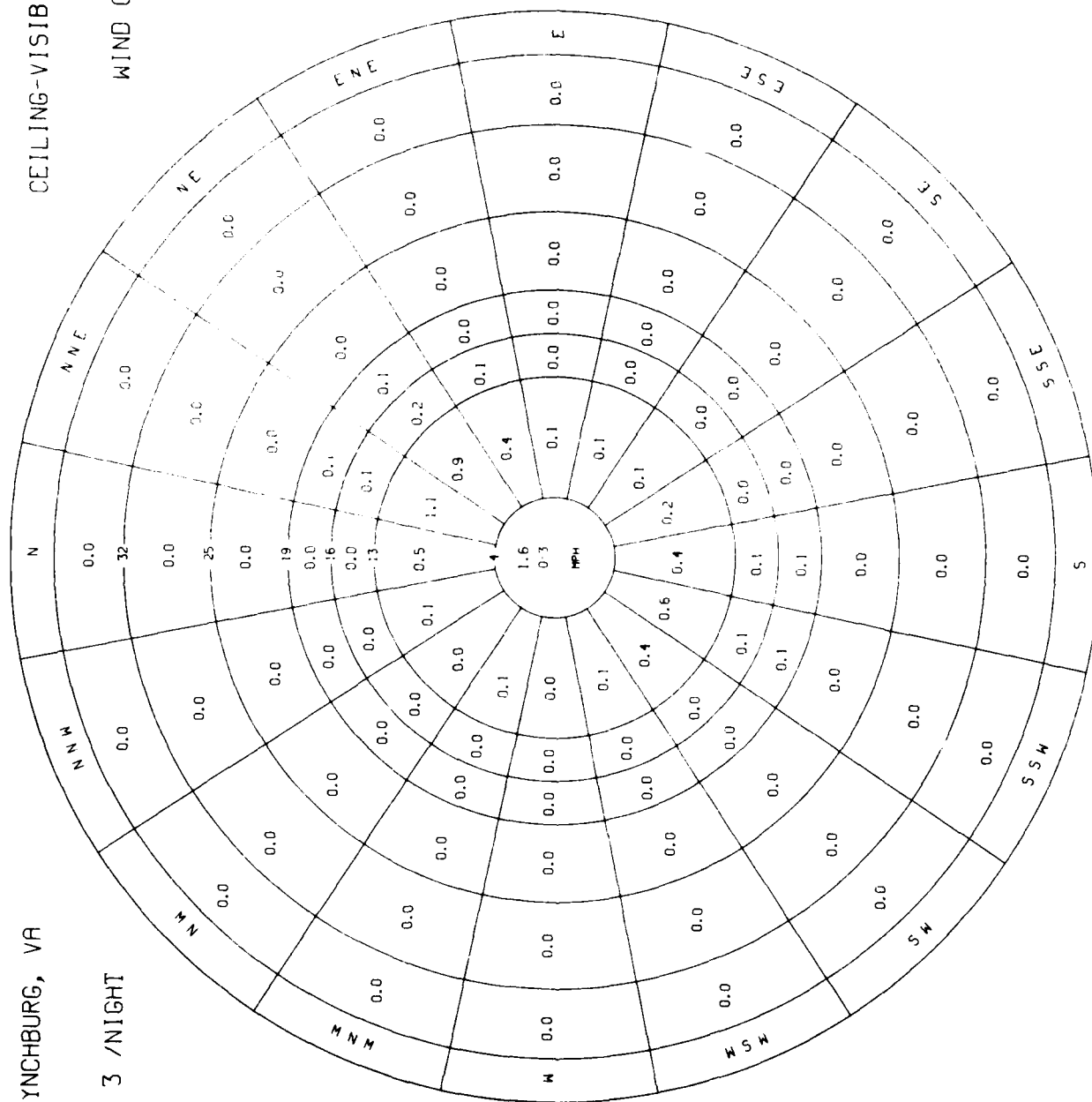
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.2	2.2	.4	5.3	.1	.7	.0	.2	.0	.3	.0	.0	.0	.0	.6	8.5	7.0
NNE	.1	1.0	.8	10.8	.2	2.7	.1	.8	.0	.0	.0	.0	.0	.0	1.2	15.4	9.5
NE	.1	1.5	1.0	13.3	.3	3.6	.0	.6	.0	.3	.0	.1	.0	.0	1.5	19.5	9.3
ENE	.1	.7	.5	6.9	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.6	8.0	8.1
E	.1	.7	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	5.4
ESE	.0	.3	.1	1.3	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.0	7.6
SE	.1	.7	.2	2.2	.0	.6	.0	.1	.0	.1	.0	.0	.0	.0	.3	3.8	7.8
SSE	.1	1.4	.1	1.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3	3.6	6.8
S	.1	1.3	.4	4.8	.1	1.3	.1	.7	.0	.3	.0	.1	.0	.0	.6	8.4	9.7
SSW	.1	1.4	.7	9.0	.2	2.4	.0	.6	.0	.1	.0	.0	.0	.0	1.0	13.4	9.0
SW	.1	1.4	.4	5.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	7.3	7.0
WSW	.1	1.4	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.9	5.4
W	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.7	5.8
WNW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.7
NW	.0	.4	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.1	7.4
NNW	.0	.1	.1	1.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1	1.5	9.6
CALM	.1	1.0													.1	1.0	
TOTAL	1.2	16.1	4.9	65.3	1.0	12.7	.3	3.9	.1	1.7	.0	.3	.0	.0	7.5	100	8.3

LYH LYNCHBURG, VA

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 3 / NIGHT

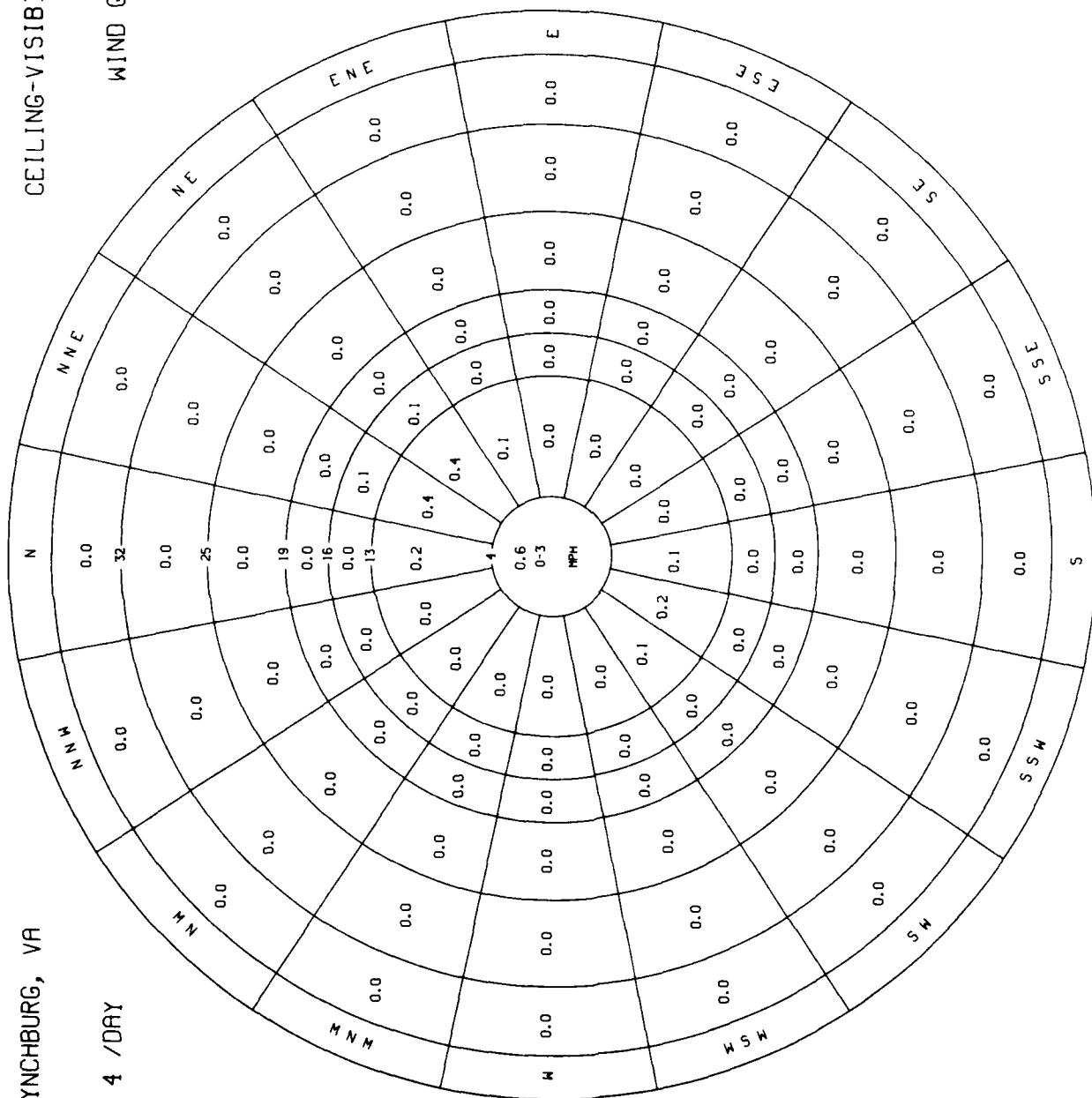
STATION NUMBER: 13733

NO. OBS.: 628

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	2.7	.5	5.9	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.7 9.4
NNE	.1	1.1	1.1	13.7	.1	1.9	.1	1.0	.0	.0	.0	.0	.0	.0	1.4 17.7
NE	.2	2.2	.9	11.9	.2	2.5	.1	1.0	.0	.3	.0	.0	.0	.0	1.4 18.0
ENE	.1	1.1	.4	4.6	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 6.8
E	.0	.6	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.1
ESE	.1	1.0	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.5
SE	.0	.3	.1	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.1
SSE	.1	1.4	.2	2.4	.0	.0	.0	.2	.0	.3	.0	.2	.0	.0	.3 4.5
S	.2	2.1	.4	5.3	.1	1.0	.1	.8	.0	.3	.0	.0	.0	.0	.7 9.4
SSW	.1	1.8	.6	7.6	.1	1.3	.1	.8	.0	.2	.0	.0	.0	.0	.9 11.6
SW	.2	2.2	.4	4.6	.0	.3	.0	.5	.0	.0	.0	.0	.0	.0	.6 7.6
WSW	.0	.6	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.4
W	.1	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.4
WNW	.0	.2	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
NW	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 .8
NNW	.1	1.1	.1	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2 2.4
CALM	.1	1.1													.1 1.1
TOTAL	1.6	21.0	5.0	64.0	.7	9.1	.4	4.6	.1	1.1	.0	.2	.0	.0	7.8 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 4 / DAY

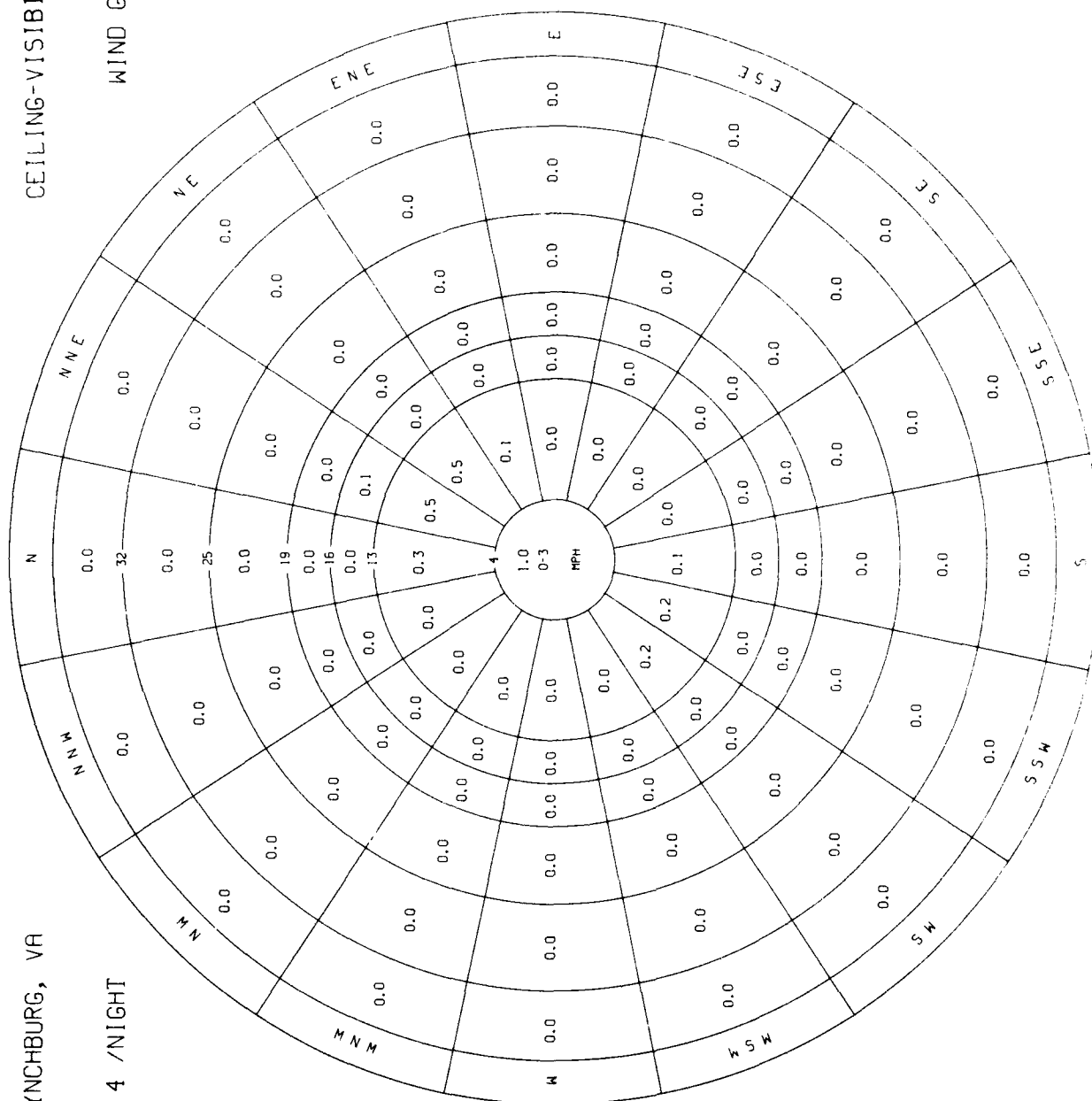
STATION NUMBER: 13733

NO. OBS.: 243

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	4.9	.2	9.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4 14.4
NNE	.1	3.7	.4	15.2	.1	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.6 23.0
NE	.1	2.1	.4	16.9	.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 21.0
ENE	.0	1.2	.1	2.9	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.1 4.9
E	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
ESE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SE	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
SSE	.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.1
S	.0	.4	.1	4.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.6
SSW	.1	2.5	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 11.5
SW	.1	2.5	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.2
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
W	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
NNW	.0	.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
CALM	.1	2.9													.1 2.9
TOTAL	.6	24.3	1.7	66.7	.2	7.4	.0	1.6	.0	.0	.0	.0	.0	.0	2.6 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 4 / NIGHT

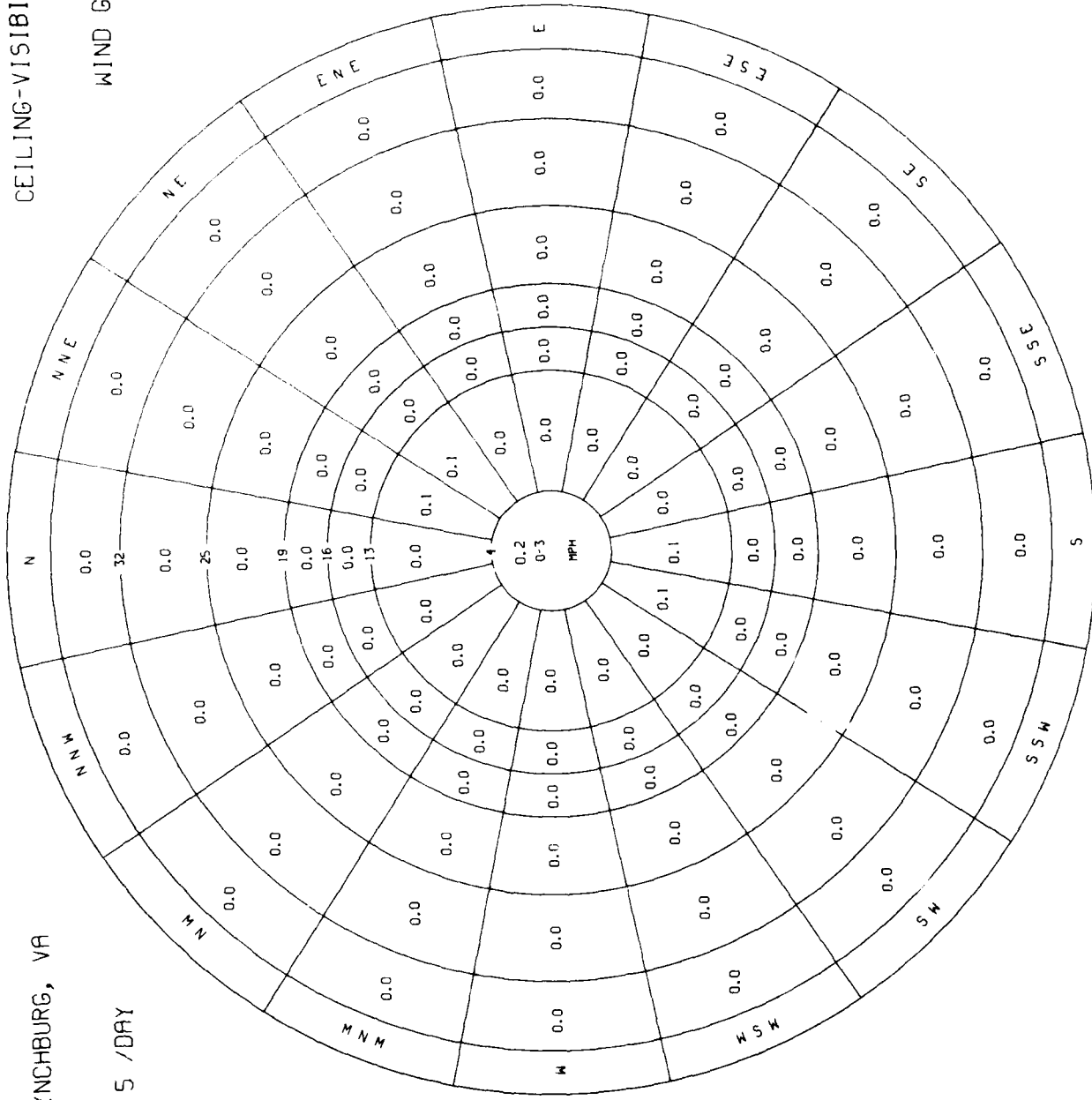
STATION NUMBER: 13733

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	
N	.1	4.5	.3	9.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.5 14.4
NNE	.1	3.0	.5	14.4	.1	2.3	.0	.4	.0	.0	.0	.0	.0	.0	.7 20.1
NE	.1	4.2	.5	14.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 19.7
ENE	.0	1.1	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.9
E	.0	1.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
ESE	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
SE	.1	1.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
SSE	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
S	.1	3.8	.1	3.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.6
SSW	.0	.8	.2	7.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3 8.3
SW	.1	3.8	.2	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 8.7
WSW	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
W	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.9
WNW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
NW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .4
NNW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.0
CALM	.0	.8													.0 .8
TOTAL	1.0	29.9	2.1	64.4	.2	5.3	.0	.4	.0	.0	.0	.0	.0	.0	3.3 100
															6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 5 / DAY

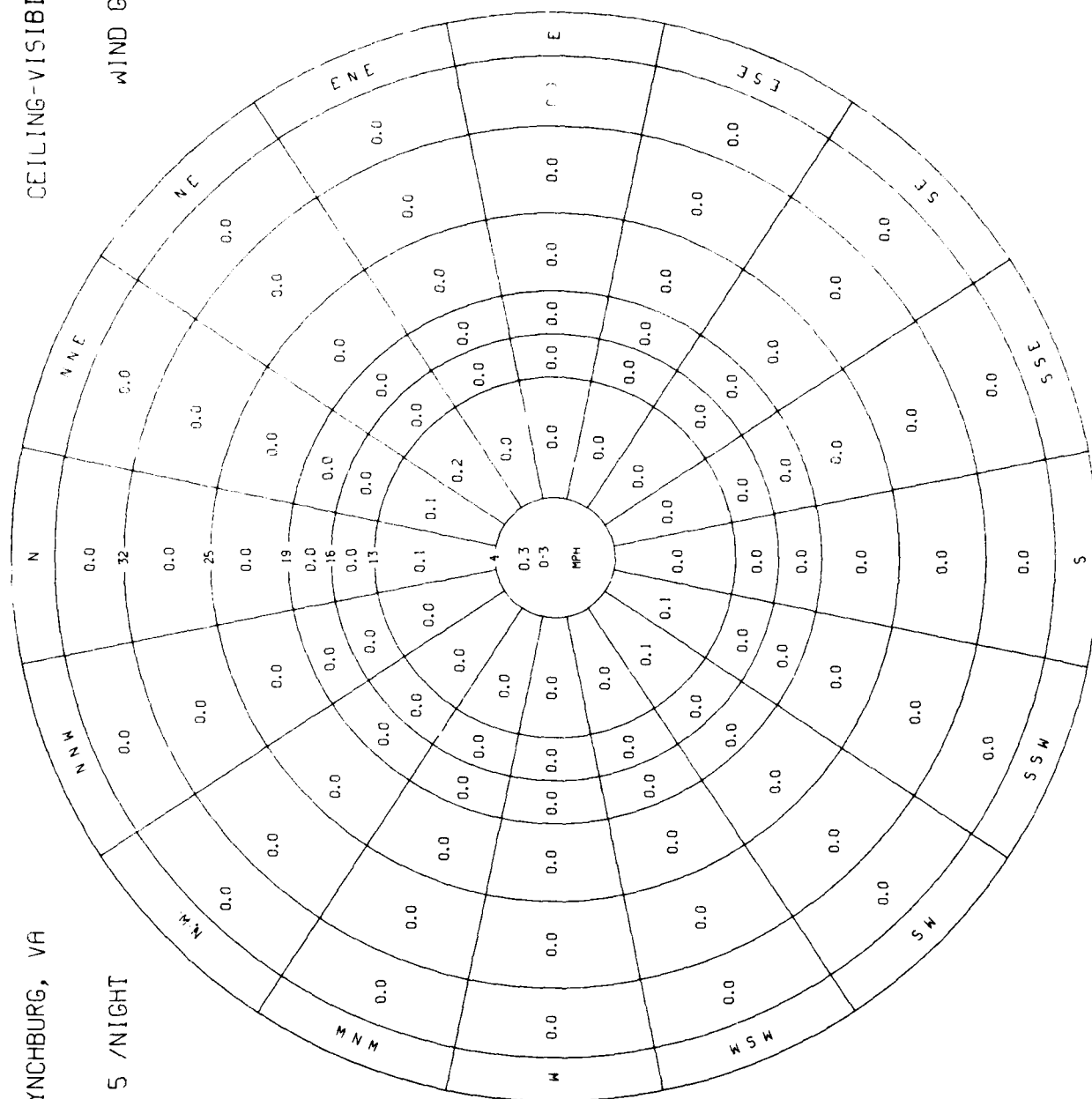
STATION NUMBER: 13733

NO. OBS.: 63

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.0	4.8	.0	6.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.7	7.0
NNE	.0	6.3	.1	11.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	19.0	7.4
NE	.0	3.2	.1	12.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	17.5	6.9
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	8.0
ESE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
SE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.0
SSE	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.0
S	.0	3.2	.1	12.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	15.9	6.3
SSW	.0	3.2	.1	7.9	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.7	6.9
SW	.0	1.6	.0	4.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.9	8.4
WSW	.0	1.6	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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	1.6	5.0
CALM	.0	.0														.0	.0	
TOTAL	.2	23.8	.5	68.3	.1	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	100	6.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 5 / NIGHT

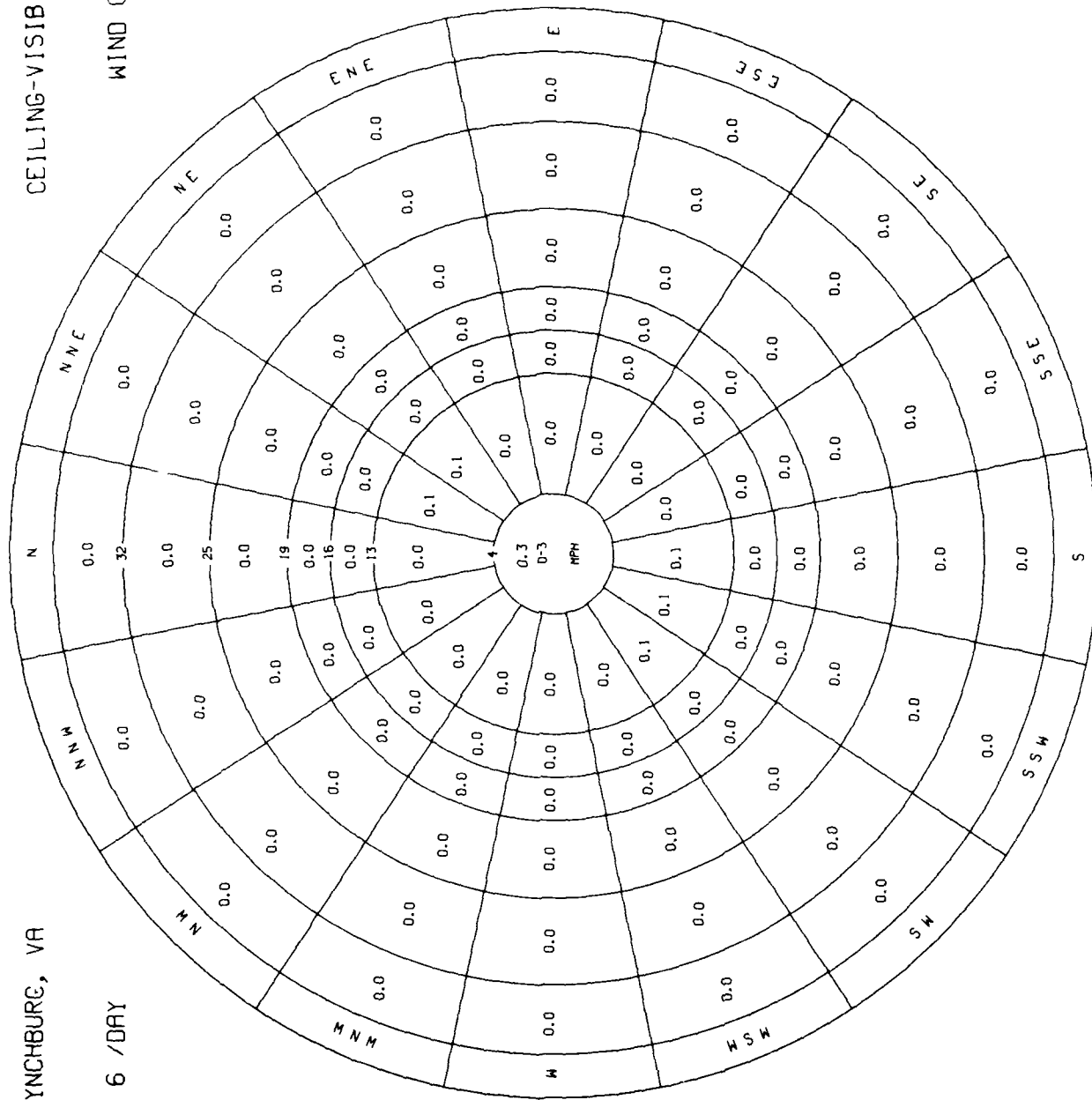
STATION NUMBER: 13733

NO. OBS.: 86

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	5.8	.1	5.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 12.8
NNE	.0	4.7	.1	9.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.2 15.1
NE	.0	1.2	.2	15.1	.0	2.3	.0	.0	.0	1.2	.0	.0	.0	.0	.2 19.8
ENE	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
E	.0	2.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.5
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
SSE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
S	.0	3.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.8
SSW	.0	4.7	.1	14.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.2 19.8
SW	.0	3.5	.1	7.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.6
WSW	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
NNW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
CALM	.0	2.3													.0 2.3
TOTAL	.3	32.6	.6	59.3	.1	5.8	.0	1.2	.0	1.2	.0	.0	.0	.0	1.1 100
															6.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 6 / DAY

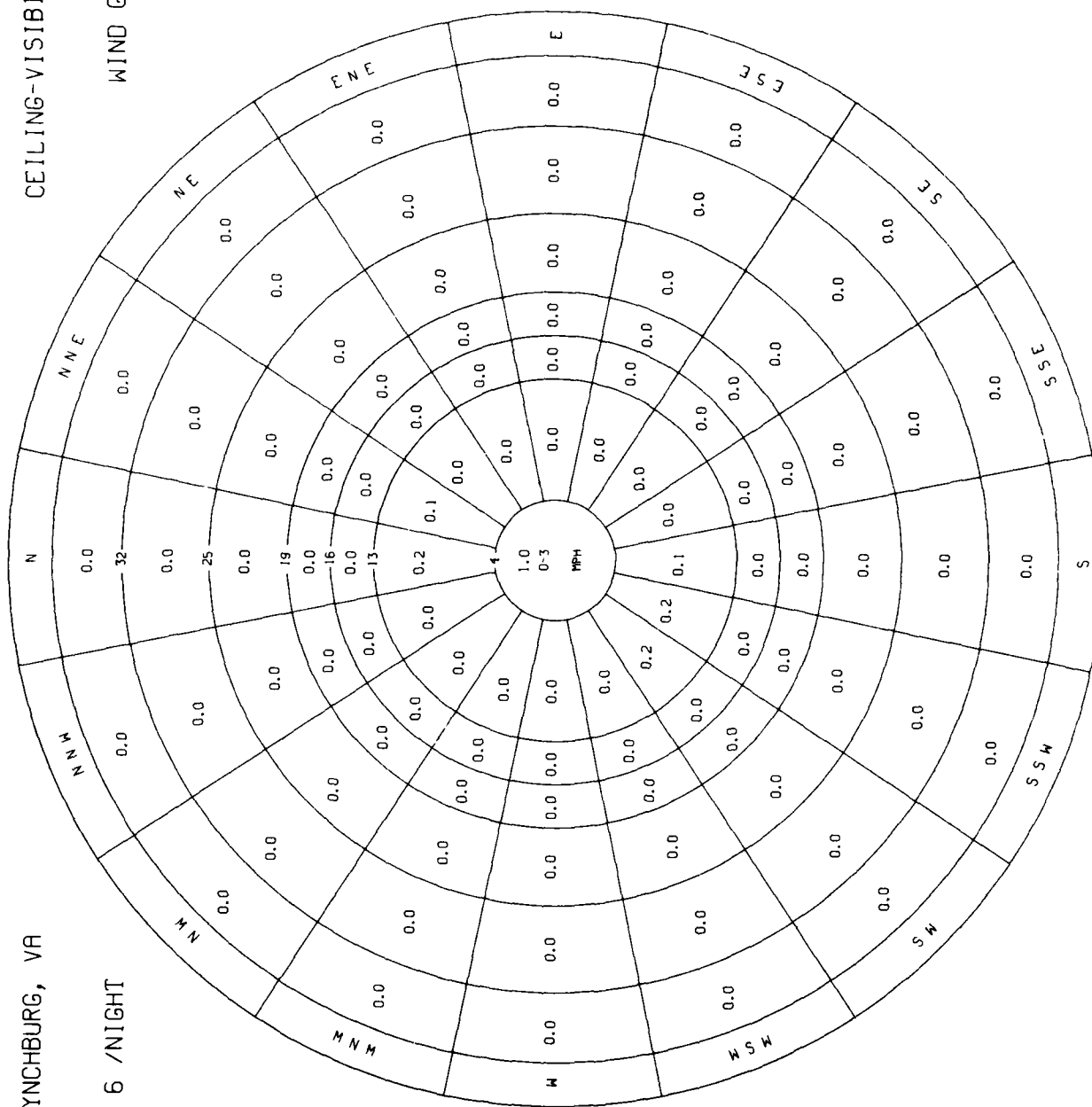
STATION NUMBER: 13733

NO. OBS.: 85

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		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	.0	4.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.4	5.4
NNE	.0	2.4	.1	16.5	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.2	20.0	7.6
NE	.0	4.7	.1	8.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.9	5.0
ENE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.0
SSE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.5
S	.0	3.5	.1	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.9	5.3
SSW	.0	3.5	.1	12.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.5	6.4
SW	.0	4.7	.1	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.6	4.9
WSW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.0
W	.0	2.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.3
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	5.9														.1	5.9	
TOTAL	.3	34.1	.6	63.5	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.9	100	5.4

LYH LYNCHBURG, VA

CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LYH LYNCHBURG, VA

PERIOD: 1948-1953

CLASS 6 / NIGHT

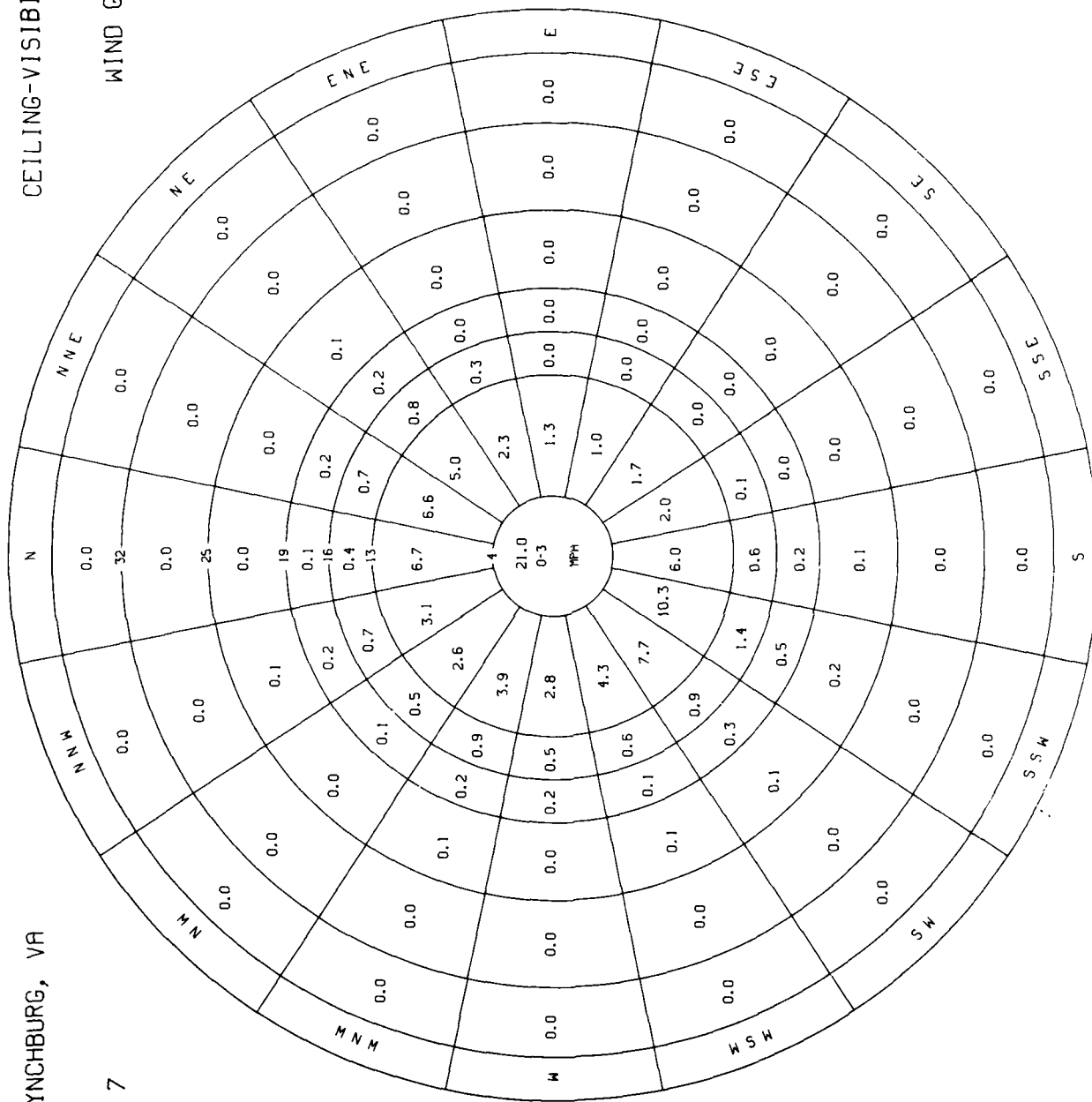
STATION NUMBER: 13733

NO. OBS.: 164

D I R	SPEED GROUPS (MPH)													AVG WIND SPEED	
	0-3		4-12		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	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 15.9
NNE	.0	2.4	.1	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.9
NE	.0	2.4	.0	2.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.5
ENE	.0	1.2	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.0
E	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
ESE	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
SE	.0	.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
SSE	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.9
S	.1	5.5	.1	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 12.8
SSW	.1	7.3	.2	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 18.3
SW	.1	6.7	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 15.9
WSW	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.4
W	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
WNW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
NW	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
NNW	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
CALM	.1	3.7													.1 3.7
TOTAL	1.0	47.6	1.0	51.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	2.0 100
															4.6

WIND GRAPH

CLASS 7

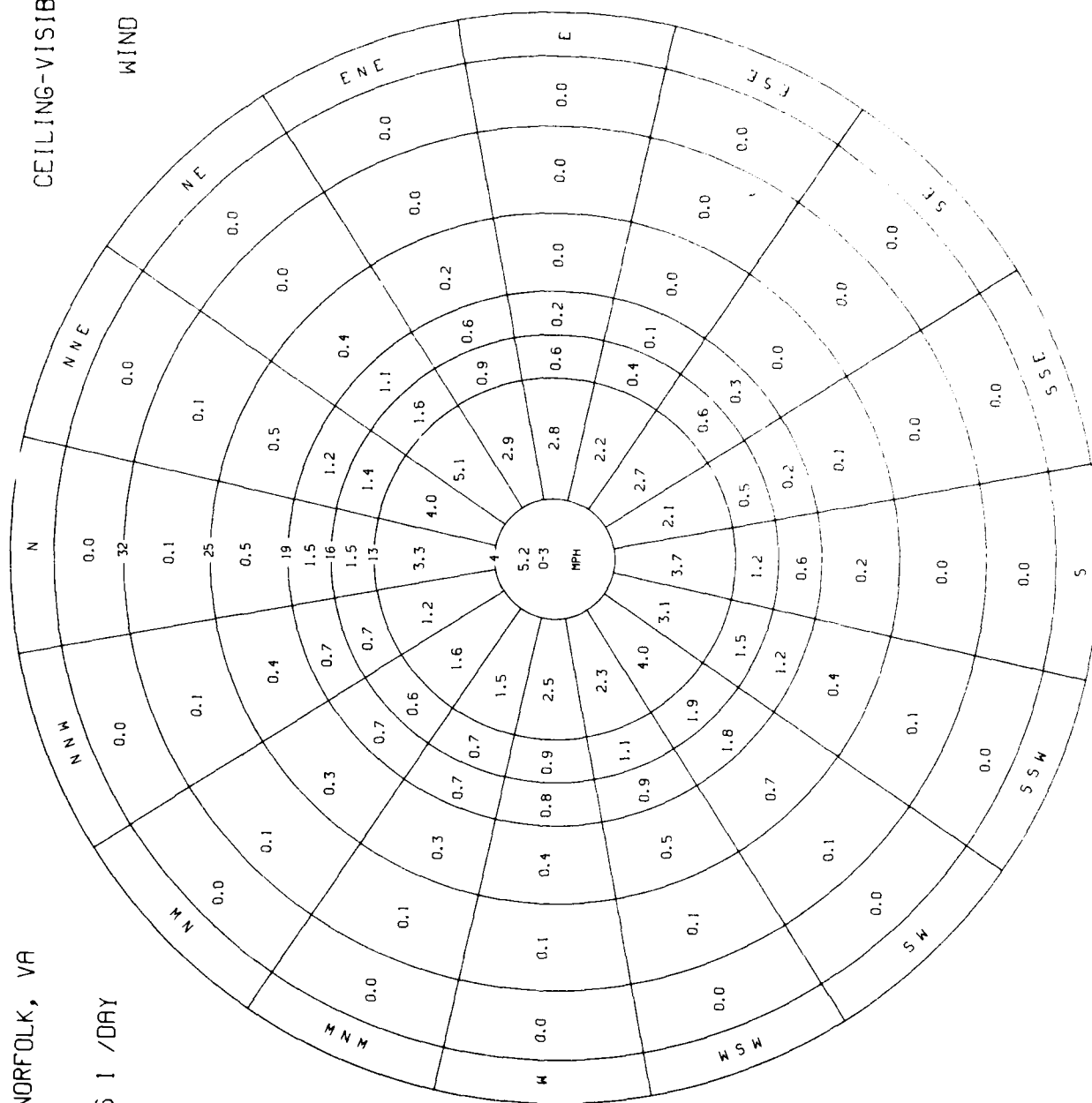


ORF NORFOLK, VA

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 1 / DAY

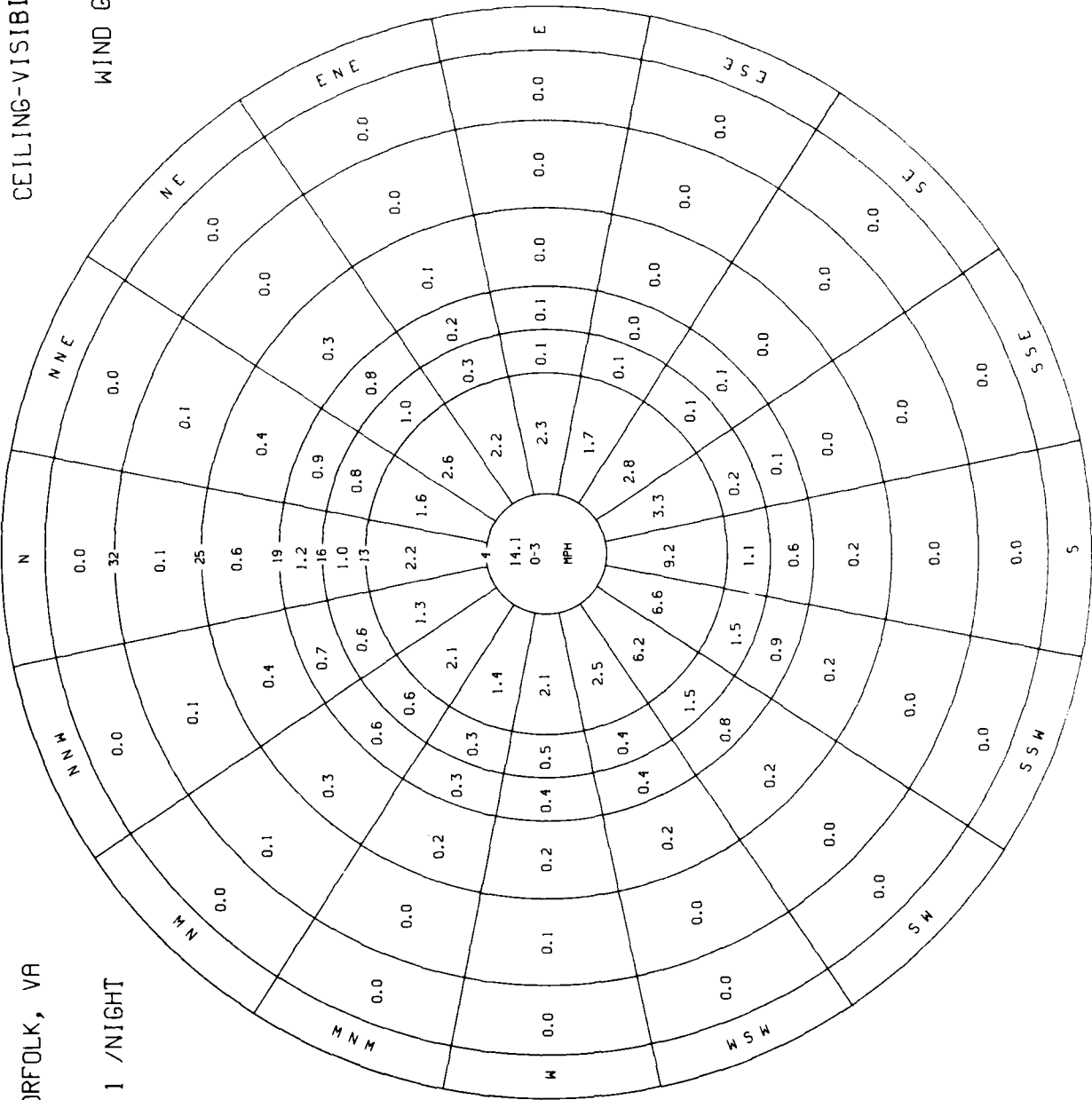
STATION NUMBER: 13737

NO. OBS.: 42689

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		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	3.3	3.9	1.5	1.8	1.5	1.7	.5	.6	.1	.1	.0	.0	7.2	8.4	12.5
NNE	.2	.3	4.0	4.7	1.4	1.7	1.2	1.4	.5	.5	.1	.1	.0	.0	7.5	8.8	11.8
NE	.4	.5	5.1	6.0	1.6	1.9	1.1	1.3	.4	.5	.0	.1	.0	.0	8.7	10.2	11.2
ENE	.3	.3	2.9	3.4	.9	1.1	.6	.7	.2	.2	.0	.0	.0	.0	4.9	5.7	10.8
E	.4	.5	2.8	3.3	.6	.7	.2	.3	.0	.0	.0	.0	.0	.0	4.0	4.7	9.2
ESE	.3	.4	2.2	2.5	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.1	3.6	9.0
SE	.3	.3	2.7	3.2	.6	.6	.3	.3	.0	.0	.0	.0	.0	.0	3.9	4.6	9.5
SSE	.2	.3	2.1	2.5	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	3.1	3.6	9.7
S	.3	.4	3.7	4.4	1.2	1.4	.6	.8	.2	.3	.0	.1	.0	.0	6.2	7.3	10.8
SSW	.2	.3	3.1	3.7	1.5	1.7	1.2	1.4	.4	.5	.1	.1	.0	.0	6.6	7.7	12.3
SW	.4	.4	4.0	4.6	1.9	2.3	1.8	2.1	.7	.9	.1	.2	.0	.0	8.9	10.5	12.7
WSW	.2	.3	2.3	2.7	1.1	1.3	.9	1.1	.5	.6	.1	.1	.0	.0	5.3	6.2	12.7
W	.3	.3	2.5	3.0	.9	1.0	.8	1.0	.4	.5	.1	.1	.0	.0	5.0	5.9	12.2
WNW	.2	.2	1.5	1.8	.7	.8	.7	.8	.3	.4	.1	.1	.0	.0	3.5	4.1	12.7
NW	.3	.3	1.6	1.9	.6	.7	.7	.8	.3	.4	.1	.1	.0	.0	3.7	4.3	12.4
NNW	.1	.1	1.2	1.4	.7	.9	.7	.8	.4	.4	.1	.1	.0	.0	3.1	3.7	13.4
CALM	.7	.8													.7	.8	
TOTAL	5.2	6.1	45.1	52.9	16.2	19.0	12.8	15.0	5.1	6.0	.9	1.0	.1	.1	85.3	100	11.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 13737

NO. OBS.: 35004

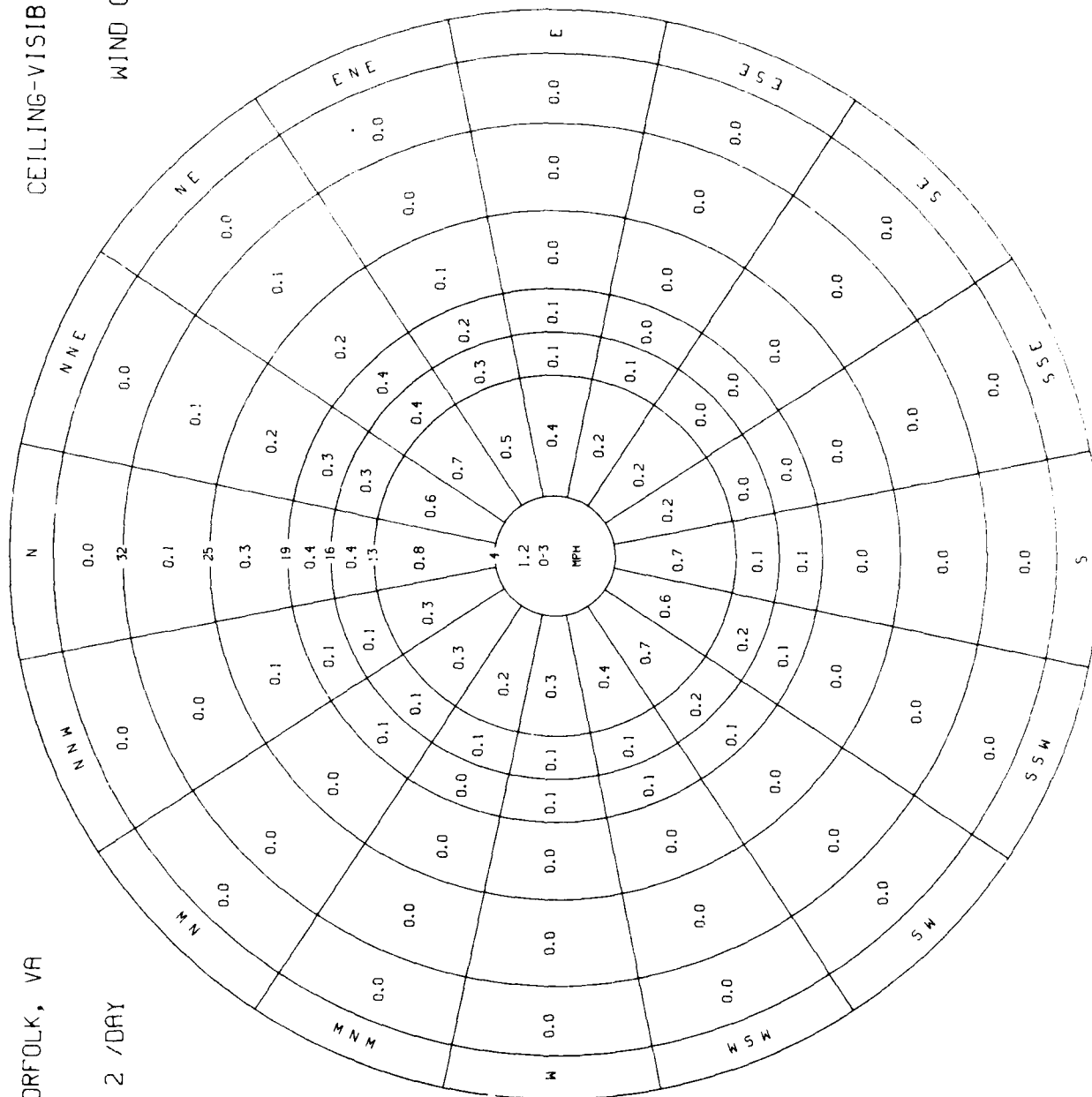
D I R	SPEED GROUPS (MPH)																		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D			
N	.4	.5	2.2	2.6	1.0	1.2	1.2	1.4	.6	.7	.1	.1	.0	.0	5.5	6.4	12.7		
NNE	.2	.2	1.6	1.9	.8	1.0	.9	1.0	.4	.5	.1	.1	.0	.0	4.0	4.7	12.9		
NE	.5	.6	2.6	3.1	1.0	1.1	.8	.9	.3	.4	.0	.0	.0	.0	5.3	6.1	11.1		
ENE	.5	.6	2.2	2.5	.3	.4	.2	.3	.1	.1	.0	.0	.0	.0	3.4	3.9	8.6		
E	1.0	1.1	2.3	2.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.6	4.1	6.3		
ESE	.6	.7	1.7	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.8	6.3		
SE	1.0	1.2	2.8	3.2	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.6	6.4		
SSE	.9	1.0	3.3	3.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.5	5.2	7.2		
S	1.6	1.9	9.2	10.6	1.1	1.2	.6	.7	.2	.2	.0	.0	.0	.0	12.6	14.6	8.3		
SSW	.9	1.1	6.6	7.6	1.5	1.7	.9	1.0	.2	.2	.0	.0	.0	.0	10.1	11.8	9.6		
SW	1.2	1.3	6.2	7.2	1.5	1.7	.8	.9	.2	.3	.0	.1	.0	.0	9.9	11.4	9.5		
WSW	.6	.7	2.5	2.9	.4	.5	.4	.4	.2	.2	.0	.1	.0	.0	4.1	4.8	9.4		
W	.6	.7	2.1	2.4	.5	.6	.4	.4	.2	.2	.1	.1	.0	.0	3.8	4.5	9.7		
WNW	.3	.3	1.4	1.6	.3	.4	.3	.4	.2	.2	.0	.0	.0	.0	2.6	3.0	10.7		
NW	.5	.5	2.1	2.4	.6	.7	.6	.7	.3	.3	.1	.1	.0	.0	4.1	4.8	11.1		
NNW	.2	.3	1.3	1.5	.6	.7	.7	.8	.4	.4	.1	.1	.0	.0	3.3	3.8	12.8		
CALM	3.0	3.5													3.0	3.5			
TOTAL	14.1	16.3	50.2	58.1	10.2	11.8	8.0	9.2	3.2	3.7	.7	.8	.1	.1	86.3	100	9.2		

CEILING-VISIBILITY

WIND GRAPH

ORF NORFOLK, VA

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 2 / DAY

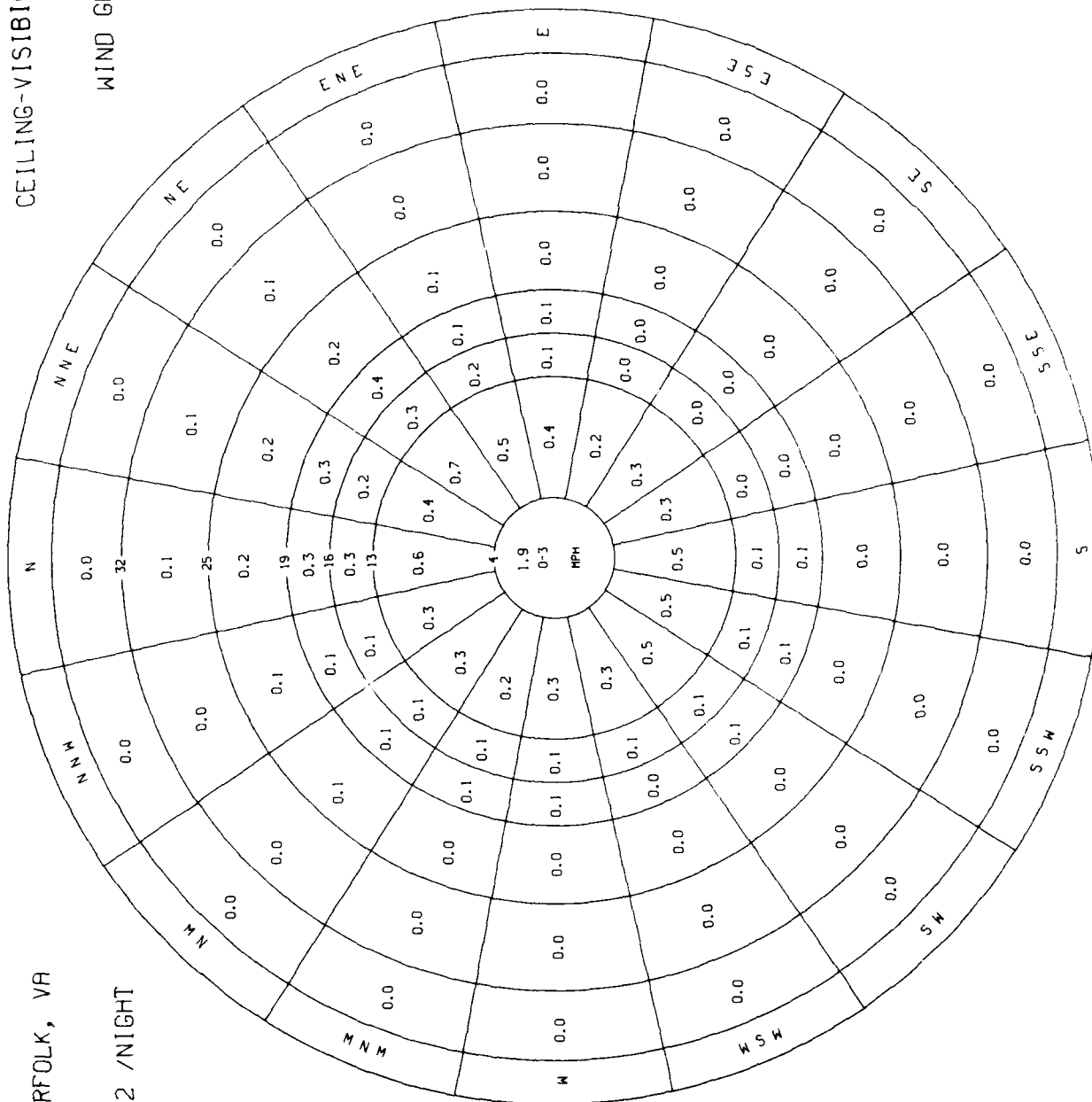
STATION NUMBER: 13737

NO. OBS.: 7344

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.4	.8	5.3	.4	2.4	.4	2.7	.3	1.9	.1	.5	.0	.0	1.9 13.2
NNE	.1	.4	.6	4.1	.3	1.8	.3	2.2	.2	1.3	.1	.6	.0	.0	1.5 10.4
NNE	.1	.4	.7	5.1	.4	2.7	.4	3.0	.2	1.4	.1	.6	.0	.1	1.9 13.2
ENE	.0	.3	.5	3.5	.3	1.8	.2	1.6	.1	.7	.0	.2	.0	.1	1.2 8.3
E	.1	.4	.4	2.5	.1	.6	.1	.5	.0	.2	.0	.0	.0	.0	.6 4.3
ESE	.0	.3	.2	1.5	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.4 2.6
SE	.1	.5	.2	1.6	.0	.3	.0	.3	.0	.2	.0	.0	.0	.0	.4 2.9
SSE	.0	.3	.2	1.6	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.4 2.7
S	.1	.7	.7	4.7	.1	.9	.1	.7	.0	.2	.0	.1	.0	.0	1.1 7.3
SSW	.1	.4	.6	4.2	.2	1.0	.1	.7	.0	.1	.0	.0	.0	.0	1.0 6.5
SW	.1	.9	.7	5.1	.2	1.2	.1	.9	.0	.2	.0	.0	.0	.0	1.2 8.3
WSW	.1	.4	.4	2.4	.1	.7	.1	.5	.0	.2	.0	.1	.0	.0	.6 4.2
W	.1	.6	.3	2.0	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.5 3.6
WNW	.0	.2	.2	1.4	.1	.4	.0	.3	.0	.2	.0	.0	.0	.0	.4 2.7
NW	.1	.4	.3	1.9	.1	.7	.1	.7	.0	.3	.0	.1	.0	.0	.6 4.1
NNW	.0	.1	.3	1.3	.1	.8	.1	.9	.1	.5	.0	.1	.0	.1	.6 4.2
CALM	.2	1.4													.2 1.4
TOTAL	1.2	8.1	7.1	48.5	2.4	16.4	2.3	15.9	1.2	8.0	.4	2.6	.1	.6	14.7 100

CEILING-VISIBILITY

WIND GRAPH



ORF NORFOLK, VA

CLASS 2 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13737

NO. OBS.: 5543

D I R	SPEED GROUPS (MPH)																					AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL							
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D						
N	.1	.9	.6	4.5	.3	2.2	.3	2.0	.2	1.7	.1	.6	.0	.2	1.6	12.1	13.8					
NNE	.1	.4	.4	3.2	.2	1.7	.3	2.2	.2	1.7	.1	.6	.0	.1	1.4	10.0	15.0					
NE	.1	.9	.7	5.2	.3	2.3	.4	2.7	.2	1.4	.1	.4	.0	.1	1.8	13.1	13.1					
ENE	.1	.5	.5	3.9	.2	1.1	.1	.9	.1	.5	.0	.3	.0	.1	1.0	7.4	11.9					
E	.1	.8	.4	2.9	.1	.4	.1	.5	.0	.2	.0	.1	.0	.0	.7	4.9	9.5					
ESE	.1	.6	.2	1.6	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.4	2.9	8.8					
SE	.1	.9	.3	2.1	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.5	3.8	8.5					
SSE	.1	.6	.3	1.9	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.4	3.2	8.6					
S	.2	1.3	.5	3.8	.1	.6	.1	.8	.0	.3	.0	.0	.0	.0	.9	6.8	9.0					
SSW	.1	.8	.5	3.3	.1	.6	.1	.4	.0	.2	.0	.0	.0	.0	.7	5.4	9.2					
SW	.1	1.1	.5	4.0	.1	1.0	.1	.5	.0	.1	.0	.1	.0	.0	.9	6.7	8.9					
WSW	.1	.5	.3	2.1	.1	.6	.0	.3	.0	.1	.0	.1	.0	.0	.5	3.6	9.8					
W	.1	.8	.3	2.2	.1	.5	.1	.4	.0	.2	.0	.0	.0	.0	.6	4.1	9.6					
WNW	.0	.4	.2	1.6	.1	.4	.1	.5	.0	.3	.0	.1	.0	.0	.4	3.3	11.4					
NW	.1	.6	.3	2.1	.1	.7	.1	.8	.1	.5	.0	.1	.0	.0	.7	4.9	11.5					
NNW	.1	.4	.3	1.9	.1	.9	.1	1.0	.1	.8	.0	.2	.0	.0	.7	5.1	13.4					
CALM	.4	2.8													.4	2.8						
TOTAL	1.9	14.2	6.4	46.5	1.9	14.0	1.9	13.7	1.2	8.4	.4	2.6	.1	.6	13.7	100	11.1					

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 3 / DAY

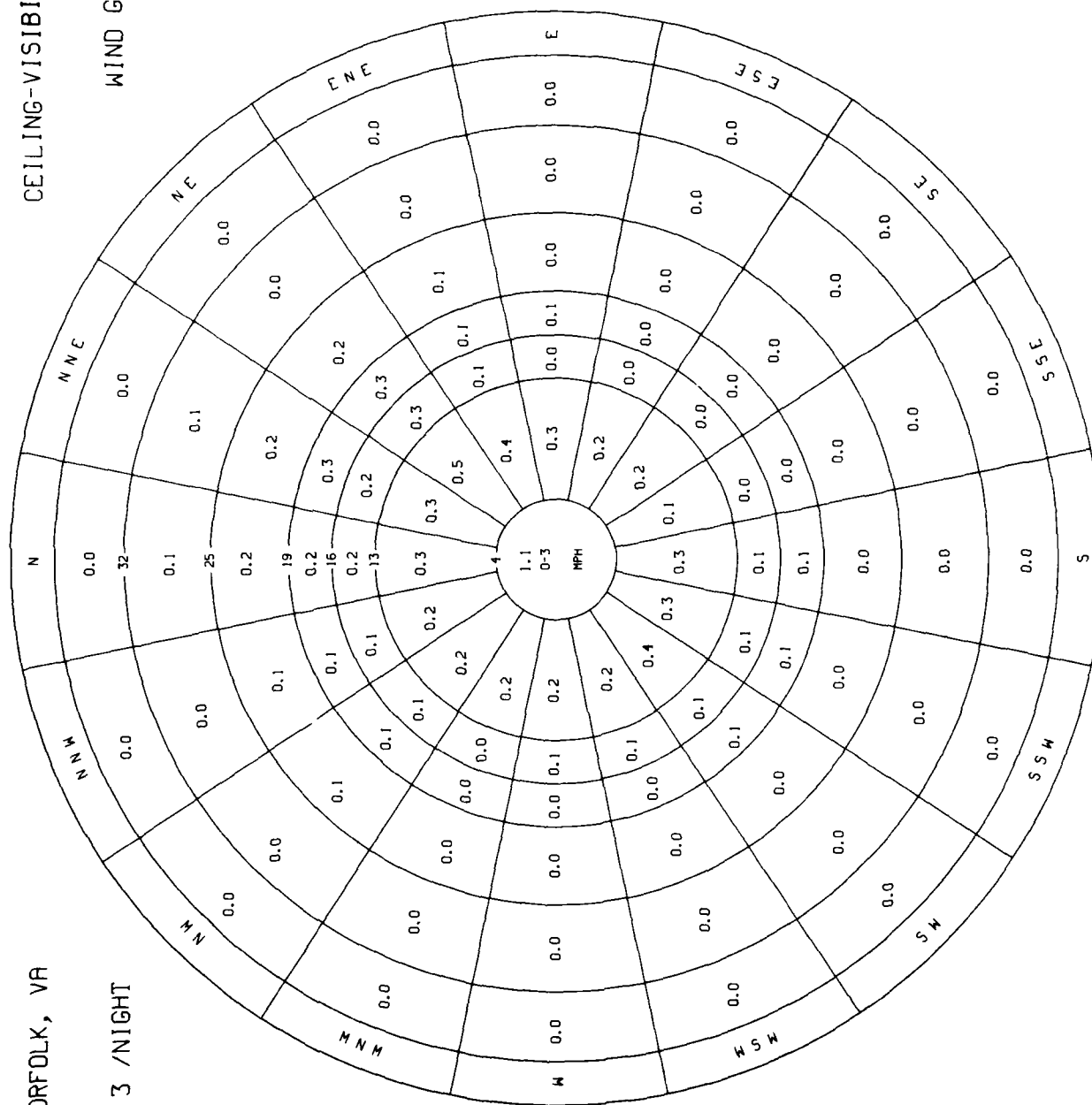
STATION NUMBER: 13737

NO. OBS.: 6076

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.5	4.4	.3	2.1	.3	2.7	.2	1.8	.1	.6	.0	.0	1.4 11.9
NNE	.0	.3	.4	3.6	.2	1.8	.3	2.3	.2	1.3	.1	.7	.0	.0	1.2 10.0
NE	.0	.3	.6	5.2	.3	2.8	.4	3.2	.2	1.5	.1	.6	.0	.1	1.7 13.8
ENE	.0	.2	.4	3.4	.2	2.0	.2	1.8	.1	.8	.0	.2	.0	.2	1.0 8.6
E	.0	.4	.3	2.7	.1	.6	.1	.6	.0	.3	.0	.0	.0	.0	.6 4.6
ESE	.0	.2	.2	1.4	.1	.4	.0	.4	.0	.2	.0	.0	.0	.0	.3 2.7
SE	.0	.3	.2	1.7	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.4 3.1
SSE	.0	.3	.2	1.6	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.3 2.6
S	.1	.6	.6	4.7	.1	1.0	.1	.8	.0	.3	.0	.1	.0	.0	.9 7.5
SSW	.0	.3	.5	4.0	.1	1.2	.1	.8	.0	.3	.0	.1	.0	.0	.8 6.6
SW	.1	.8	.6	5.0	.2	1.3	.1	1.1	.0	.2	.0	.0	.0	.0	1.0 8.5
WSW	.0	.3	.3	2.4	.1	.8	.1	.6	.0	.2	.0	.1	.0	.0	.5 4.4
W	.1	.5	.2	1.9	.1	.5	.0	.4	.0	.2	.0	.0	.0	.0	.4 3.5
WNW	.0	.2	.2	1.3	.1	.5	.0	.3	.0	.3	.0	.0	.0	.0	.3 2.7
NW	.0	.3	.2	1.9	.1	.8	.1	.7	.0	.4	.0	.1	.0	.0	.5 4.2
NNW	.0	.1	.2	1.6	.1	.8	.1	.9	.1	.6	.0	.1	.0	.1	.5 4.1
CALM	.1	1.1													.1 1.1
TOTAL	.8	6.8	5.7	46.8	2.1	17.3	2.1	17.3	1.0	8.6	.3	2.7	.1	.5	12.1 100

ORF NORFOLK, VA

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 3 / NIGHT

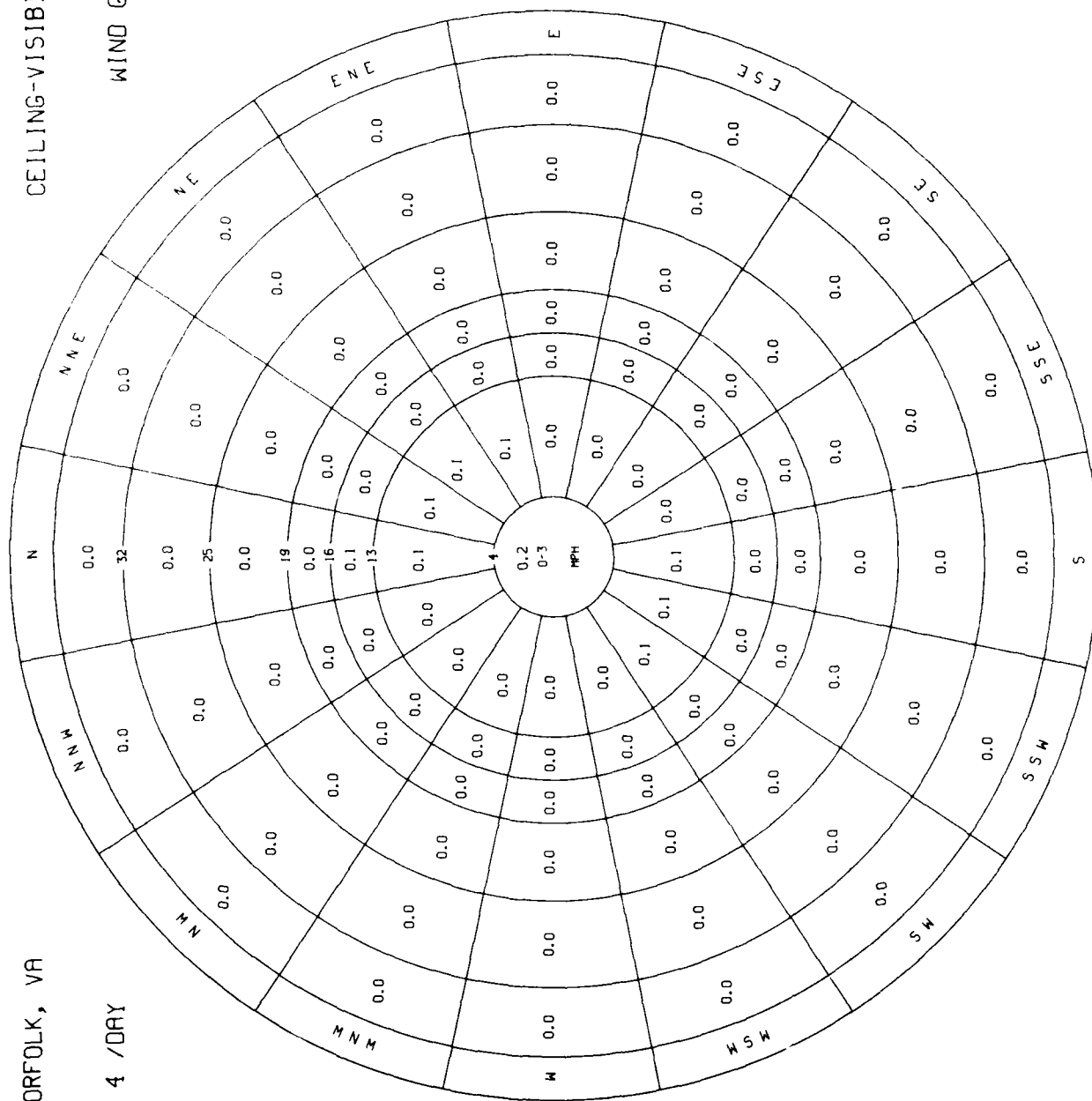
STATION NUMBER: 13737

NO. OBS.: 4039

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.7	.3	3.2	.2	2.1	.2	2.2	.2	2.0	.1	.7	.0	.1	1.1 11.0
NNE	.0	.3	.3	2.8	.2	2.0	.3	2.7	.2	2.1	.1	.8	.0	.1	1.1 10.9
NE	.1	.7	.5	5.1	.3	2.7	.3	3.2	.2	1.9	.0	.5	.0	.1	1.4 14.2
ENE	.0	.4	.4	4.0	.1	1.3	.1	1.1	.1	.6	.0	.3	.0	.1	.8 7.9
E	.1	.7	.3	3.1	.0	.5	.1	.6	.0	.3	.0	.1	.0	.0	.5 5.2
ESE	.1	.5	.2	1.6	.0	.3	.0	.2	.0	.2	.0	.0	.0	.0	.3 2.9
SE	.1	.8	.2	1.6	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.3 3.3
SSE	.0	.3	.1	1.4	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.2 2.5
S	.1	.7	.3	3.4	.1	.6	.1	1.1	.0	.3	.0	.0	.0	.0	.6 6.2
SSW	.1	.7	.3	3.2	.1	.8	.1	.5	.0	.3	.0	.0	.0	.0	.5 5.5
SW	.1	.9	.4	4.2	.1	1.2	.1	.6	.0	.2	.0	.1	.0	.0	.7 7.1
WSW	.0	.5	.2	1.9	.1	.7	.0	.4	.0	.1	.0	.1	.0	.0	.4 3.6
W	.1	.5	.2	2.2	.1	.6	.0	.4	.0	.3	.0	.0	.0	.0	.4 4.0
WNW	.0	.3	.2	1.5	.0	.4	.0	.4	.0	.4	.0	.1	.0	.0	.3 3.2
NW	.1	.6	.2	2.1	.1	.7	.1	.9	.1	.7	.0	.1	.0	.0	.5 5.1
NNW	.0	.3	.2	1.6	.1	1.0	.1	1.2	.1	.9	.0	.2	.0	.0	.5 5.3
CALM	.2	2.0													.2 2.0
TOTAL	1.1	10.9	4.3	42.8	1.6	15.6	1.6	16.4	1.0	10.4	.3	3.3	.1	.6	10.0 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 4 / DAY

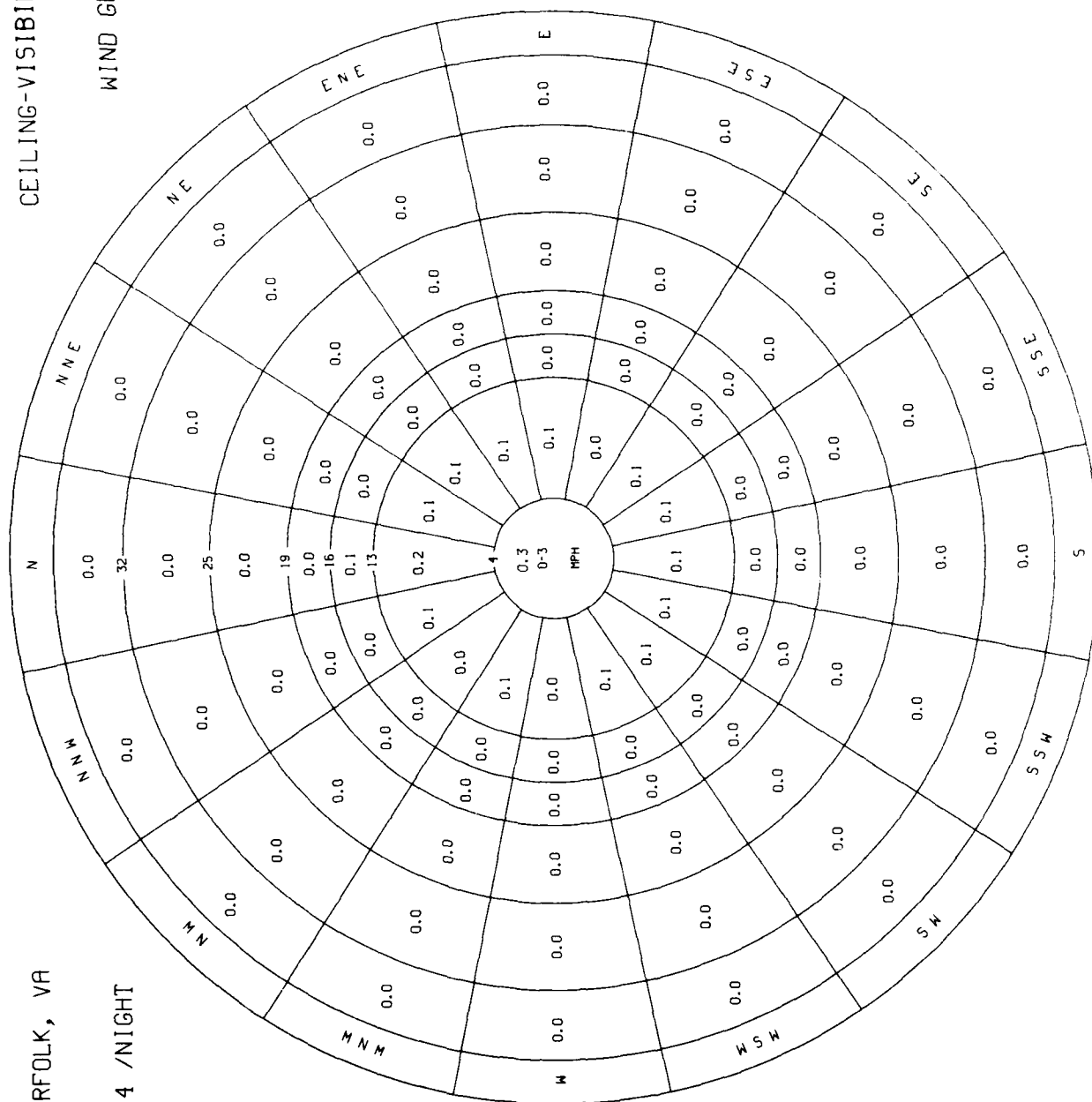
STATION NUMBER: 13737

NO. OBS.: 856

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		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	.1	8.6	.1	4.0	.0	2.7	.0	2.7	.0	.4	.0	.1	.3	19.3	13.2
NNE	.0	.6	.1	6.3	.0	2.0	.0	2.7	.0	1.4	.0	.4	.0	.0	.2	13.3	12.7
NE	.0	.2	.1	4.4	.0	2.1	.0	2.2	.0	.7	.0	.8	.0	.4	.2	10.9	14.2
ENE	.0	.5	.1	4.2	.0	1.1	.0	1.2	.0	.2	.0	.2	.0	.0	.1	7.4	11.4
E	.0	.5	.0	2.1	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.4	8.7
ESE	.0	.2	.0	1.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.2	8.2
SE	.0	1.1	.0	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.1
SSE	.0	.5	.0	1.9	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.9	8.2
S	.0	.7	.1	4.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.9	8.0
SSW	.0	.5	.1	3.9	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.1	4.9	8.1
SW	.0	1.1	.1	4.9	.0	.5	.0	.4	.0	.1	.0	.0	.0	.0	.1	6.9	8.7
WSW	.0	.6	.0	2.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.4	7.9
W	.0	.9	.0	2.5	.0	.5	.0	.0	.0	.1	.0	.1	.0	.0	.1	4.1	8.5
WNW	.0	.1	.0	1.9	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	2.8	10.3
NW	.0	.5	.0	2.6	.0	.2	.0	.5	.0	.0	.0	.1	.0	.2	.1	4.1	11.3
NNW	.0	.1	.0	2.7	.0	.7	.0	.8	.0	.6	.0	.2	.0	.0	.1	5.1	13.5
CALM	.0	1.8													.0	1.8	
TOTAL	.2	10.5	.9	55.4	.2	13.3	.2	11.8	.1	6.0	.0	2.3	.0	.7	.17	100	10.9

CEILING-VISIBILITY

WIND GRAPH



ORF NORFOLK, VA

CLASS 4 /NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 4 / NIGHT

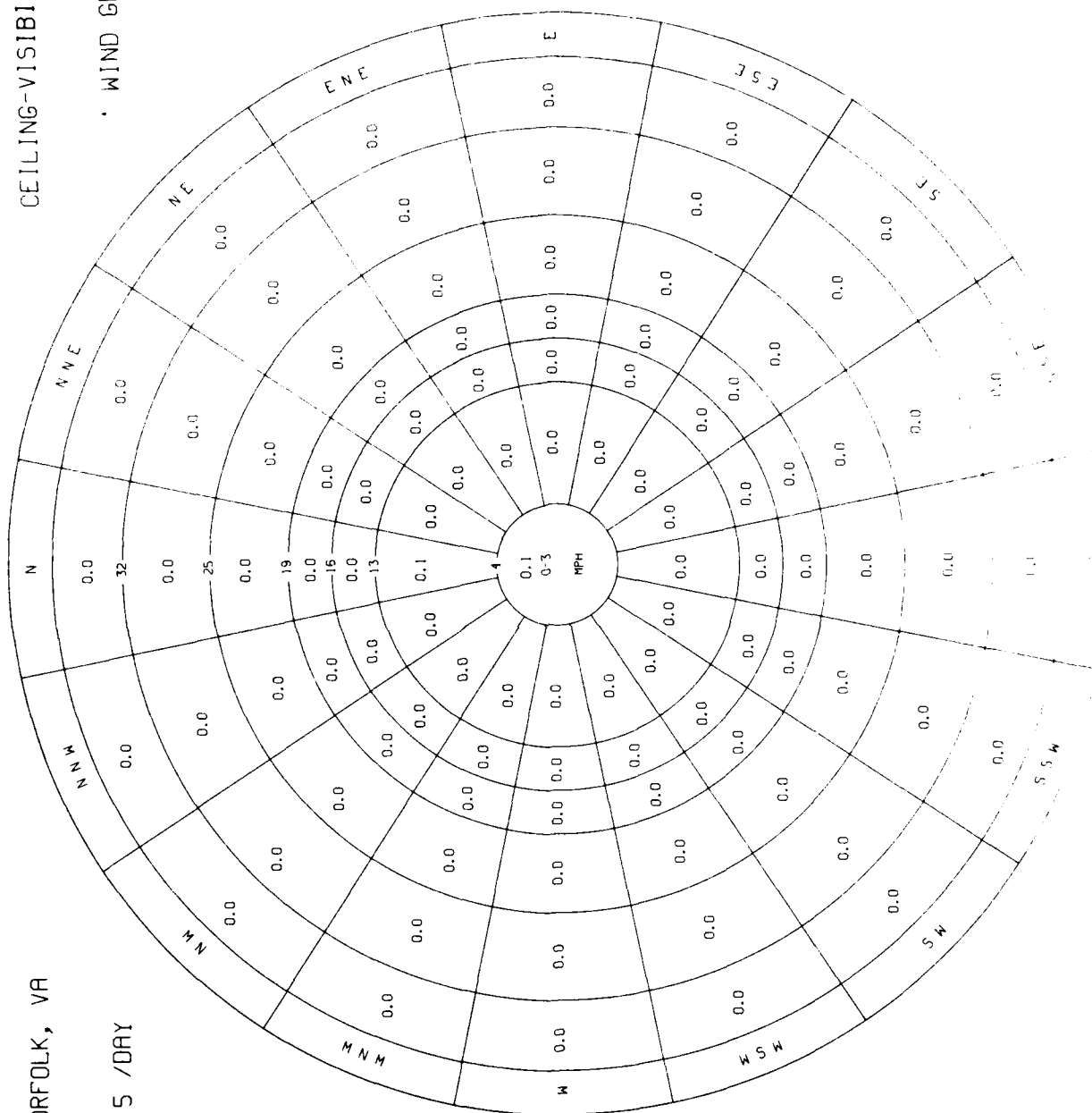
STATION NUMBER: 13737

NO. OBS.: 838

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		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	.2	9.4	.1	2.9	.0	2.1	.0	1.8	.0	.2	.0	.1	.4	17.5	11.9
NNE	.0	.5	.1	3.8	.0	1.1	.0	1.1	.0	.8	.0	.2	.0	.0	.2	7.5	12.0
NE	.0	.5	.1	6.0	.0	1.6	.0	1.8	.0	.6	.0	.2	.0	.0	.2	10.6	11.3
ENE	.0	.6	.1	4.2	.0	.7	.0	.6	.0	.5	.0	.2	.0	.2	.1	7.0	11.5
E	.0	1.1	.1	3.0	.0	.4	.0	.5	.0	.1	.0	.1	.0	.0	.1	5.1	8.4
ESE	.0	.4	.0	1.8	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.9	9.0
SE	.0	.4	.1	3.2	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	3.8	8.4
SSE	.0	1.0	.1	2.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.1	7.4
S	.0	1.4	.1	4.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	6.6	7.6
SSW	.0	1.0	.1	3.0	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.1	4.4	7.1
SW	.0	1.2	.1	3.0	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.9	6.9
WSW	.0	.6	.1	2.7	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.2	8.6
W	.0	.8	.0	2.4	.0	.6	.0	.2	.0	.2	.0	.0	.0	.0	.1	4.3	9.3
WNW	.0	.6	.1	2.5	.0	.6	.0	.8	.0	.0	.0	.0	.0	.0	.1	4.5	9.8
NW	.0	.5	.0	2.4	.0	1.2	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.5	9.8
NNW	.0	.2	.1	3.5	.0	.8	.0	.4	.0	.6	.0	.2	.0	.0	.1	5.7	12.2
CALM	.0	2.3													.0	2.3	
TOTAL	.3	13.8	1.2	57.9	.3	12.5	.2	9.1	.1	5.0	.0	1.3	.0	.4	.2	100	9.8

ORF NORFOLK, VA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA.

PERIOD: 1948-1978

CLASS 5 / DAY

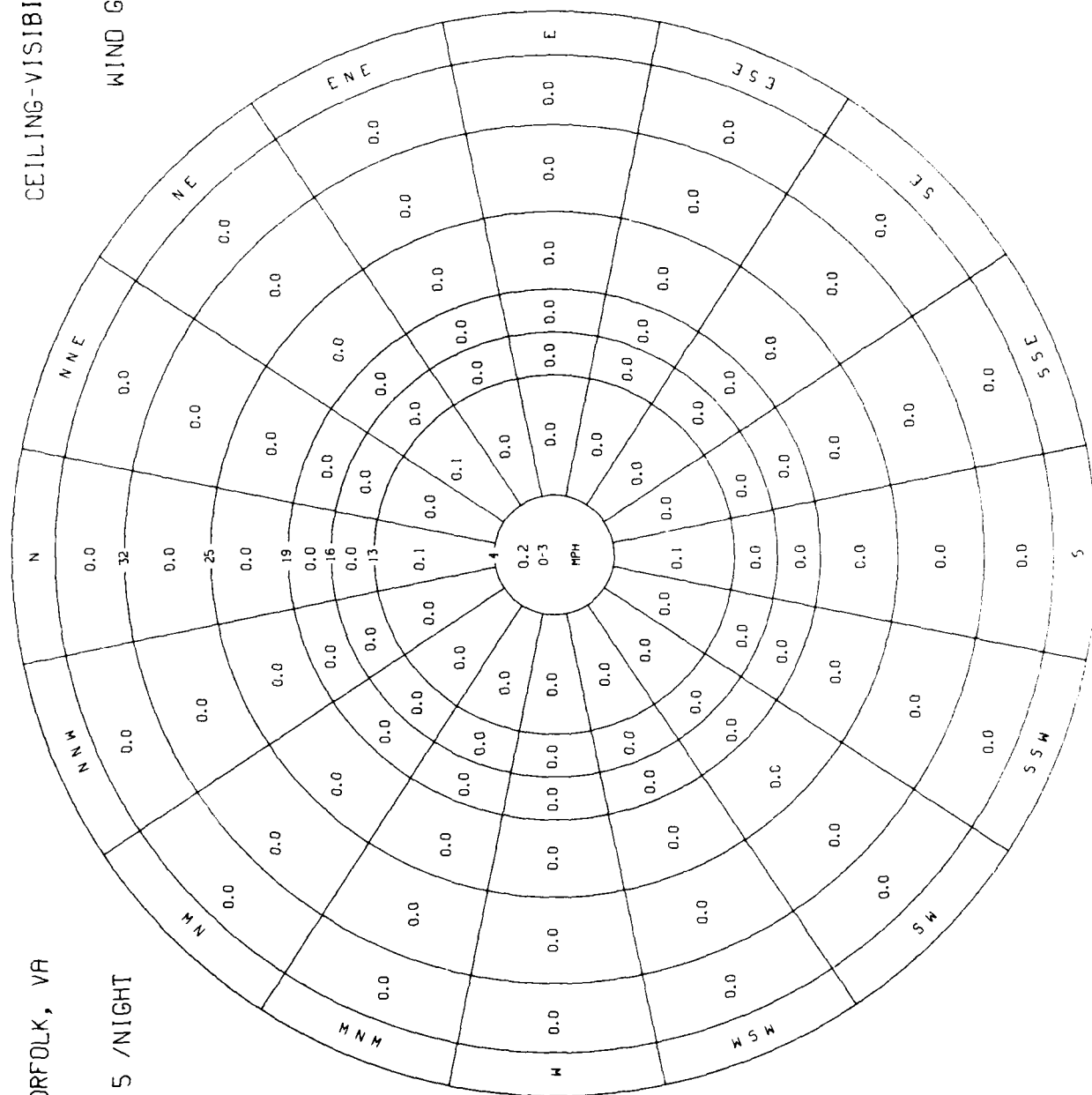
STATION NUMBER: 13737

NO. OBS.: 216

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.1	13.0	.0	4.2	.0	2.3	.0	1.4	.0	.5	.0	.5	.1 21.8
NNE	.0	1.9	.0	7.9	.0	1.9	.0	.5	.0	1.4	.0	.0	.0	.0	.1 13.4
NE	.0	1.9	.0	7.4	.0	1.9	.0	1.9	.0	1.9	.0	.0	.0	.0	.1 14.8
ENE	.0	.5	.0	4.2	.0	.5	.0	.0	.0	.9	.0	.0	.0	.0	.0 6.0
E	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
ESE	.0	.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
SE	.0	.9	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SSE	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
S	.0	.5	.0	4.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
SSW	.0	1.4	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
SW	.0	.9	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.5
WSW	.0	.9	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
W	.0	.5	.0	2.3	.0	.5	.0	.5	.0	.5	.0	.0	.0	.0	.0 4.2
WNW	.0	.5	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NW	.0	.5	.0	1.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0 2.8
NNW	.0	.0	.0	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
CALM	.0	2.3													.0 2.3
TOTAL	.1	14.4	.3	60.6	.1	12.0	.0	6.0	.0	6.0	.0	.5	.0	.5	.4 100
															9.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 5 / NIGHT

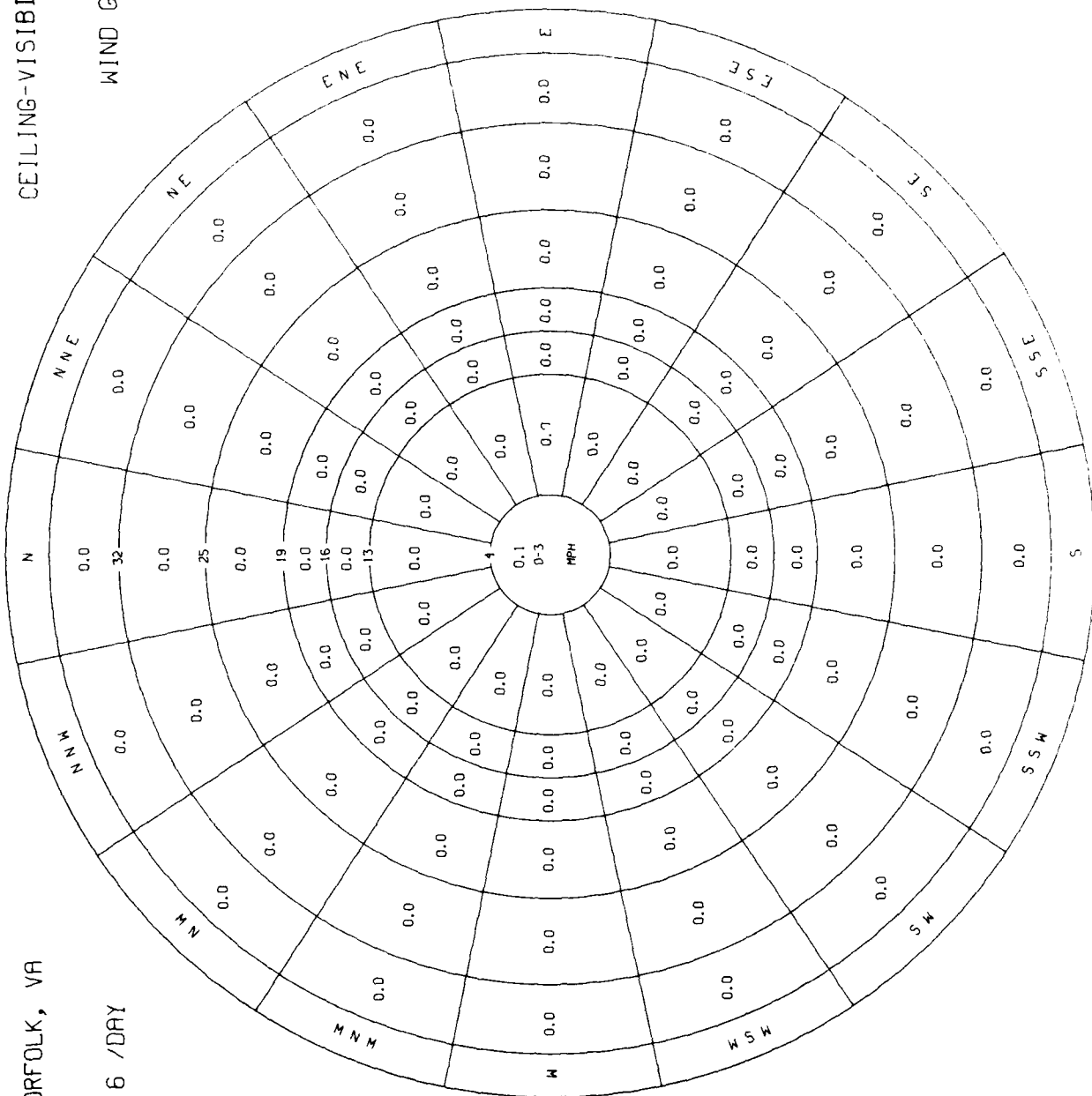
STATION NUMBER: 13737

NO. OBS.: 342

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		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	1.5	.1	8.5	.0	3.2	.0	.9	.0	.3	.0	.6	.0	.3	.1	15.2	11.1
NNE	.0	.3	.0	5.6	.0	.6	.0	1.2	.0	.3	.0	.3	.0	.3	.1	8.5	11.7
NE	.0	1.2	.1	6.1	.0	1.8	.0	1.2	.0	.0	.0	.0	.0	.0	.1	10.2	9.2
ENE	.0	.6	.0	3.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.7	8.1
E	.0	1.5	.0	1.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.2	5.7
ESE	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.2
SE	.0	1.8	.0	3.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.4
SSE	.0	2.0	.0	3.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.9
S	.0	2.3	.1	7.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.5	6.7
SSW	.0	.9	.0	4.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	6.4
SW	.0	1.2	.0	3.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.4
WSW	.0	.0	.0	2.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	9.1
W	.0	2.3	.0	3.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.3
WNW	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.9	8.0
NW	.0	.3	.0	2.6	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.8	8.2
NNW	.0	.3	.0	1.2	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.3	11.1
CALM	.0	5.6													.0	5.6	
TOTAL	.2	23.7	.5	59.6	.1	9.6	.0	4.4	.0	1.2	.0	.9	.0	.6	.8	100	7.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 6 / DAY

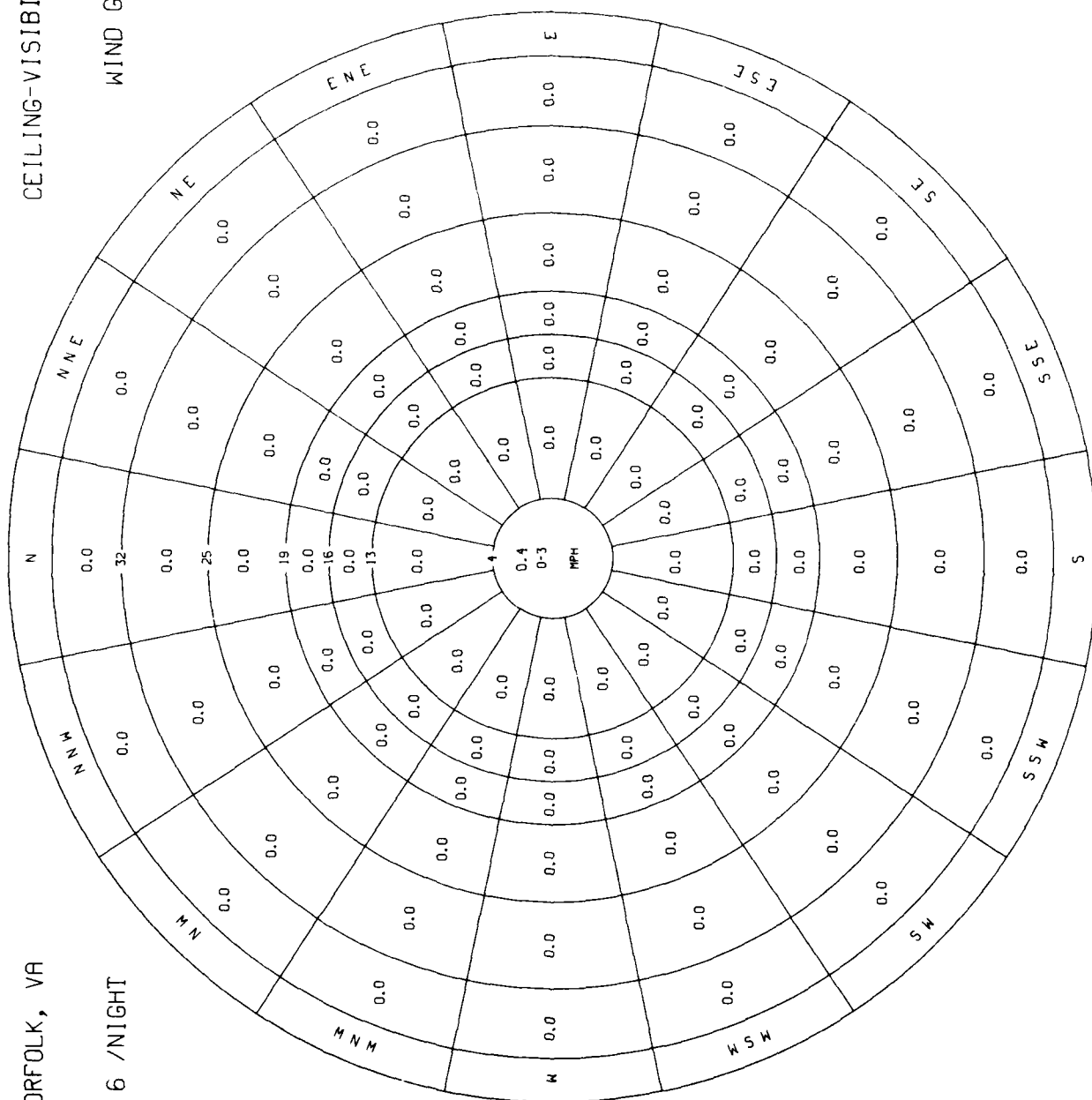
STATION NUMBER: 13737

NO. OBS.: 196

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		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	10.7	.0	1.5	.0	1.5	.0	.0	.0	1.0	.0	.0	.0	.1	15.3	10.3
NNE	.0	.0	.0	5.1	.0	1.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	7.1	11.6
NE	.0	.5	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.2
ENE	.0	2.6	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	5.8
E	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.2
ESE	.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
SE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.5
SSE	.0	1.5	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.7
S	.0	4.1	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.2	5.0
SSW	.0	2.0	.0	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2	5.9
SW	.0	3.1	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	9.7	6.7
WSW	.0	1.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.9
W	.0	2.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	3.5
WNW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.0
NW	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	3.2
NNW	.0	.5	.0	2.6	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	4.6	9.0
CALM	.0	6.1														.0	6.1	
TOTAL	.1	30.6	.2	60.2	.0	4.6	.0	2.0	.0	.5	.0	1.5	.0	.5	.0	.5	41.00	6.6

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ORF NORFOLK, VA

PERIOD: 1948-1978

CLASS 6 / NIGHT

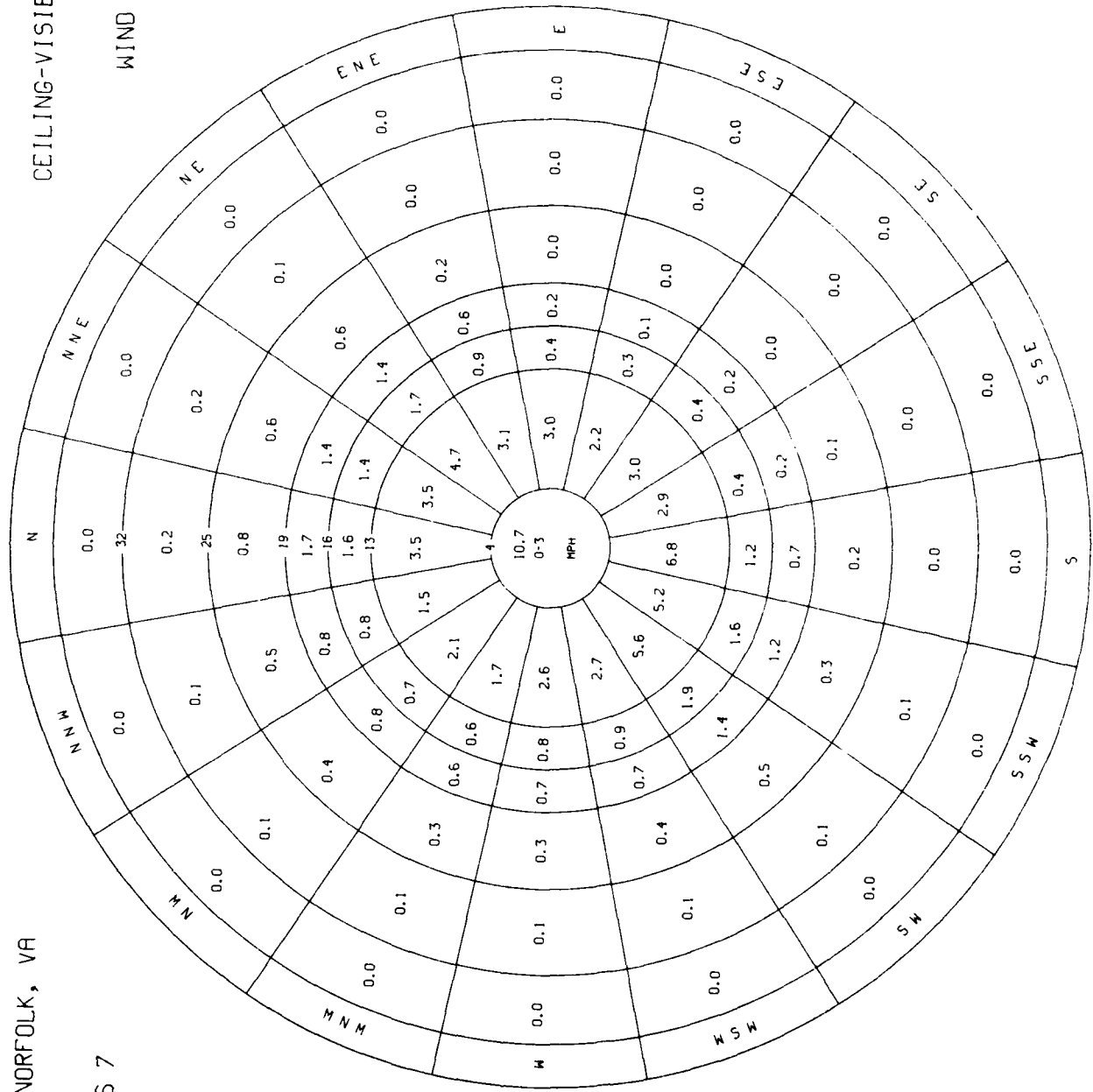
STATION NUMBER: 13737

NO. OBS.: 324

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.0	3.4	.0	.3	.0	.6	.0	.0	.0	.0	.0	.3	.1 7.1
NNE	.0	1.2	.0	4.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.5
NE	.0	3.4	.0	4.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 8.3
ENE	.0	1.5	.0	3.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
E	.0	.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.5
ESE	.0	2.2	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 3.7
SE	.0	2.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.1
SSE	.0	2.2	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.1
S	.1	7.1	.0	3.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.4
SSW	.0	2.2	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.8
SW	.0	3.1	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.0
WSW	.0	.3	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
W	.0	1.5	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 3.1
WNW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .9
NW	.0	2.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
NNW	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
CALM	.1	11.7													.1 11.7
TOTAL	.4	46.3	.4	49.1	.0	2.8	.0	1.5	.0	.0	.0	.0	.0	.3	.8 100

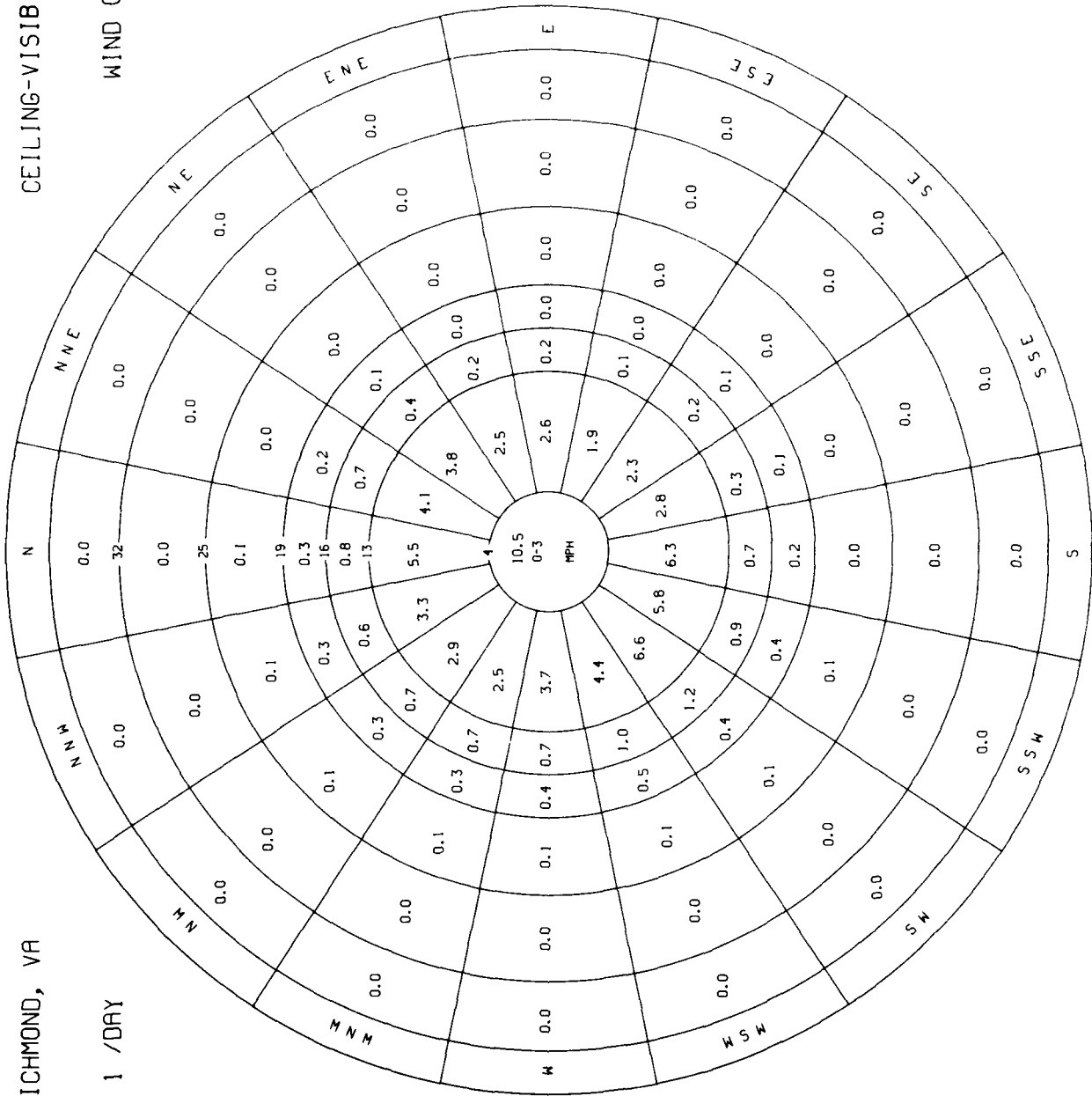
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



704

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13740

NO. OBS.: 42727

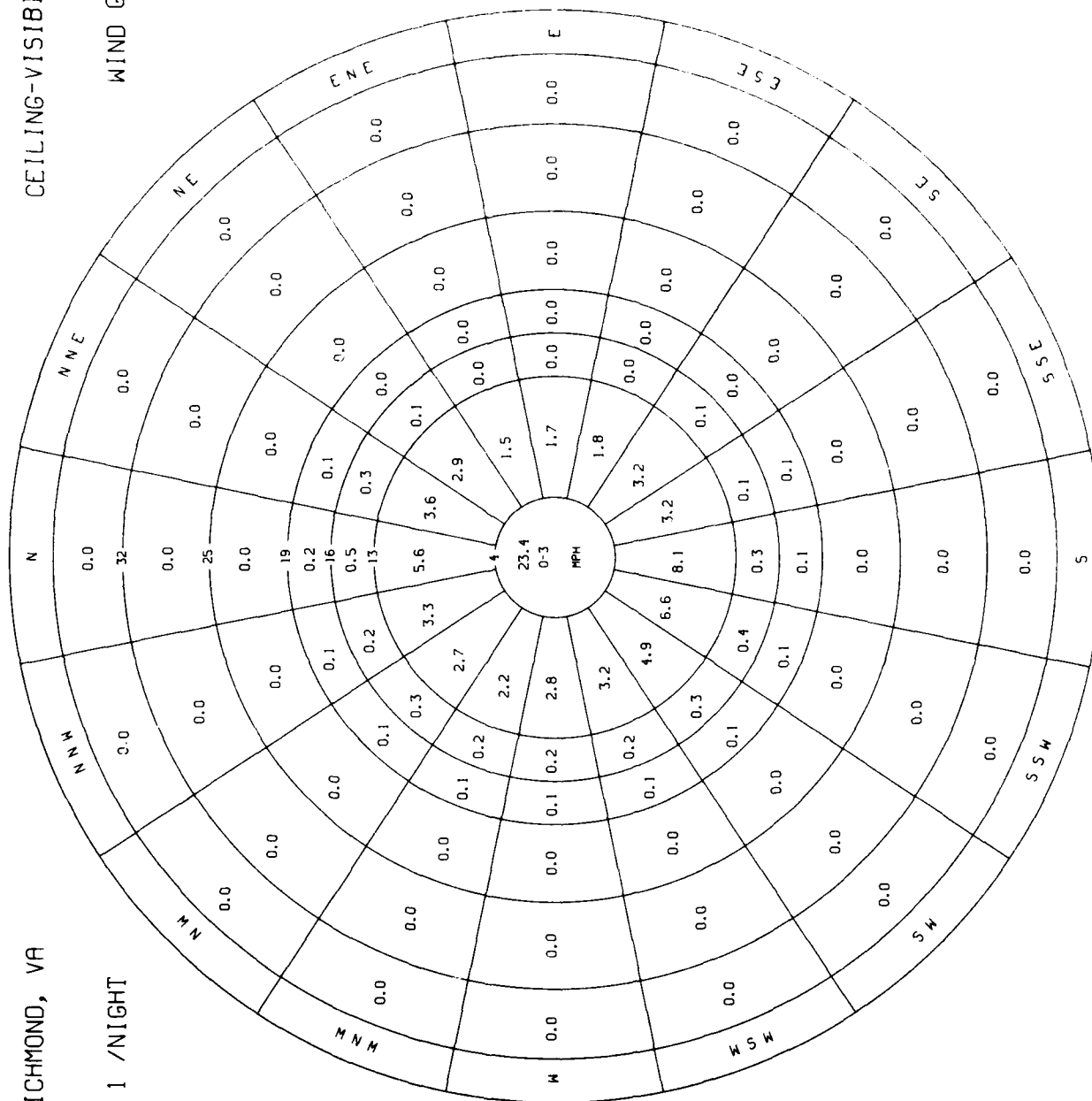
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.7	.8	5.5	6.4	.8	1.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	7.4	8.7	8.7
NNE	.4	.5	4.1	4.8	.7	.8	.2	.2	.0	.0	.0	.0	.0	.0	.0	5.5	6.5	8.9
NE	.5	.6	3.8	4.5	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	4.8	5.7	8.1
ENE	.4	.5	2.5	2.9	.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.2	3.8	7.7
E	.5	.6	2.6	3.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.8	7.3
ESE	.4	.5	1.9	2.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.9	7.4
SE	.5	.6	2.3	2.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.1	3.6	7.5
SSE	.4	.5	2.8	3.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	3.7	4.3	7.9
S	.9	1.1	6.3	7.4	.7	.8	.2	.2	.0	.1	.0	.0	.0	.0	.0	8.2	9.6	8.0
SSW	.6	.7	5.8	6.7	.9	1.0	.4	.4	.1	.1	.0	.0	.0	.0	.0	7.7	9.1	9.0
SW	.8	.9	6.6	7.8	1.2	1.4	.4	.5	.1	.1	.0	.0	.0	.0	.0	9.1	10.7	9.0
WSW	.5	.5	4.4	5.2	1.0	1.1	.5	.5	.1	.1	.0	.0	.0	.0	.0	6.5	7.6	9.7
W	.6	.7	3.7	4.3	.7	.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	5.5	6.4	9.1
WNW	.4	.5	2.5	2.9	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	3.9	4.6	9.7
NW	.5	.6	2.9	3.4	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	4.5	5.3	9.3
NNW	.4	.5	3.3	3.9	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	4.7	5.5	9.1
CALM	1.7	2.0														1.7	2.0	
TOTAL	10.5	12.2	60.9	71.3	9.4	11.0	3.7	4.3	.9	1.0	.1	.1	.0	.0	.0	85.4	100	8.5

CEILING-VISIBILITY

WIND GRAPH

RIC RICHMOND, VA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 1 / NIGHT

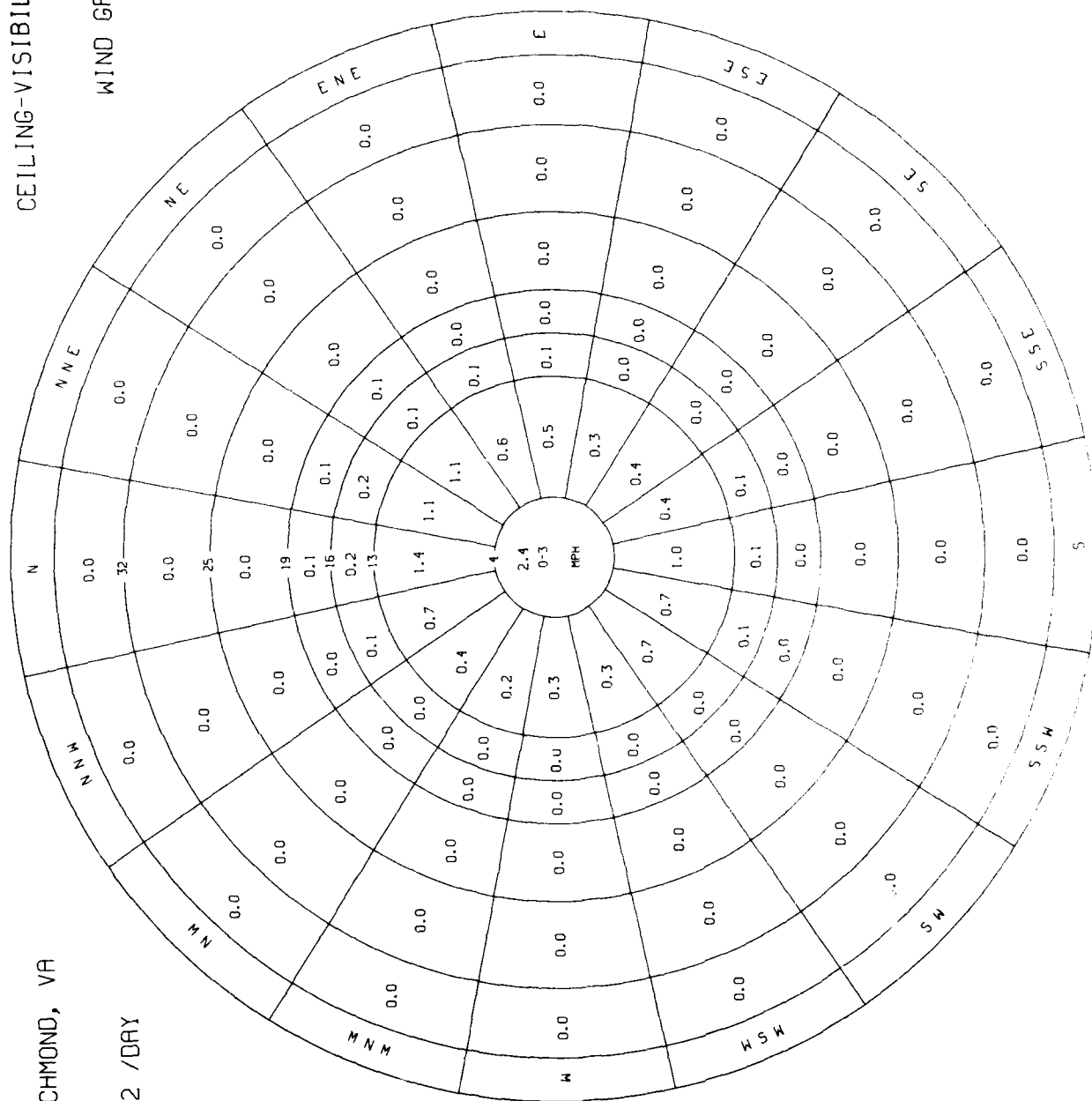
STATION NUMBER: 13740

NO. OBS.: 34896

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	1.5	5.6	6.5	.5	.5	.2	.2	.0	.1	.0	.0	.0	.0	7.5 8.7
NNE	.8	.9	3.6	4.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.8 5.6
NE	1.0	1.1	2.9	3.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.1 4.7
ENE	.7	.9	1.5	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3 2.7
E	1.0	1.1	1.7	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7 3.2
ESE	1.0	1.1	1.8	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8 3.3
SE	1.7	2.0	3.2	3.7	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	5.1 5.9
SSE	1.5	1.7	3.2	3.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.9 5.7
S	2.5	2.9	8.1	9.5	.3	.4	.1	.1	.0	.1	.0	.0	.0	.0	11.1 12.9
SSW	1.3	1.5	6.6	7.6	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	8.4 9.8
SW	1.2	1.3	4.9	5.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.5 7.6
WSW	.7	.8	3.2	3.7	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.3 5.0
W	.9	1.0	2.8	3.2	.2	.2	.1	.2	.0	.0	.0	.0	.0	.0	4.0 4.7
WNW	.5	.6	2.2	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.0 3.5
NW	.8	1.0	2.7	3.2	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.0 4.7
NNW	.8	.9	3.3	3.9	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.5 5.2
CALM	5.9	6.9													5.9 6.9
TOTAL	23.4	27.2	57.5	66.7	3.5	4.1	1.4	1.6	.3	.4	.0	.0	.0	.0	86.1 100
															6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 2 / DAY

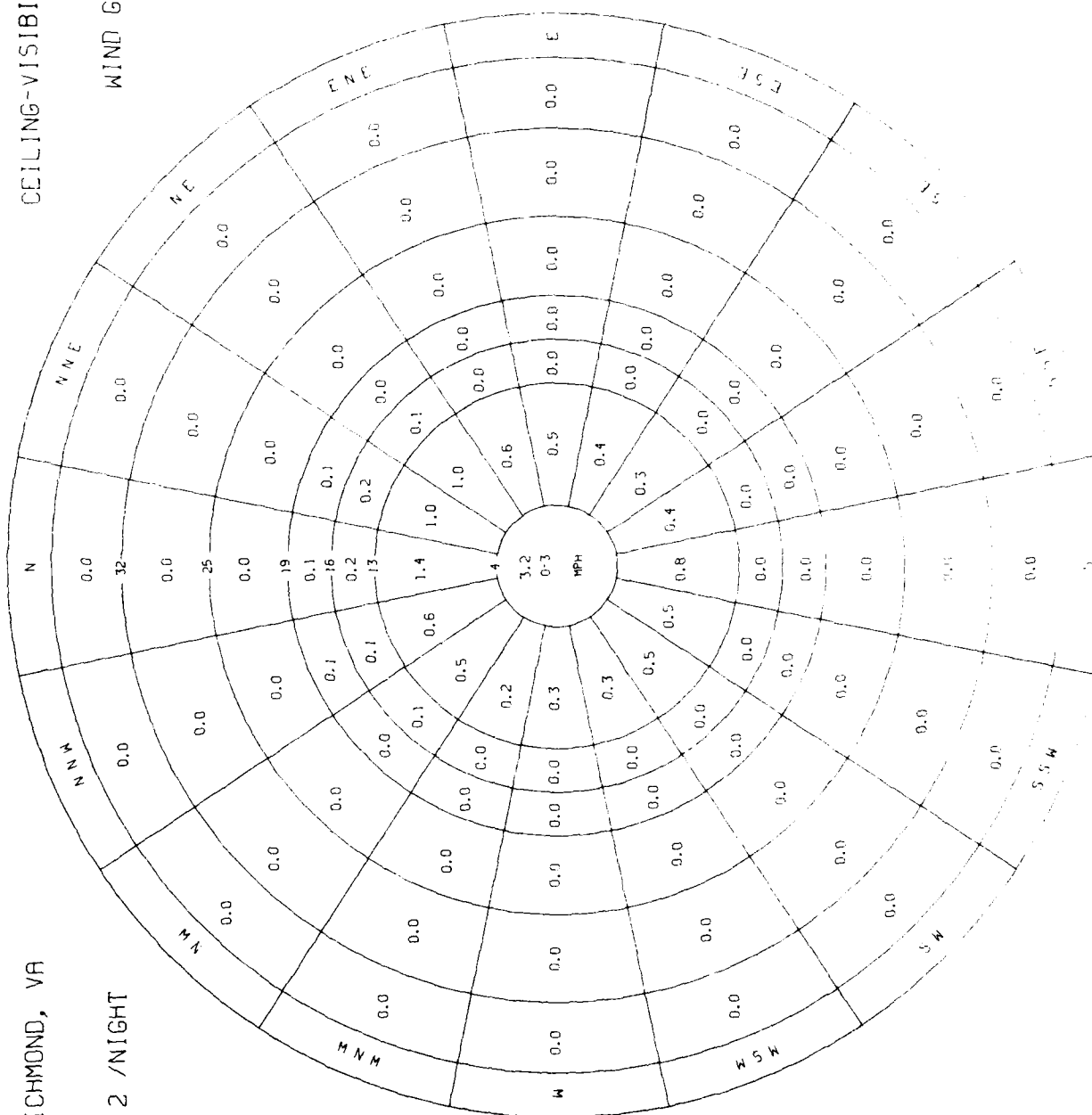
STATION NUMBER: 13740

NO. OBS.: 7302

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.2	1.4	9.4	.2	1.2	.1	.6	.0	.1	.0	.0	.0	.0	1.8 12.5
NNE	.1	.7	1.1	7.8	.2	1.4	.1	.6	.0	.3	.0	.0	.0	.0	1.6 10.9
NE	.1	.9	1.1	7.8	.1	.8	.1	.4	.0	.1	.0	.0	.0	.0	1.5 10.0
ENE	.1	.6	.6	4.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.8 5.6
E	.1	.8	.5	3.6	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.9
ESE	.1	.4	.3	2.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.2
SE	.1	.9	.4	2.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.2
SSE	.1	.8	.4	3.1	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.5
S	.2	1.6	1.0	7.1	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	1.4 9.7
SSW	.1	.7	.7	5.0	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.9 6.4
SW	.1	.9	.7	4.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.9 5.9
WSW	.1	.6	.3	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.0
W	.1	.9	.3	2.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.1
WNW	.1	.4	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.3
NW	.1	.6	.4	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.6 3.9
NNW	.1	.6	.7	4.5	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.9 6.1
CALM	.5	3.6													.5 3.6
TOTAL	2.4	16.3	10.4	70.9	1.1	7.7	.5	3.6	.2	1.2	.0	.2	.0	.0	14.6 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13740

NO. OBS.: 5642

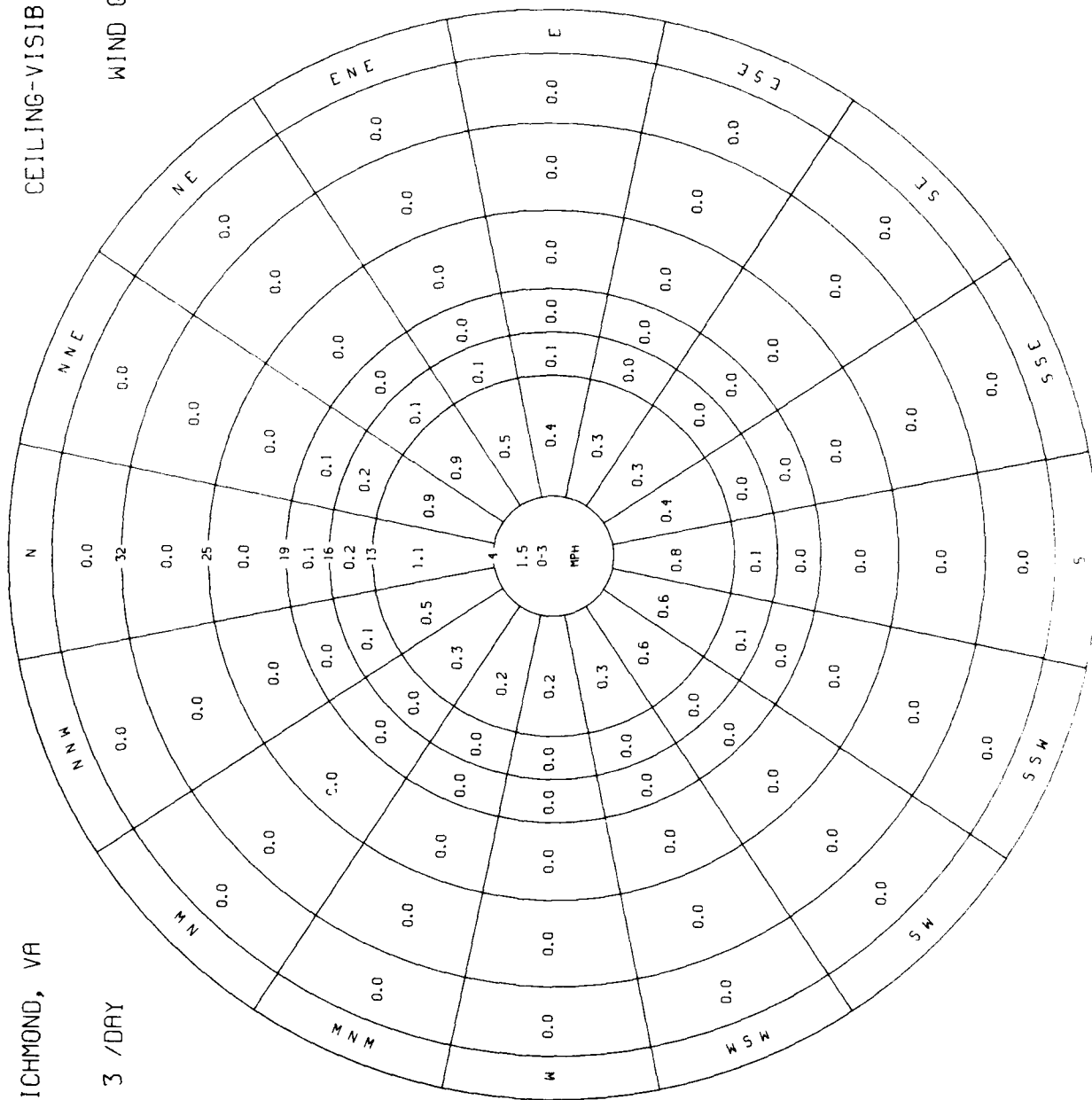
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	1.3	1.4	9.9	.2	1.2	.1	.4	.0	.2	.0	.0	.0	.0	1.8 13.0
NNE	.1	.9	1.0	7.2	.2	1.5	.1	.7	.0	.2	.0	.0	.0	.0	1.5 10.5
NE	.2	1.2	1.0	7.2	.1	.9	.0	.2	.0	.1	.0	.0	.0	.0	1.3 9.6
ENE	.1	.9	.6	4.2	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.8 5.6
E	.2	1.4	.5	3.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 5.5
ESE	.1	1.1	.4	2.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.6 4.0
SE	.2	1.2	.3	2.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.0
SSE	.1	1.0	.4	3.1	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.7 4.8
S	.3	2.0	.8	5.5	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	1.1 8.0
SSW	.1	1.0	.5	3.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.1
SW	.1	.8	.5	3.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 4.6
WSW	.1	.7	.3	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.7
W	.2	1.2	.3	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5 3.5
WNW	.1	.8	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.3
NW	.1	1.0	.5	3.4	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.7 5.1
NNW	.2	1.1	.6	4.4	.1	.6	.1	.4	.0	.1	.0	.0	.0	.0	.9 6.6
CALM	.7	5.4													.7 5.4
TOTAL	3.2	22.9	9.2	66.0	1.0	7.1	.4	3.0	.1	1.0	.0	.1	.0	.0	13.9 100

CEILING-VISIBILITY

WIND GRAPH

RIC RICHMOND, VA

CLASS 3 /DAY



SEEING VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RICHMOND, VA

PERIOD: 1948-1978

CLASS 3 / DAY

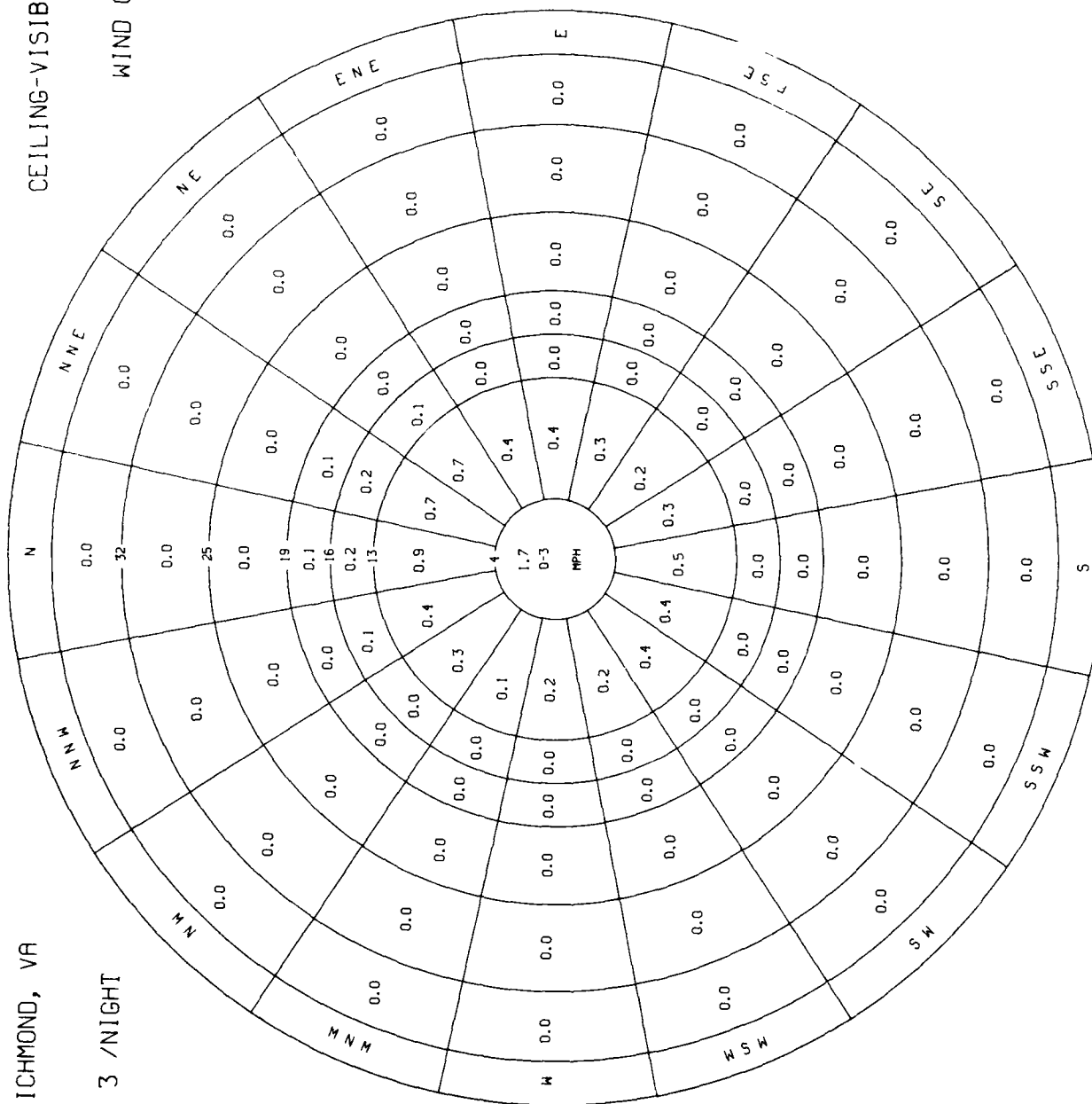
STATION NUMBER: 13740

NO. OBS.: 5826

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.1	1.1	9.4	.2	1.4	.1	.7	.0	.1	.0	.0	.0	.0	1.5 12.7
NNE	.1	.5	.9	8.1	.2	1.6	.1	.8	.0	.3	.0	.0	.0	.0	1.3 11.3
NE	.1	.7	.9	8.1	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	1.2 10.2
ENE	.1	.5	.5	4.3	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.7 6.0
E	.1	.6	.4	3.6	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.6 4.9
ESE	.0	.3	.3	2.3	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.1
SE	.1	.7	.3	2.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 4.0
SSE	.1	.7	.4	3.1	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 4.5
S	.2	1.4	.8	6.9	.1	.7	.0	.4	.0	.1	.0	.0	.0	.0	1.1 9.5
SSW	.1	.6	.6	5.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.8 6.9
SW	.1	.8	.6	5.0	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.7 6.2
WSW	.1	.5	.3	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.9
W	.1	.7	.2	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.0
WNW	.0	.3	.2	1.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 2.3
NW	.0	.4	.3	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.8
NNW	.0	.4	.5	4.4	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.7 5.9
CALM	.3	3.0													.3 3.0
TOTAL	1.5	13.3	8.4	72.2	1.0	8.9	.5	4.1	.2	1.4	.0	.2	.0	.1	11.6 100
															8.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 3 / NIGHT

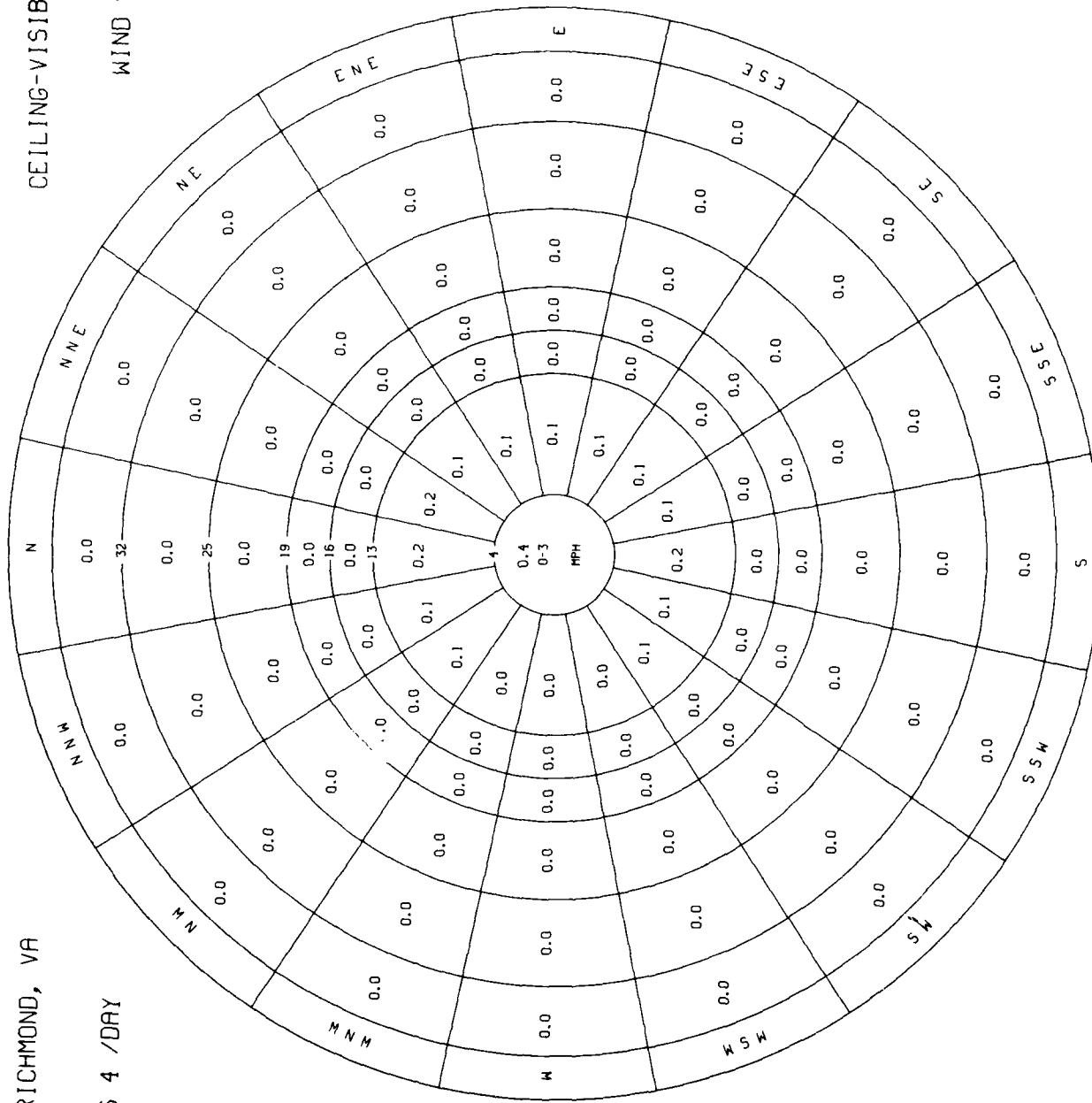
STATION NUMBER: 13740

NO. OBS.: 3829

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.9	9.8	.2	1.6	.1	.5	.0	.3	.0	.0	.0	.0	1.3 13.2
NNE	.1	.6	.7	7.6	.2	2.1	.1	.9	.0	.3	.0	.0	.0	.0	1.1 11.4
NE	.1	.9	.7	7.5	.1	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.9 9.9
ENE	.1	.7	.4	4.2	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5 5.6
E	.1	1.1	.4	3.8	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.5 5.5
ESE	.1	.7	.3	2.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.7
SE	.1	.9	.2	2.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.7
SSE	.1	.8	.3	3.2	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.5 4.9
S	.2	2.0	.5	5.6	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.8 8.3
SSW	.1	.8	.4	3.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5 5.2
SW	.1	.7	.4	4.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 5.2
WSW	.0	.5	.2	1.9	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.7
W	.1	1.0	.2	2.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.4
WNW	.1	.6	.1	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.1
NW	.1	.7	.3	3.1	.0	.5	.0	.3	.0	.1	.0	.0	.0	.0	.4 4.6
NNW	.1	.9	.4	4.5	.1	.8	.0	.5	.0	.1	.0	.0	.0	.0	.6 6.8
CALM	.4	3.9													.4 3.9
TOTAL	1.7	17.8	6.4	67.4	.9	9.2	.4	4.1	.1	1.4	.0	.1	.0	.0	9.4 100

RIC RICHMOND, VA

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 4 / DAY

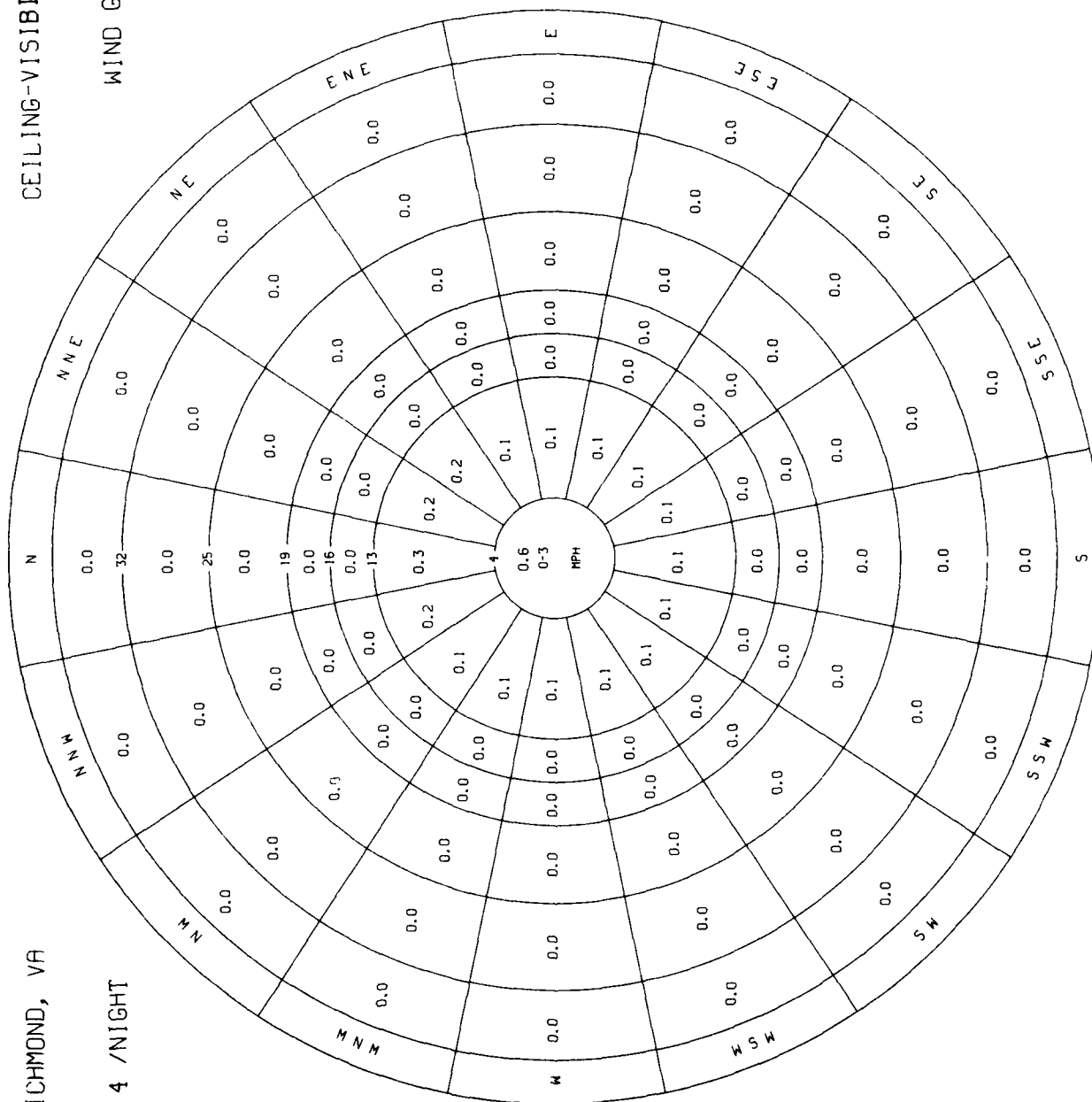
STATION NUMBER: 13740

NO. OBS.: 1022

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	1.4	.2	9.4	.0	.4	.0	.4	.0	.0	.0	.1	.0	.0	.2 11.6
NNE	.0	1.1	.2	7.4	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.2 9.5
NE	.0	1.1	.1	6.9	.0	.6	.0	.3	.0	.2	.0	.0	.0	.0	.2 9.1
ENE	.0	.8	.1	3.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.4
E	.0	1.3	.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.4
ESE	.0	.7	.1	2.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1 3.9
SE	.0	1.0	.1	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.0
SSE	.0	.8	.1	3.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.4
S	.0	2.0	.2	8.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 10.9
SSW	.0	.8	.1	3.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.4
SW	.0	1.2	.1	3.5	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.1 4.9
WSW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.2
W	.0	1.4	.0	2.1	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1 3.8
WNW	.0	.6	.0	1.5	.0	.4	.0	.1	.0	.4	.0	.0	.0	.0	.1 2.9
NW	.0	.8	.1	3.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1 5.1
NNW	.0	1.2	.1	5.3	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.2 7.4
CALM	.1	4.0													.1 4.0
TOTAL	.4	20.9	1.5	71.8	.1	3.9	.0	2.3	.0	.9	.0	.2	.0	.0	2.0 100
															7.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13740

NO. OBS.: 1133

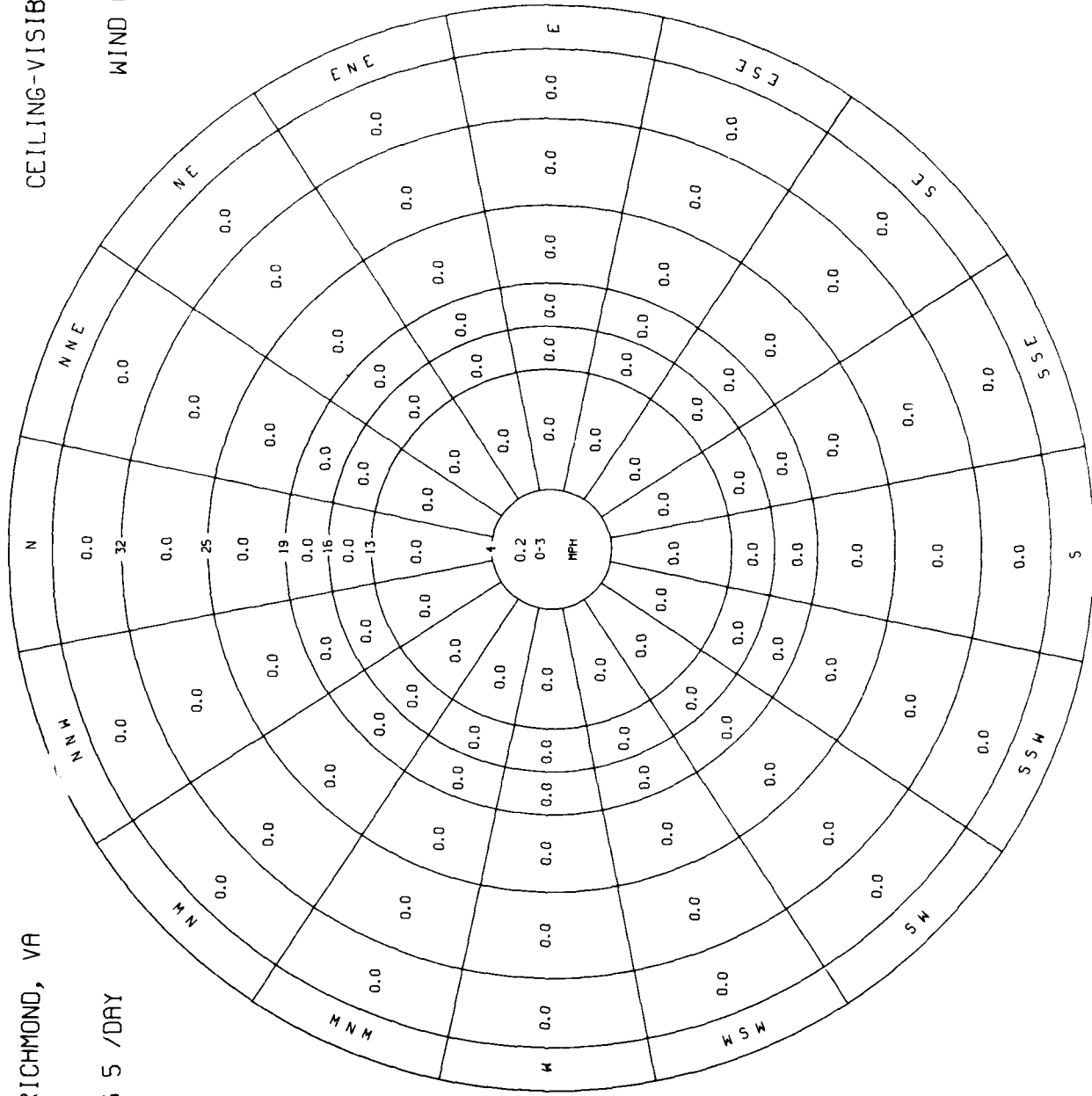
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.1	.3	11.6	.0	.6	.0	.3	.0	.1	.0	.1	.0	.0	.4 13.7
NNE	.0	1.2	.2	7.6	.0	.6	.0	.5	.0	.2	.0	.0	.0	.0	.3 10.2
NE	.0	1.8	.2	7.7	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.3 10.2
ENE	.0	.4	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 5.5
E	.0	1.5	.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 5.6
ESE	.0	1.6	.1	3.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1 5.0
SE	.0	1.1	.1	2.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
SSE	.0	1.0	.1	3.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
S	.0	1.6	.1	4.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2 6.6
SSW	.0	1.3	.1	3.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.7
SW	.0	.6	.1	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
WSW	.0	.5	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
W	.0	1.1	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
WNW	.0	.9	.1	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
NW	.0	1.3	.1	4.4	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.2 6.2
NNW	.0	1.6	.2	5.4	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.2 7.8
CALM	.1	4.1													.1 4.1
TOTAL	.6	22.8	2.0	71.8	.1	3.5	.0	1.2	.0	.5	.0	.1	.0	.0	2.8 100 6.5

RIC RICHMOND, VA

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 13740

NO. OBS.: 218

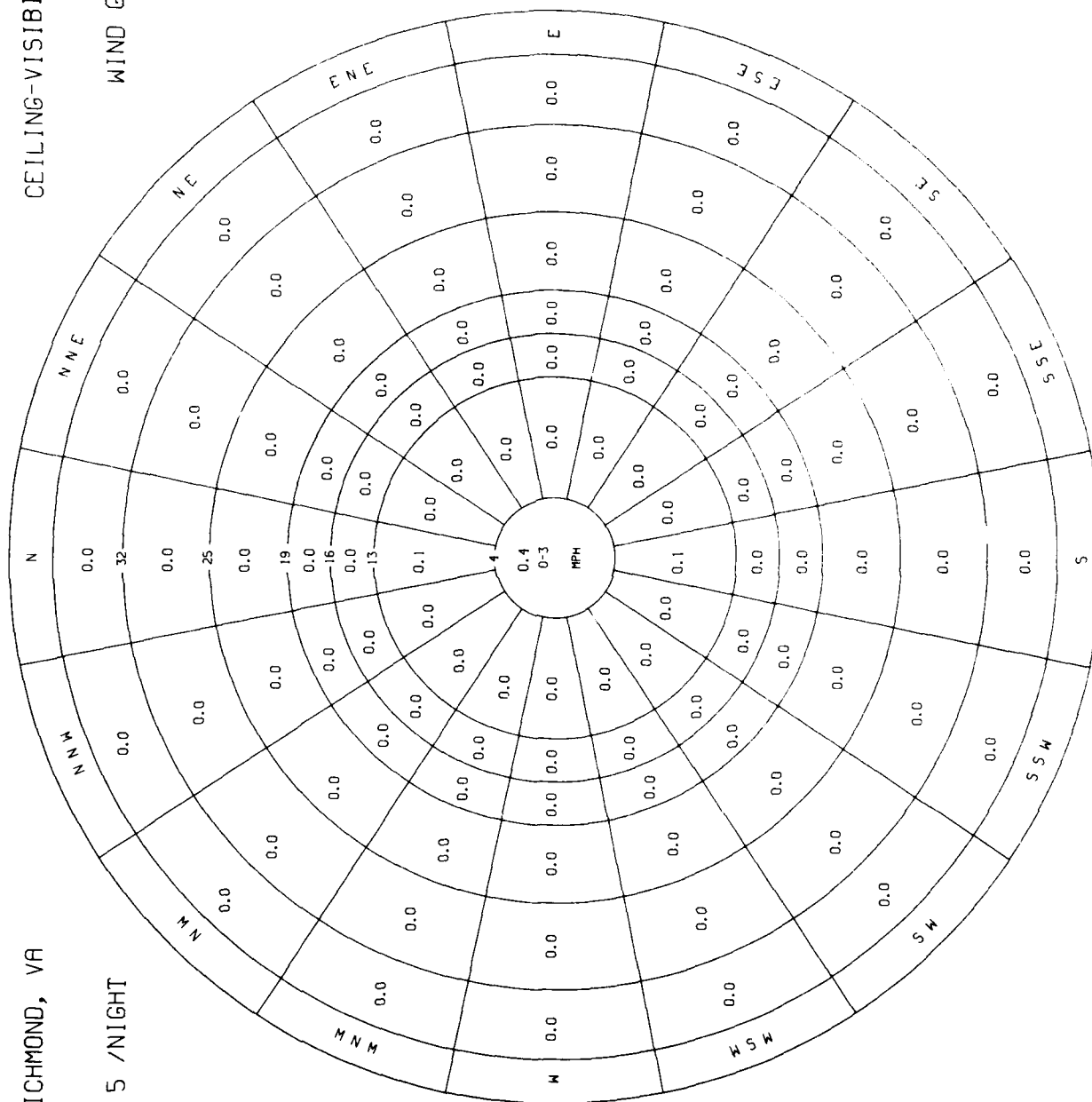
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	2.8	.0	10.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1 14.2
NNE	.0	1.8	.0	5.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0 8.7
NE	.0	2.8	.0	8.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1 11.9
ENE	.0	.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
E	.0	.9	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.5	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
SE	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6
SSE	.0	2.3	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
S	.0	4.1	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 9.2
SSW	.0	1.8	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.6
SW	.0	.9	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
WSW	.0	.5	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
W	.0	.9	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
WNW	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
NW	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.2
NNW	.0	.9	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
CALM	.0	11.0													.0 11.0
TOTAL	.2	37.2	.3	59.2	.0	2.8	.0	.0	.0	.9	.0	.0	.0	.0	.4 100

CEILING-VISIBILITY

WIND GRAPH

RIC RICHMOND, VA

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 5 / NIGHT

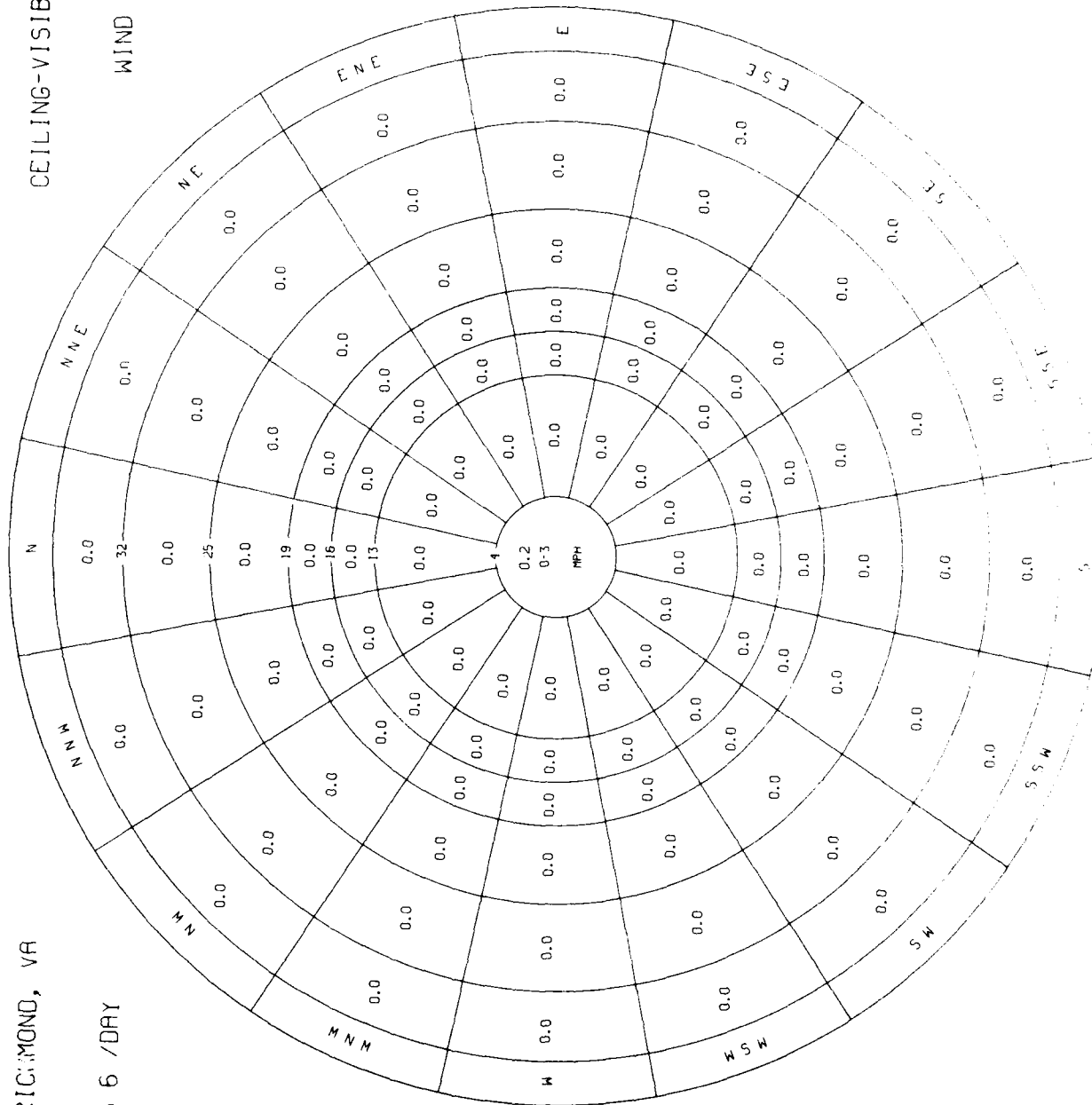
STATION NUMBER: 13740

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			
N	.0	4.1	.1	8.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.0	5.9
NNE	.0	1.9	.0	5.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.6	5.9
NE	.0	1.3	.0	5.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	6.5
ENE	.0	2.9	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.9
E	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.6
ESE	.0	2.5	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	3.8
SE	.0	2.2	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.4
SSE	.0	1.3	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.1
S	.0	3.2	.1	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.1	5.5
SSW	.0	2.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.9
SW	.0	1.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.3
WSW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.1
W	.0	1.3	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.1
WNW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
NW	.0	2.9	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.9	5.3
NNW	.0	1.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.3
CALM	.1	13.0													.1	13.0	
TOTAL	.4	45.4	.4	53.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	100	4.6

RIC RICHMOND, VA
 CLASS 6 /DAY

CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: RIC RICHMOND, VA

CLASS 6 / DAY

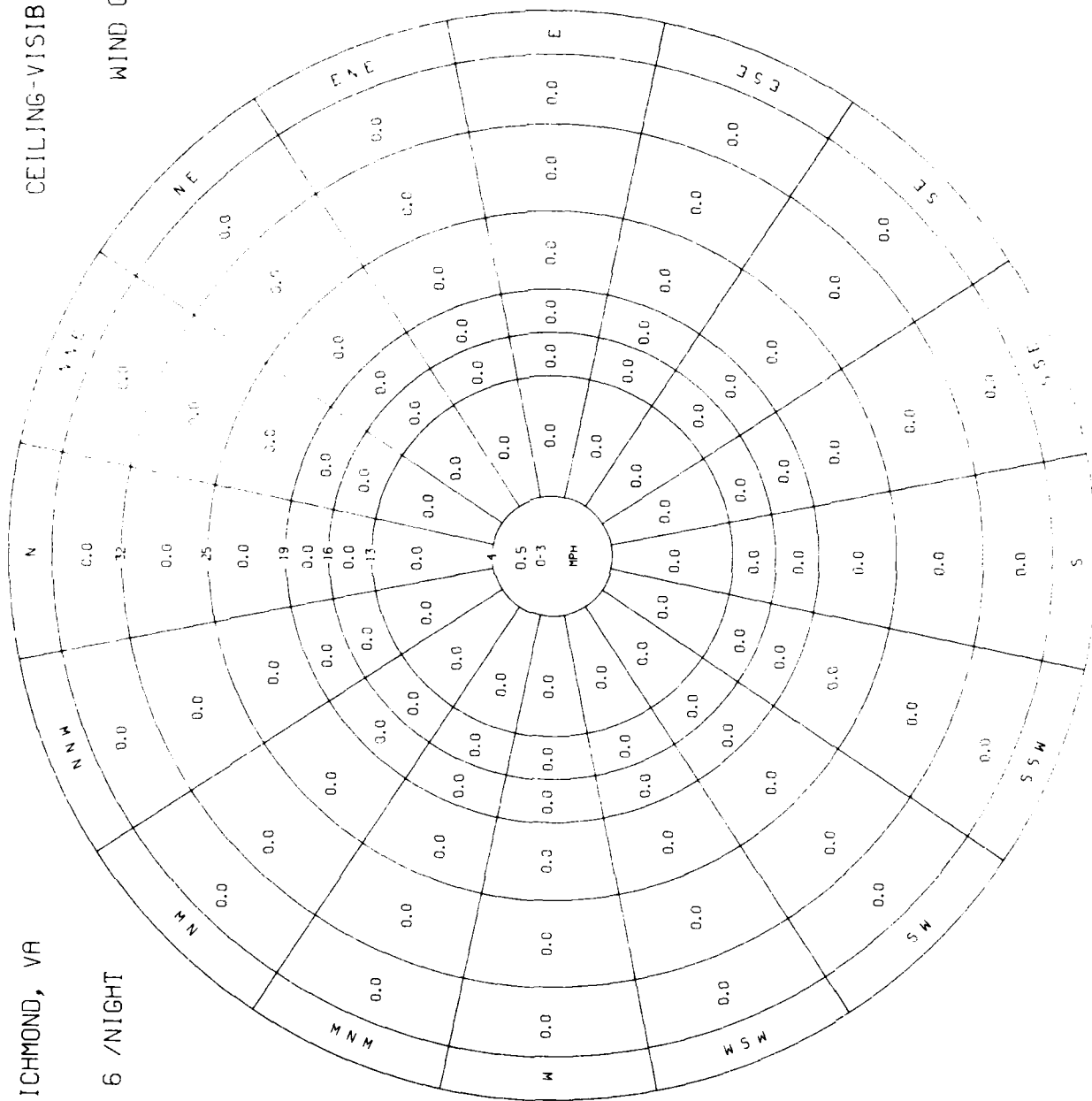
NO. OBS.: 236

STATION NUMBER: 13740

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.0	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9
NNE	.0	3.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8
NENE	.0	4.2	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1
ENE	.0	2.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7
E	.0	2.5	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5
ESE	.0	2.1	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
SE	.0	3.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4
SSE	.0	3.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4
S	.0	5.1	.0	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9
SSW	.0	2.1	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5
SW	.0	3.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7
WSW	.0	.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
W	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
WNW	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
NW	.0	2.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
NNW	.0	2.5	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4
CALM	.1	11.0													11.0
TOTAL	.2	53.0	.2	47.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5 100
															3.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RIC RICHMOND, VA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13740

NO. OBS.: 365

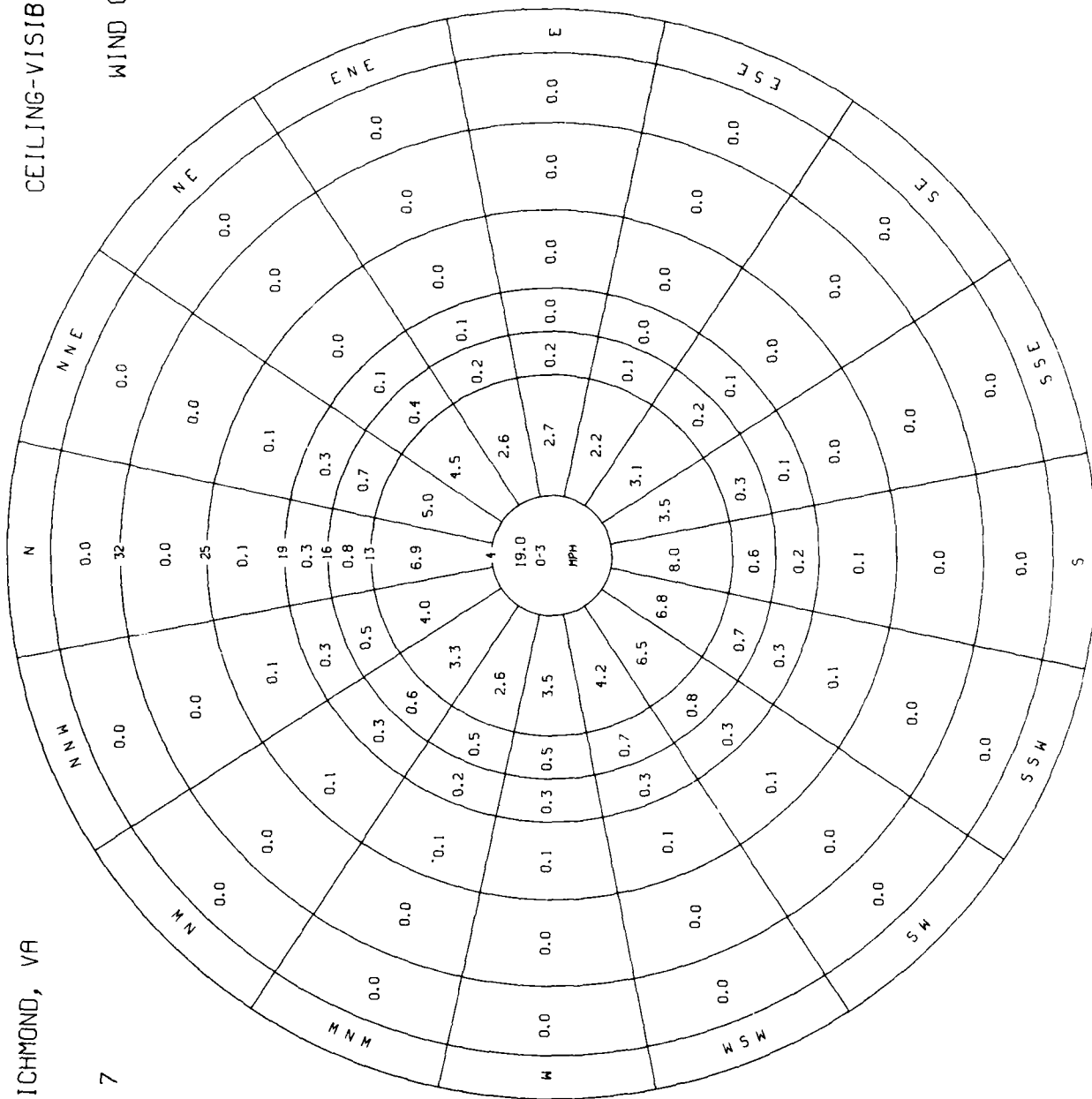
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B				
N	.0	3.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.9	4.5
NNE	.0	1.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.7
NE	.0	2.2	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	5.5
ENE	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	4.9
E	.0	3.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	4.2
ESE	.0	1.6	.0	2.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	4.9
SE	.0	4.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	3.7
SSE	.0	3.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	5.1
S	.0	1.9	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	5.0
SSW	.0	1.4	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.7
SW	.0	1.1	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.5
WSW	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.8
W	.0	3.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	3.4
WNW	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.9
NW	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.6
NNW	.0	1.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.1
CALM	.2	18.4														.2	18.4	
TOTAL	.5	56.7	.4	43.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	100	3.8

CEILING-VISIBILITY

WIND GRAPH

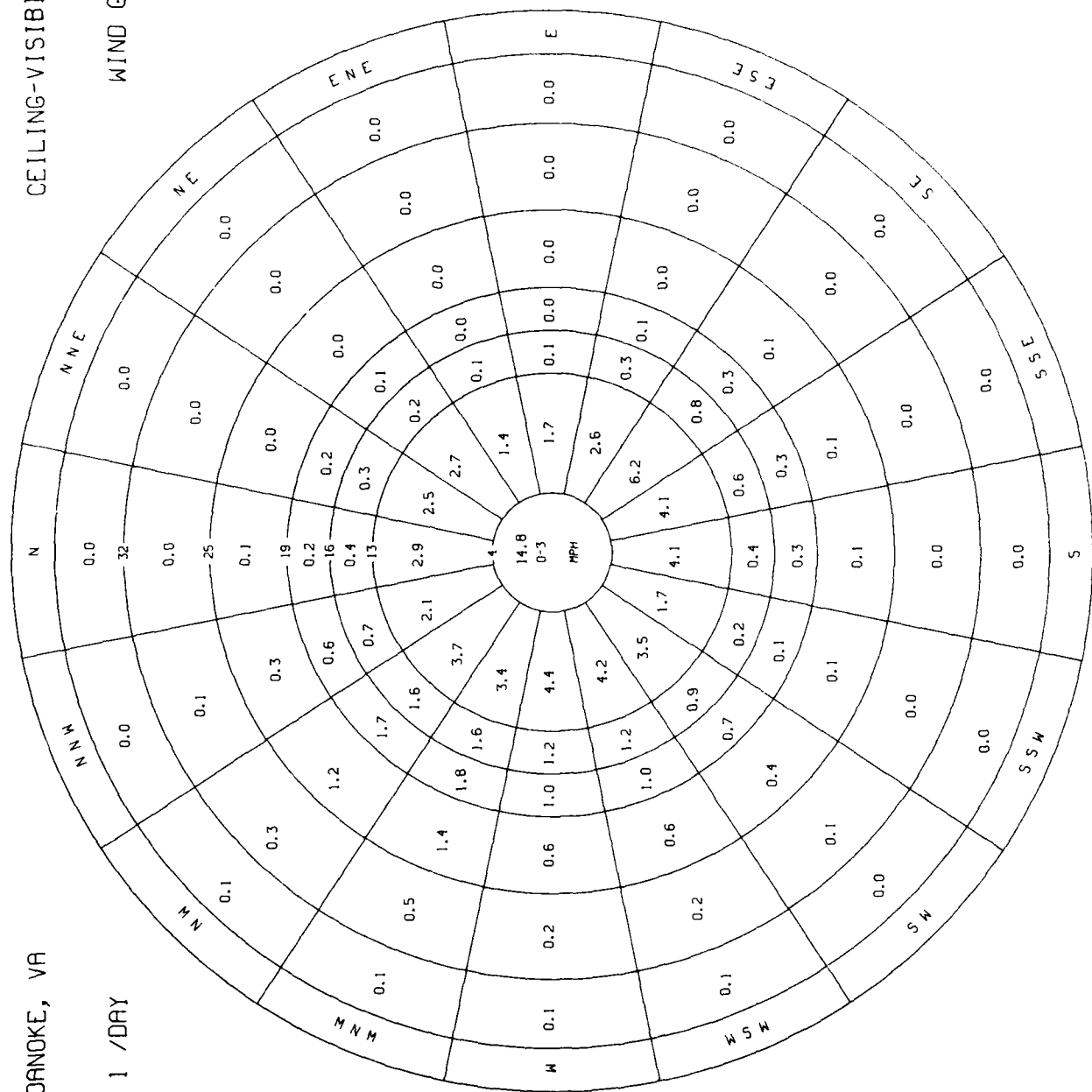
RIC RICHMOND, VA

CLASS 7



CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13741

NO. OBS.: 44936

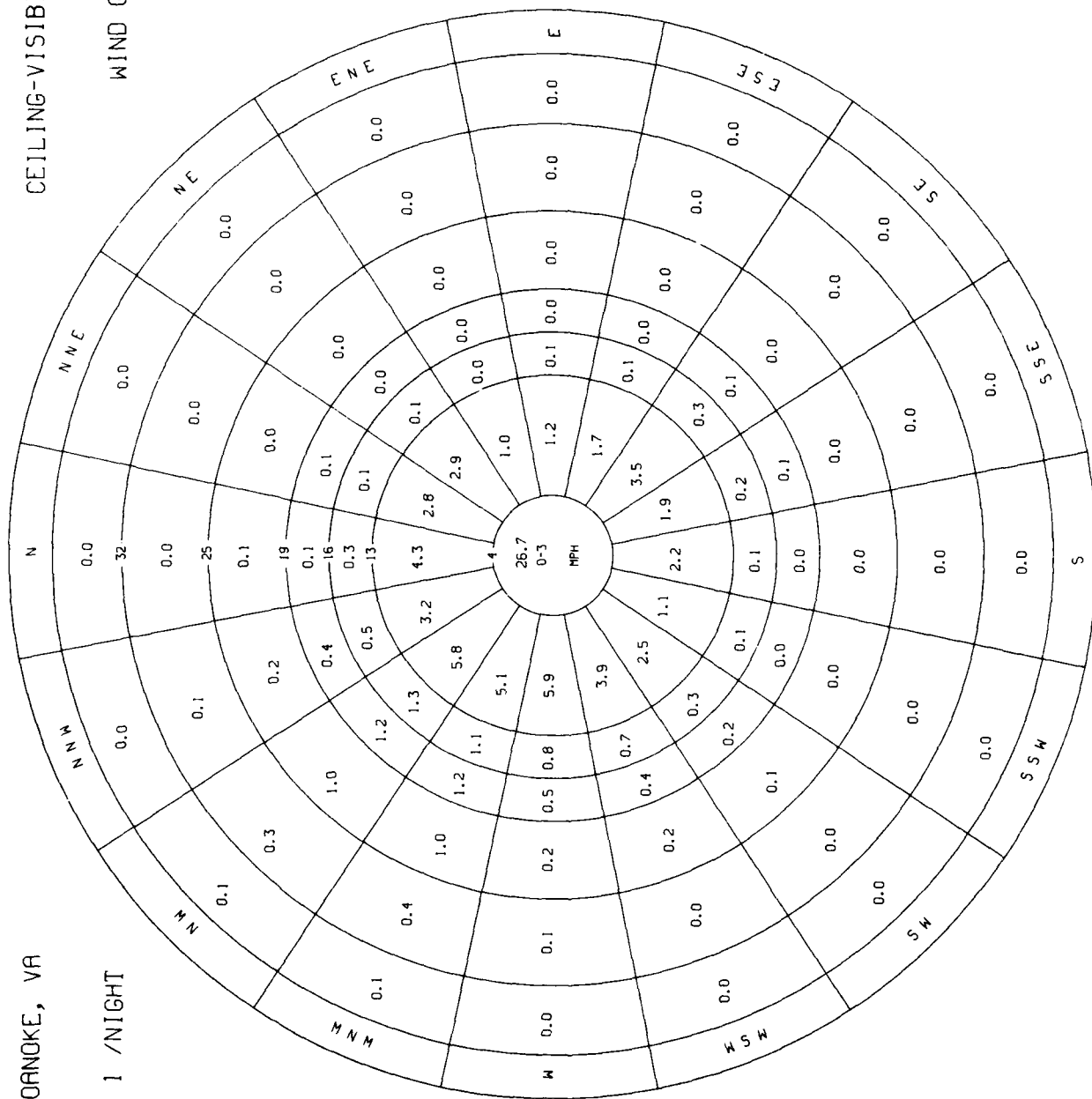
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.6	.7	2.9	3.2	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	4.3 4.7
NNE	.6	.6	2.5	2.7	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	3.5 3.9
NE	1.0	1.1	2.7	2.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.1 4.4
ENE	.4	.5	1.4	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9 2.0
E	.6	.7	1.7	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4 2.6
ESE	.5	.5	2.6	2.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.4 3.7
SE	1.0	1.1	6.2	6.7	.8	.9	.3	.3	.1	.1	.0	.0	.0	.0	8.3 9.1
SSE	.6	.6	4.1	4.5	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	5.7 6.2
S	.9	1.0	4.1	4.5	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	5.9 6.5
SSW	.4	.4	1.7	1.9	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.6 2.8
SW	.9	.9	3.5	3.8	.9	.9	.7	.8	.4	.4	.1	.1	.0	.0	6.3 6.9
WSW	.6	.6	4.2	4.6	1.2	1.3	1.0	1.1	.6	.6	.2	.2	.1	.1	7.8 8.5
W	.7	.8	4.4	4.8	1.2	1.4	1.0	1.1	.6	.7	.2	.2	.1	.1	8.2 8.9
WNW	.3	.4	3.4	3.7	1.6	1.8	1.8	1.9	1.4	1.6	.5	.6	.1	.1	9.2 10.0
NW	.5	.6	3.7	4.0	1.6	1.7	1.7	1.9	1.2	1.3	.3	.4	.1	.1	9.1 9.9
NNW	.3	.3	2.1	2.3	.7	.8	.6	.7	.3	.3	.1	.1	.0	.0	4.1 4.5
CALM	4.9	5.4													4.9 5.4
TOTAL	14.8	16.1	51.1	55.8	10.5	11.4	8.5	9.3	5.0	5.5	1.5	1.6	.3	.4	91.6 100
															9.7

CEILING-VISIBILITY

WIND GRAPH

ROA ROANOKE, VA

CLASS 1 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 37423

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		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	1.6	4.3	4.8	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	6.2	6.8	6.5
NNE	1.1	1.2	2.8	3.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	4.1	4.5	6.3
NE	1.6	1.7	2.9	3.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.1	5.5
ENE	.6	.6	1.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.8	5.3
E	.8	.9	1.2	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.3	5.4
ESE	.5	.5	1.7	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.5	6.7
SE	1.1	1.3	3.5	3.9	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.1	5.6	7.1
SSE	.6	.7	1.9	2.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.0	7.0
S	1.0	1.1	2.2	2.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.4	3.8	6.0
SSW	.5	.5	1.1	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	6.2
SW	1.2	1.4	2.5	2.7	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	4.2	4.7	7.1
WSW	.8	.9	3.9	4.3	.7	.7	.4	.5	.2	.3	.0	.0	.0	.0	6.1	6.7	9.1
W	1.4	1.6	5.9	6.6	.8	.9	.5	.6	.2	.2	.1	.1	.0	.0	9.1	10.1	8.8
WNW	.7	.8	5.1	5.6	1.1	1.3	1.2	1.4	1.0	1.1	.4	.5	.1	.1	9.7	10.8	11.9
NW	1.1	1.2	5.8	6.4	1.3	1.4	1.2	1.3	1.0	1.1	.3	.3	.1	.1	10.6	11.8	11.1
NNW	.7	.7	3.2	3.6	.5	.6	.4	.4	.2	.2	.1	.1	.0	.0	5.1	5.7	9.1
CALM	11.6	12.9													11.6	12.9	
TOTAL	26.7	29.6	49.1	54.4	5.9	6.6	4.4	4.8	2.9	3.2	1.0	1.1	.2	.3	90.2	100	7.3

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 2 / DAY

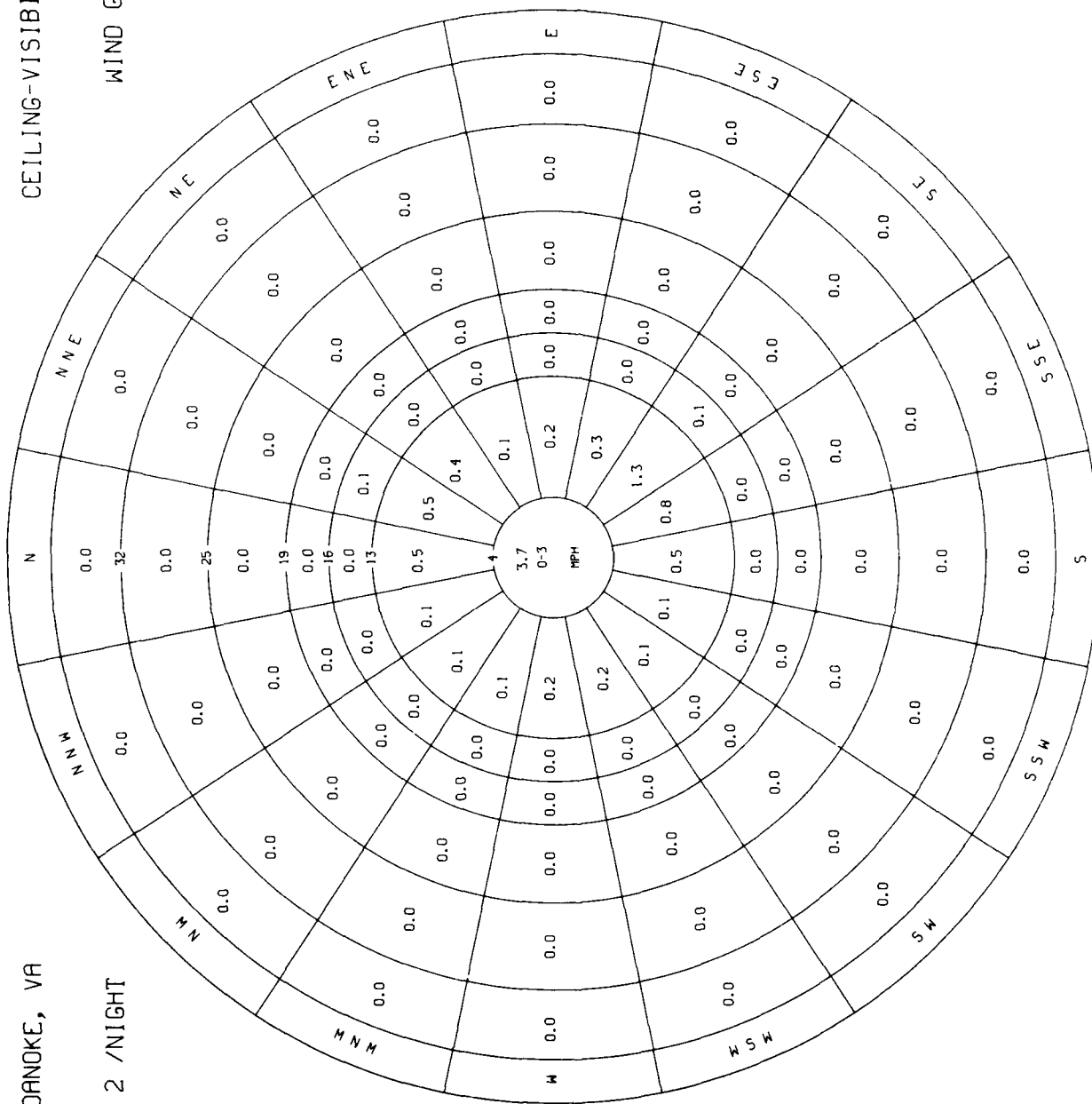
STATION NUMBER: 13741

NO. OBS.: 4134

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.3	.3	4.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5 5.8
NNE	.1	.7	.4	5.3	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.6 7.0
NE	.1	1.2	.4	5.2	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6 7.2
ENE	.1	.7	.2	2.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3 3.0
E	.1	1.1	.2	2.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3 3.6
ESE	.1	.6	.4	4.9	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.5 6.4
SE	.2	2.7	1.3	15.5	.2	2.1	.0	.4	.0	.0	.0	.0	.0	.0	1.7 20.7
SSE	.1	1.2	.8	9.7	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	1.0 11.9
S	.2	2.1	.5	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 7.9
SSW	.1	.7	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.9
SW	.1	1.4	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 3.0
WSW	.1	.7	.1	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.3
W	.1	1.3	.1	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.9
WNW	.0	.4	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.8
NW	.0	.5	.1	1.0	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2 1.9
NNW	.0	.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
CALM	1.0	11.9													1.0 11.9
TOTAL	2.4	28.7	5.3	62.8	.5	5.5	.2	2.0	.1	.7	.0	.2	.0	.0	8.4 100
															6.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 4086

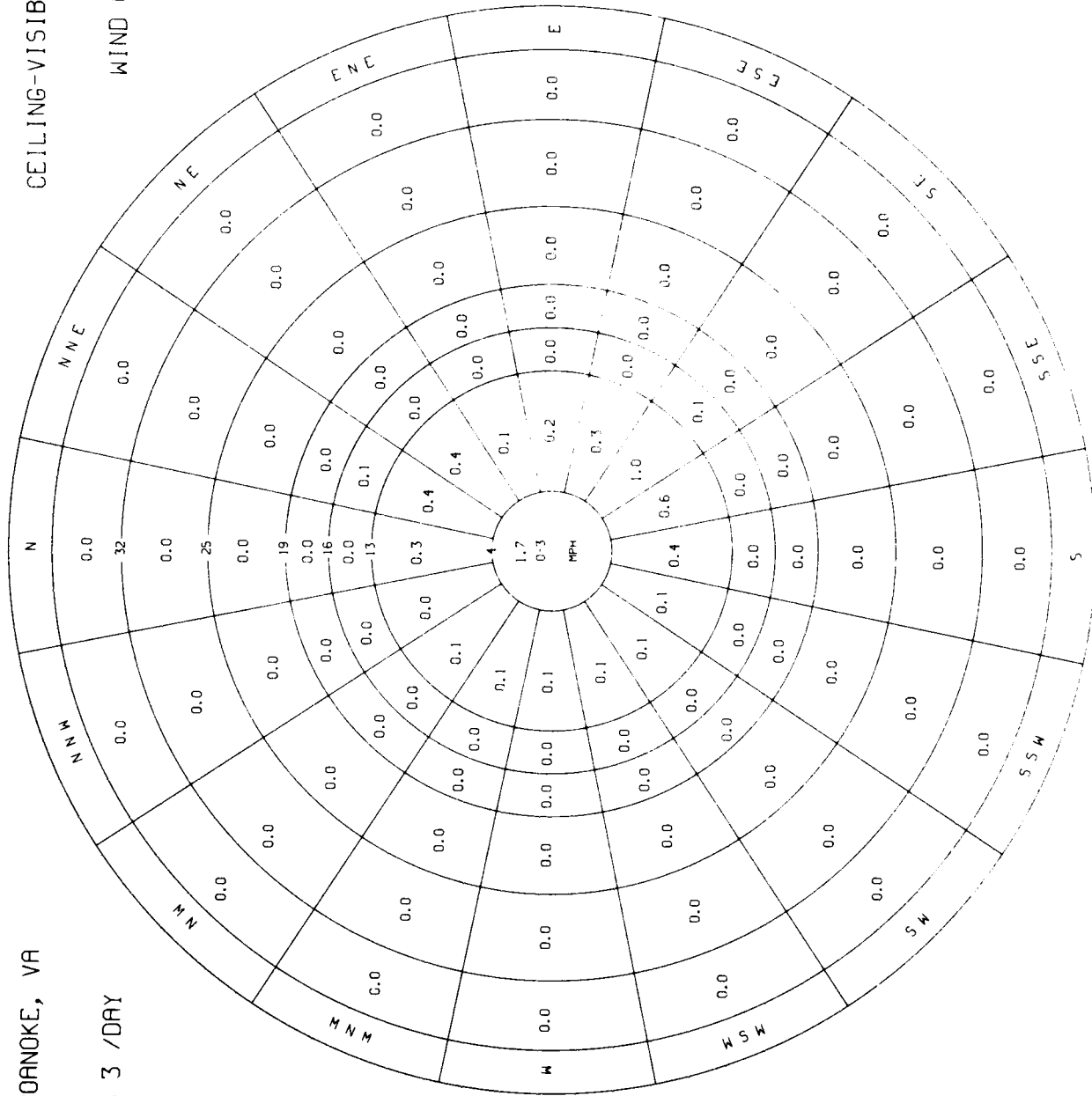
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.4	.5	4.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.6 6.5
NNE	.1	1.0	.5	5.6	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.7 7.5
NE	.2	1.7	.4	4.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.7 6.8
ENE	.1	.5	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.9
E	.1	1.0	.2	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3 3.5
ESE	.0	.5	.3	3.4	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.4 4.4
SE	.2	2.4	1.3	12.9	.1	1.3	.0	.3	.0	.1	.0	.0	.0	.0	1.7 17.0
SSE	.1	1.3	.8	7.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.0 9.7
S	.2	1.8	.5	4.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7 7.0
SSW	.1	.7	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.7
SW	.2	1.8	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.0
WSW	.1	.9	.2	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.6
W	.2	1.5	.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.7
WNW	.1	.7	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 2.3
NW	.1	1.0	.1	1.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.2 2.3
NNW	.1	.7	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.8
CALM	1.8	18.3													1.8 18.3
TOTAL	3.7	37.3	5.6	56.9	.4	4.0	.1	1.2	.0	.5	.0	.1	.0	.0	9.8 100
															5.5

ROA ROANOKE, VA

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 13741

NO. OBS.: 3176

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.1	1.4	.3	4.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.4	6.2	6.8
NNE	.0	.7	.4	6.0	.1	.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.5	7.9	8.9
NE	.1	1.1	.4	6.0	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.5	8.0	8.0
ENE	.0	.7	.1	2.2	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.0	.2	3.3	7.7
E	.1	1.1	.2	2.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	4.0	6.9
ESE	.0	.7	.3	5.1	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.4	6.7	8.5
SE	.2	2.7	1.0	15.6	.1	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.4	20.9	8.3
SSE	.1	1.1	.6	9.5	.0	.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.8	11.6	8.1
S	.1	2.0	.4	5.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	7.4	5.9
SSW	.0	.6	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	5.0
SW	.1	1.2	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.9	5.0
WSW	.0	.6	.1	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	2.3	6.3
W	.1	1.1	.1	1.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.2	2.8	6.2
WNW	.0	.4	.1	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	1.6	6.5
NW	.0	.4	.1	1.0	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.1	1.5	8.4
NNW	.0	.3	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.1
CALM	.6	9.7														.6	9.7	
TOTAL	1.7	25.6	4.2	65.0	.4	6.0	.1	2.2	.1	.9	.0	.3	.0	.0	.0	6.5	100	6.8

AD-A108 157

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/8 4/2

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

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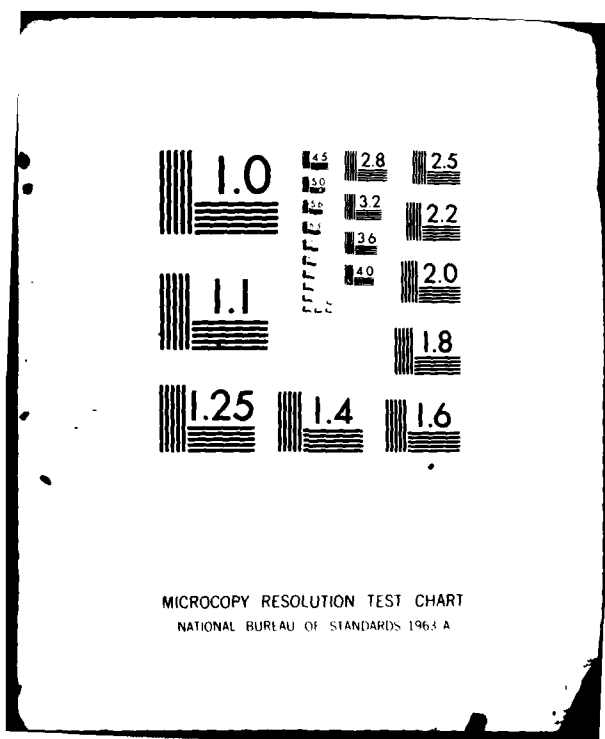
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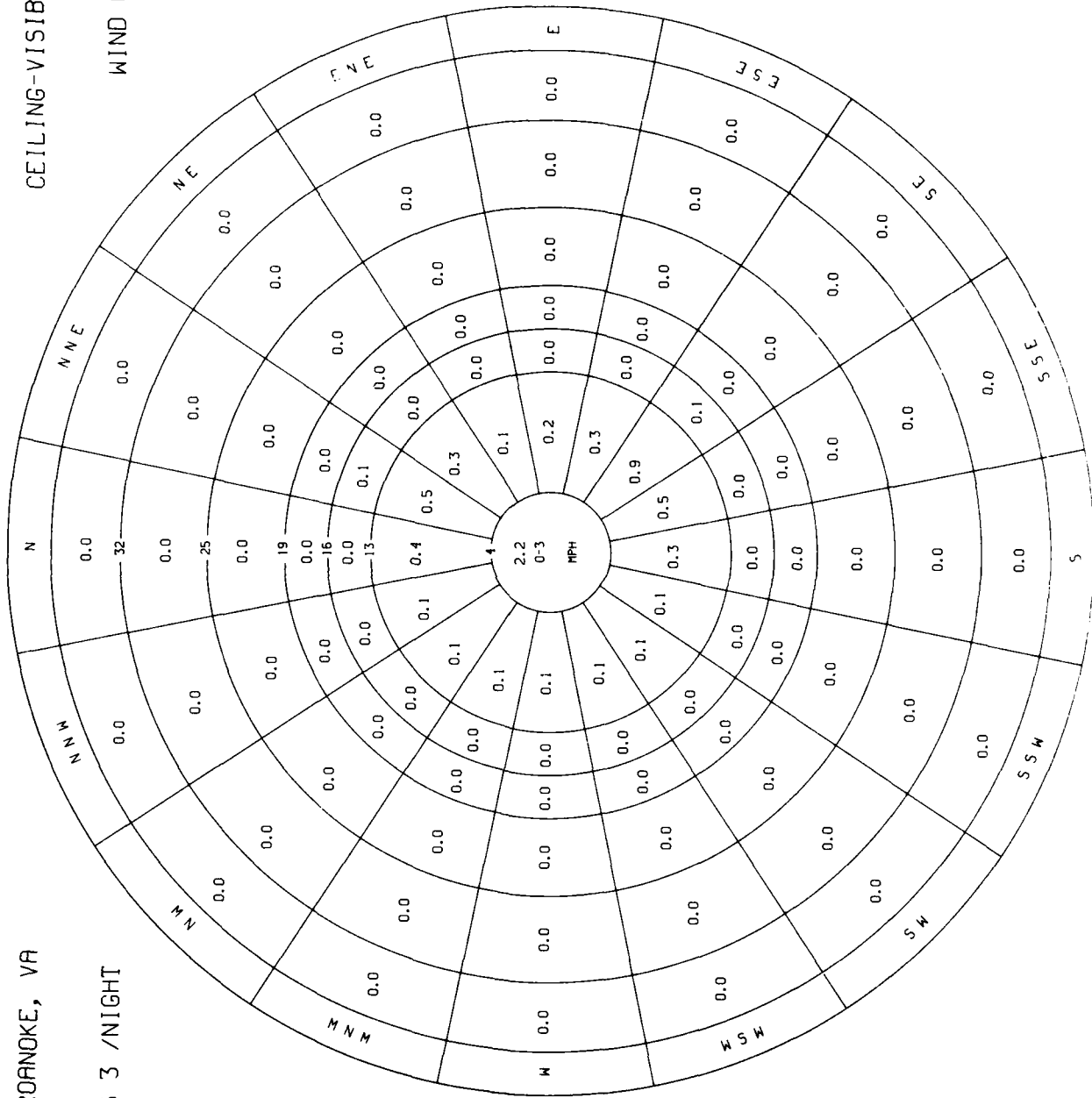


CEILING-VISIBILITY

WIND GRAPH

ROA ROANOKE, VA

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

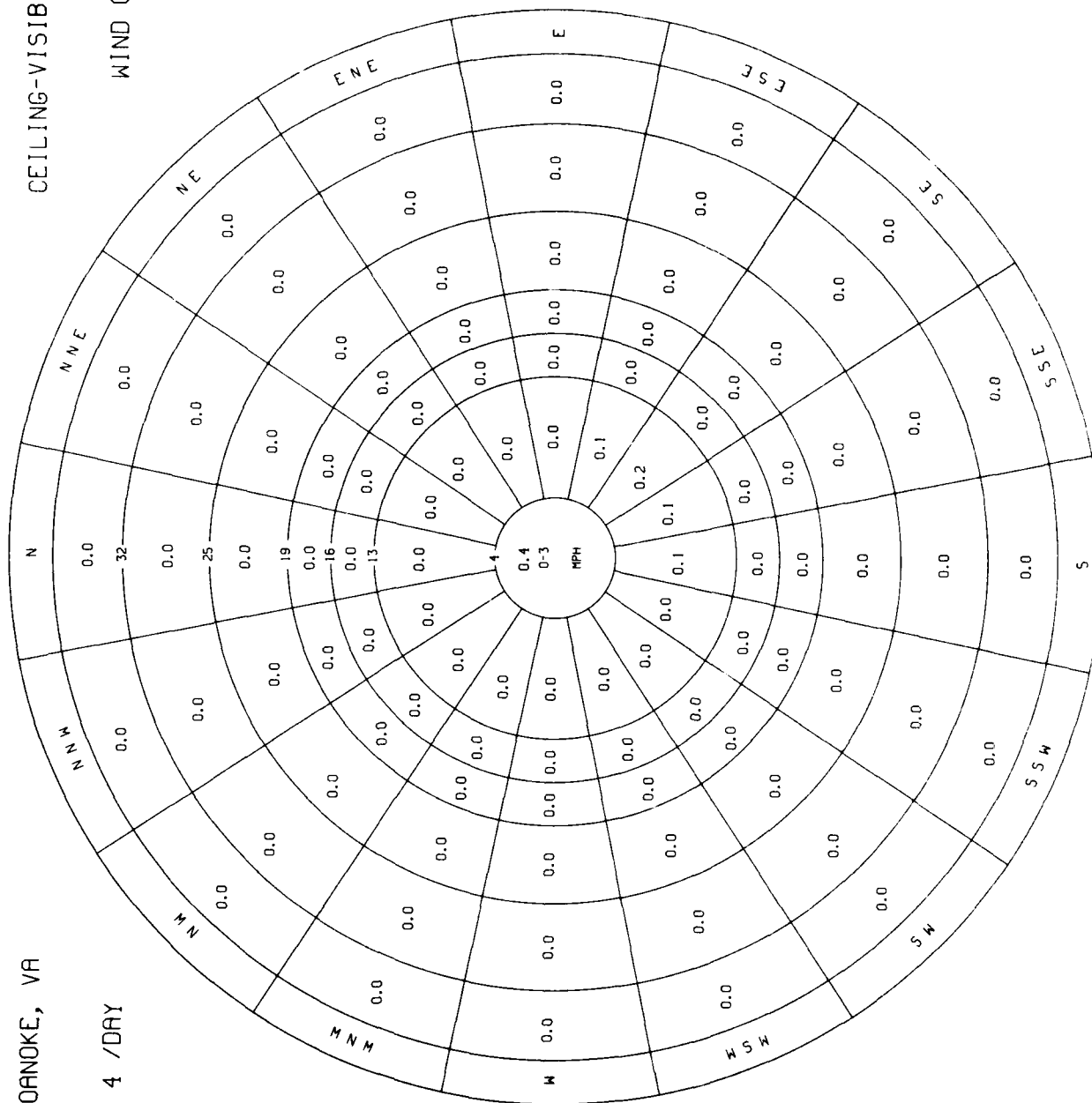
CLASS 3 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 2748

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	1.6	.4	5.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5	7.4	6.7
NNE	.1	1.0	.5	7.0	.1	.8	.0	.1	.0	.1	.0	.1	.0	.0	.6	9.2	8.7
NE	.1	1.9	.3	5.2	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.5	7.9	7.2
ENE	.0	.5	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.0	6.7
E	.1	1.1	.2	2.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	4.0	6.7
ESE	.0	.5	.3	4.0	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	5.0	8.1
SE	.1	2.0	.9	12.9	.1	1.5	.0	.4	.0	.1	.0	.0	.0	.0	1.1	17.0	8.2
SSE	.1	1.0	.5	7.7	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.6	9.3	7.6
S	.1	1.7	.3	4.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.1	5.7
SSW	.0	.7	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	4.7
SW	.1	1.3	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.5	4.2
WSW	.1	.9	.1	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.7	5.5
W	.1	1.5	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.2	5.0
WNW	.0	.6	.1	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	6.1
NW	.1	.8	.1	1.2	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.2	6.0
NNW	.0	.6	.1	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.8	5.5
CALM	1.0	15.5													1.0	15.5	
TOTAL	2.2	33.3	3.9	59.5	.3	5.0	.1	1.5	.0	.5	.0	.1	.0	.0	6.6	100	6.0

ROA ROANOKE, VA
 CLASS 4 /DAY
 CEILING-VISIBILITY
 WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: ROA ROANOKE, VA

CLASS 4 / DAY

NO. OBS.: 607

STATION NUMBER: 13741

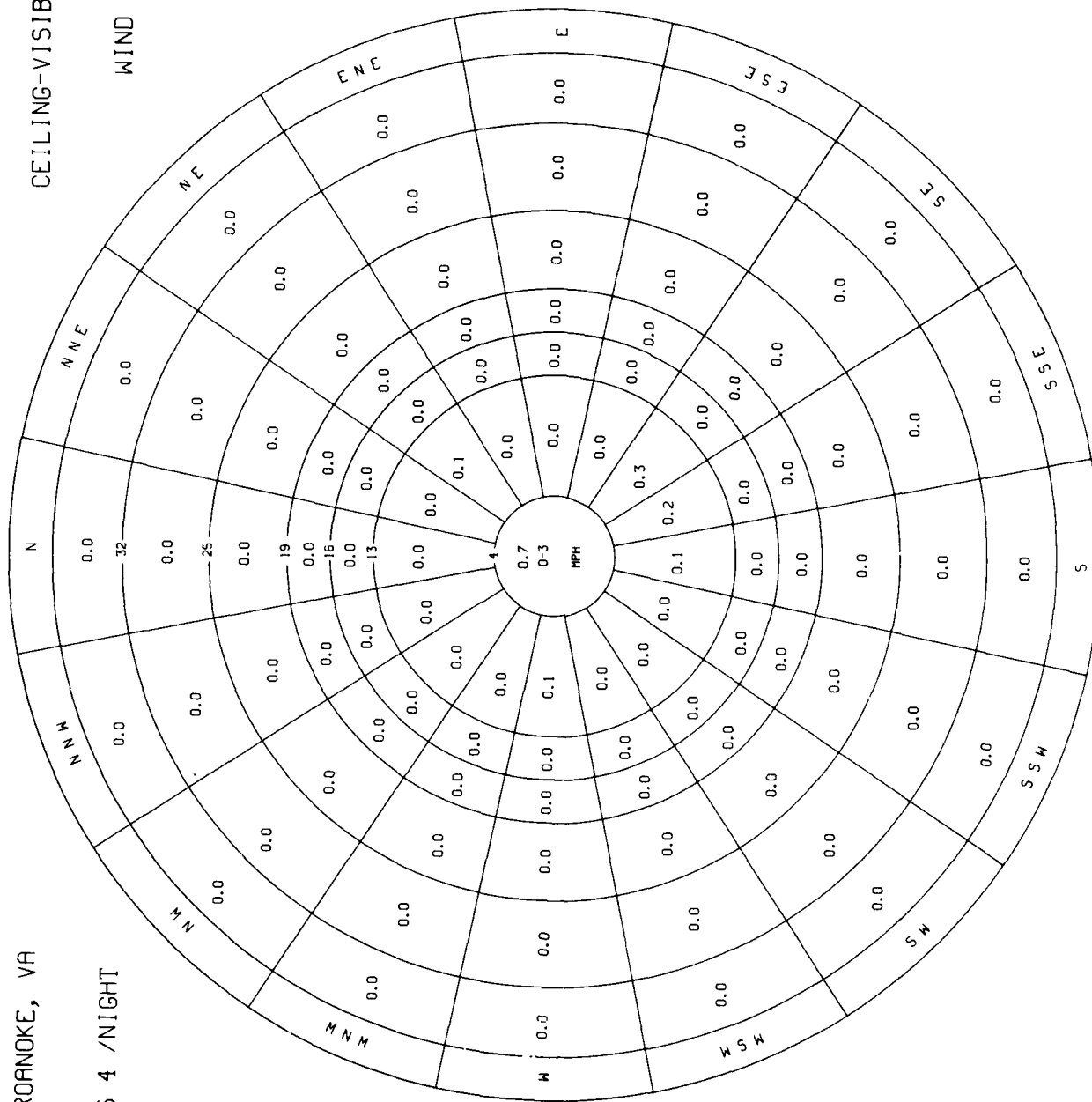
D I R*	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.8	.0	2.6	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.5
NNE	.0	.7	.0	3.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.0	7.3
NE	.0	1.3	.0	2.3	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.1	4.1	7.0
ENE	.0	.7	.0	1.3	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.9
E	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.9
ESE	.0	.3	.1	5.1	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	6.3	8.9
SE	.0	3.1	.2	17.6	.0	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	23.1	7.8
SSE	.0	1.3	.1	11.5	.0	1.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.2	14.2	7.6
S	.0	2.3	.1	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.9	5.9
SSW	.0	1.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.5
SW	.0	1.5	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.5
WSW	.0	.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.4
W	.0	1.2	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.4
WNW	.0	.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.2
NW	.0	.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	1.6	7.2
NNW	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.5
CALM	.2	16.1														.2	16.1	
TOTAL	.4	33.1	.8	60.8	.1	4.1	.0	1.5	.0	.3	.0	.2	.0	.0	1.2	100		5.8

ROA ROANOKE, VA

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 705

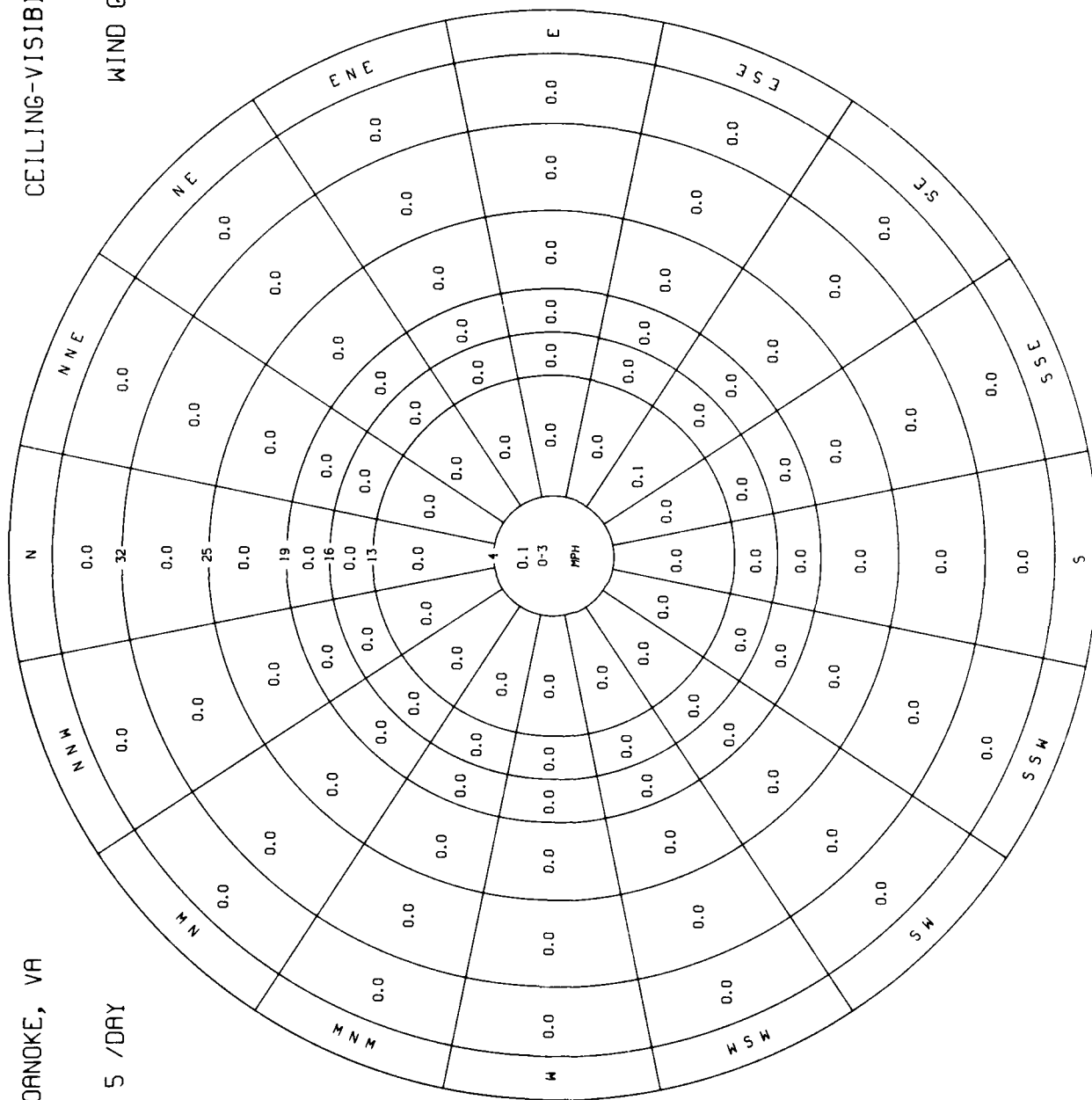
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
NNE	.0	1.1	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
NE	.0	.9	.1	3.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 4.4
ENE	.0	.1	.0	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0 1.8
E	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
ESE	.0	.6	.0	2.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1 3.7
SE	.1	4.0	.3	16.0	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.4 21.1
SSE	.0	1.6	.2	10.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2 12.3
S	.0	2.0	.1	7.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 10.2
SSW	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
SW	.0	2.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.0
WSW	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
W	.0	1.7	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.8
WNW	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.3
NW	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.0
NNW	.0	.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
CALM	.3	18.3													.3 18.3
TOTAL	.7	38.6	1.0	57.9	.0	2.6	.0	.9	.0	.1	.0	.0	.0	.0	1.7 100
															5.2

CEILING-VISIBILITY

WIND GRAPH

ROA ROANOKE, VA

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 13741

NO. OBS.: 178

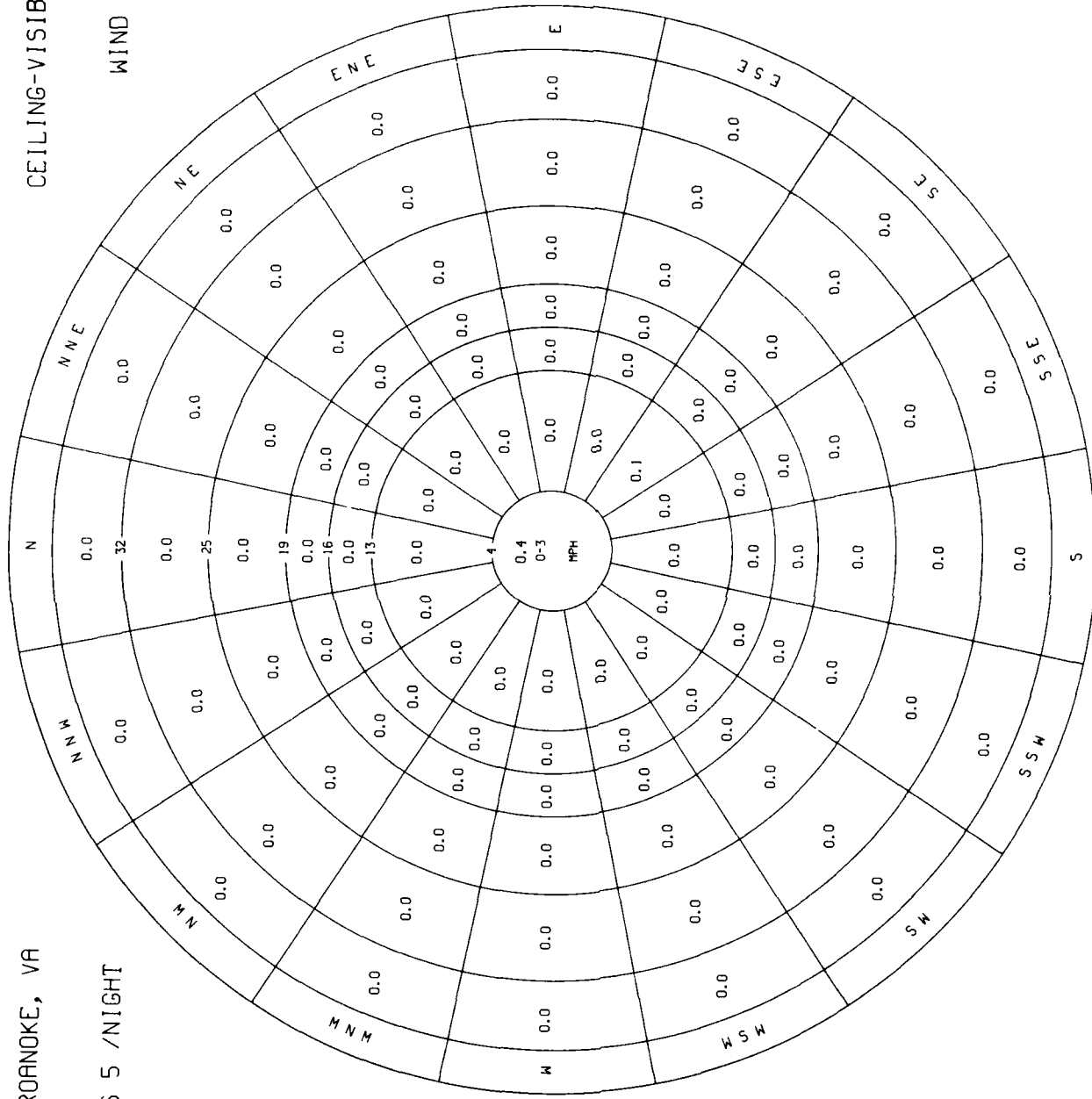
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.1
NNE	.0	.0	.0	2.2	.0	.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0 3.9
NE	.0	.6	.0	2.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.9
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
E	.0	2.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
ESE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SE	.0	3.4	.1	14.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 18.5
SSE	.0	3.4	.0	9.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 12.9
S	.0	3.9	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 11.8
SSW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SW	.0	2.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
WSW	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
W	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.5
WNW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NW	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NNW	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
CALM	.1	19.1													.1 19.1
TOTAL	.1	41.0	.2	54.5	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	.0	.4 100

ROA ROANOKE, VA

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 313

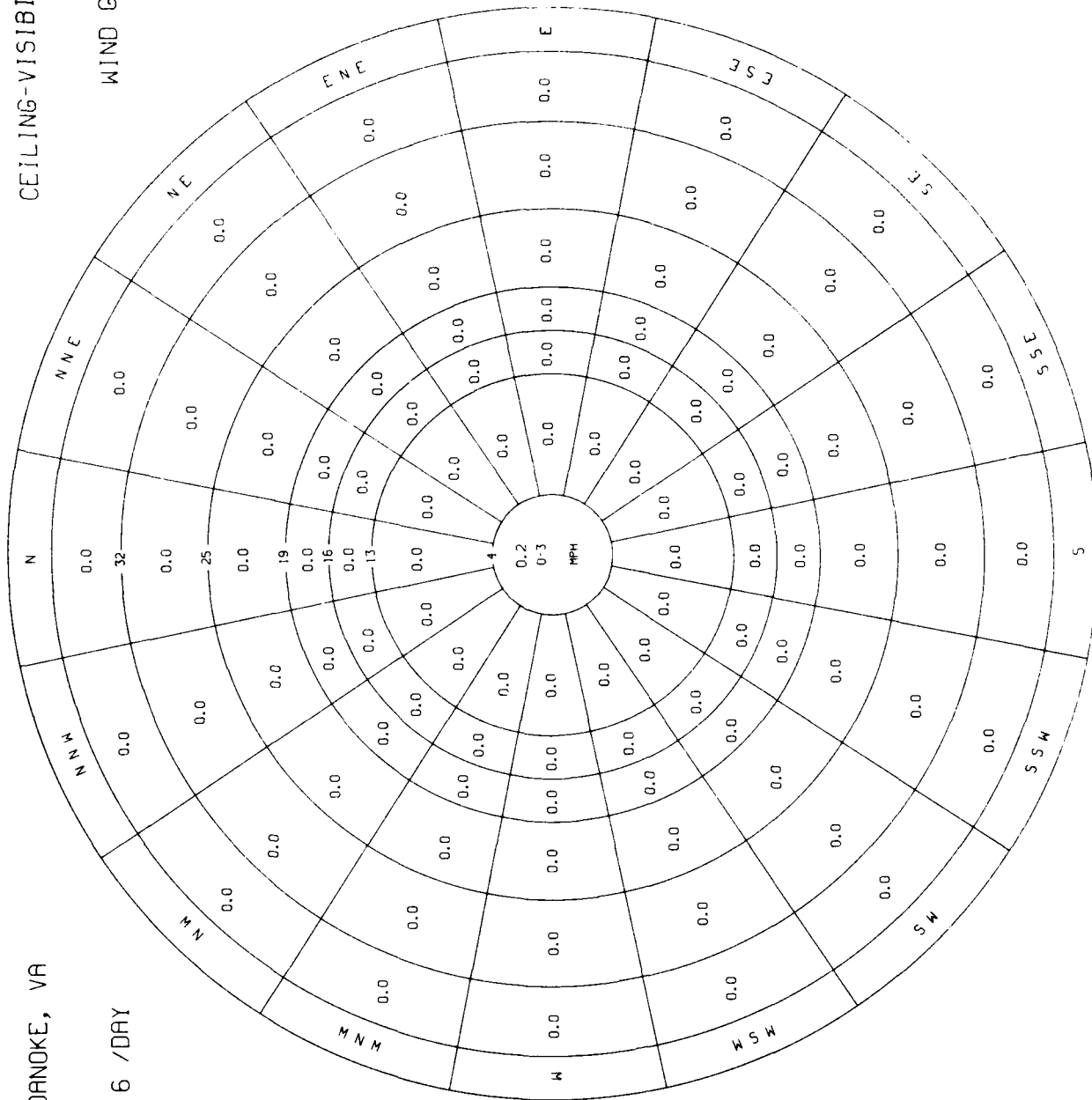
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.0	1.3	.0	4.2	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	6.1	7.4
NNE	.0	1.6	.0	4.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	6.7	6.7
NE	.0	1.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
ENE	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
E	.0	.3	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.8
ESE	.0	.3	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.1
SE	.0	1.9	.1	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	13.7	6.9
SSE	.0	2.6	.0	6.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.3	6.0
S	.0	1.6	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3	6.3
SSW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.0
SW	.0	1.9	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.0
WSW	.0	1.3	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	4.7
W	.0	1.9	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	4.6
WNW	.0	.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.3
NW	.0	1.9	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	4.4
NNW	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.6
CALM	.2	27.2														.2	27.2	
TOTAL	.4	47.9	.4	50.2	.0	1.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.8	100	4.3

ROA ROANOKE, VA

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 6 / DAY

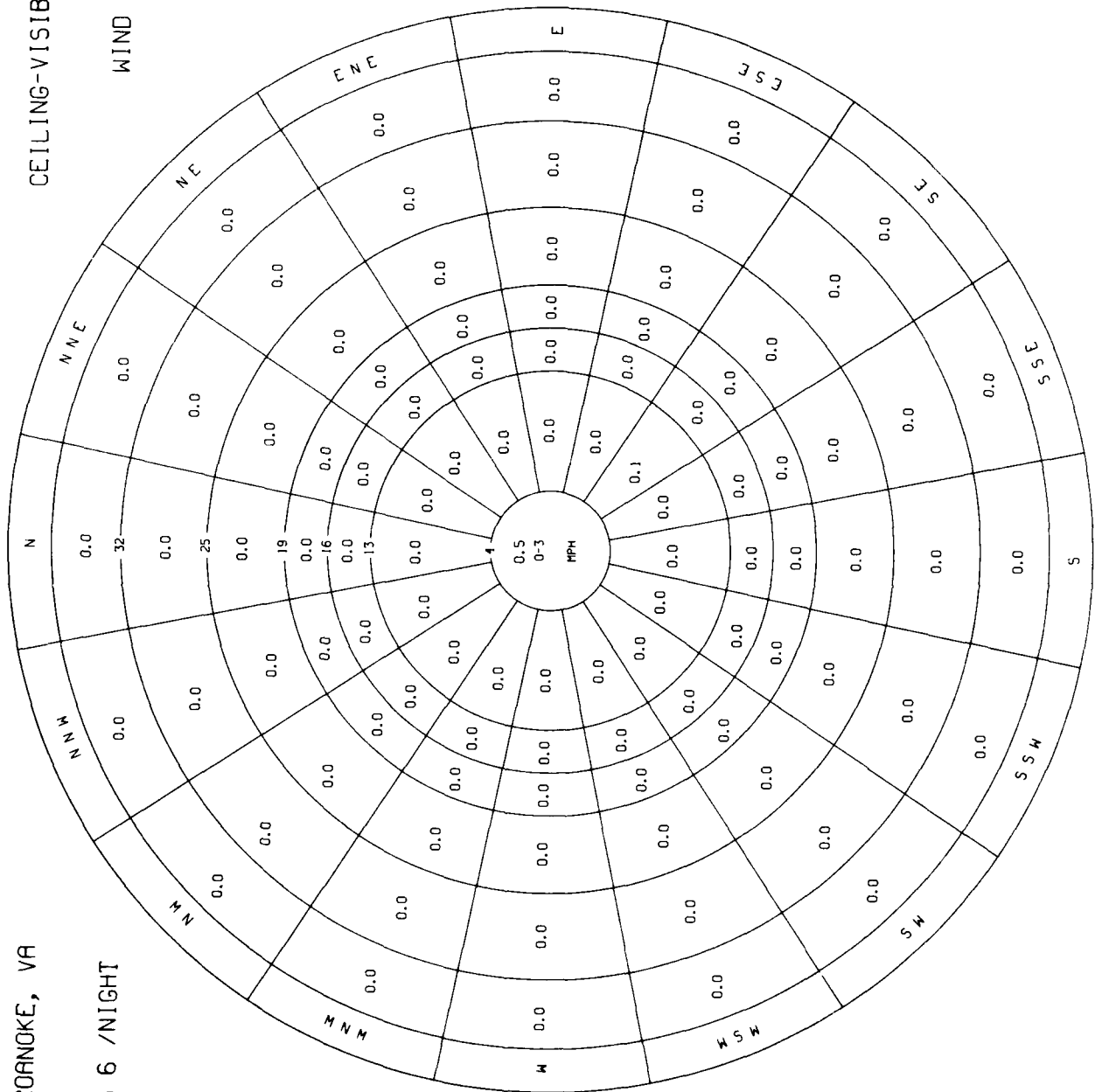
STATION NUMBER: 13741

NO. OBS.: 173

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	2.9	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	5.0
NNE	.0	1.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.4
NE	.0	4.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	4.1
ENE	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
E	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.0
ESE	.0	.6	.0	3.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.8
SE	.0	1.7	.0	7.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	7.3
SSE	.0	.6	.0	8.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	7.2
S	.0	2.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.4
SSW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.0
SW	.0	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.3
WSW	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
W	.0	2.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	3.6
WNW	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.2
NW	.0	1.2	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.4
NNW	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.7
CALM	.1	31.8													.1	31.8	
TOTAL	.2	57.8	.1	39.9	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	100	3.7

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROA ROANOKE, VA

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13741

NO. OBS.: 320

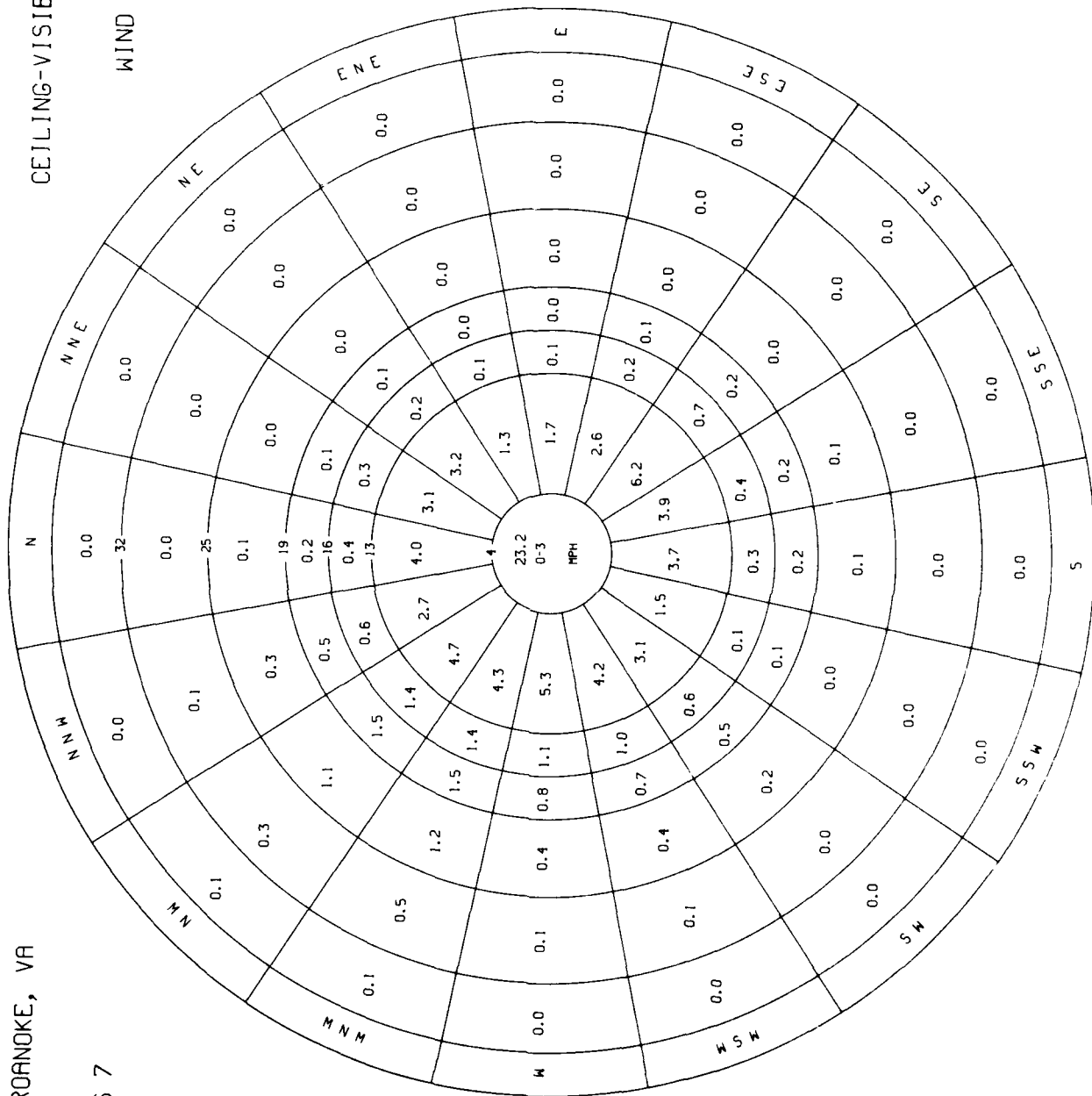
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.9	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 6.3
NNE	.0	.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
NE	.0	2.2	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.9
ENE	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
E	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.3	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SE	.0	3.1	.1	6.9	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.1 11.6
SSE	.0	1.9	.0	5.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1 7.5
S	.0	2.5	.0	3.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0 6.3
SSW	.0	.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	3.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.3
WSW	.0	1.6	.0	.9	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 2.8
W	.0	1.6	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
WNW	.0	.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NW	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
NNW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
CALM	.3	32.8													.3 32.8
TOTAL	.5	59.1	.3	38.4	.0	1.6	.0	.3	.0	.6	.0	.0	.0	.0	.8 100

ROA ROANOKE, VA

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

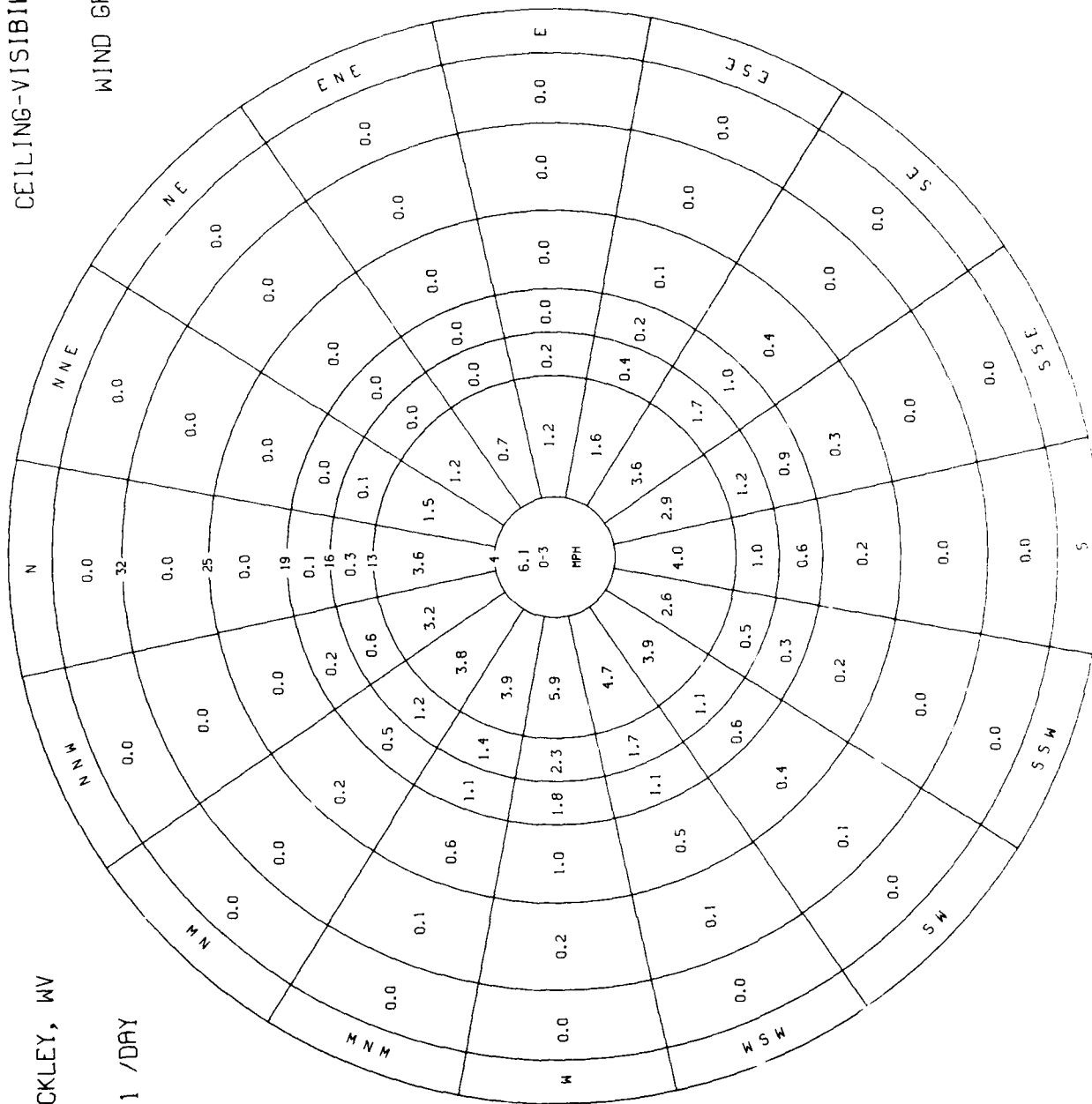


CEILING-VISIBILITY

WIND GRAPH

BKW BECKLEY, WV

CLASS 1 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 1 / DAY

STATION NUMBER: 03872

NO. OBS.: 18971

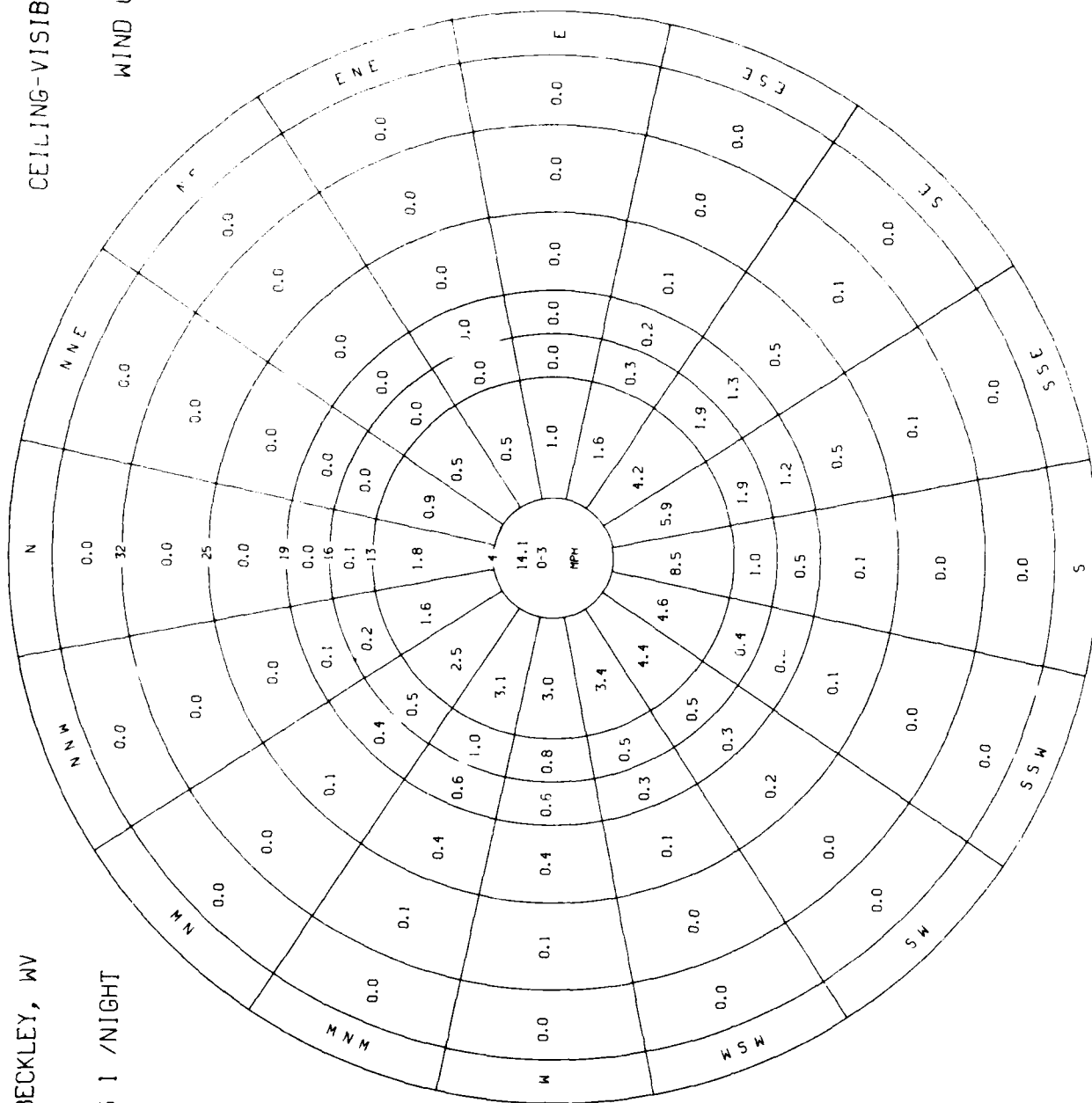
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.2	3.6	4.4	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.1 5.1
NNE	.1	.1	1.5	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7 2.1
NE	.1	.2	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.7
ENE	.1	.2	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 1.1
E	.2	.2	1.2	1.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.5 1.9
ESE	.2	.2	1.6	2.0	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	2.5 3.1
SSE	.2	.3	3.6	4.4	1.7	2.1	1.0	1.2	.4	.5	.0	.0	.0	.0	6.9 8.4
S	.1	.2	2.9	3.6	1.2	1.5	.9	1.1	.3	.4	.0	.0	.0	.0	5.6 6.8
SSW	.3	.4	4.0	4.9	1.0	1.3	.6	.8	.2	.2	.0	.1	.0	.0	6.2 7.7
SW	.2	.2	2.6	3.2	.5	.6	.3	.4	.2	.2	.0	.1	.0	.0	3.8 4.7
WSW	.1	.2	3.9	4.8	1.1	1.4	.6	.8	.4	.5	.1	.1	.0	.0	6.2 7.7
W	.1	.2	4.7	5.8	1.7	2.1	1.1	1.4	.5	.6	.1	.1	.0	.0	8.3 10.2
WNW	.2	.2	5.9	7.3	2.3	2.8	1.8	2.2	1.0	1.3	.2	.3	.0	.0	11.4 14.0
NW	.1	.1	3.9	4.8	1.4	1.7	1.1	1.4	.6	.7	.1	.2	.0	.0	7.3 8.9
NNW	.1	.2	3.8	4.7	1.2	1.5	.5	.6	.2	.2	.0	.0	.0	.0	5.9 7.2
CALM	.1	.2	3.2	3.9	.6	.7	.2	.3	.0	.0	.0	.0	.0	.0	4.1 5.1
TOTAL	6.1	7.5	48.4	59.4	13.8	16.9	8.6	10.6	3.9	4.8	.6	.8	.1	.1	81.5 100

BKW BECKLEY, WV

CLASS 1 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 1 / NIGHT

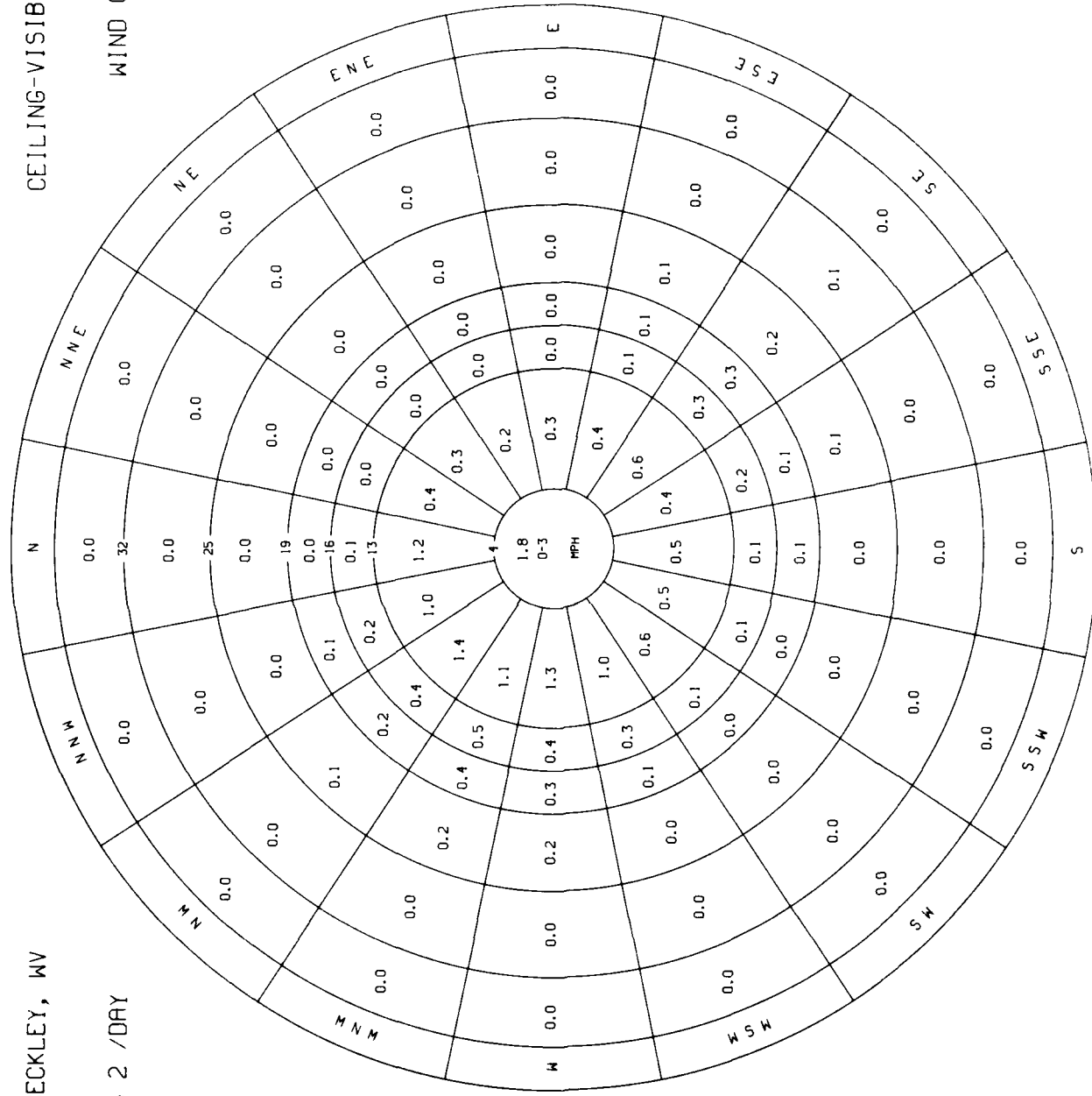
STATION NUMBER: 03872

NO. OBS.: 16342

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.2	.3	1.8	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1 2.7
NNE	.2	.2	.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1 1.4
NE	.2	.2	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .9
ENE	.2	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 .9
E	.4	.5	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.8
ESE	.3	.3	1.6	2.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.4 3.0
SE	.3	.4	4.2	5.3	1.9	2.4	1.3	1.6	.5	.7	.1	.1	.0	.0	8.3 10.5
SSE	.4	.5	5.9	7.4	1.9	2.4	1.2	1.5	.5	.7	.1	.1	.0	.0	10.0 12.6
S	.8	1.0	8.5	10.7	1.0	1.3	.5	.6	.1	.2	.0	.0	.0	.0	10.9 13.7
SSW	.4	.5	4.6	5.8	.4	.6	.2	.2	.1	.1	.0	.0	.0	.0	5.7 7.1
SW	.2	.3	4.4	5.5	.5	.7	.3	.4	.2	.2	.0	.0	.0	.0	5.7 7.1
WSW	.3	.4	3.4	4.3	.5	.7	.3	.3	.1	.2	.0	.0	.0	.0	4.7 6.0
W	.3	.4	3.0	3.7	.8	1.0	.6	.7	.4	.5	.1	.1	.0	.0	5.1 6.4
WNW	.2	.2	3.1	3.9	1.0	1.3	.6	.8	.4	.5	.1	.1	.0	.0	5.4 6.8
NW	.1	.1	2.5	3.2	.5	.7	.4	.4	.1	.2	.0	.0	.0	.0	3.7 4.6
NNW	.1	.2	1.6	2.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0 2.5
CALM	9.5	11.9													9.5 11.9
TOTAL	14.1	17.8	47.6	59.8	9.3	11.7	5.5	6.9	2.5	3.1	.4	.5	.1	.1	79.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKN BECKLEY, WV

PERIOD: 1964-1978

CLASS 2 / DAY

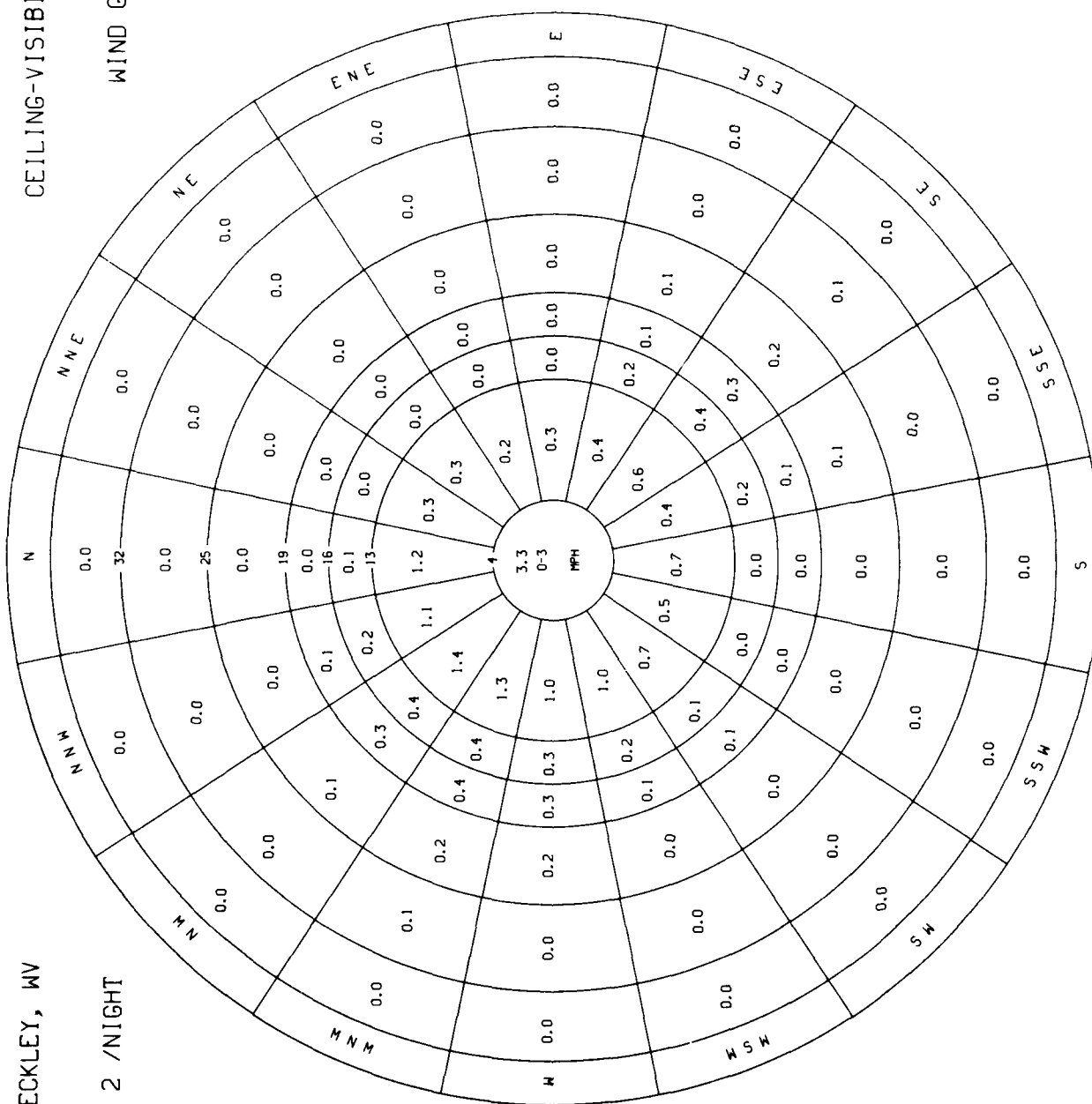
STATION NUMBER: 03872

NO. OBS.: 4310

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	1.2	6.5	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	1.4 7.4
NNE	.0	.1	.4	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.2
NNE	.0	.2	.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.9
ENE	.0	.3	.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.3
E	.1	.4	.3	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5 2.4
ESE	.0	.2	.4	2.0	.1	.7	.1	.5	.1	.3	.0	.1	.0	.1	.7 3.9
SE	.0	.2	.6	3.2	.3	1.5	.3	1.5	.2	1.2	.1	.3	.0	.1	1.5 7.9
SSE	.0	.1	.4	1.9	.2	1.1	.1	.8	.1	.5	.0	.0	.0	.0	.8 4.5
S	.1	.3	.5	2.7	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	.7 3.9
SSW	.0	.2	.5	2.7	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 3.4
SW	.0	.2	.6	3.5	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.9 4.8
WSW	.0	.1	1.0	5.6	.3	1.6	.1	.6	.0	.2	.0	.0	.0	.0	1.5 8.1
W	.0	.3	1.3	6.8	.4	2.2	.3	1.7	.2	.9	.0	.2	.0	.0	2.2 12.0
WNW	.0	.1	1.1	6.1	.5	2.5	.4	2.1	.2	1.1	.0	.1	.0	.0	2.2 11.9
NW	.1	.3	1.4	7.3	.4	1.9	.2	1.1	.1	.4	.0	.0	.0	.0	2.0 11.1
NNW	.0	.2	1.0	5.4	.2	.8	.1	.4	.0	.1	.0	.0	.0	.0	1.3 6.9
CALM	1.2	6.4													1.2 6.4
TOTAL	1.8	9.8	11.1	60.0	2.8	14.9	1.7	9.4	.9	4.9	.1	.8	.0	.2	18.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKN BECKLEY, WV

PERIOD: 1964-1978

CLASS 2 / NIGHT

STATION NUMBER: 03872

NO. OBS.: 4209

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.5	1.2	5.7	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	1.4 6.9
NNE	.0	.2	.3	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.9
NE	.0	.2	.3	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
ENE	.1	.3	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
E	.1	.5	.3	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 2.2
ESE	.1	.3	.4	1.8	.2	.8	.1	.4	.1	.5	.0	.2	.0	.0	.8 3.9
SE	.1	.4	.6	2.9	.4	1.9	.3	1.3	.2	1.0	.1	.4	.0	.0	1.6 7.9
SSE	.0	.2	.4	2.1	.2	.9	.1	.7	.1	.6	.0	.2	.0	.0	1.0 4.7
S	.1	.6	.7	3.3	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.9 4.5
SSW	.1	.3	.5	2.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.7 3.3
SW	.1	.3	.7	3.7	.1	.5	.1	.4	.0	.1	.0	.0	.0	.0	1.0 4.9
WSW	.1	.3	1.0	4.7	.2	.8	.1	.5	.0	.2	.0	.0	.0	.0	1.3 6.4
W	.0	.1	1.0	5.0	.3	1.6	.3	1.3	.2	.9	.0	.2	.0	.0	1.9 9.1
WNW	.0	.2	1.3	6.3	.4	2.1	.4	2.0	.2	1.1	.1	.3	.0	.0	2.5 12.0
NW	.0	.2	1.4	6.8	.4	1.9	.3	1.3	.1	.4	.0	.0	.0	.0	2.2 10.8
NNW	.1	.3	1.1	5.3	.2	.9	.1	.5	.0	.1	.0	.0	.0	.0	1.5 7.1
CALM	2.3	11.4													2.3 11.4
TOTAL	3.3	16.2	11.4	55.7	2.6	12.6	1.8	8.9	1.1	5.2	.3	1.3	.0	.1	20.5 100

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: PKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 3 / DAY

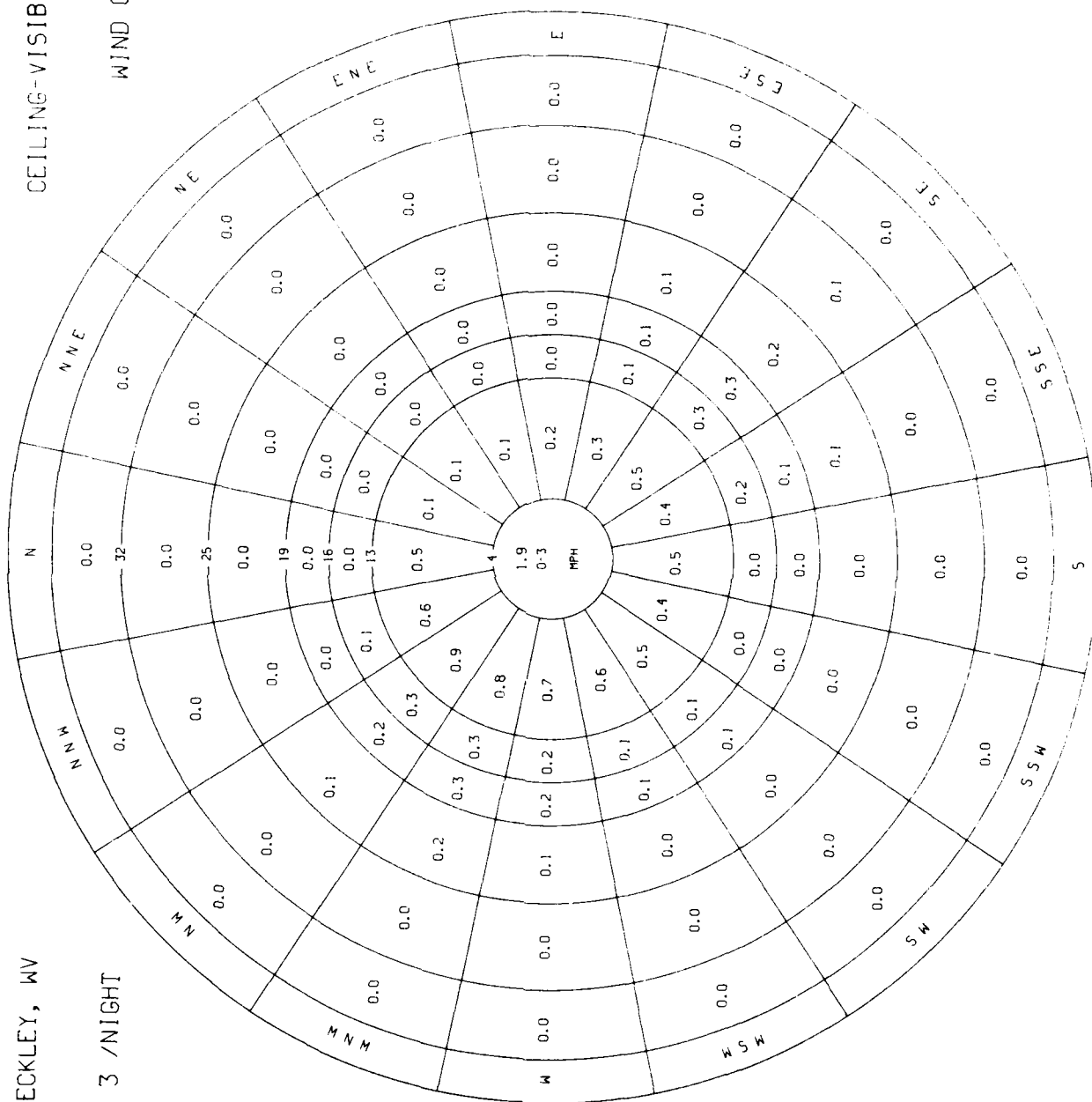
STATION NUMBER: 03872

NO. OBS.: 3153

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	4.8	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.5
NNE	.0	.1	.2	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.8
NE	.0	.2	.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.6
ENE	.0	.1	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
E	.0	.3	.2	1.8	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.6
ESE	.0	.2	.3	2.3	.1	.9	.1	.7	.0	.3	.0	.0	.0	.1	.6 4.5
SE	.0	.2	.5	3.9	.3	1.9	.2	1.8	.2	1.6	.1	.4	.0	.1	1.3 9.9
SSE	.0	.1	.3	2.2	.2	1.5	.1	1.0	.1	.6	.0	.1	.0	.1	.7 5.5
S	.0	.3	.4	3.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.6 4.6
SSW	.0	.2	.4	2.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.6
SW	.0	.2	.5	3.6	.1	1.0	.0	.3	.0	.1	.0	.0	.0	.0	.7 5.2
WSW	.0	.2	.8	5.8	.3	2.0	.1	.7	.0	.2	.0	.1	.0	.0	1.2 9.0
W	.0	.3	.9	6.9	.3	2.5	.3	1.9	.1	.8	.0	.1	.0	.0	1.7 12.5
WNW	.0	.1	.9	6.3	.3	2.5	.3	2.3	.1	.9	.0	.1	.0	.0	1.6 12.1
NW	.0	.2	.9	6.9	.3	2.0	.1	1.0	.0	.3	.0	.0	.0	.0	1.4 10.4
NNW	.0	.1	.6	4.3	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	.7 5.5
CALM	.6	4.7													.6 4.7
TOTAL	1.0	7.4	7.9	58.7	2.3	17.1	1.4	10.7	.7	5.2	.1	.7	.0	.3	13.5 100

CEILING-VISIBILITY
WIND GRAPH

BKW BECKLEY, WV
CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: Bkw BECKLEY, WV

PERIOD: 1964-1978

CLASS 3 / NIGHT

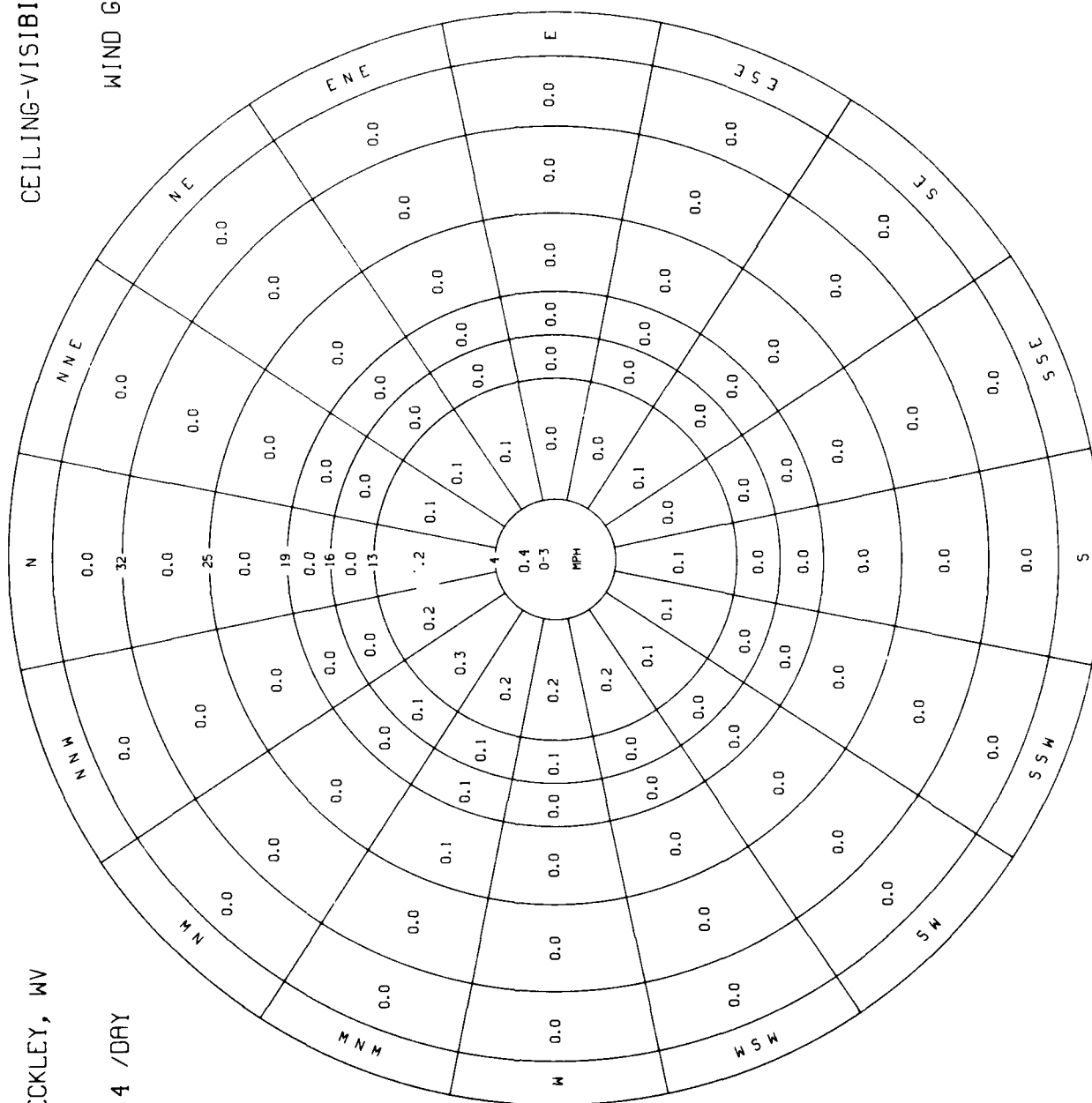
STATION NUMBER: 03872

NO. OBS.: 2815

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		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	3.6	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	4.6	8.3
NNE	.0	.1	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	6.8
NE	.0	.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	6.2
ENE	.0	.1	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	5.2
E	.0	.3	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.3	8.2
ESE	.0	.2	.3	2.2	.1	1.0	.1	.6	.1	.6	.0	.3	.0	.0	.7	4.8	12.8
SE	.1	.4	.5	3.7	.3	2.5	.3	1.8	.2	1.4	.1	.5	.0	.0	1.4	10.3	13.9
SSE	.0	.2	.4	2.6	.2	1.3	.1	1.0	.1	.9	.0	.2	.0	.0	.9	6.2	13.3
S	.1	.6	.5	3.9	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.7	5.4	8.1
SSW	.1	.4	.4	2.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.7	7.5
SW	.0	.2	.5	3.8	.1	.7	.0	.5	.0	.1	.0	.0	.0	.0	.7	5.4	9.7
WSW	.0	.3	.6	4.7	.1	1.0	.1	.6	.0	.2	.0	.0	.0	.0	.9	6.7	9.9
W	.0	.1	.7	5.0	.2	1.7	.2	1.6	.1	1.0	.0	.2	.0	.0	1.3	9.7	12.7
WNW	.0	.2	.8	6.0	.3	2.5	.2	2.1	.2	1.2	.0	.2	.0	.0	1.7	12.3	13.0
NW	.0	.2	.9	6.8	.3	1.9	.0	1.4	.1	.4	.0	.0	.0	.0	1.5	10.7	11.2
NNW	.0	.2	.6	4.2	.1	.6	.0	.4	.0	.1	.0	.0	.0	.0	.7	5.4	9.4
CALM	1.3	9.4													1.3	9.4	
TOTAL	1.9	13.6	7.3	53.3	2.0	14.5	1.5	10.8	.8	6.2	.2	1.5	.0	.1	13.7	100	10.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1964-1978

STATION NAME: BKW BECKLEY, WV

CLASS 4 / DAY

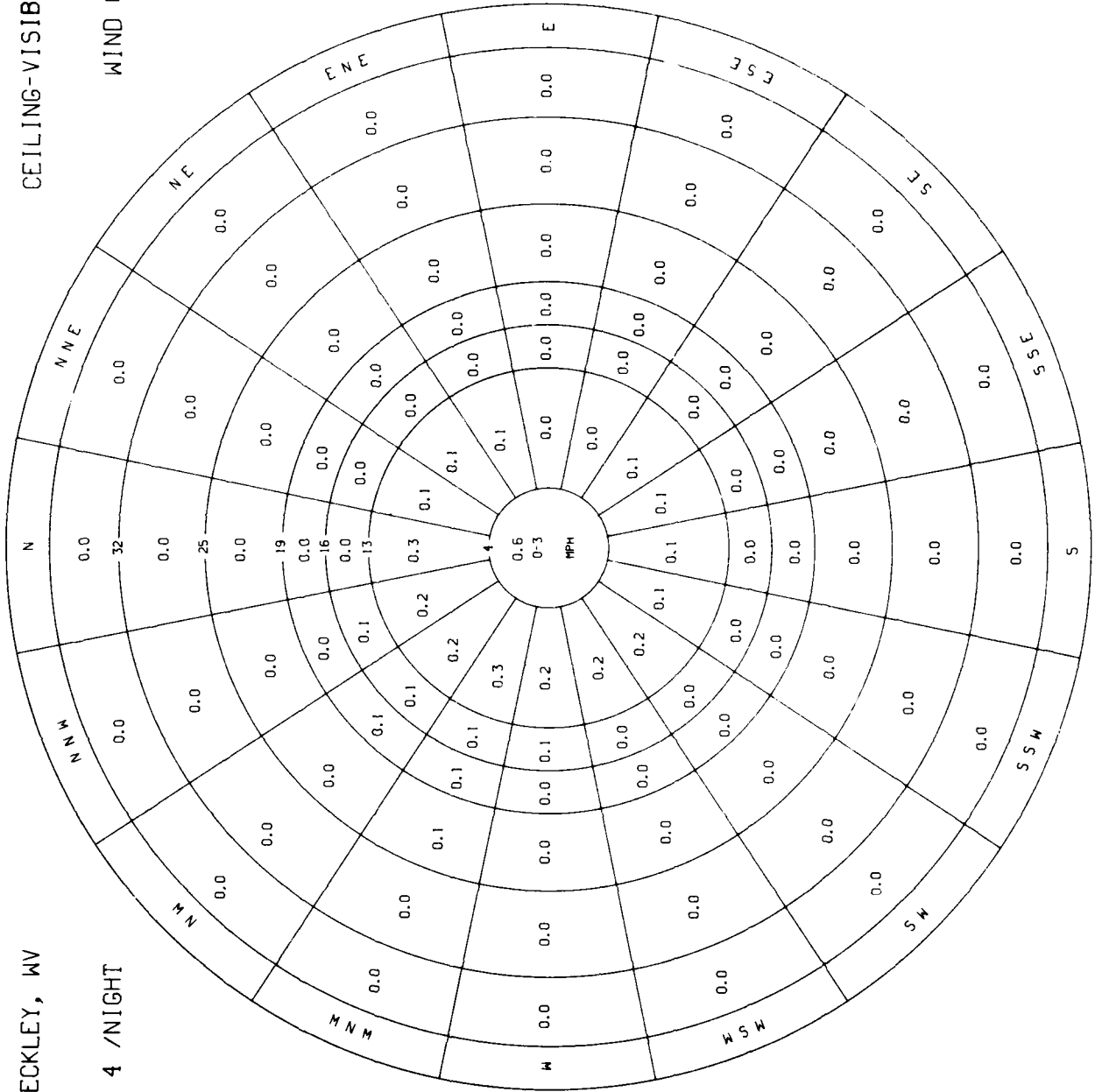
NO. OBS.: 715

STATION NUMBER: 03872

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		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	.2	8.1	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	9.9	8.4
NNE	.0	.3	.1	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	7.1
NE	.0	.1	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	6.6
ENE	.0	.3	.1	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.0	5.6
E	.0	.8	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.8	5.4
ESE	.0	.0	.0	1.4	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	1.7	9.4
SE	.0	.3	.1	1.7	.0	.3	.0	.7	.0	.1	.0	.0	.0	.0	.0	.1	3.1	11.5
SSE	.0	.0	.0	1.1	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.5	11.4
S	.0	.1	.1	2.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	2.4	7.6
SSW	.0	.1	.1	2.1	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	2.8	8.3
SW	.0	.0	.1	3.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	3.2	8.1
WSW	.0	.0	.2	5.3	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.0	.2	6.3	9.5
W	.0	.1	.2	8.1	.1	1.7	.0	1.5	.0	1.4	.0	.7	.0	.0	.0	.4	13.6	12.4
WNW	.0	.0	.2	5.7	.1	3.4	.1	1.8	.1	2.0	.0	.1	.0	.0	.0	.4	13.0	13.3
NW	.0	.8	.3	9.1	.1	2.1	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.4	14.3	10.4
NNW	.0	.4	.2	7.0	.0	.7	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.3	9.2	9.4
CALM	.3	10.2														.3	10.2	
TOTAL	.4	14.3	1.9	61.5	.3	10.8	.2	7.7	.1	4.6	.0	1.1	.0	.0	.0	3.1	100	9.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 4 / NIGHT

STATION NUMBER: 03872

NO. OBS.: 752

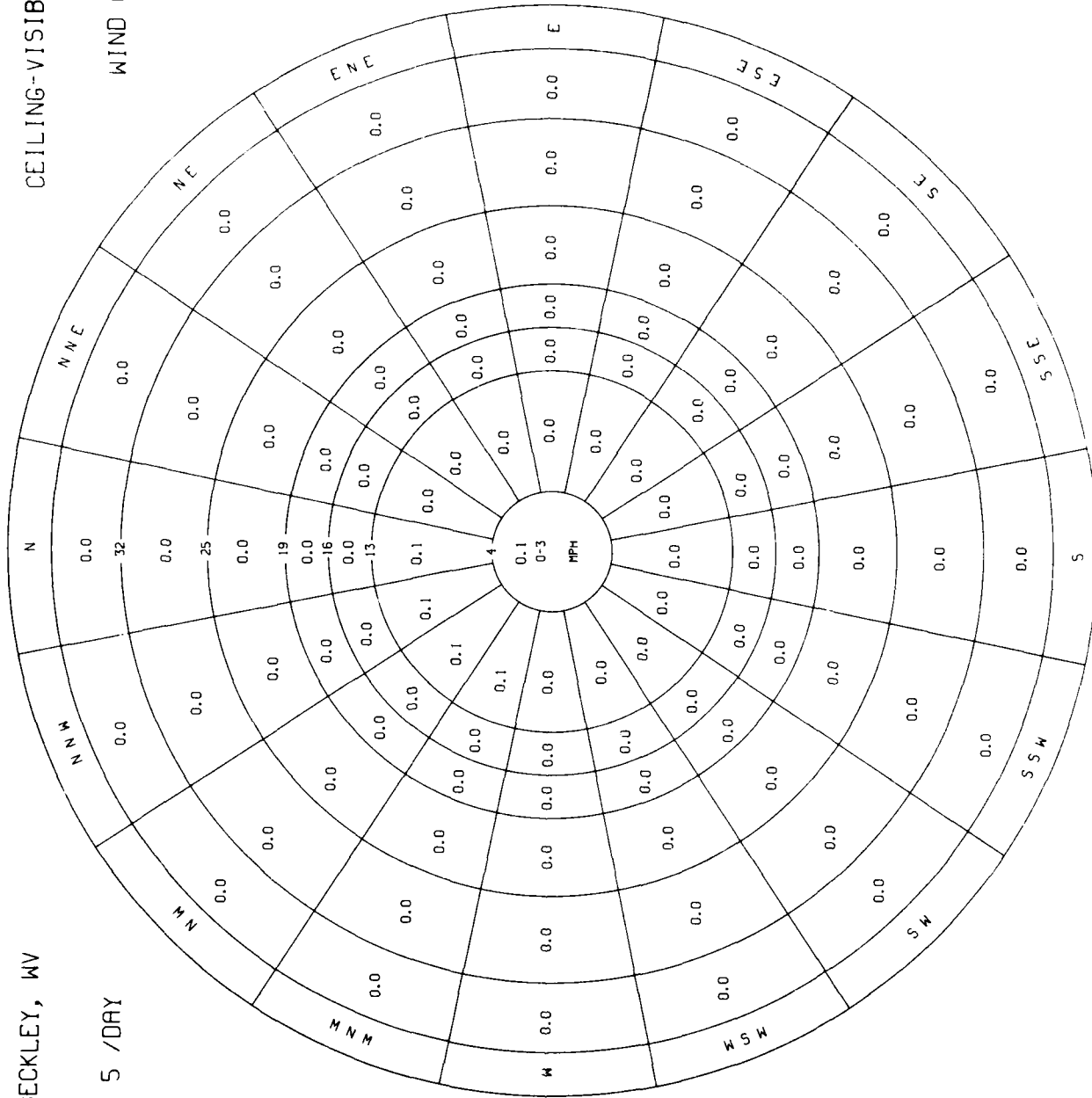
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.8	.3	8.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.4 9.8
NNE	.0	.5	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.4
NE	.0	.1	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
ENE	.0	.5	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.0
E	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.0
ESE	.0	.3	.0	1.2	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.1 2.5
SE	.0	.4	.1	2.0	.0	.9	.0	.5	.0	.7	.0	.1	.0	.0	.2 4.7
SSE	.0	.1	.1	1.5	.0	.3	.0	.1	.0	.0	.0	.1	.0	.1	.1 2.3
S	.0	.5	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
SSW	.0	.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
SW	.0	.4	.2	4.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.8
WSW	.0	.4	.2	5.9	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.3 7.2
W	.0	.1	.2	4.4	.1	2.4	.0	1.1	.0	1.2	.0	.1	.0	.1	.3 9.4
WNW	.0	.4	.3	7.3	.1	2.1	.1	2.4	.1	1.5	.0	.4	.0	.0	.5 14.1
NW	.0	.1	.2	6.5	.1	2.9	.1	1.5	.0	.1	.0	.0	.0	.0	.4 11.2
NNW	.0	.4	.2	5.5	.1	1.9	.0	.8	.0	.1	.0	.0	.0	.0	.4 9.7
CALM	.4	10.1													.4 10.1
TOTAL	.6	16.2	2.2	59.2	.5	12.8	.2	6.6	.2	4.1	.0	.8	.0	.3	3.7 100
															8.9

BKW BECKLEY, WV

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 5 / DAY

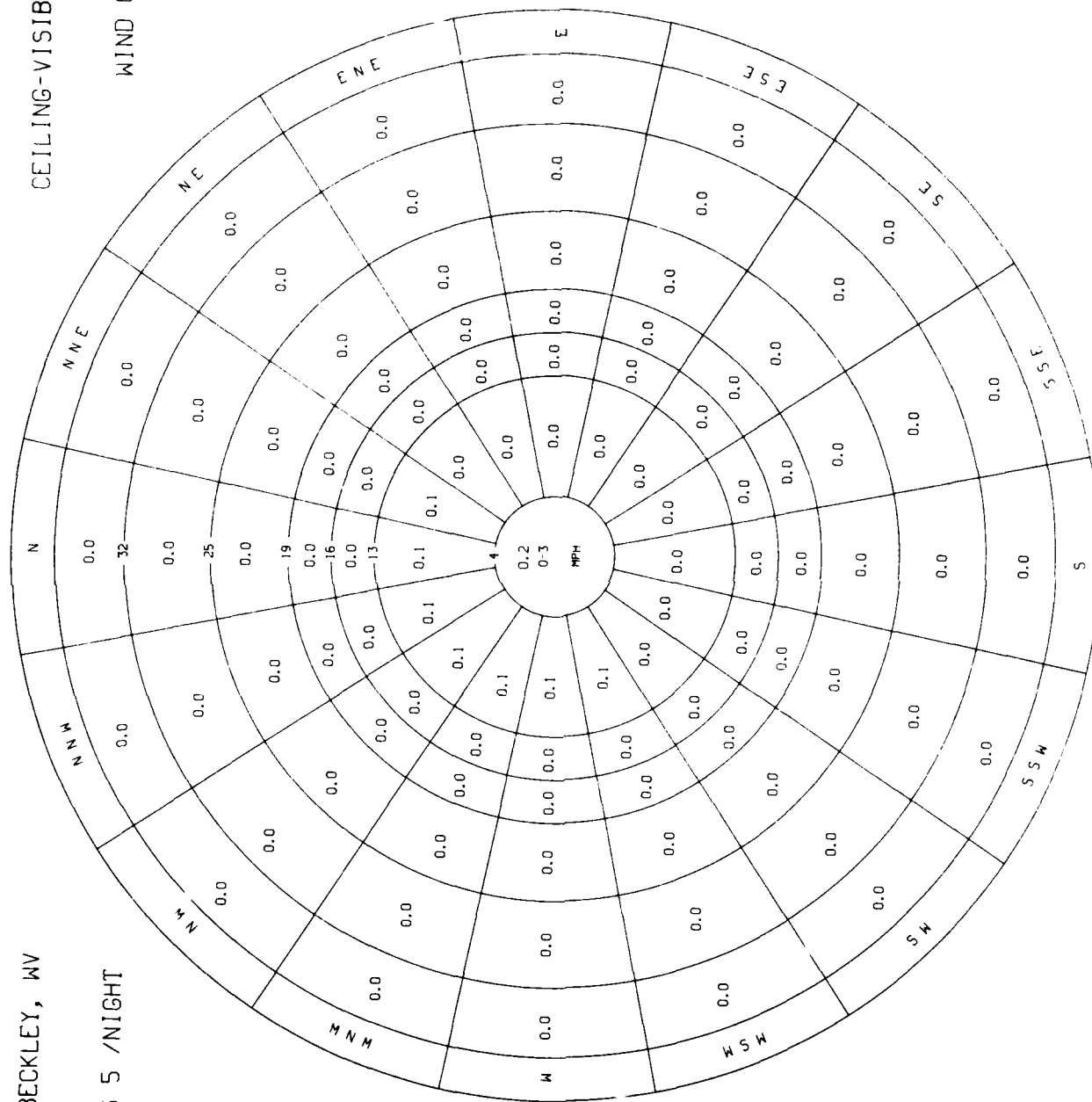
STATION NUMBER: 03872

NO. OBS.: 179

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.1	12.8	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.1 14.5
NNE	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
NE	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
ENE	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
E	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.8
ESE	.0	.6	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.6	.0	.6	.0 3.9
SE	.0	.6	.0	1.1	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0 2.8
SSE	.0	.6	.0	1.1	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.0 2.8
S	.0	.0	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SSW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.4
WSW	.0	.6	.0	3.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0 5.0
W	.0	.6	.0	5.6	.0	1.1	.0	.0	.0	1.7	.0	.6	.0	.0	.1 9.5
WNW	.0	.6	.1	7.8	.0	2.2	.0	2.8	.0	.6	.0	.0	.0	.0	.1 14.0
NW	.0	.0	.1	7.3	.0	.6	.0	1.7	.0	1.1	.0	.0	.0	.0	.1 10.6
NNW	.0	.0	.1	8.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.1 10.6
CALM	.0	5.6													.0 5.6
TOTAL	.1	11.2	.5	67.6	.1	8.4	.0	6.1	.0	5.0	.0	1.1	.0	.6	.8 100
															9.1

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 5 / NIGHT

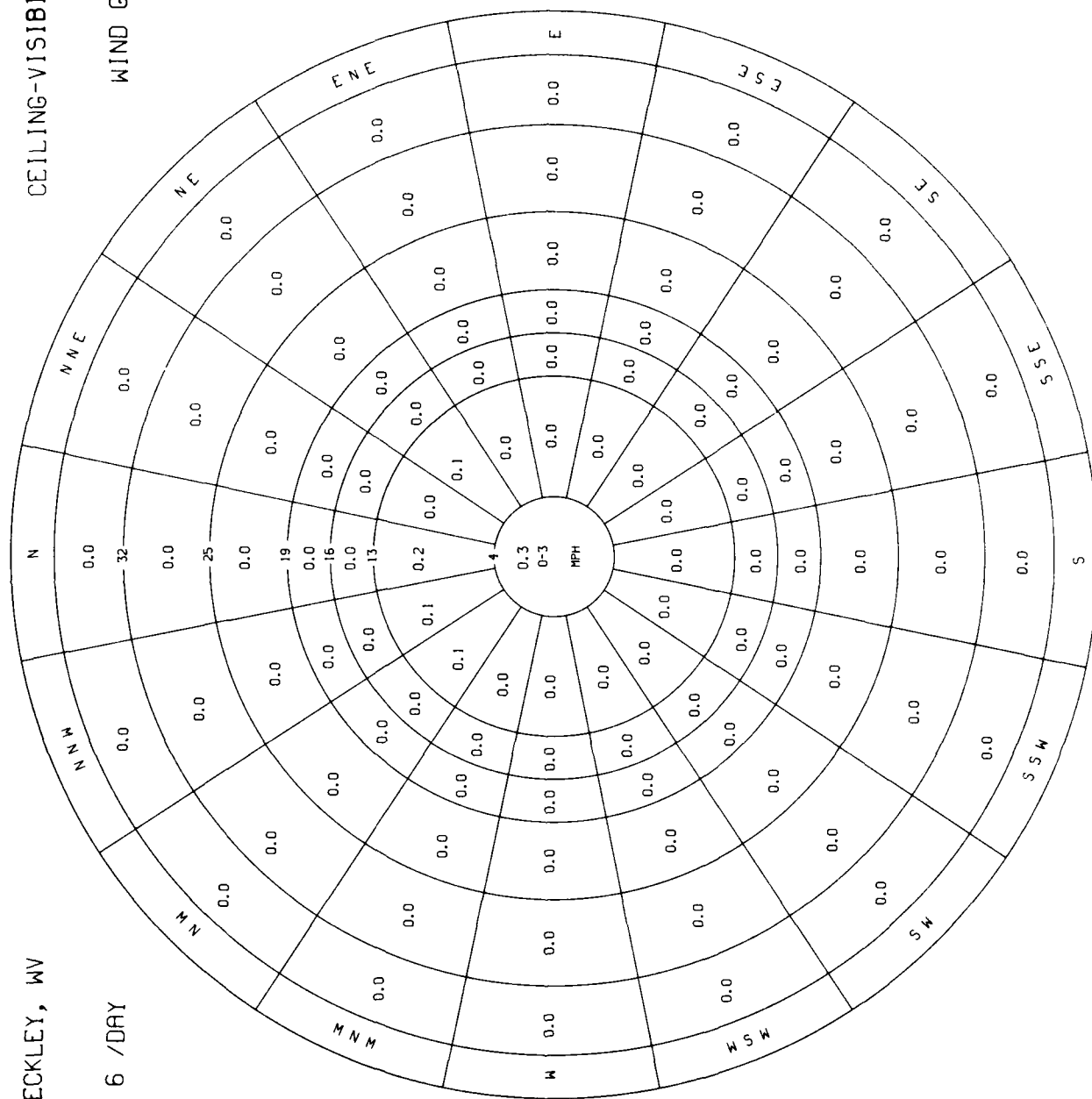
STATION NUMBER: 03872

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	.0	.1	10.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.4	8.9
NNE	.0	.4	.1	5.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.9	6.7
NE	.0	.4	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.2
ENE	.0	1.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.9
E	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.0
ESE	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.8	11.0
SE	.0	.0	.0	.8	.0	.4	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	2.0	17.4
SSE	.0	.4	.0	1.6	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.3
S	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	4.5
SSW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.1
SW	.0	.0	.0	2.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.5
WSW	.0	.4	.1	5.5	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.1	6.3	8.3
W	.0	.4	.1	6.7	.0	.0	.0	.4	.0	.4	.0	.4	.0	.0	.0	.1	8.3	9.3
WNW	.0	.0	.1	8.7	.0	.8	.0	2.0	.0	.8	.0	.4	.0	.0	.0	.2	12.6	11.5
NW	.0	.0	.1	8.7	.0	1.2	.0	.8	.0	.8	.0	.0	.0	.0	.0	.1	11.4	10.4
NNW	.0	.4	.1	9.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	11.0	8.3
CALM	.2	13.4														.2	13.4	
TOTAL	.2	17.7	.9	69.3	.1	4.3	.1	4.7	.0	2.4	.0	1.6	.0	.0	.0	1.2	100	7.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BKW BECKLEY, WV

PERIOD: 1964-1978

CLASS 6 / DAY

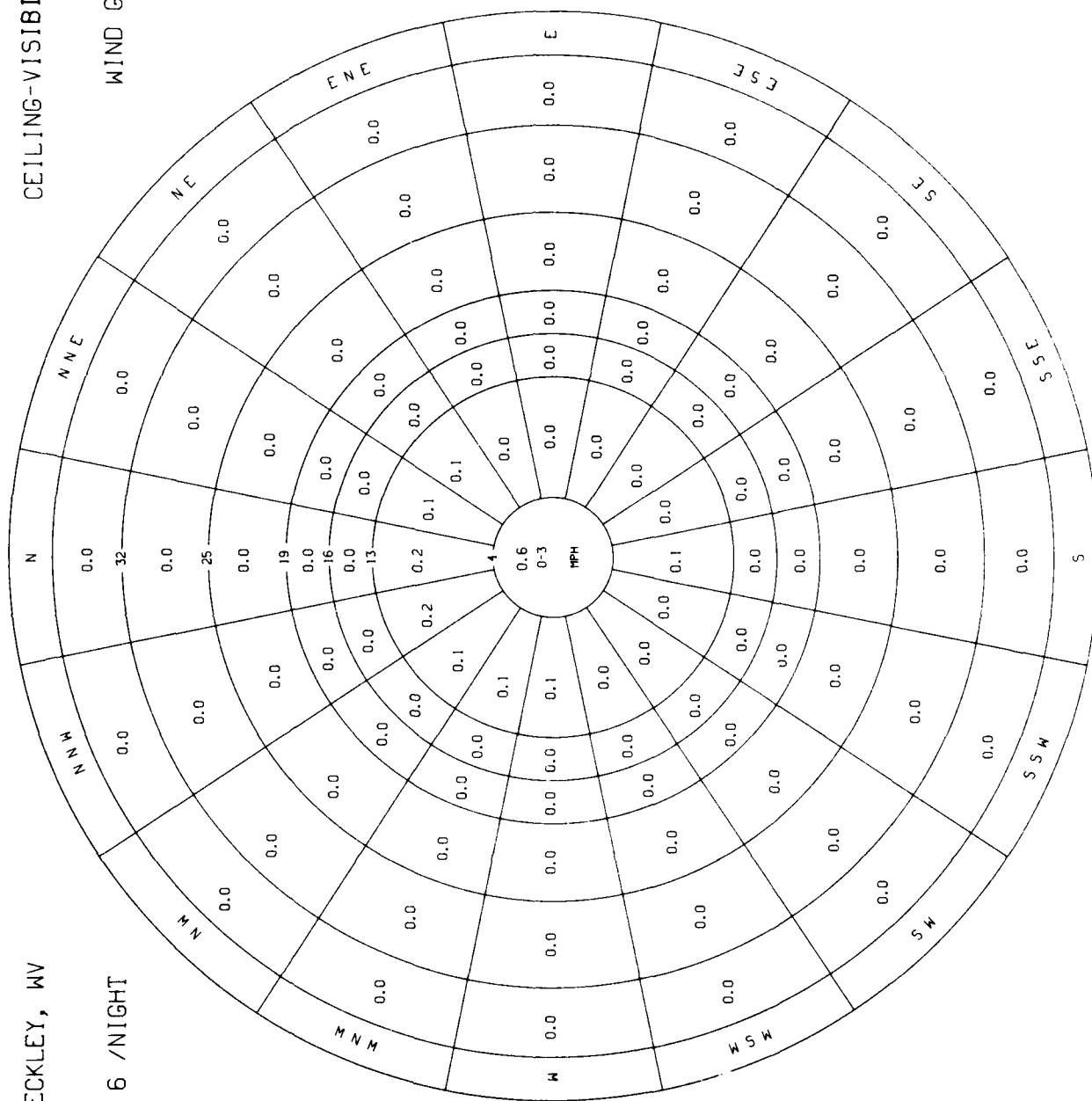
STATION NUMBER: 03872

NO. OBS.: 263

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	.4	.2	17.1	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.2	19.0	8.5
NNE	.0	.4	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.0
NE	.0	.8	.1	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	5.2
ENE	.0	.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.1
E	.0	.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.7
ESE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	10.4
SE	.0	.0	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	1.1	12.7
SSE	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
S	.0	.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.6
SSW	.0	.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.1
SW	.0	.4	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.2
WSW	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.6
W	.0	.0	.0	2.7	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	4.2	10.9
WNW	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	3.8	10.4
NW	.0	.4	.1	7.6	.0	1.5	.0	.4	.0	.4	.0	.0	.0	.0	.0	.1	10.3	9.5
NNW	.0	1.1	.1	12.2	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	15.2	7.8
CALM	.2	16.7																
TOTAL	.3	24.7	.7	66.2	.1	5.3	.0	1.5	.0	1.9	.0	.4	.0	.0	.0	.2	16.7	6.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 8KW BECKLEY, WV

PERIOD: 1964-1978

CLASS 6 / NIGHT

STATION NUMBER: 03872

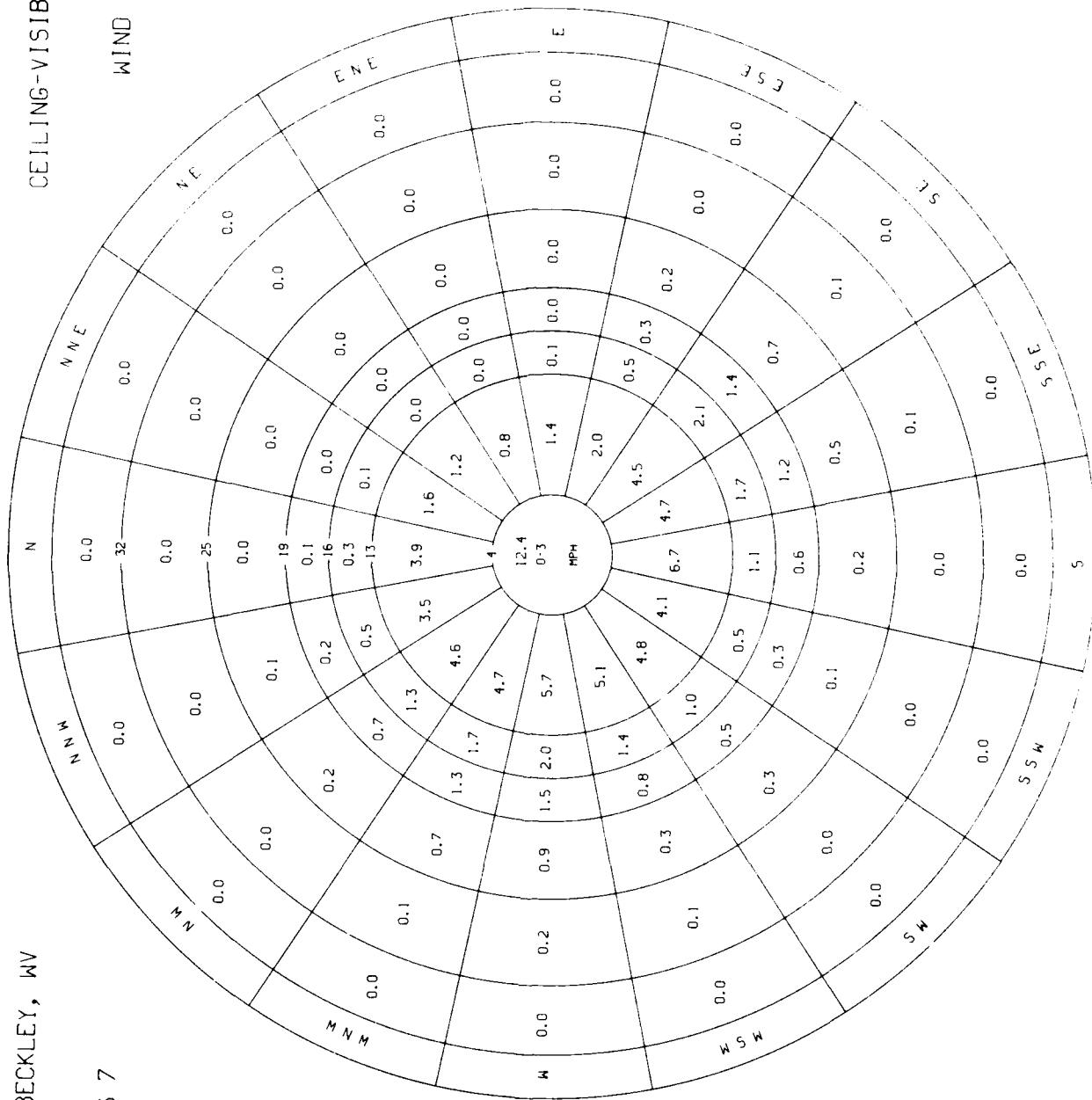
NO. OBS.: 388

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.3	.2	12.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.3 14.7
NNE	.0	.0	.1	3.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1 3.4
NE	.0	.3	.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.9
ENE	.0	.3	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.8
E	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.6
ESE	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0 2.1
SE	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .8
SSE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
S	.0	.5	.1	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
SSW	.0	.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
SW	.0	.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
WSW	.0	.0	.0	2.1	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0 2.6
W	.0	.0	.1	4.6	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.1 5.4
WNW	.0	.0	.1	4.6	.0	.3	.0	.3	.0	.5	.0	.3	.0	.0	.1 5.9
NW	.0	.8	.1	6.4	.0	.8	.0	.8	.0	.8	.0	.3	.0	.0	.2 9.8
NNW	.0	.5	.2	8.8	.0	1.0	.0	1.0	.0	.3	.0	.0	.0	.0	.2 11.6
CALM	.5	26.8													.5 26.8
TOTAL	.6	34.0	1.1	57.2	.1	3.6	.0	2.6	.0	2.1	.0	.5	.0	.0	1.9 100
															5.8

BKW BECKLEY, WV

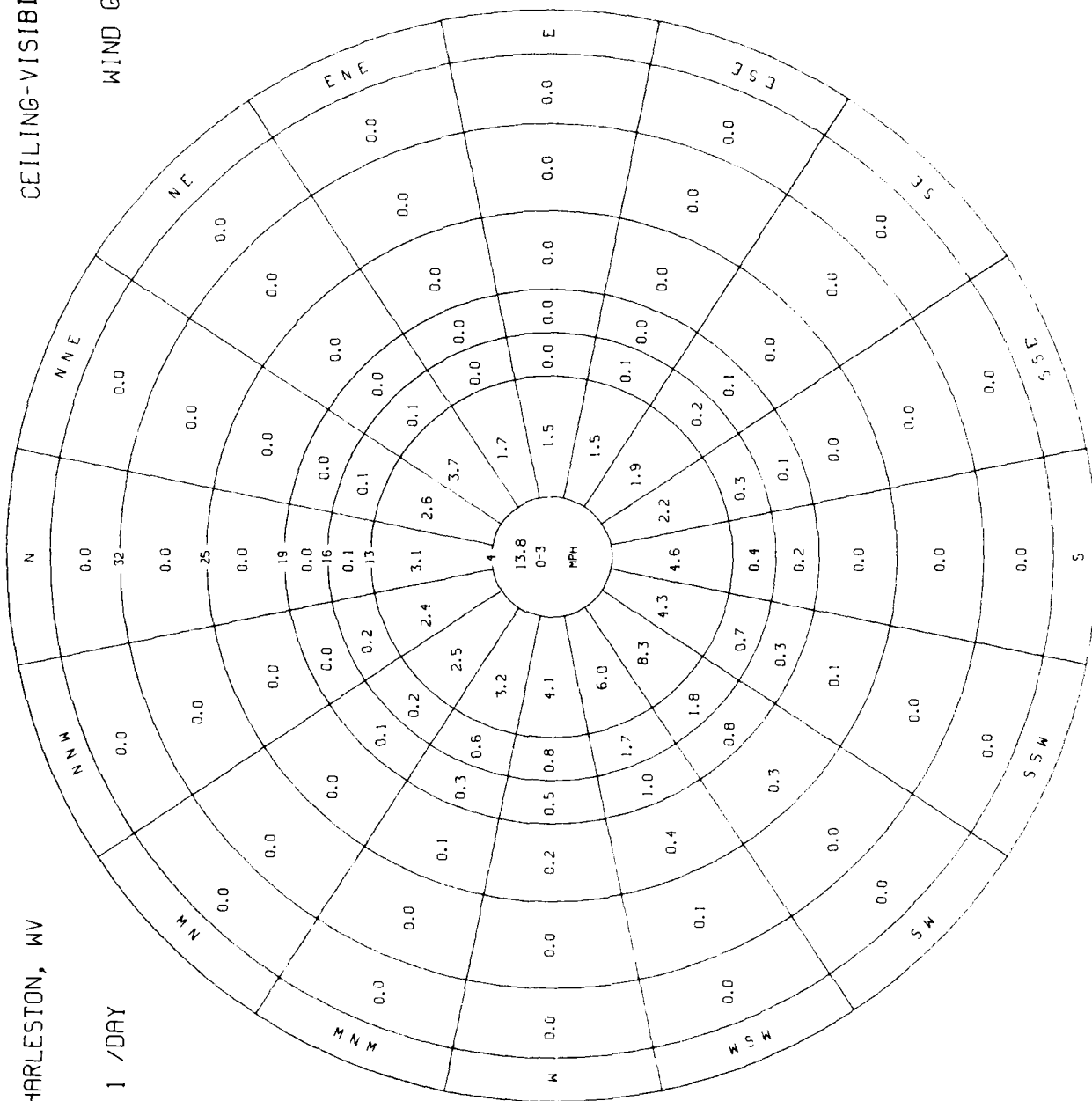
CLASS 7

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CRW CHARLESTON, WV

CLASS 1 / DAY

PRECEDING PAGE BLANK-NOT FILLED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: CRW CHARLESTON, WV

CLASS 1 / DAY

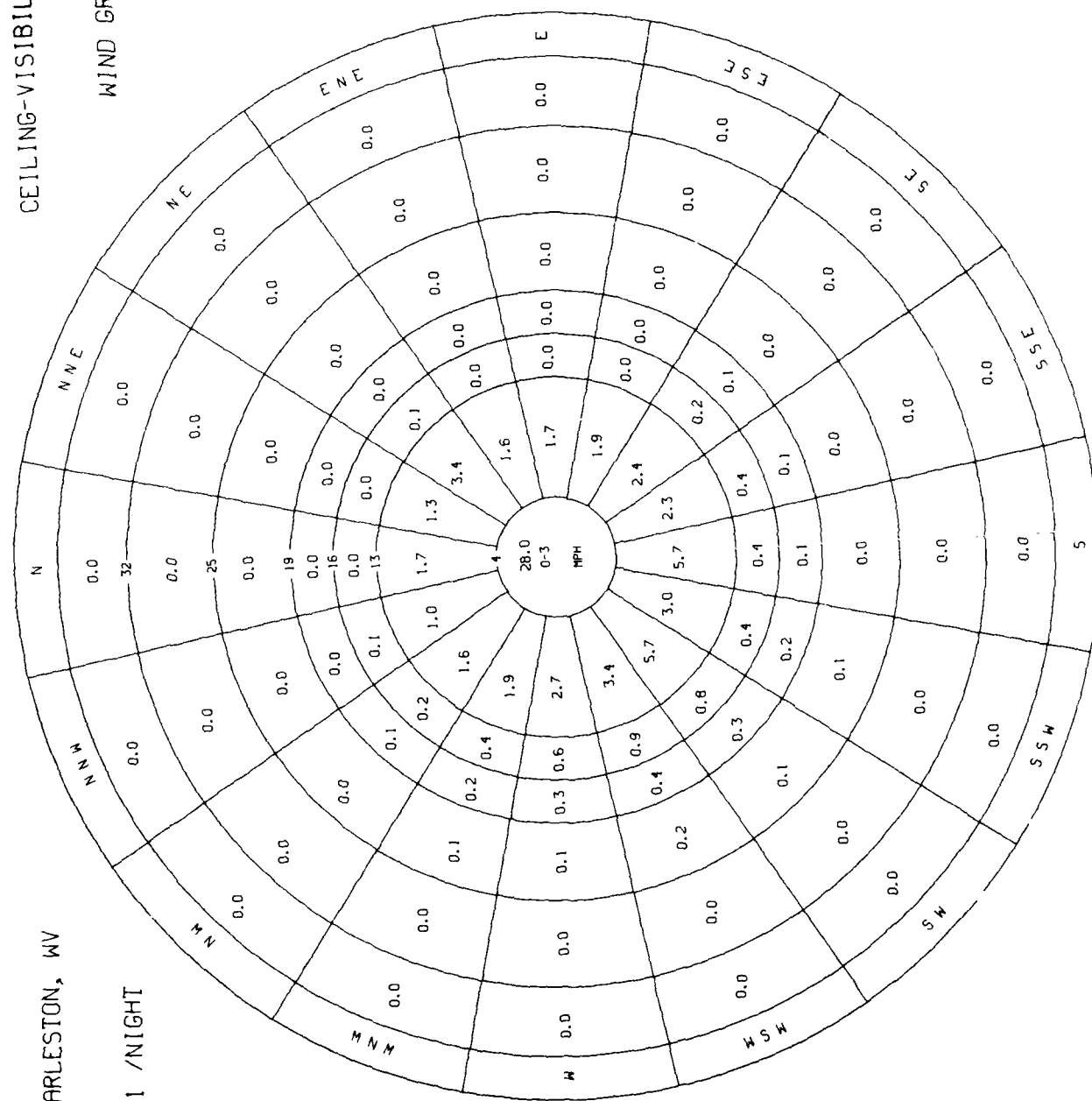
NO. OBS.: 36779

STATION NUMBER: 13866

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.7	.9	3.1	3.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	4.0	5.0	6.5
NNE	.6	.7	2.6	3.2	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.1	6.8
NE	1.0	1.3	3.7	4.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	6.1	6.2
ENE	.7	.8	1.7	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	3.0	5.7
E	.6	.8	1.5	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.7	5.4
ESE	.4	.5	1.5	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.5	6.3
SE	.4	.5	1.9	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	2.6	3.3	7.6
SSE	.4	.5	2.2	2.8	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	3.0	3.7	8.2
S	.6	.8	4.6	5.8	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	5.9	7.4	7.6
SSW	.4	.5	4.3	5.4	.7	.9	.3	.4	.1	.1	.0	.0	.0	.0	.0	5.9	7.3	9.1
SW	.5	.6	8.3	10.3	1.8	2.2	.8	1.0	.3	.4	.0	.1	.0	.0	.0	11.8	14.7	10.0
WSW	.4	.5	6.0	7.5	1.7	2.1	1.0	1.3	.4	.6	.1	.1	.0	.0	.0	9.7	12.1	10.9
W	.5	.6	4.1	5.1	.8	1.0	.5	.7	.2	.3	.0	.0	.0	.0	.0	6.2	7.7	9.9
WNW	.4	.4	3.2	4.0	.6	.8	.3	.4	.1	.1	.0	.0	.0	.0	.0	4.7	5.8	9.5
NW	.4	.5	2.5	3.1	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0	.0	3.3	4.2	8.0
NNW	.4	.5	2.4	3.0	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	3.1	3.8	7.4
CALM	5.3	6.6														5.3	6.6	
TOTAL	13.8	17.2	53.7	67.0	7.4	9.2	3.7	4.6	1.4	1.7	.3	.3	.0	.0	.0	80.2	100	7.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 1 / NIGHT

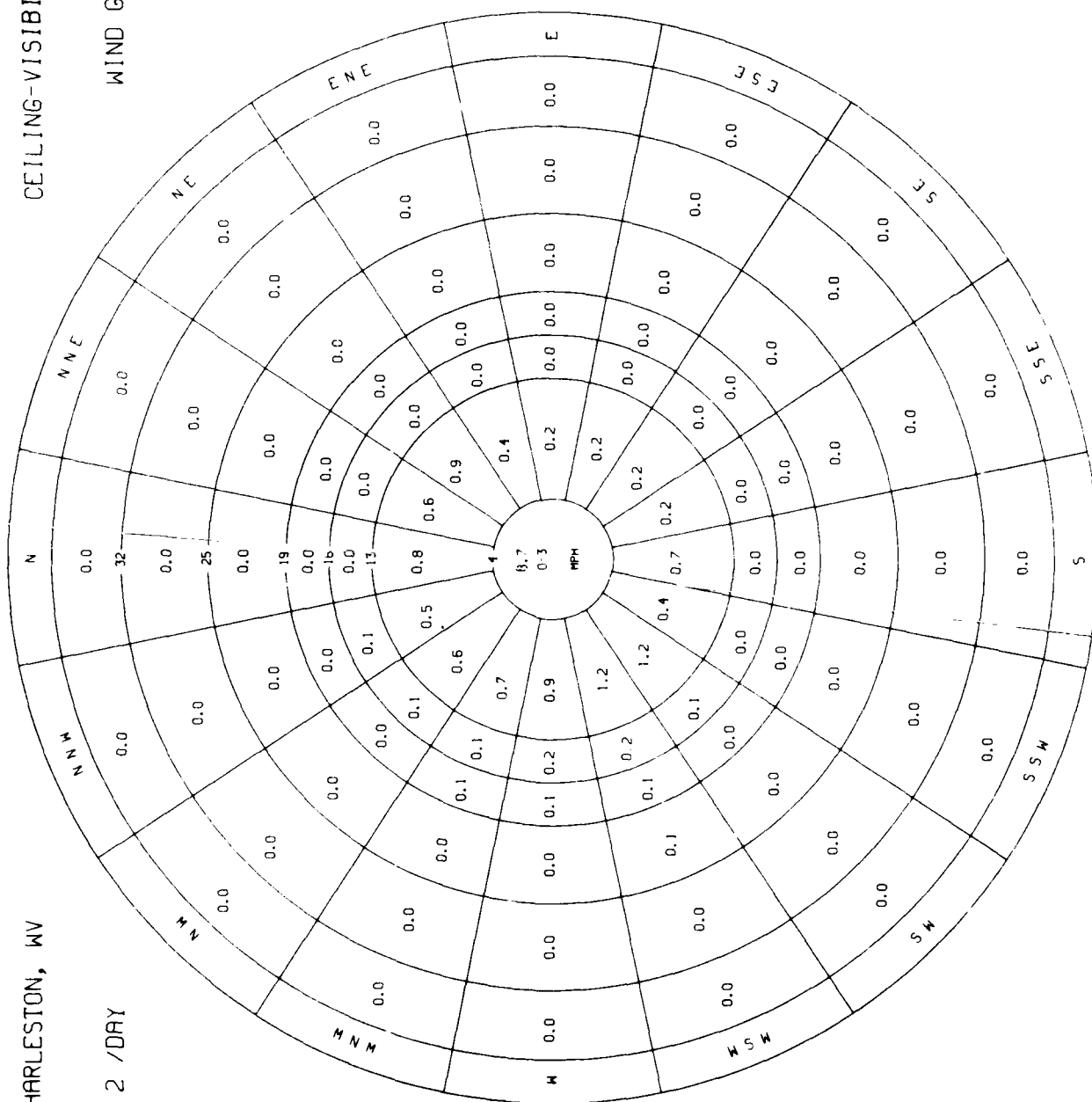
STATION NUMBER: 13866

NO. OBS.: 29559

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.6	.8	1.7	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4 3.2
NNE	.5	.7	1.3	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9 2.5
NNE	1.6	2.2	3.4	4.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.1 6.7
ENE	1.5	1.9	1.6	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5
E	2.0	2.6	1.7	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3
ESE	1.1	1.5	1.9	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.1
SE	1.0	1.3	2.4	3.2	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.5
SE	.5	.7	2.3	3.0	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	7.9
S	1.4	1.8	5.7	7.4	.4	.6	.1	.1	.0	.0	.0	.0	.0	.0	6.8
SSW	.7	.9	3.0	3.9	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	7.8
SW	.7	.9	5.7	7.5	.8	1.0	.3	.3	.1	.1	.0	.0	.0	.0	8.5
WSW	.2	.3	3.4	4.5	.9	1.1	.4	.6	.2	.2	.0	.0	.0	.0	10.2
W	.3	.4	2.7	3.6	.6	.8	.3	.4	.1	.1	.0	.0	.0	.0	9.6
WNW	.2	.2	1.9	2.4	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	9.5
NW	.3	.4	1.6	2.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	8.1
NNW	.3	.4	1.0	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.3
CALM	15.1	19.8													
TOTAL	28.0	36.8	41.3	54.3	4.5	5.8	1.7	2.2	.6	.8	.1	.1	.0	.0	15.1 19.8
															76.1 100
															5.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 2 / DAY

STATION NUMBER: 13866

NO. OBS.: 9088

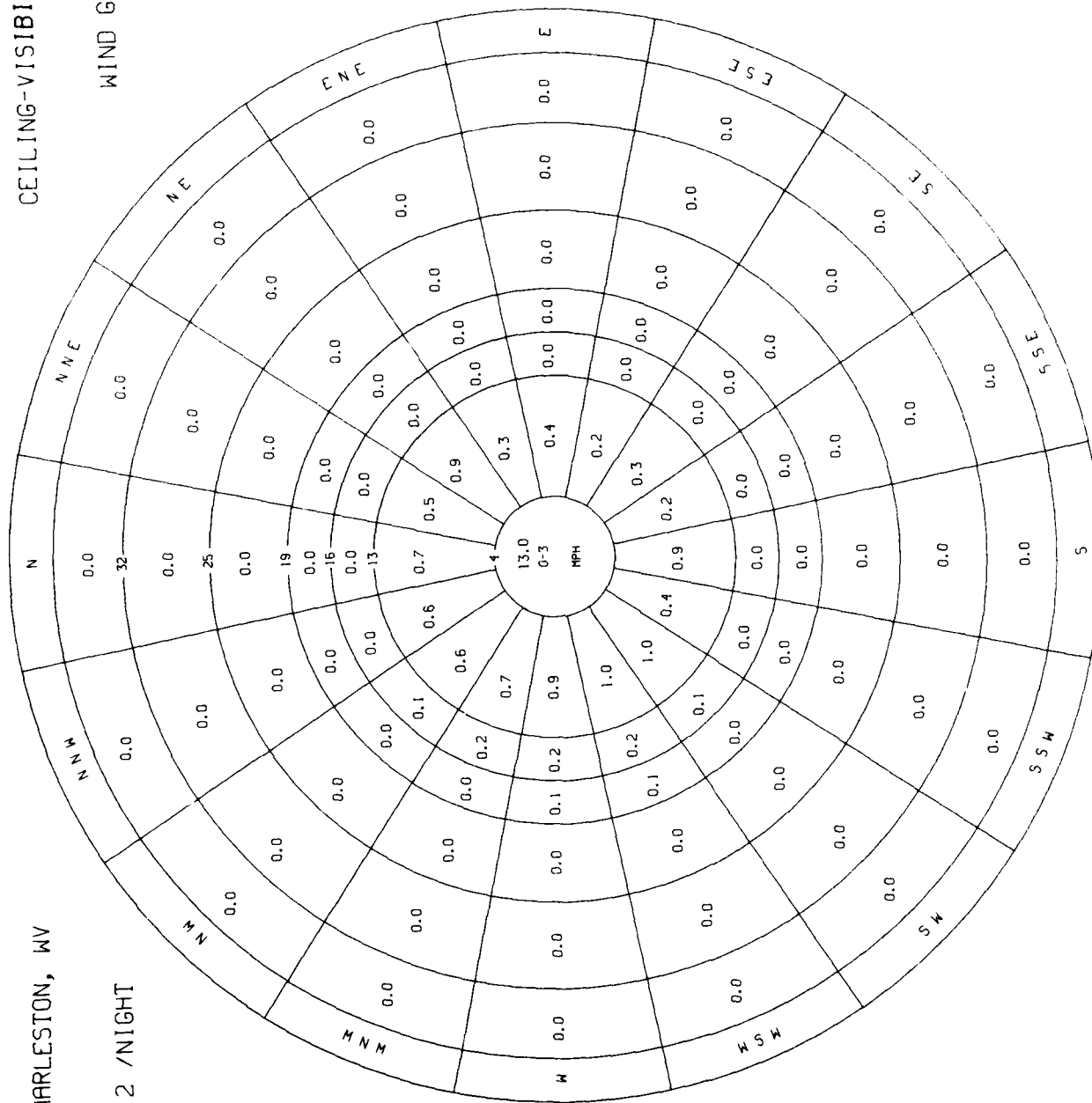
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.3	1.6	.8	4.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.2 6.0
NNE	.3	1.5	.6	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9 4.7
NE	.7	3.4	.9	4.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5 7.8
ENE	.5	2.6	.4	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 4.5
E	.4	2.0	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 3.3
ESE	.2	.9	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
SE	.2	.9	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
SSE	.2	.9	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.1
S	.3	1.7	.7	3.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1 5.5
SSW	.3	1.4	.4	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7 3.6
SW	.2	1.0	1.2	5.9	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	1.5 7.5
WSW	.1	.7	1.2	5.8	.2	1.0	.1	.7	.1	.3	.0	.0	.0	.0	1.7 8.5
W	.1	.5	.9	4.4	.2	1.0	.1	.4	.0	.1	.0	.0	.0	.0	1.3 6.4
WNW	.1	.3	.7	3.7	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	1.0 5.2
NW	.1	.6	.6	2.9	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 4.0
NNW	.2	.8	.5	2.7	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8 4.0
CALM	4.6	23.2													4.6 23.2
TOTAL	8.7	44.0	9.7	48.9	.8	4.3	.4	2.0	.1	.7	.0	.1	.0	.0	19.8 100
															5.2

CEILING-VISIBILITY

WIND GRAPH

CRW CHARLESTON, WV

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: CRW CHARLESTON, WV

CLASS 2 / NIGHT

NO. OBS.: 9293

STATION NUMBER: 13866

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.3	1.1	.7	2.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	4.1	6.0
NNE	.2	1.0	.5	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.0	5.7
NE	.8	3.4	.9	3.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.1	4.7
ENE	.5	2.3	.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.6	4.2
E	.7	2.8	.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.5	3.9
ESE	.4	1.8	.2	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.8	3.7
SE	.4	1.8	.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.2	4.2
SSE	.2	.9	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	1.9	4.8
S	.5	2.2	.9	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.1	5.1
SSW	.2	.9	.4	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.5	5.5
SW	.2	.8	1.0	4.3	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	1.4	5.7	7.9
WSW	.1	.3	1.0	4.1	.2	1.0	.1	.4	.0	.1	.0	.0	.0	.0	1.4	6.0	9.9
W	.1	.4	.9	3.8	.2	.9	.1	.3	.0	.1	.0	.0	.0	.0	1.3	5.4	9.3
WNW	.1	.3	.7	2.8	.2	.6	.0	.2	.0	.1	.0	.0	.0	.0	1.0	4.1	9.4
NW	.1	.5	.6	2.4	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.8	3.3	7.9
NNW	.1	.6	.6	2.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.3	7.2
CALM	8.0	33.3													8.0	33.3	
TOTAL	13.0	54.4	9.6	40.1	.9	3.8	.3	1.2	.1	.5	.0	.1	.0	.0	23.9	100	4.3

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 3 / DAY

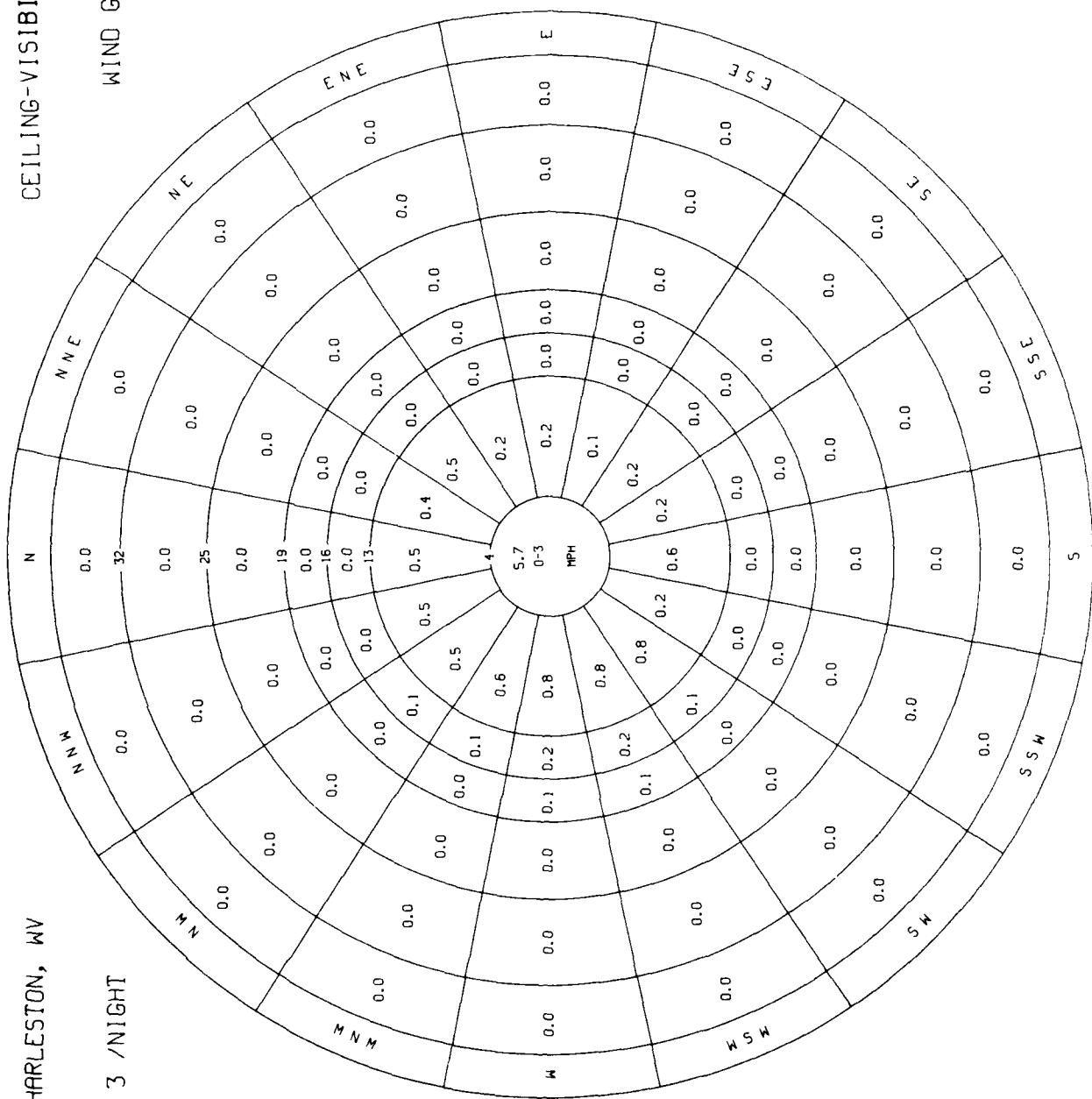
STATION NUMBER: 13866

NO. OBS.: 6026

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D	
N	.2	1.5	.6	4.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.7	6.3
NNE	.2	1.3	.5	3.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.1	6.1
NE	.3	2.4	.6	4.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	7.2	5.4
ENE	.2	1.9	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.7	4.6
E	.2	1.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1	4.4
ESE	.1	.5	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	4.7
SE	.1	.6	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	5.1
SSE	.1	.7	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.7	5.0
S	.2	1.3	.5	4.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.5	5.7
SSW	.2	1.4	.3	2.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.9	5.9
SW	.1	.9	1.0	7.5	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	1.2	9.4	8.1
WSW	.1	.8	1.0	7.6	.2	1.3	.1	.9	.1	.4	.0	.0	.0	.0	.0	1.5	11.1	9.8
W	.1	.6	.8	5.7	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.0	1.1	8.5	9.5
WNW	.0	.3	.6	4.8	.1	.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	.9	6.8	9.6
NW	.1	.8	.5	3.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.0	7.8
NNW	.1	.8	.5	3.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	4.8	7.5
CALM	2.0	15.4														2.0	15.4	
TOTAL	4.3	32.4	7.6	58.0	.8	5.9	.3	2.5	.1	.9	.0	.1	.0	.0	.0	13.1	100	6.3

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 3 / NIGHT

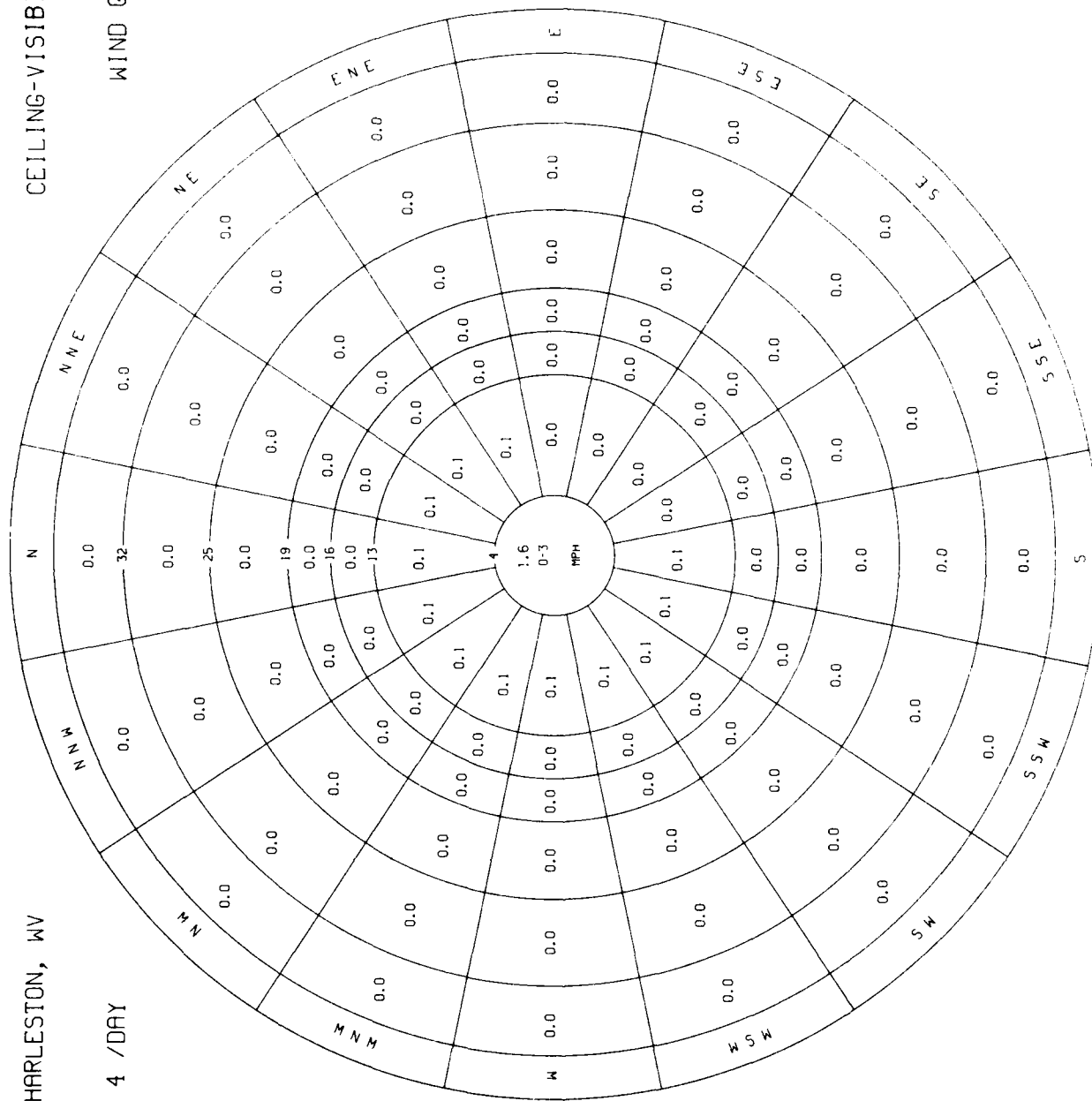
STATION NUMBER: 13866

NO. OBS.: 5374

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.0	.5	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7 5.0
NNE	.1	.8	.4	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 3.4
NE	.3	2.3	.5	3.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9 6.2
ENE	.2	1.7	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
E	.3	2.0	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5 3.5
ESE	.2	1.5	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.5
SE	.2	1.6	.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
SSE	.1	.9	.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.1
S	.3	2.0	.6	4.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9 6.3
SSW	.1	.7	.2	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.6
SW	.1	.6	.8	5.7	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	1.0 7.4
WSW	.0	.4	.8	5.8	.2	1.5	.1	.6	.0	.2	.0	.0	.0	.0	1.2 8.5
W	.1	.4	.8	5.4	.2	1.4	.1	.4	.0	.1	.0	.0	.0	.0	1.1 7.9
WNW	.0	.4	.6	4.1	.1	1.1	.0	.3	.0	.1	.0	.0	.0	.0	.8 6.0
NW	.1	.5	.5	3.4	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.6 4.5
NNW	.1	.6	.5	3.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6 4.2
CALM	3.3	24.2													3.3 24.2
TOTAL	5.7	41.6	6.9	49.8	.8	6.1	.3	1.9	.1	.7	.0	.1	.0	.0	13.8 100
															5.5

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 4 / DAY

STATION NUMBER: 13866

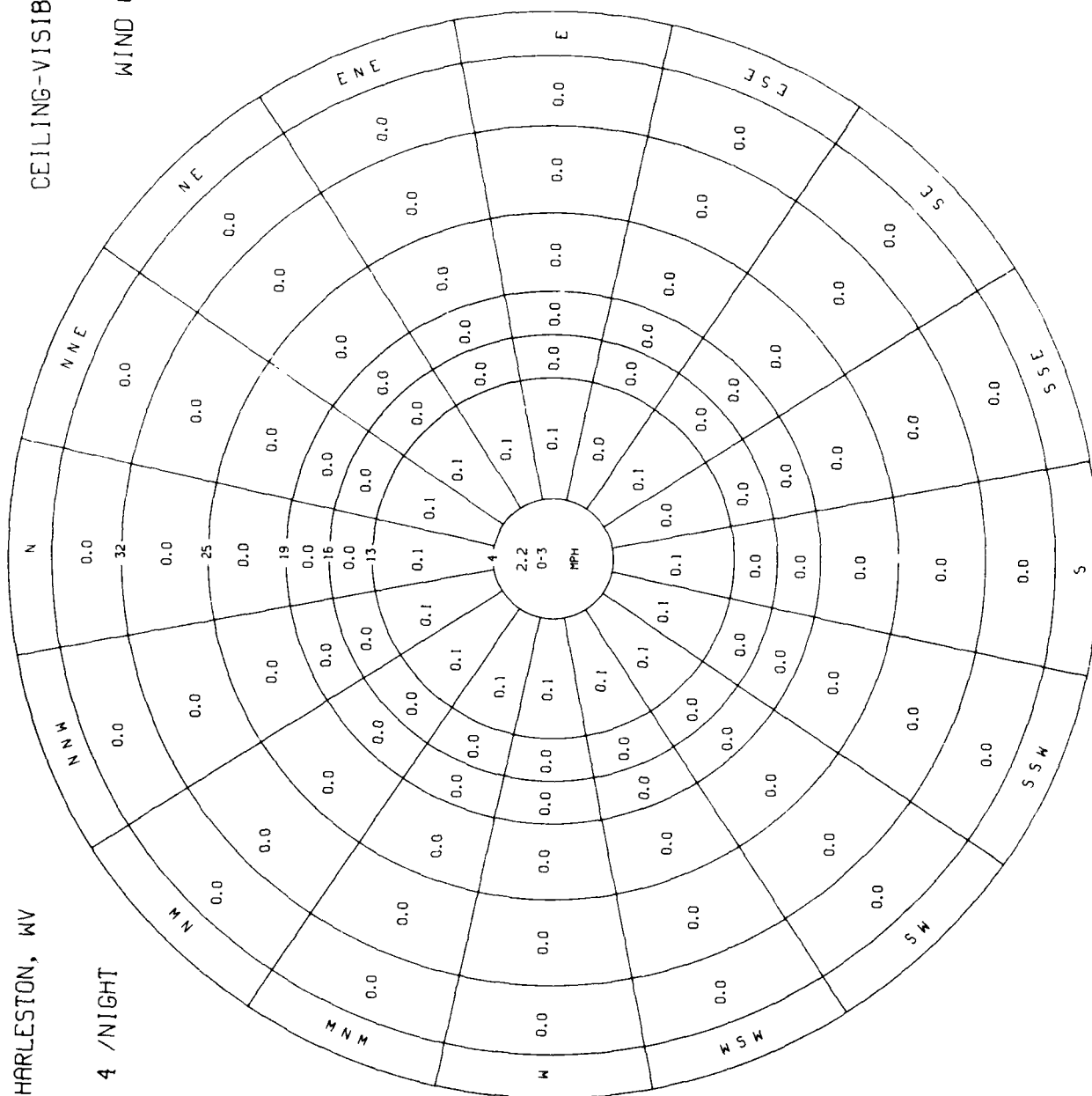
NO. OBS.: 1332

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	1.9	.1	3.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 5.7
NNE	.1	2.3	.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.7
NE	.1	4.9	.1	5.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 10.1
ENE	.1	3.2	.1	1.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.1
E	.1	3.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.2
ESE	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.3
SE	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
SSE	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
S	.1	2.0	.1	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 5.8
SSW	.0	1.4	.1	1.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1 3.2
SW	.0	1.1	.1	3.8	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1 5.0
WSW	.0	.7	.1	3.8	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.2 5.5
W	.0	.6	.1	3.2	.0	.4	.0	.5	.0	.0	.0	.0	.0	.0	.1 4.6
WNW	.0	.3	.1	3.2	.0	.5	.0	.4	.0	.1	.0	.0	.0	.0	.1 4.5
NW	.0	.0	.1	2.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1 2.9
NNW	.0	1.0	.1	1.9	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1 3.2
CALM	.8	29.1													.8 29.1
TOTAL	1.6	54.7	1.2	41.0	.1	2.0	.1	1.7	.0	.5	.0	.1	.0	.0	2.9 10.0

CEILING-VISIBILITY

CLASS 4 / NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 4 / NIGHT

STATION NUMBER: 13866

NO. OBS.: 1410

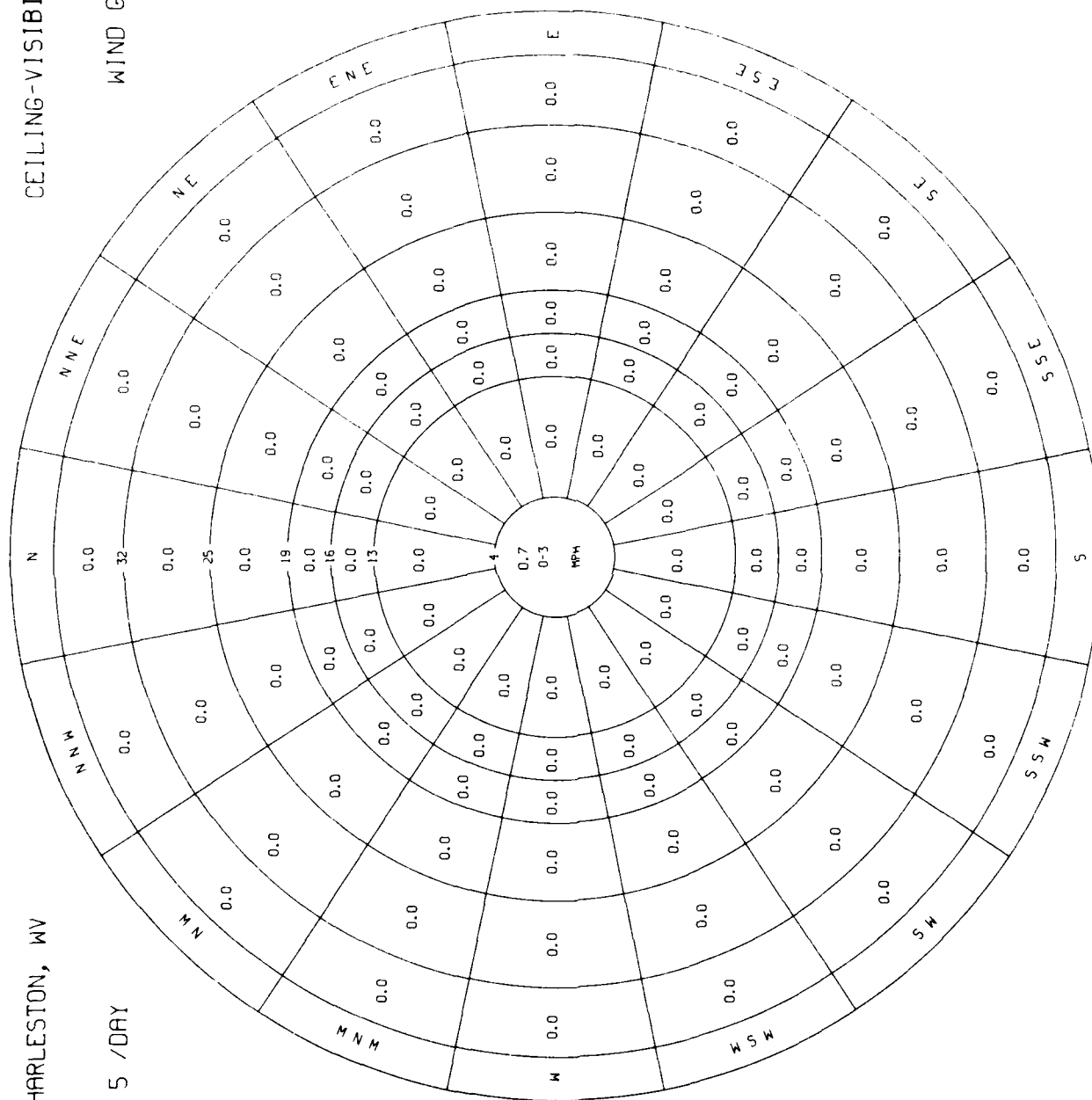
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.2	.1	2.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
NNE	.0	1.3	.1	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
NE	.2	4.3	.1	4.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 8.4
ENE	.1	2.6	.1	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 4.3
E	.1	3.0	.1	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 4.6
ESE	.1	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
SE	.1	1.6	.1	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
SSE	.0	.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.6
S	.1	2.5	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.3
SSW	.0	1.1	.1	1.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.8
SW	.0	1.1	.1	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 4.6
WSW	.0	.3	.1	3.5	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.2 4.6
W	.0	.5	.1	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 4.1
WNW	.0	.4	.1	2.2	.0	.1	.0	.1	.0	.2	.0	.0	.0	.0	.1 3.0
NW	.0	.6	.1	2.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 3.1
NNW	.0	.8	.1	2.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1 3.3
CALM	1.3	36.5													1.3 36.5
TOTAL	2.2	60.5	1.3	37.0	.0	1.3	.0	.8	.0	.5	.0	.0	.0	.0	3.6 100

CEILING-VISIBILITY

WIND GRAPH

CRW CHARLESTON, WV

CLASS 5 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 5 / DAY

STATION NUMBER: 13866

NO. OBS.: 485

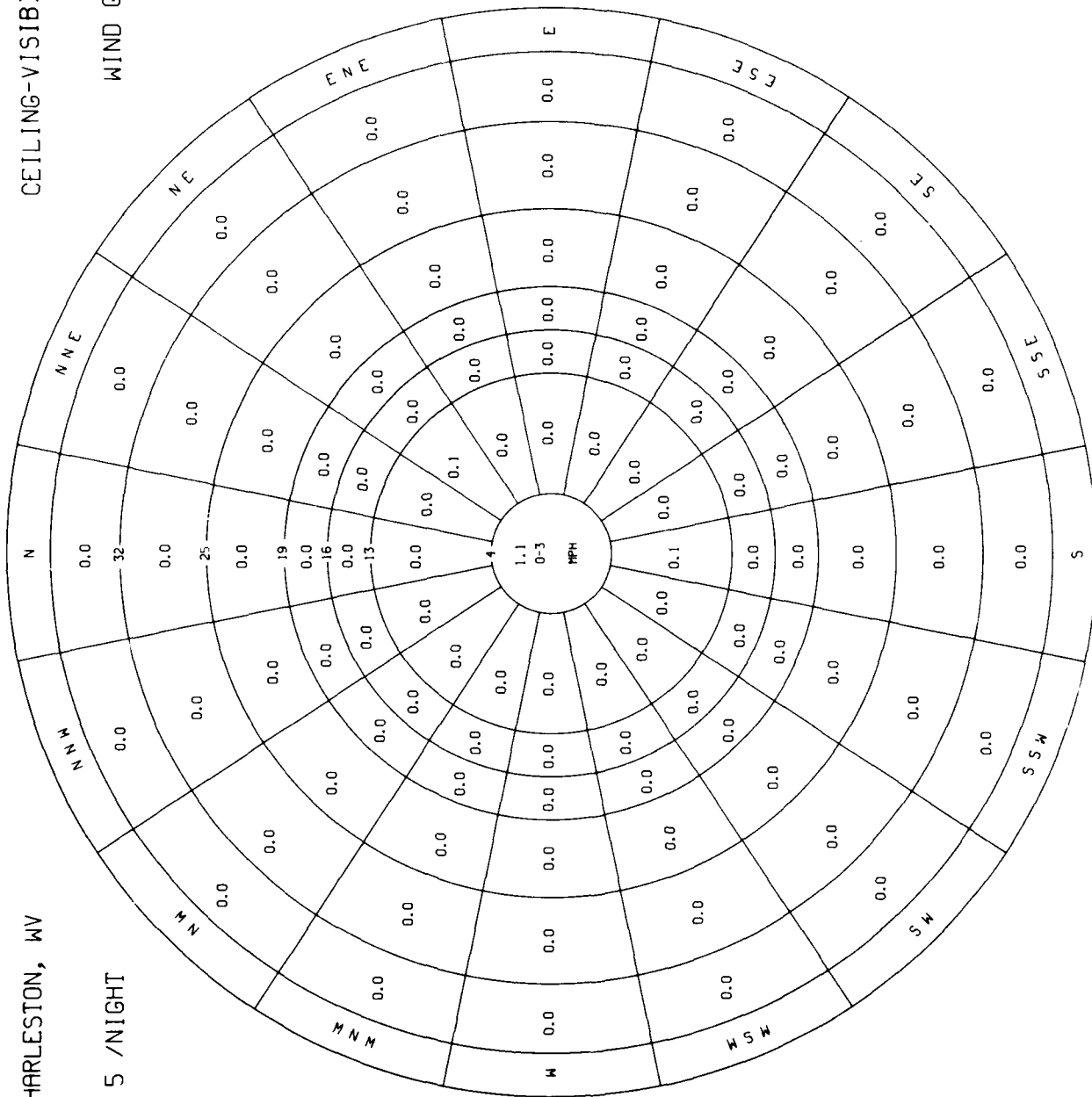
D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.0	1.9	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.2
NNE	.0	.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.1
NE	.1	7.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.3	3.8
ENE	.0	2.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	3.9
E	.0	4.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	3.9
ESE	.0	1.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.9
SE	.0	1.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.3
SSE	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.5
S	.0	3.3	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	4.2
SSW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.2
SW	.0	1.4	.0	2.3	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	3.3	5.6
WSW	.0	.6	.0	2.3	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	3.3	7.8
W	.0	.2	.0	1.2	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.1	9.9
WNW	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.4	9.1
NW	.0	1.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.6
NNW	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.1
CALM	.4	38.8													.4	38.8	
TOTAL	.7	68.9	.3	29.7	.0	.6	.0	.4	.0	.4	.0	.0	.0	.0	1.1	100	2.9

CEILING-VISIBILITY

WIND GRAPH

CRW CHARLESTON, WV

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 5 / NIGHT

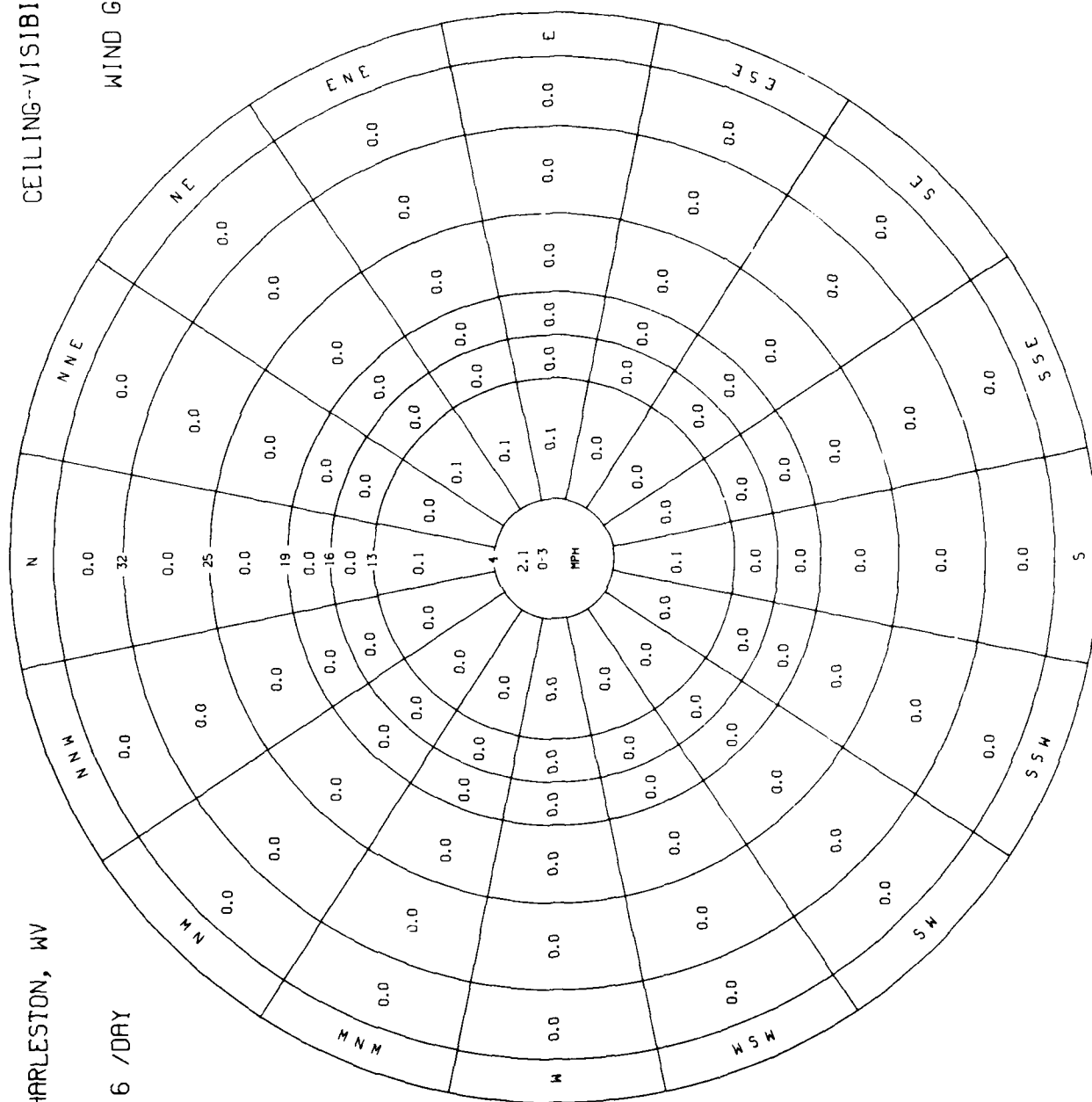
STATION NUMBER: 13866

NO. OBS.: 602

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		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	1.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.1
NNE	.0	1.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.0
NE	.1	4.3	.1	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.8	4.4
ENE	.0	3.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	3.7
E	.1	4.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	3.7
ESE	.0	2.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	3.5
SE	.0	1.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	3.8
SSE	.0	.7	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.3
S	.0	2.7	.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.0	4.7
SSW	.0	.7	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5
SW	.0	.3	.0	3.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	3.5	7.1
WSW	.0	.3	.0	2.0	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.1	3.3	9.4
W	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.9
WNW	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.2
NW	.0	.5	.0	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.7	6.3
NNW	.0	.2	.0	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.3	7.2
CALM	.7	46.7													.7	46.7	
TOTAL	1.1	70.8	.4	27.4	.0	1.0	.0	.7	.0	.2	.0	.0	.0	.0	.15	100	2.6

CRW CHARLESTON, WV

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 6 / DAY

STATION NUMBER: 13866

NO. OBS.: 1243

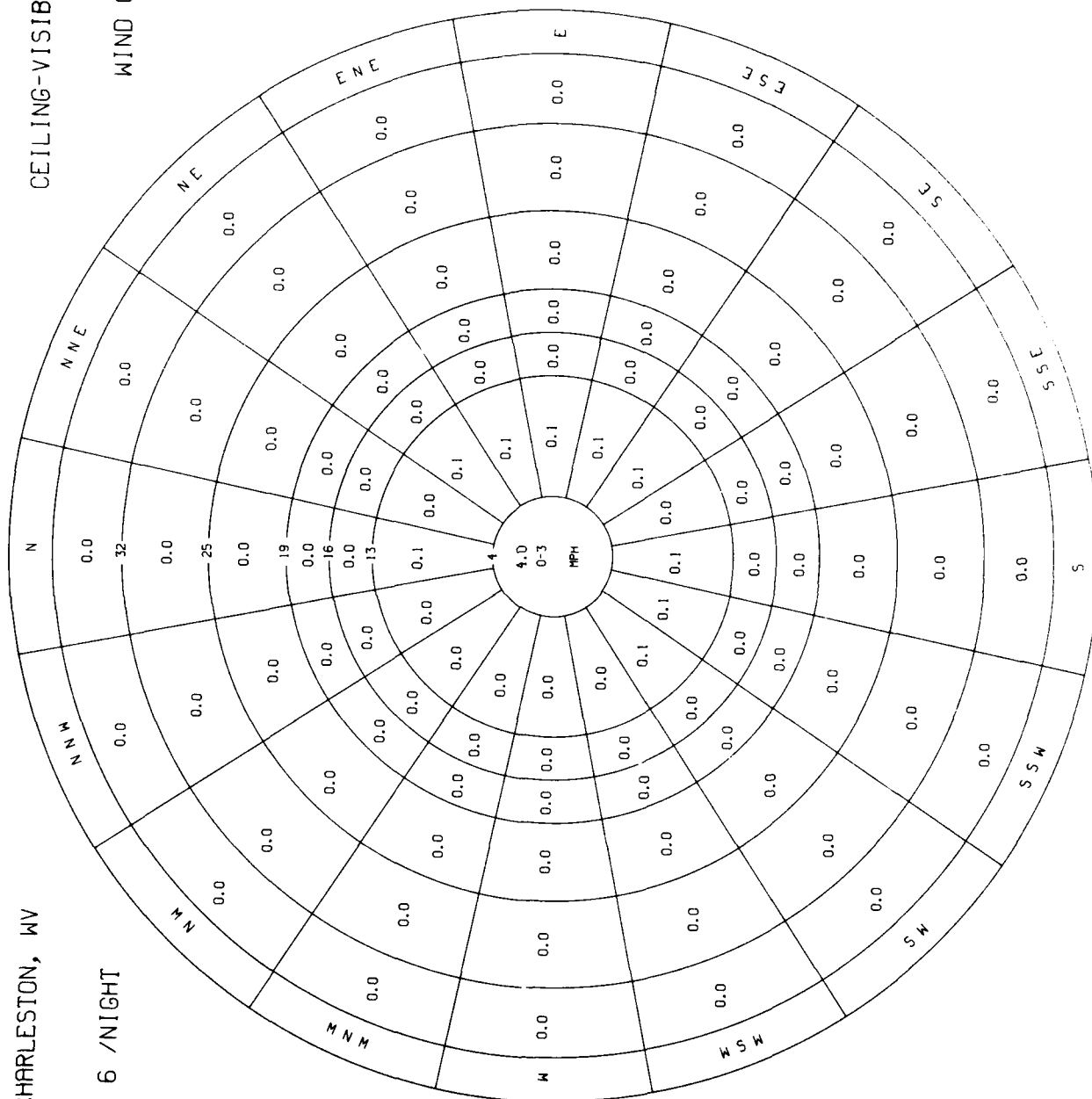
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.6
NNE	.1	2.1	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.7
NE	.1	4.8	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.6
ENE	.1	5.2	.1	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 7.8
E	.1	4.4	.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 6.5
ESE	.0	1.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.4
SE	.1	2.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
SSE	.0	1.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.1
S	.1	2.5	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.5
SSW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.1
SW	.0	1.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.5
WSW	.0	.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
W	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
WNW	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .2
NW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .6
NNW	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
CALM	1.3	48.6													1.3 48.6
TOTAL	2.1	79.2	.6	20.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7 100

CRW CHARLESTON, WV

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRW CHARLESTON, WV

PERIOD: 1950-1978

CLASS 6 / NIGHT

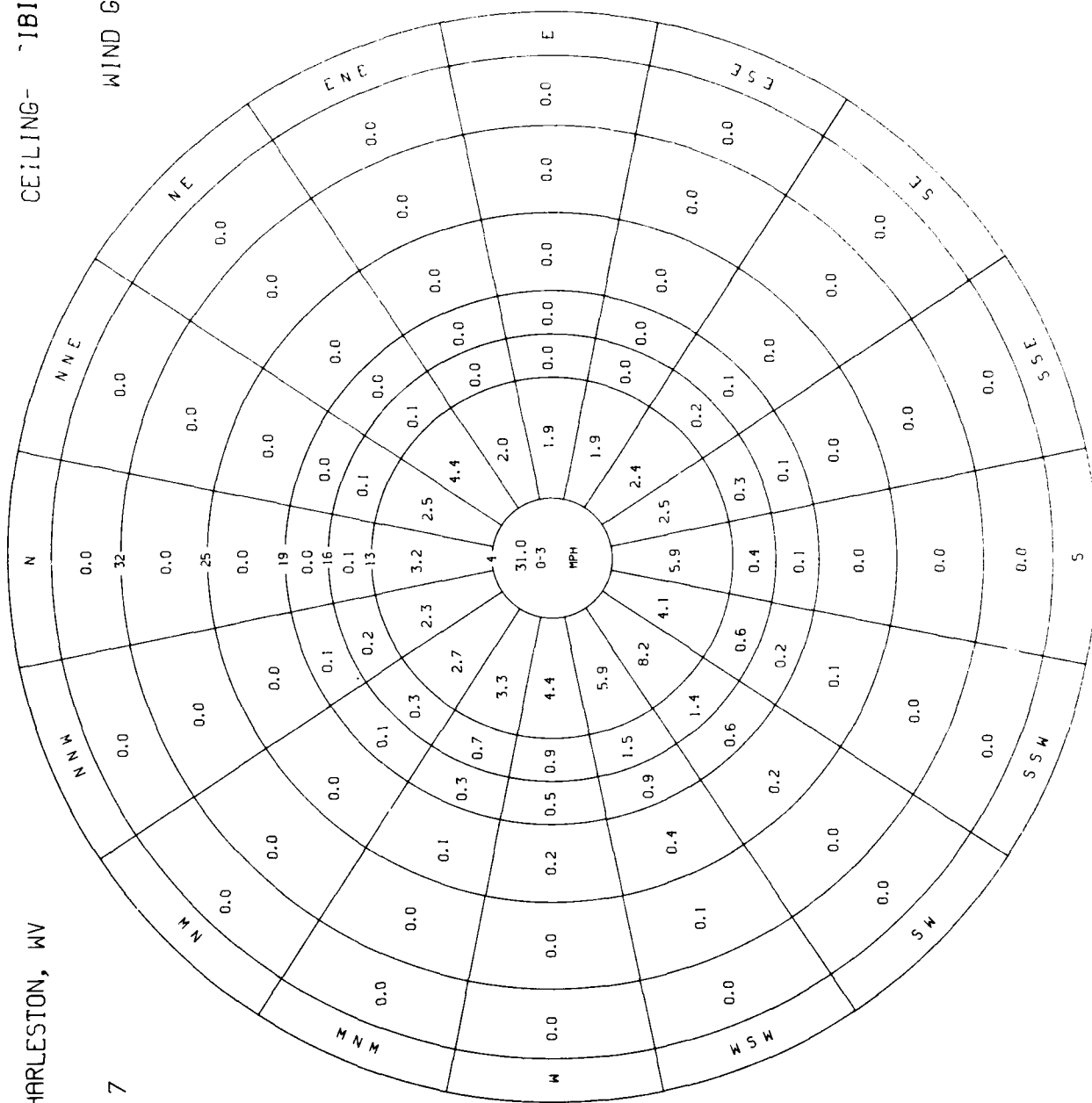
STATION NUMBER: 13866

NO. OBS.: 1907

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.1	1.0	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	4.5
NNE	.1	1.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	3.9
NE	.3	5.3	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.1	3.8
ENE	.2	3.1	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.6	3.7
E	.2	4.4	.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6.4	3.7
ESE	.1	2.5	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.6	3.5
SE	.1	2.6	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	4.0	3.7
SSE	.1	1.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	3.8
S	.1	2.4	.1	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	5.3	4.4
SSW	.1	1.3	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	4.0
SW	.1	1.3	.1	1.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	2.6	5.1
WSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.9
W	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0
WNW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.7	5.8
NW	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.8
NNW	.0	.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.6	4.3
CALM	2.6	52.6													2.6	52.6	
TOTAL	4.0	80.8	.9	19.1	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	4.9	100	1.9

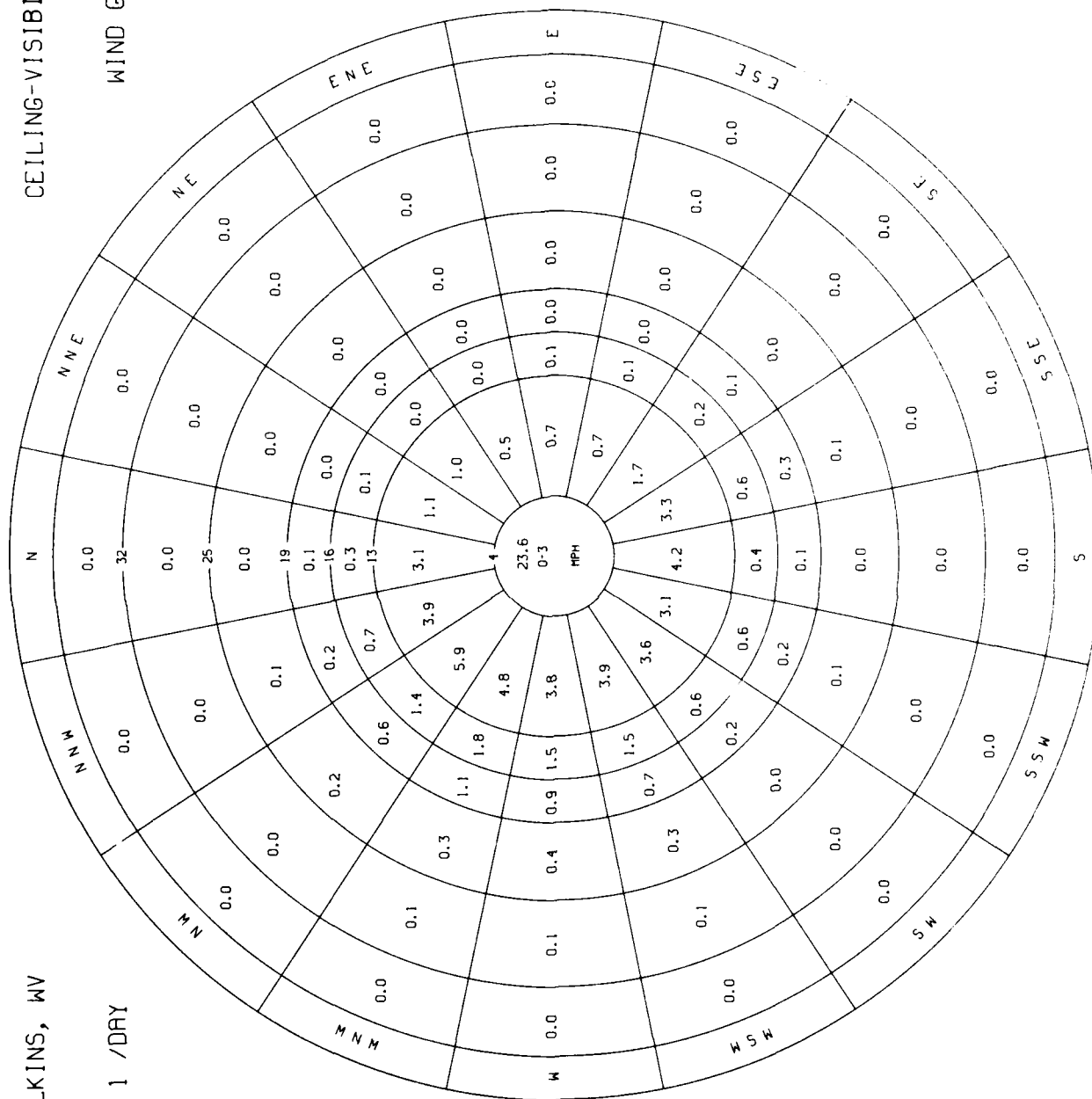
CEILING-IBILITY

WIND GRAPH



EKN ELKINS, WV

CLASS 1 / DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 1 / DAY

STATION NUMBER: 13729

NO. OBS.: 26948

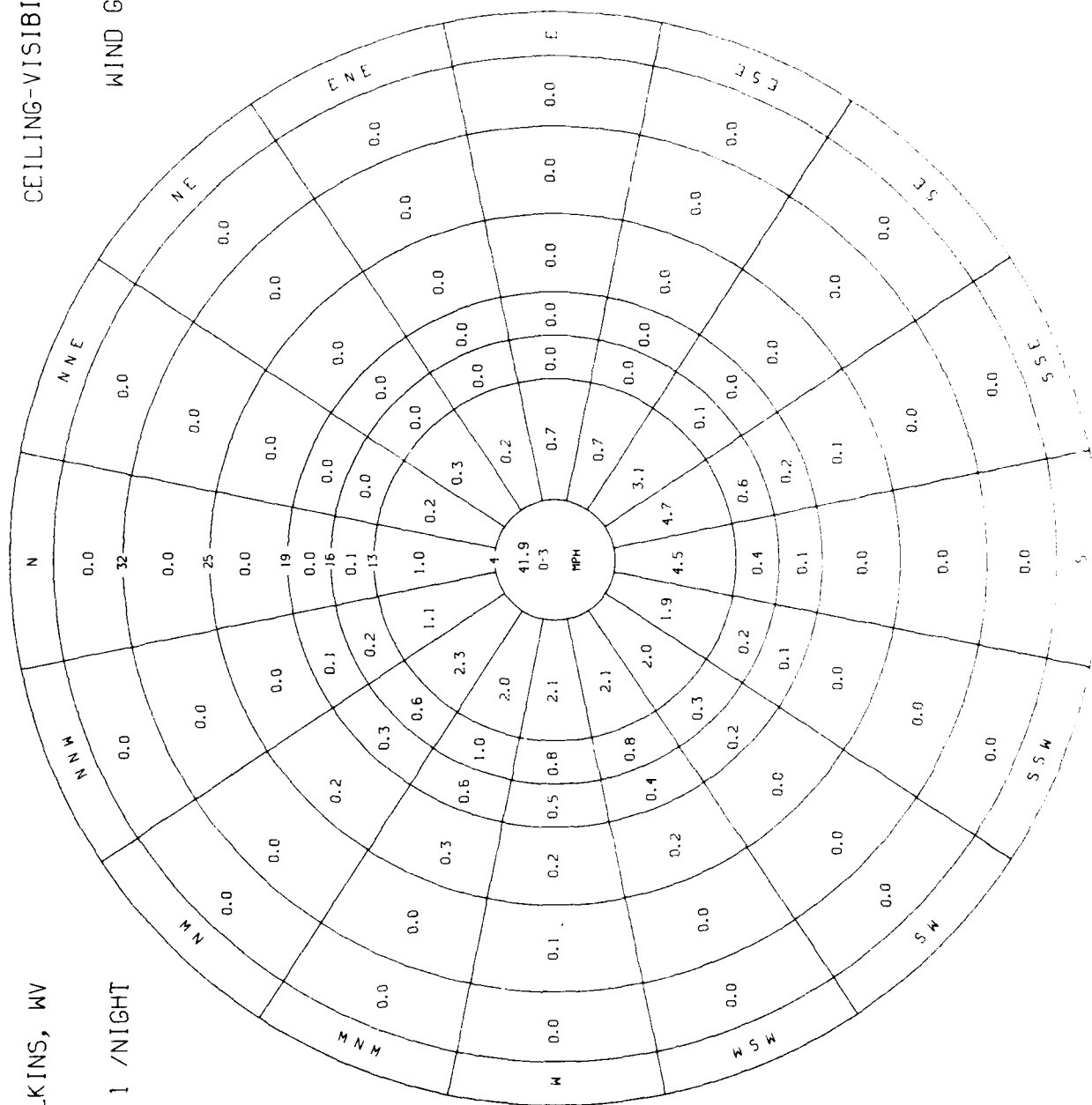
D I R	SPEED GROUPS (MPH)																		TOTAL		AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+									
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D						
N	.8	.9	3.1	3.7	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.0	7.1			
NNE	.5	.6	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0	5.0			
NE	.7	.8	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.0	5.0			
ENE	.3	.4	.5	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	4.5			
E	.4	.5	.7	.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	5.0			
ESE	.4	.5	.7	.8	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	5.0			
SE	.7	.8	1.7	2.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.2	7.9			
SSE	.7	.8	3.3	3.8	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.0	5.8	9.6			
S	.9	1.0	4.2	4.9	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.7	6.7	11.5			
SSW	.6	.7	3.1	3.5	.6	.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.5	5.3	9.2			
SW	1.0	1.2	3.6	4.3	.6	.8	.2	.3	.0	.1	.0	.0	.0	.0	.0	.0	5.6	6.5	11.7			
WSW	.8	.9	3.9	4.6	1.5	1.7	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	7.2	8.4	10.3			
W	.9	1.0	3.8	4.5	1.5	1.7	.9	1.1	.4	.4	.1	.1	.0	.0	.0	.0	7.5	8.8	10.6			
WNW	.8	.9	4.8	5.7	1.8	2.1	1.1	1.2	.3	.4	.1	.1	.0	.0	.0	.0	8.8	10.3	10.6			
NW	1.0	1.2	5.9	6.9	1.4	1.6	.6	.7	.2	.3	.0	.0	.0	.0	.0	.0	9.1	10.7	9.1			
NNW	.6	.7	3.9	4.6	.7	.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	5.5	6.4	8.7			
CALM	12.6	14.7															12.6	14.7				
TOTAL	23.6	27.7	45.3	53.1	9.9	11.6	4.6	5.4	1.6	1.9	.3	.3	.0	.1	.0	.1	85.2	100	11.4			

CEILING-VISIBILITY

WIND GRAPH

EKN ELKINS, WV

CLASS 1 / NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 1 / NIGHT

STATION NUMBER: 13729

NO. OBS.: 21267

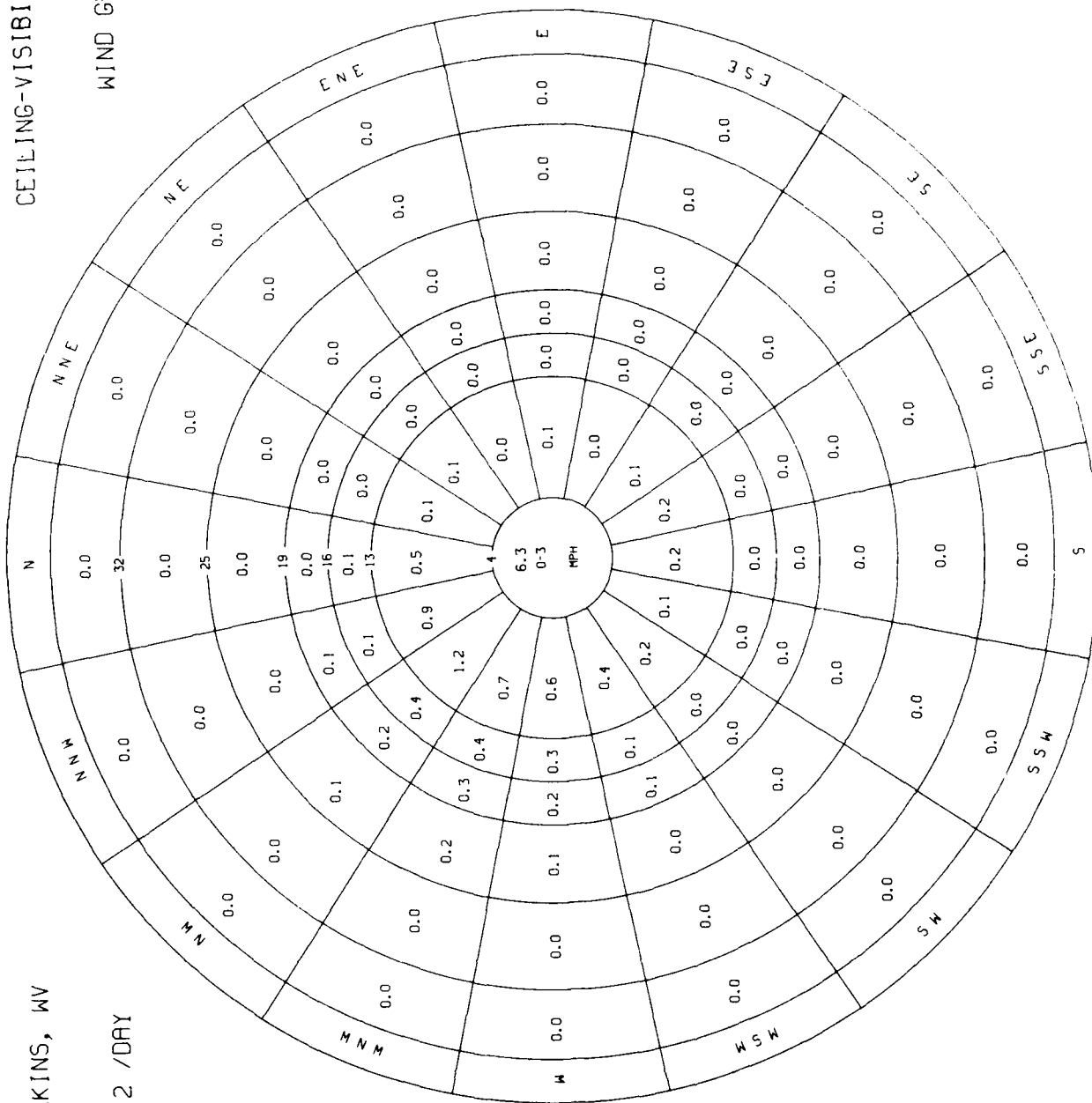
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D
N	.4	.5	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.8
NNE	.2	.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.6
NE	.4	.5	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9
ENE	.3	.4	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.7
E	.9	1.2	.7	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	2.0
ESE	1.0	1.3	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.2
SE	2.0	2.6	3.1	3.9	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.6
SSE	1.4	1.7	4.7	5.9	.6	.7	.2	.3	.1	.1	.0	.0	.0	.0	7.0	8.7
S	1.3	1.7	4.5	5.6	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	6.4	8.0
SSW	.7	.8	1.9	2.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.8	3.6
SW	1.0	1.2	2.0	2.5	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	3.5	4.4
WSW	.6	.7	2.1	2.6	.8	1.0	.4	.5	.2	.2	.0	.1	.0	.0	4.0	5.1
W	.9	1.1	2.1	2.7	.8	1.0	.5	.7	.2	.3	.1	.1	.0	.0	4.7	5.9
WNW	.6	.7	2.0	2.5	1.0	1.2	.6	.8	.3	.3	.0	.1	.0	.0	4.5	5.6
NW	.8	1.0	2.3	2.9	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	4.2	5.3
NNW	.3	.4	1.1	1.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.1
CALM	29.1	36.6													29.1	36.6
TOTAL	41.9	52.6	28.8	36.1	5.1	6.4	2.6	3.3	1.0	1.3	.2	.3	.0	.0	79.7	100
																4.8

CEILING-VISIBILITY

WIND GRAPH

EKN ELKINS, WV

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 2 / DAY

STATION NUMBER: 13729

NO. OBS.: 4670

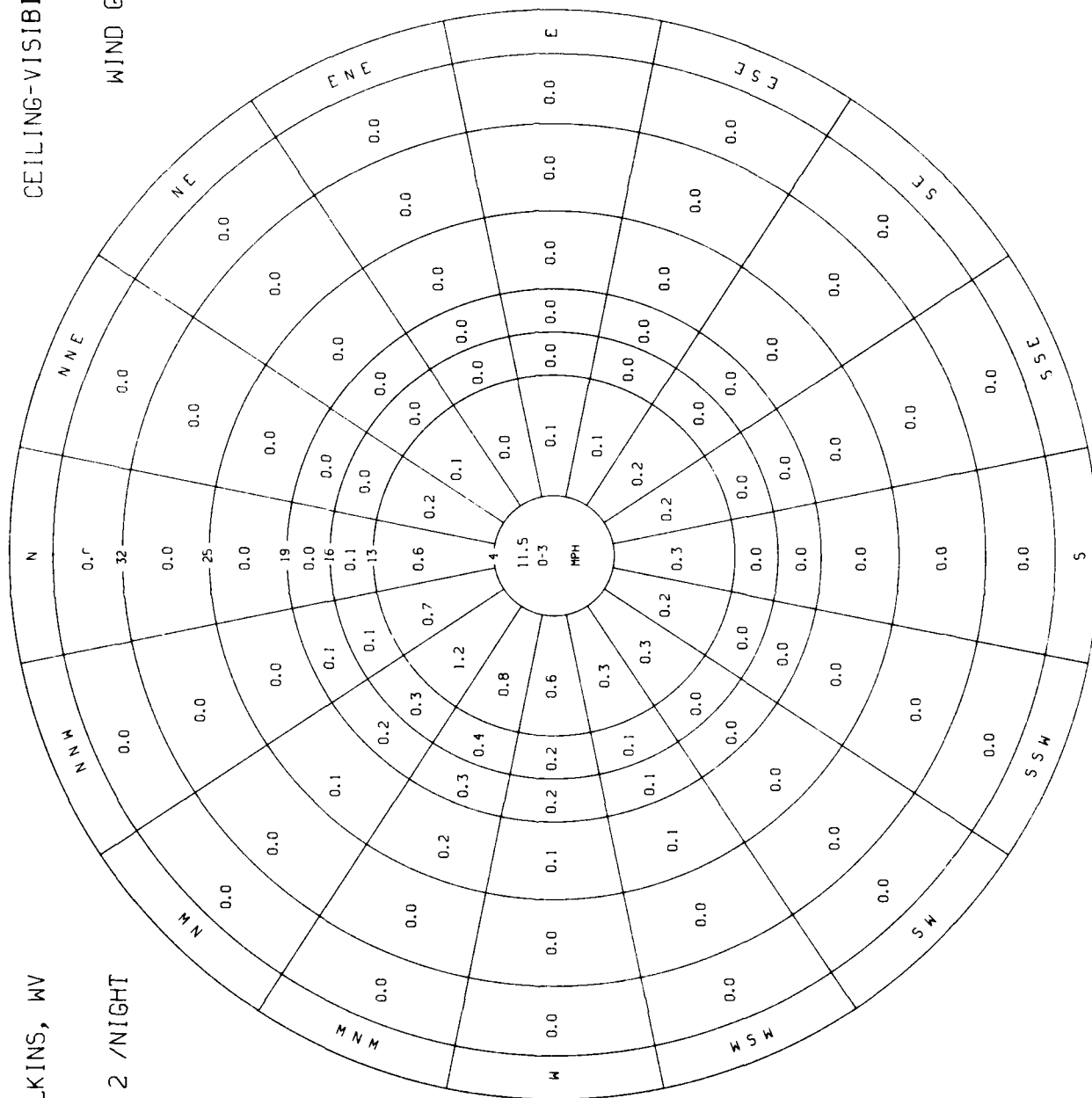
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.7	.5	3.5	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7 4.6
NNE	.1	.4	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
NE	.1	.7	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.5
ENE	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .8
E	.2	1.0	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.7
ESE	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
SE	.2	1.3	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.3
SSE	.1	.9	.2	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.4
S	.2	1.1	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.9
SSW	.1	.7	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.7
SW	.2	1.5	.2	1.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.5 3.5
WSW	.1	.8	.4	2.4	.1	1.0	.1	.5	.0	.3	.0	.0	.0	.0	.7 5.0
W	.2	1.1	.6	4.0	.3	1.7	.2	1.3	.1	.6	.0	.2	.0	.0	1.3 8.9
WNW	.1	.9	.7	4.7	.4	2.6	.3	2.2	.2	1.3	.0	.2	.0	.0	1.8 12.0
NW	.2	1.7	1.2	8.2	.4	2.5	.2	1.7	.1	.5	.0	.1	.0	.0	2.2 14.6
NNW	.1	.9	.9	5.9	.1	.9	.1	.5	.0	.1	.0	.0	.0	.0	1.2 8.2
CALM	4.1	27.7													4.1 27.7
TOTAL	6.3	42.5	5.6	37.8	1.4	9.6	1.0	6.6	.4	3.0	.1	.5	.0	.0	14.8 100
															6.5

CEILING-VISIBILITY

WIND GRAPH

EKN ELKINS, WV

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 2 / NIGHT

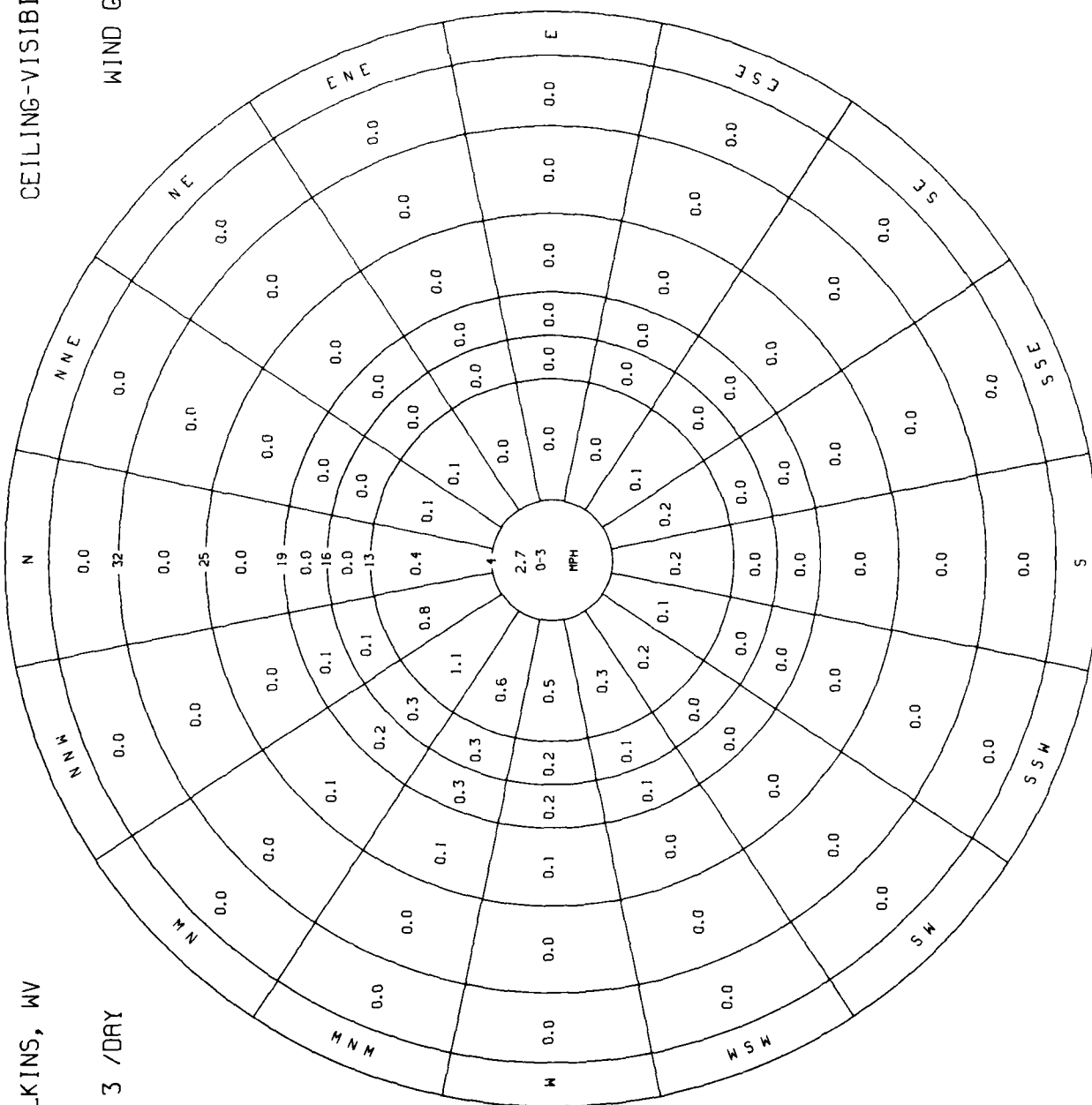
STATION NUMBER: 13729

NO. OBS.: 5431

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.7	.6	2.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.8 4.1
NNE	.1	.5	.2	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.3
NE	.2	.8	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.1
ENE	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .6
E	.3	1.6	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5 2.2
ESE	.2	1.1	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 1.8
SE	.6	3.1	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9 4.2
SSE	.3	1.3	.2	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5 2.6
S	.3	1.4	.3	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 2.8
SSW	.1	.6	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3 1.6
SW	.3	1.2	.3	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6 2.8
WSW	.2	.8	.3	1.5	.1	.7	.1	.4	.1	.3	.0	.0	.0	.0	.7 3.7
W	.3	1.3	.6	2.8	.2	1.2	.2	.9	.1	.4	.0	.1	.0	.0	1.3 6.6
WNW	.2	.8	.8	3.9	.4	2.2	.3	1.6	.2	.9	.0	.2	.0	.0	2.0 9.7
NW	.3	1.4	1.2	5.9	.3	1.6	.2	1.1	.1	.6	.0	.1	.0	.0	2.2 10.7
NNW	.2	.8	.7	3.4	.1	.7	.1	.3	.0	.1	.0	.0	.0	.0	1.1 5.4
CALM	7.9	38.7													7.9 38.7
TOTAL	11.5	56.5	5.9	29.0	1.5	7.2	.9	4.5	.5	2.4	.1	.4	.0	.0	20.3 100
															4.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 3 / DAY

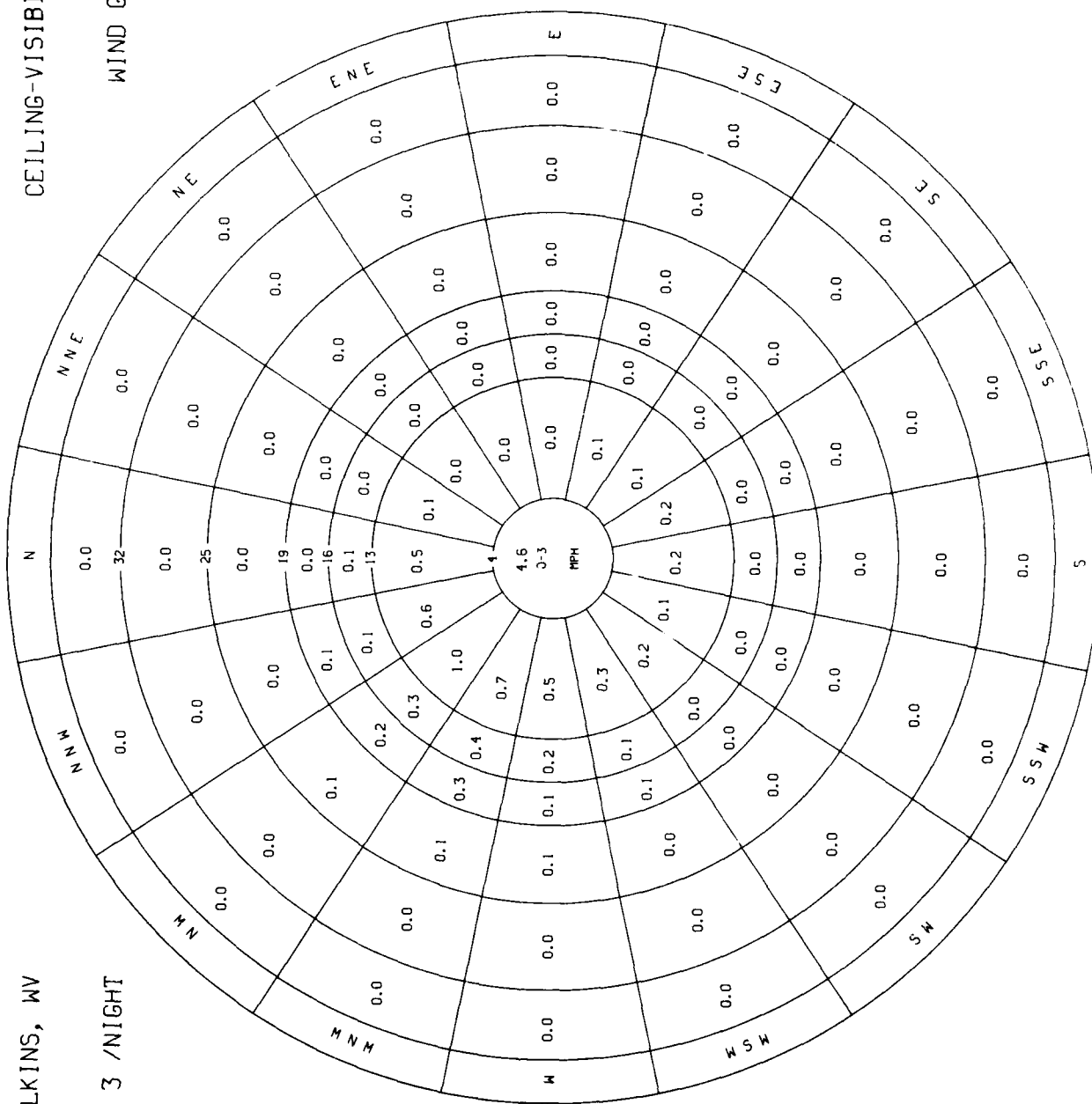
STATION NUMBER: 13729

NO. OBS.: 3103

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.7	.4	4.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5 5.5
NNE	.0	.2	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2
NE	.1	.6	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.6
ENE	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .6
E	.1	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0
ESE	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .6
SE	.1	.7	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.6
SSE	.1	.5	.2	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2 2.3
S	.1	.9	.2	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3 3.0
SSW	.0	.4	.1	.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2 1.6
SW	.1	.6	.2	1.9	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3 3.1
WSW	.1	.7	.3	3.3	.1	1.2	.1	.7	.0	.3	.0	.0	.0	.0	.6 6.3
W	.1	.8	.5	5.5	.2	2.3	.2	1.7	.1	.6	.0	.2	.0	.0	1.1 11.1
WNW	.1	.9	.6	6.5	.3	3.5	.3	2.8	.1	1.5	.0	.3	.0	.0	1.5 15.5
NW	.2	1.5	1.1	10.8	.3	3.1	.2	2.2	.1	.6	.0	.0	.0	.0	1.8 18.4
NNW	.1	.9	.8	7.7	.1	1.1	.1	.6	.0	.2	.0	.0	.0	.0	1.0 10.5
CALM	1.6	16.1													1.6 16.2
TOTAL	2.7	27.0	4.7	48.1	1.2	12.3	.8	8.6	.3	3.4	.1	.5	.0	.0	9.8 100
															8.1

CEILING-VISIBILITY

WIND GRAPH



EKN ELKINS, WV

CLASS 3 / NIGHT

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 3 / NIGHT

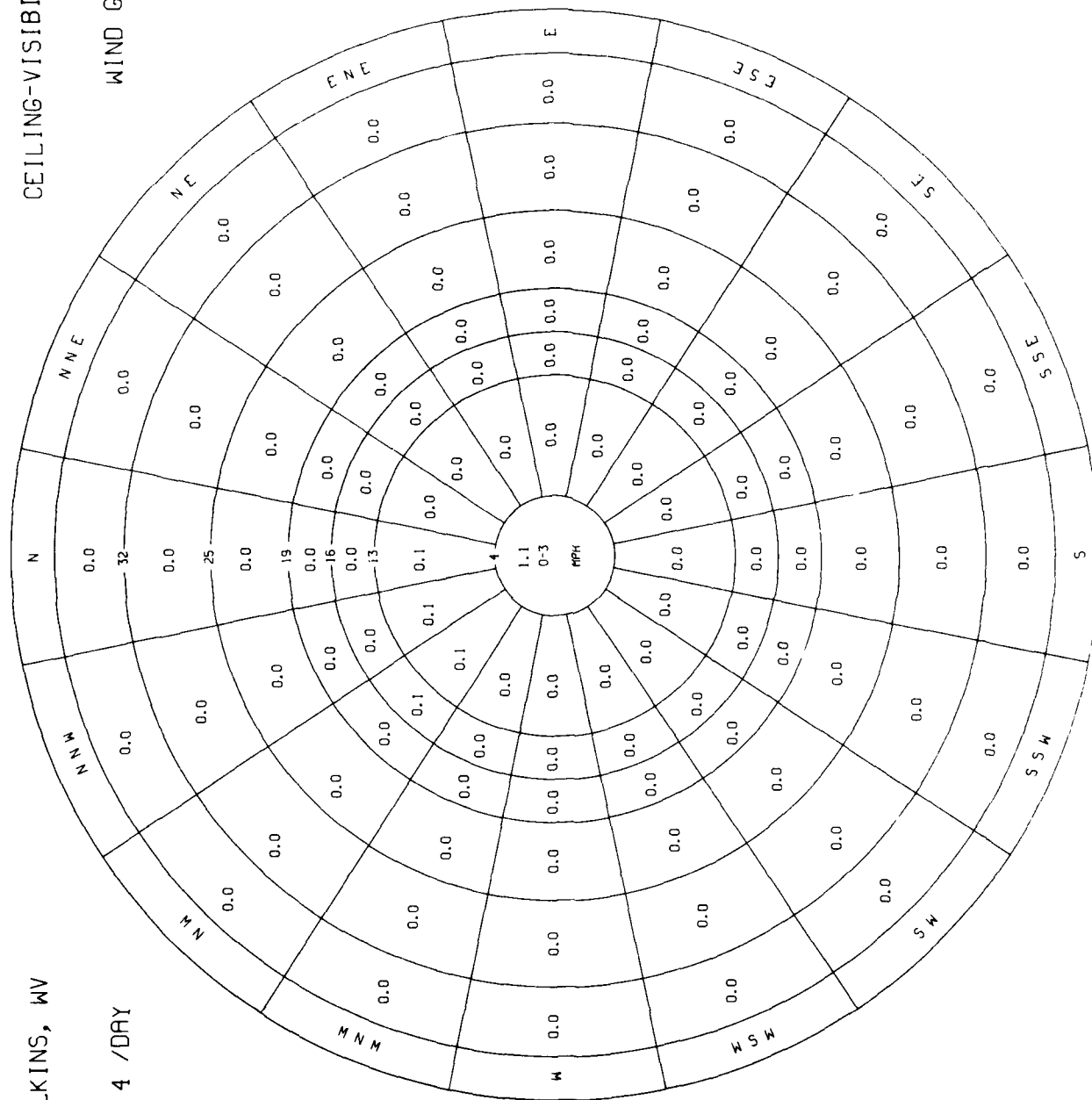
STATION NUMBER: 13729

NO. OBS.: 3141

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.7	.5	4.1	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.7 5.5 7.5
NNE	.0	.4	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.4 6.0
NE	.1	.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.0 4.1
ENE	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 .5 3.7
E	.1	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2 3.5
ESE	.1	.5	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.2 4.2
SE	.2	2.0	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 3.2 3.6
SSE	.1	1.0	.2	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.7 5.8
S	.1	1.2	.2	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3 2.9 5.5
SSW	.1	.4	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2 1.8 5.8
SW	.1	.9	.2	1.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3 2.9 6.6
WSW	.1	.5	.3	2.3	.1	1.1	.1	.5	.0	.3	.0	.0	.0	.0	.6 4.9 10.7
W	.2	1.3	.5	4.6	.2	1.9	.1	1.2	.1	.6	.0	.1	.0	.0	1.1 9.7 10.6
WNW	.1	.8	.7	6.2	.4	3.3	.3	2.4	.1	1.1	.0	.3	.0	.0	1.6 14.0 12.3
NW	.2	1.8	1.0	8.2	.3	2.5	.2	1.5	.1	.9	.0	.1	.0	.0	1.8 14.9 10.1
NNW	.1	.7	.6	5.0	.1	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.9 7.4 9.0
CALM	2.9	24.8													2.9 24.8
TOTAL	4.6	38.9	4.7	40.0	1.3	11.2	.7	6.3	.4	3.2	.1	.4	.0	.0	11.8 100 6.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 4 / DAY

STATION NUMBER: 13729

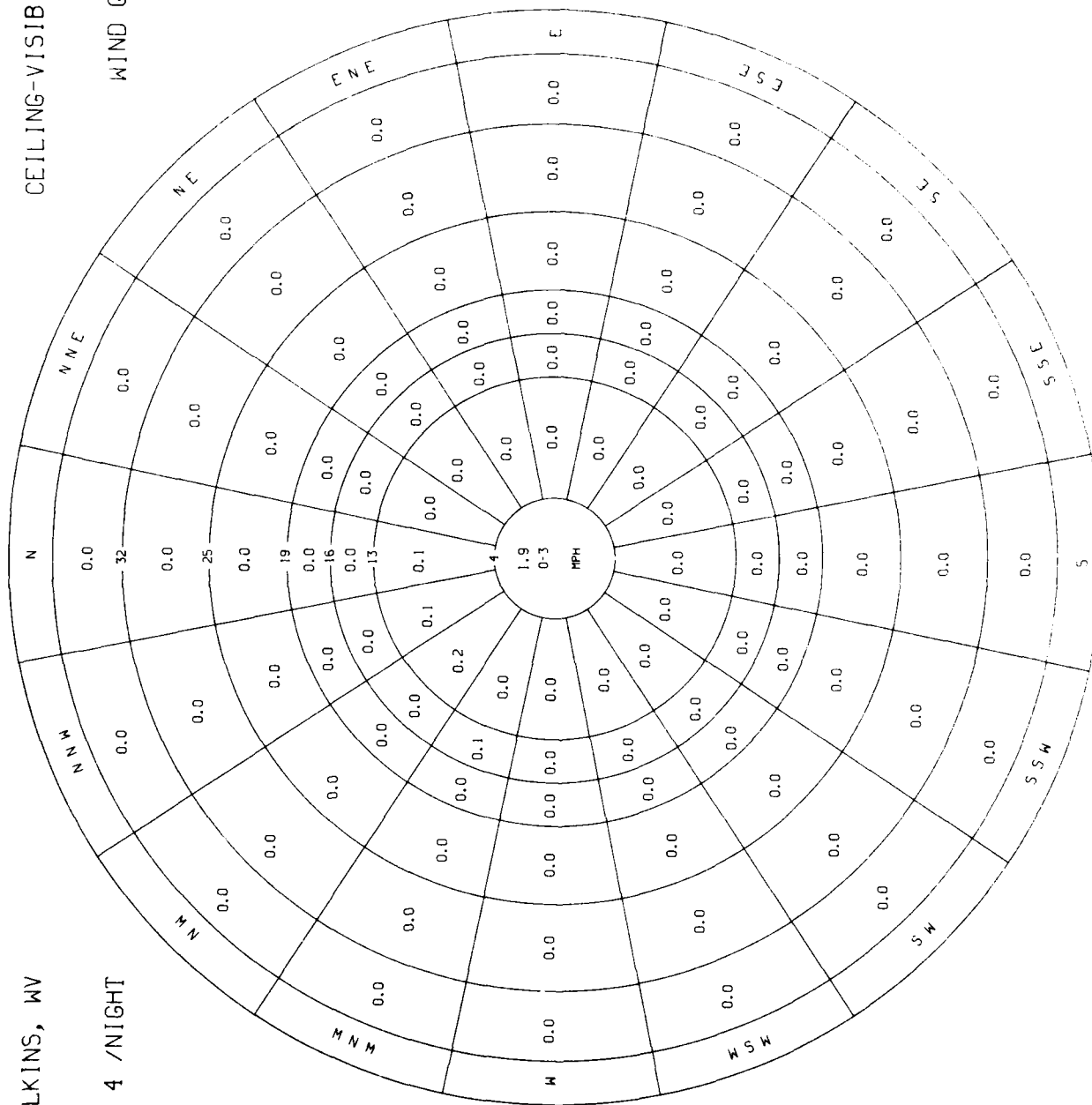
NO. OBS.: 662

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	C	D
N	.0	.6	.1	3.8	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0
NNE	.0	.8	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
NE	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
ENE	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
E	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
ESE	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
SE	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
SSE	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
S	.0	.8	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.1
SSW	.0	.8	.0	.5	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.5
SW	.1	2.6	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9
WSW	.0	.8	.0	1.2	.0	1.1	.0	.3	.0	.6	.0	.2	.0	.0	.1	4.1
W	.0	1.5	.0	2.3	.0	1.2	.0	1.2	.0	1.2	.0	.2	.0	.0	.2	7.6
WNW	.0	1.5	.0	2.1	.0	1.7	.0	2.3	.0	1.7	.0	.3	.0	.0	.2	9.5
NW	.0	2.0	.1	5.7	.1	2.9	.0	1.2	.0	.6	.0	.2	.0	.0	.3	12.5
NNW	.0	1.2	.1	4.7	.0	.9	.0	.3	.0	.3	.0	.0	.0	.0	.2	7.4
CALM	.8	36.7													.8	36.7
TOTAL	1.1	53.9	.6	26.4	.2	8.9	.1	5.4	.1	4.5	.0	.8	.0	.0	2.1	100

EKN ELKINS, WV

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 4 / NIGHT

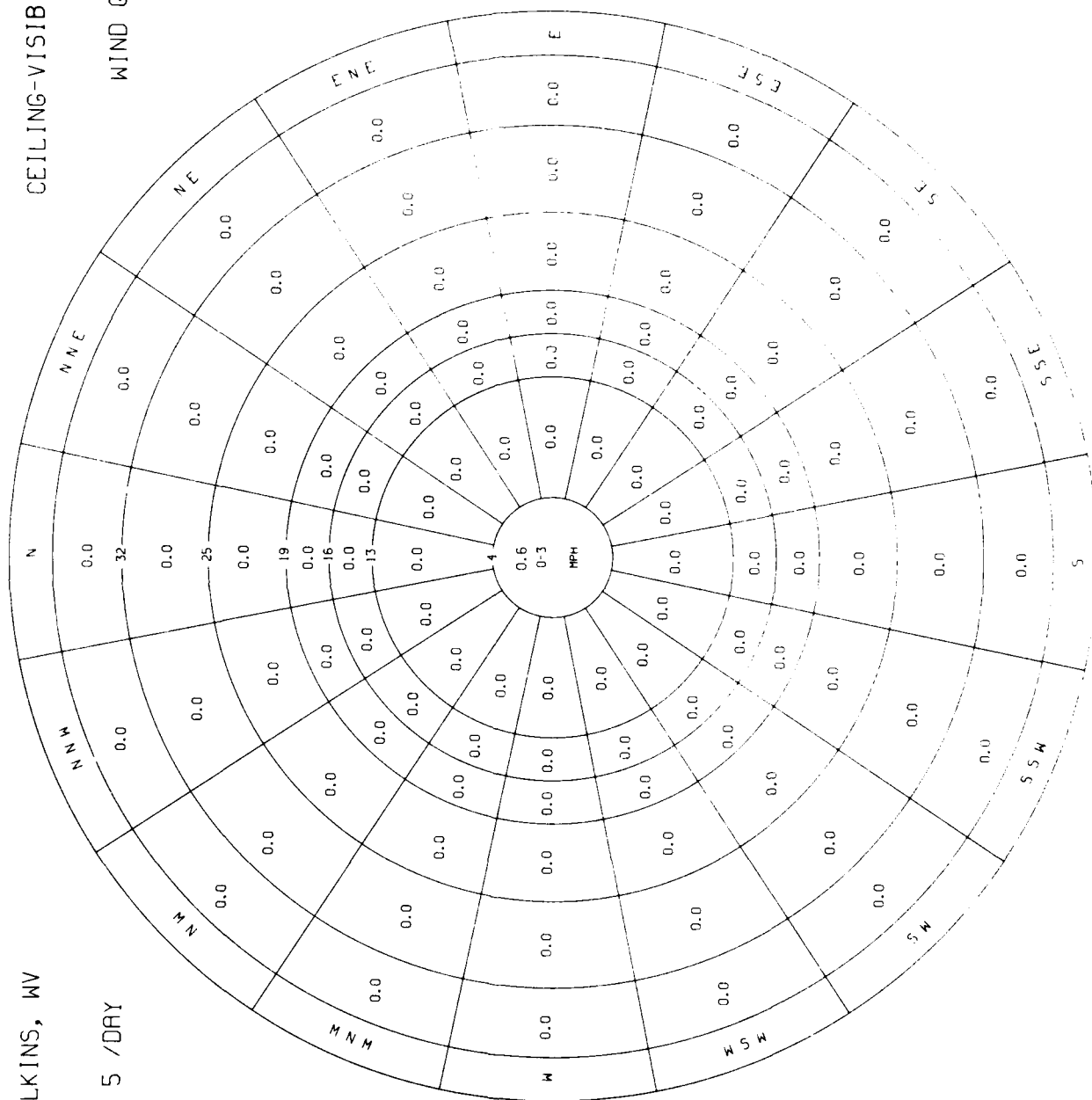
STATION NUMBER: 13729

NO. OBS.: 767

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	1.3	.1	2.6	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1 4.4
NNE	.0	1.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.6
NE	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.2
ENE	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .5
E	.0	.8	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
ESE	.0	1.3	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.0
SE	.1	3.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.5
SSE	.0	1.4	.0	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 2.3
S	.0	.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.7
SSW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.3
SW	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.9
WSW	.0	1.3	.0	.9	.0	.3	.0	.4	.0	.5	.0	.1	.0	.0	.1 3.5
W	.0	.9	.0	.4	.0	.5	.0	1.0	.0	.3	.0	.1	.0	.0	.1 3.3
WNW	.0	1.4	.0	1.6	.1	1.8	.0	1.6	.0	1.7	.0	.4	.0	.0	.2 8.5
NW	.0	1.2	.2	6.3	.0	1.2	.0	1.3	.0	.4	.0	.3	.0	.1	.3 10.7
NNW	.0	1.7	.1	2.2	.0	.4	.0	.4	.0	.1	.0	.0	.0	.0	.1 4.8
CALM	1.3	45.4													1.3 45.4
TOTAL	1.9	64.7	.6	21.6	.1	4.6	.1	6.1	.1	3.0	.0	.9	.0	.1	2.9 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 5 / DAY

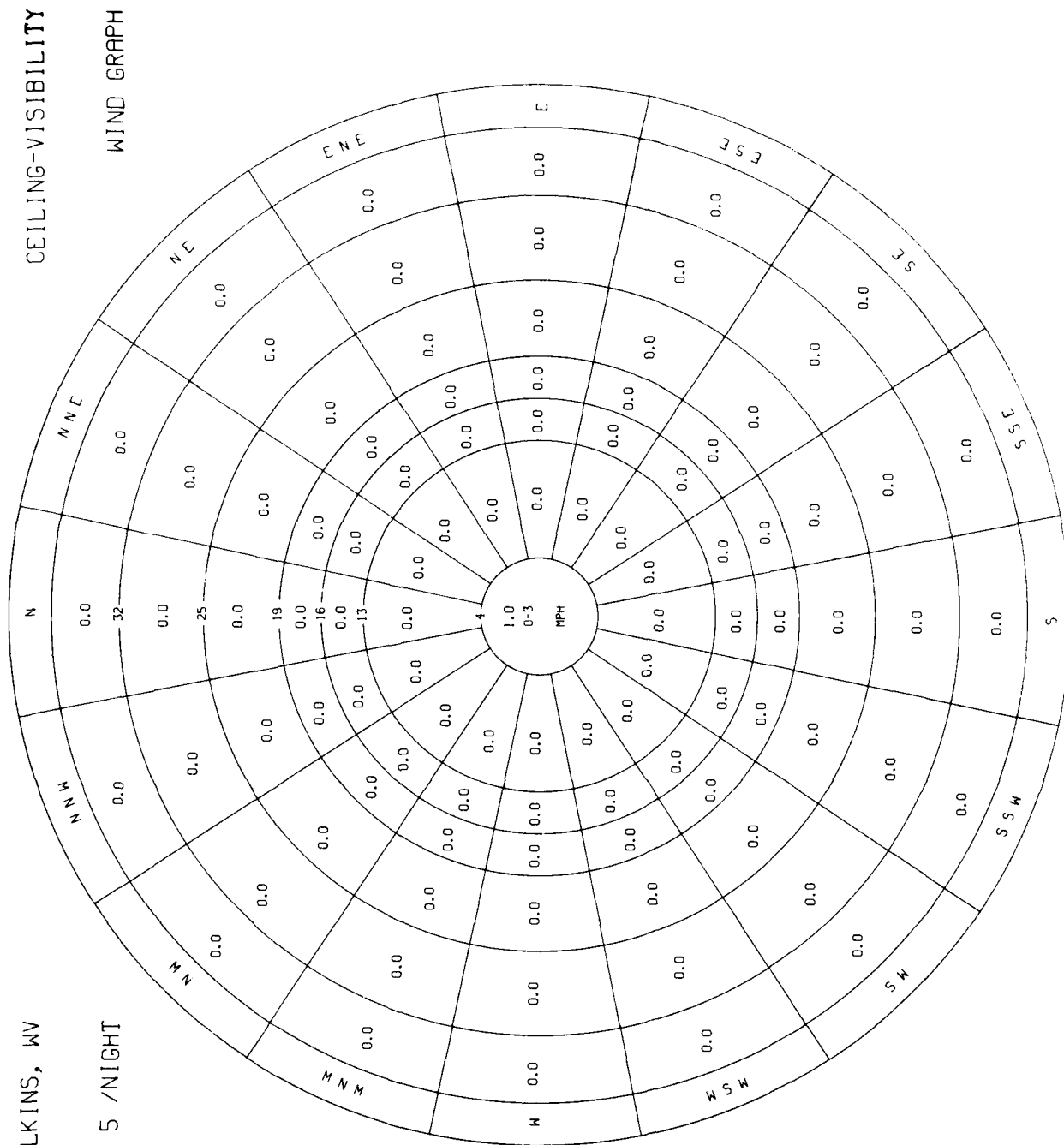
STATION NUMBER: 13729

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	.8	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.8
NNE	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
NE	.0	1.6	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.2
ENE	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0
E	.0	2.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.1
ESE	.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.6
SE	.0	2.4	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.5
SSE	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.1
S	.0	2.4	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	3.7
SSW	.0	2.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.5
SW	.0	4.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	3.3
WSW	.0	1.2	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.0	8.1
W	.0	4.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	3.3
WNW	.0	.4	.0	.4	.0	1.2	.0	.4	.0	.8	.0	.4	.0	.4	.0	4.0	17.1
NW	.0	2.4	.0	2.4	.0	.0	.0	.8	.0	.4	.0	.4	.0	.0	.1	6.3	8.6
NNW	.0	.4	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.8
CALM	.4	45.8													.4	45.8	
TOTAL	.6	74.7	.2	19.4	.0	2.0	.0	1.2	.0	1.6	.0	.8	.0	.4	.8	100	30

EKN ELKINS, WV

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 5 / NIGHT

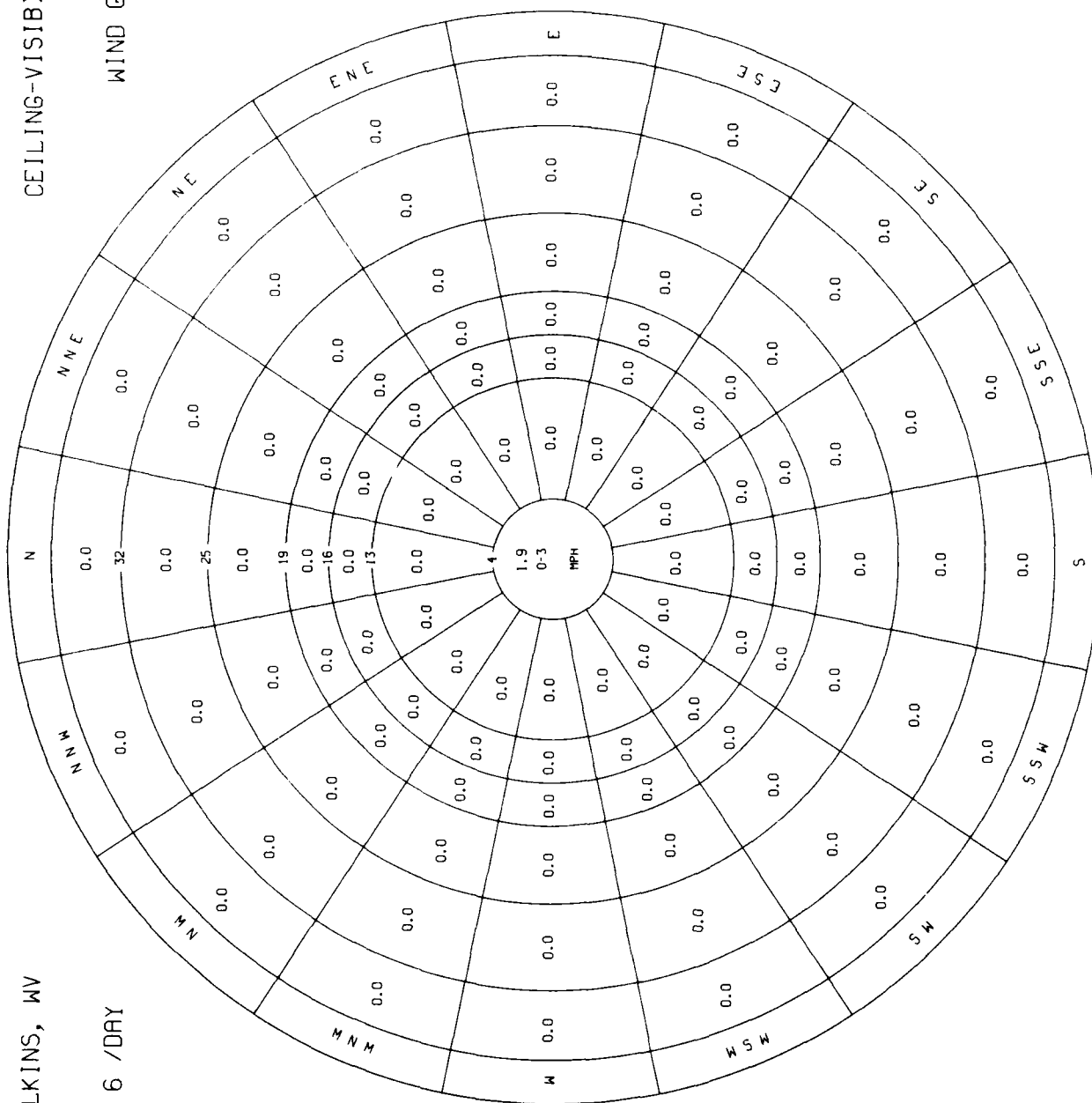
STATION NUMBER: 13729

NO. OBS.: 350

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.0
NNE	.0	.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
NE	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
ENE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
E	.0	2.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
ESE	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4
SE	.1	4.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3
SSE	.0	1.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
S	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4
SSW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
SW	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
WSW	.0	1.7	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	2.3
W	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0	2.9
WNW	.0	1.4	.0	.9	.0	.3	.0	.0	.0	.6	.0	.3	.0	.0	3.4
NW	.0	.9	.0	2.6	.0	.0	.0	.6	.0	.6	.0	.3	.0	.0	4.9
NNW	.0	.3	.0	2.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	3.1
CALM	.8	58.0													58.0
TOTAL	1.0	78.6	.2	17.1	.0	.9	.0	1.1	.0	1.4	.0	.9	.0	.0	1.3
															100
															2.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 6 / DAY

STATION NUMBER: 13729

NO. OBS.: 652

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		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	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.8
NNE	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0
NE	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.7
ENE	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.5
E	.1	3.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	2.5
ESE	.0	2.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	3.0
SE	.1	3.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	3.3
SSE	.0	1.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	3.7
S	.0	2.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	2.9
SSW	.0	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.3
SW	.1	3.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	2.8
WSW	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.5
W	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	2.4
WNW	.0	.5	.0	.2	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.9	9.0
NW	.0	1.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.9
NNW	.0	.3	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.6	6.3
CALM	1.4	66.4													1.4	66.4	
TOTAL	1.9	92.2	.2	7.4	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	2.1	100	1.0

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EKN ELKINS, WV

PERIOD: 1948-1967

CLASS 6 / NIGHT

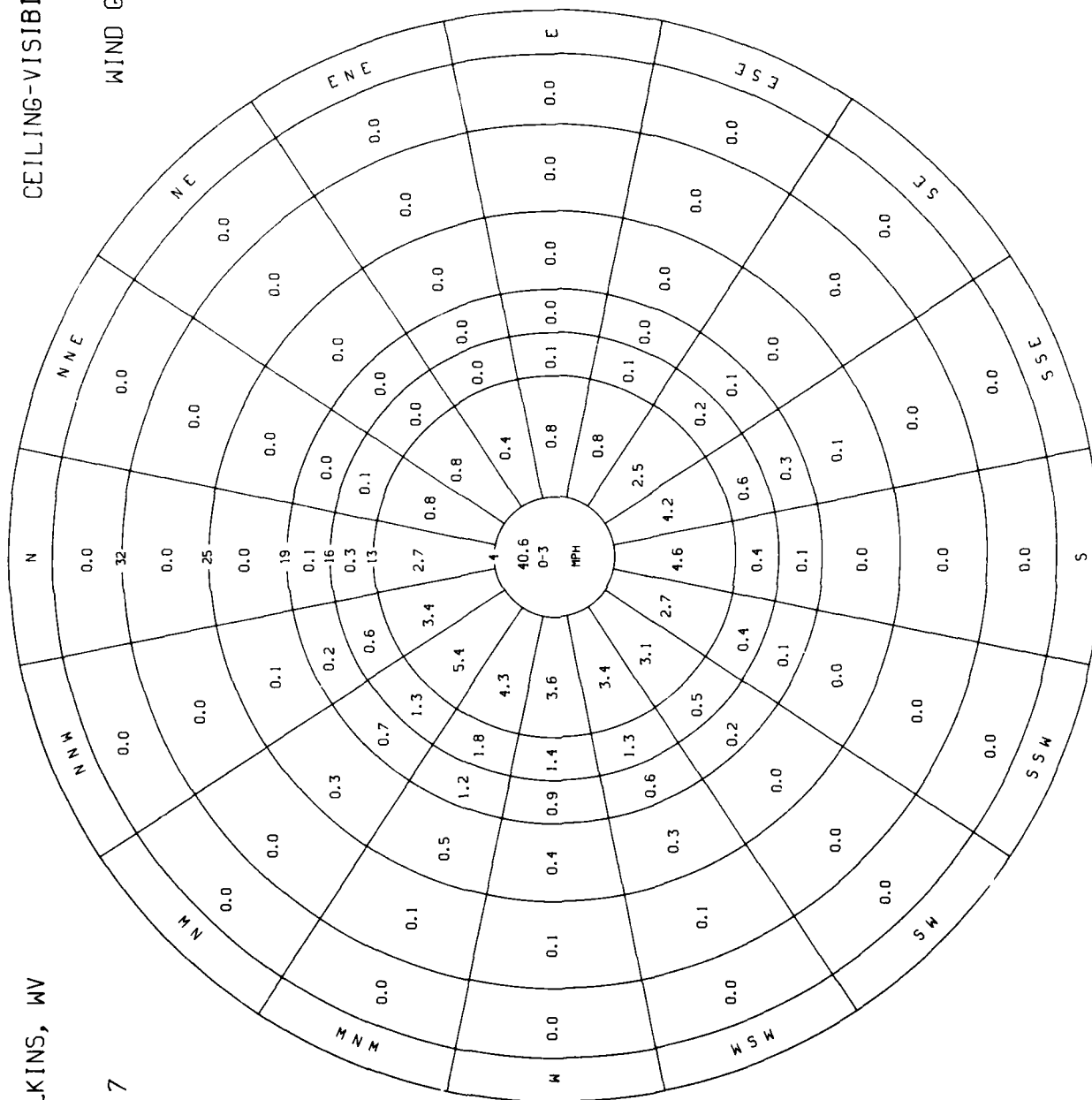
STATION NUMBER: 13729

NO. OBS.: 1173

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
NNE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
NE	.1	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4
ENE	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
E	.2	3.9	.1	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.4
ESE	.1	2.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.6
SE	.2	5.5	.1	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	7.0
SSE	.1	2.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6
S	.1	2.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2
SSW	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4
SW	.1	2.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6
WSW	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.1	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4
WNW	.0	.5	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.7
NW	.0	.9	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.1	1.3
NNW	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
CALM	2.9	66.0												2.9	66.0
TOTAL	4.0	91.6	.4	8.1	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	1.0

CEILING-VISIBILITY

WIND GRAPH

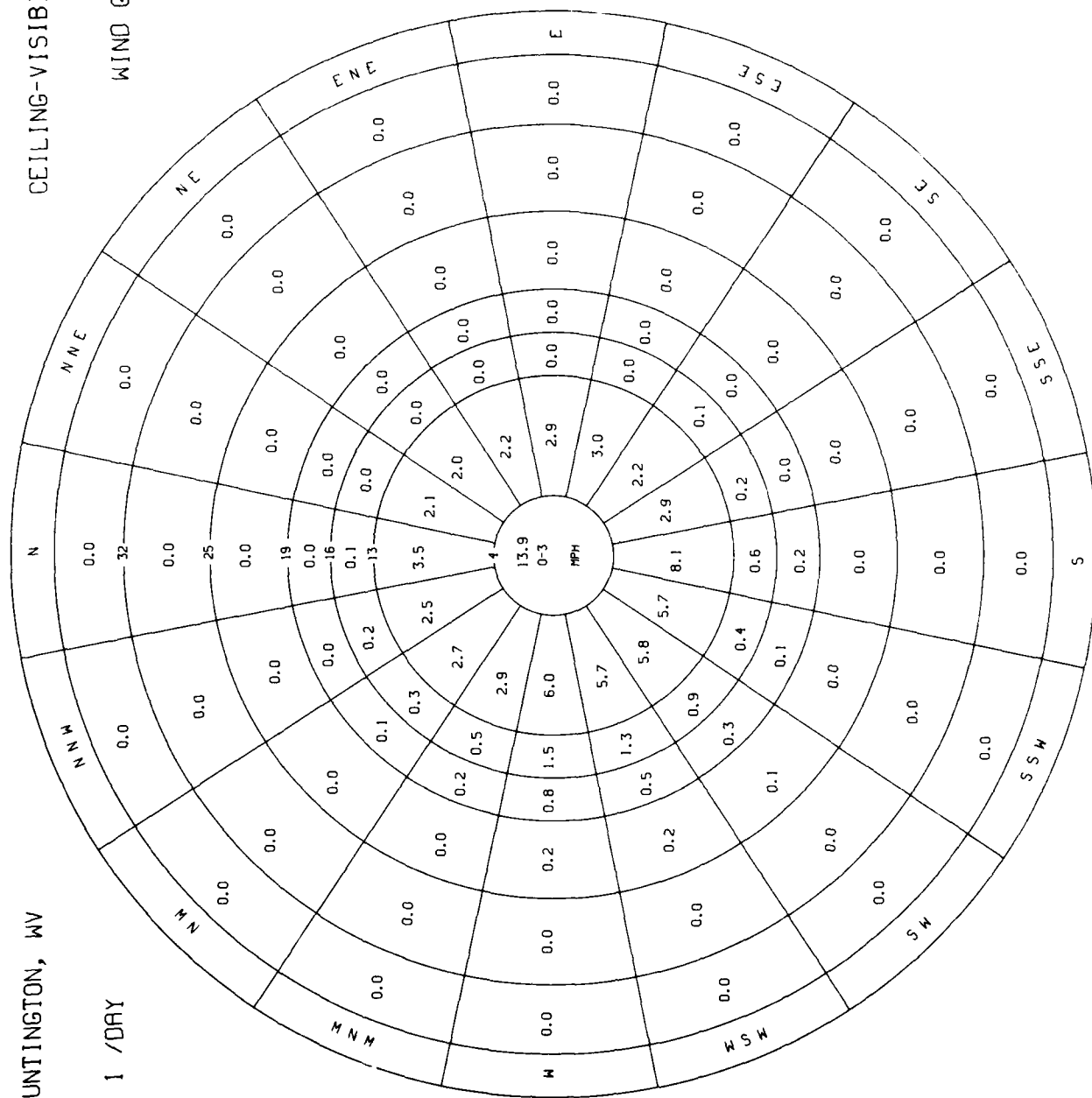


HTS HUNTINGTON, WV

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 1 / DAY

STATION NUMBER: 03860

NO. OBS.: 18880

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.1	1.3	3.5	4.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.7 5.7
NNE	.6	.7	2.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7 3.3
NNE	.8	.9	2.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8 3.3
ENE	.7	.9	2.2	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9 3.5
E	.9	1.1	2.9	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9 4.6
ESE	1.0	1.2	3.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1 4.9
SE	.7	.8	2.2	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0 3.6
SSE	.5	.6	2.9	3.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	3.6 4.3
S	1.2	1.5	8.1	9.7	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	10.1 12.1
SSW	.8	.9	5.7	6.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	6.9 8.3
SW	.6	.7	5.8	7.0	.9	1.0	.3	.4	.1	.1	.0	.0	.0	.0	7.7 9.2
WSW	.5	.6	5.7	6.8	1.3	1.5	.5	.7	.2	.3	.0	.0	.0	.0	8.3 9.9
W	.4	.5	6.0	7.2	1.5	1.8	.8	.9	.2	.3	.0	.0	.0	.0	9.0 10.8
WNW	.4	.4	2.9	3.5	.5	.6	.2	.2	.0	.1	.0	.0	.0	.0	4.1 4.9
NW	.4	.4	2.7	3.2	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.5 4.2
NNW	.5	.6	2.5	3.0	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	3.3 3.9
CALM	2.9	3.5													2.9 3.5
TOTAL	13.9	16.6	60.4	72.2	6.2	7.4	2.4	2.8	.7	.8	.1	.1	.0	.0	83.6 100
															7.5

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 1 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 15369

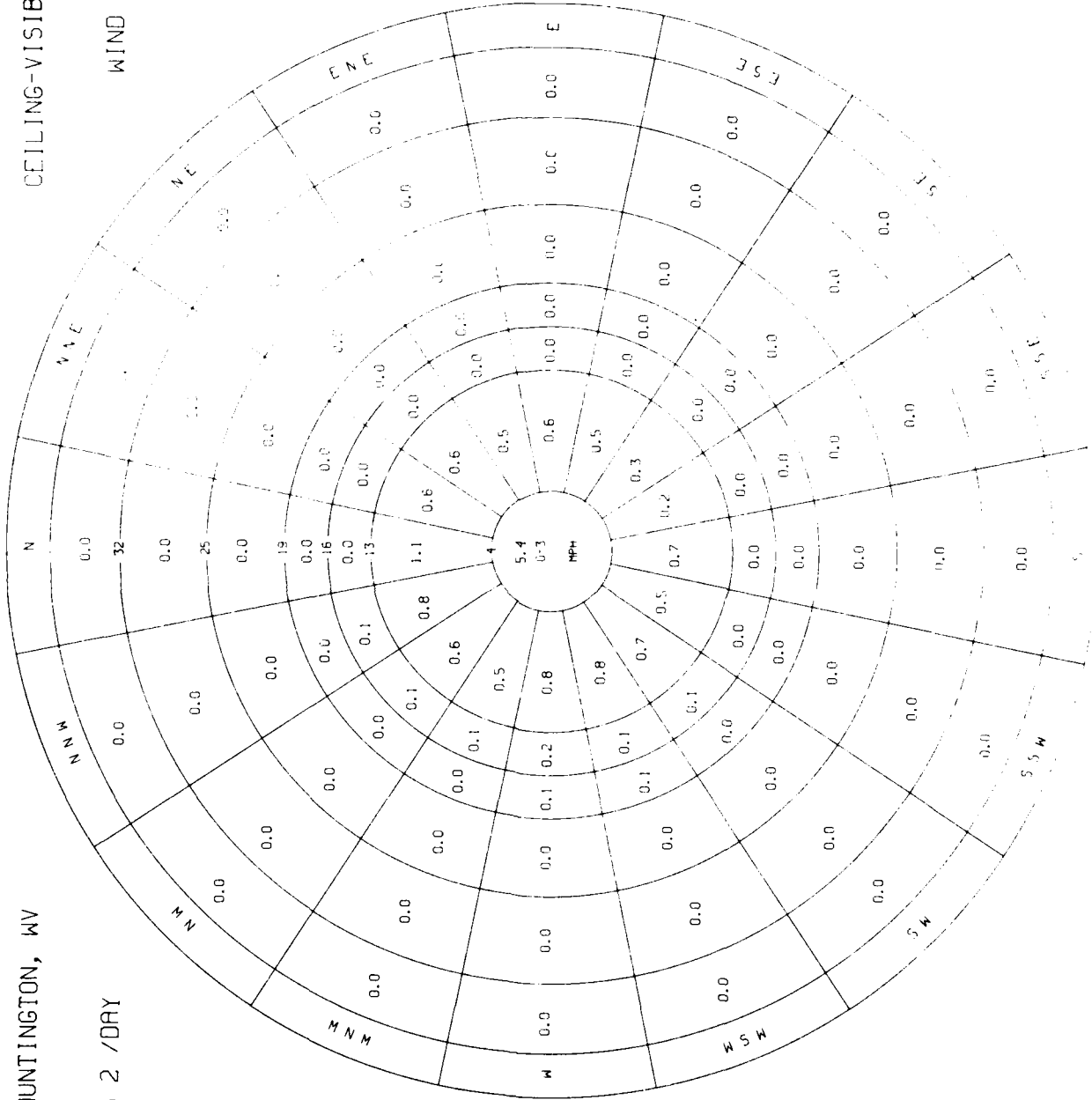
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	1.0	1.2	2.6	3.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.7 4.4
NNE	.7	.8	1.6	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3 2.8
NE	.9	1.0	1.9	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8 3.4
ENE	.8	.9	1.8	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6 3.1
E	1.8	2.1	3.2	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0 5.9
ESE	2.1	2.6	4.7	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9 8.2
SE	1.3	1.6	3.1	3.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.6 5.4
SSE	.7	.9	3.0	3.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.8 4.6
S	1.5	1.8	7.6	9.1	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	9.5 11.3
SSW	1.2	1.4	5.0	5.9	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	6.3 7.5
SW	.9	1.0	4.9	5.8	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.2 7.3
WSW	.5	.6	3.6	4.3	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	5.2 6.1
W	.3	.4	4.0	4.8	.8	1.0	.4	.5	.2	.2	.0	.0	.0	.0	5.7 6.8
WNW	.3	.3	2.2	2.6	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	3.0 3.6
NW	.3	.4	1.9	2.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.6 3.1
NNW	.5	.5	2.0	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6 3.1
CALM	11.1	13.3													11.1 13.3
TOTAL	25.8	30.8	53.3	63.5	3.2	3.8	1.2	1.4	.4	.4	.0	.0	.0	.0	83.9 100
															5.7

CEILING-VISIBILITY

WIND GRAPH

HTS HUNTINGTON, WV

CLASS 2 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1965-1978

STATION NAME: HTS HUNTINGTON, WV

CLASS 2 / DAY

NO. OBS.: 3699

STATION NUMBER: 03960

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	2.7	1.1	6.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	1.6 9.7
NNE	.2	1.3	.6	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	9 5.3
NE	.2	.4	.6	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8 5.1
ENE	.2	1.3	.5	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.8 4.1
E	.3	1.7	.6	3.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9 5.4
ESE	.2	1.3	.5	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7 4.2
SE	.2	1.5	.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5 3.4
SSE	.1	.7	.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4 2.7
S	.3	1.7	.7	4.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0 5.8
SSW	.1	.8	.5	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6 3.8
SW	.2	1.0	.7	4.1	.1	.3	.0	.0	.0	.1	.0	.0	.0	.0	.9 5.5
WSW	.2	.9	.8	5.0	.1	.8	.1	.4	.0	.1	.0	.1	.0	.0	1.2 7.3
W	.6	.6	.8	4.9	.2	1.1	.1	.4	.0	.3	.0	.1	.0	.0	1.2 7.4
WNW	.6	.6	.5	3.1	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.8 4.6
NW	.2	1.1	.6	3.9	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	1.0 5.9
NNW	.2	.7	.8	4.9	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.1 6.6
CALM	.2	1.3													1.1 13.0
TOTAL	5.4 32.9		9.9 60.6		7.4 4.5		10.1 1.3		1.1 .8		.0 .1		.0 .0		16.4 100

AD-A108 157

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/O 4/2

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

JUN 81

DOT-FA79WAI-057

UNCLASSIFIED

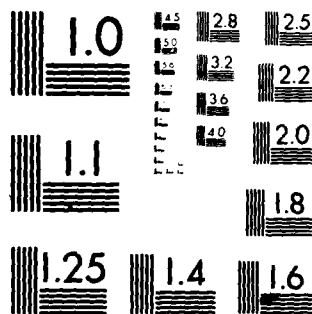
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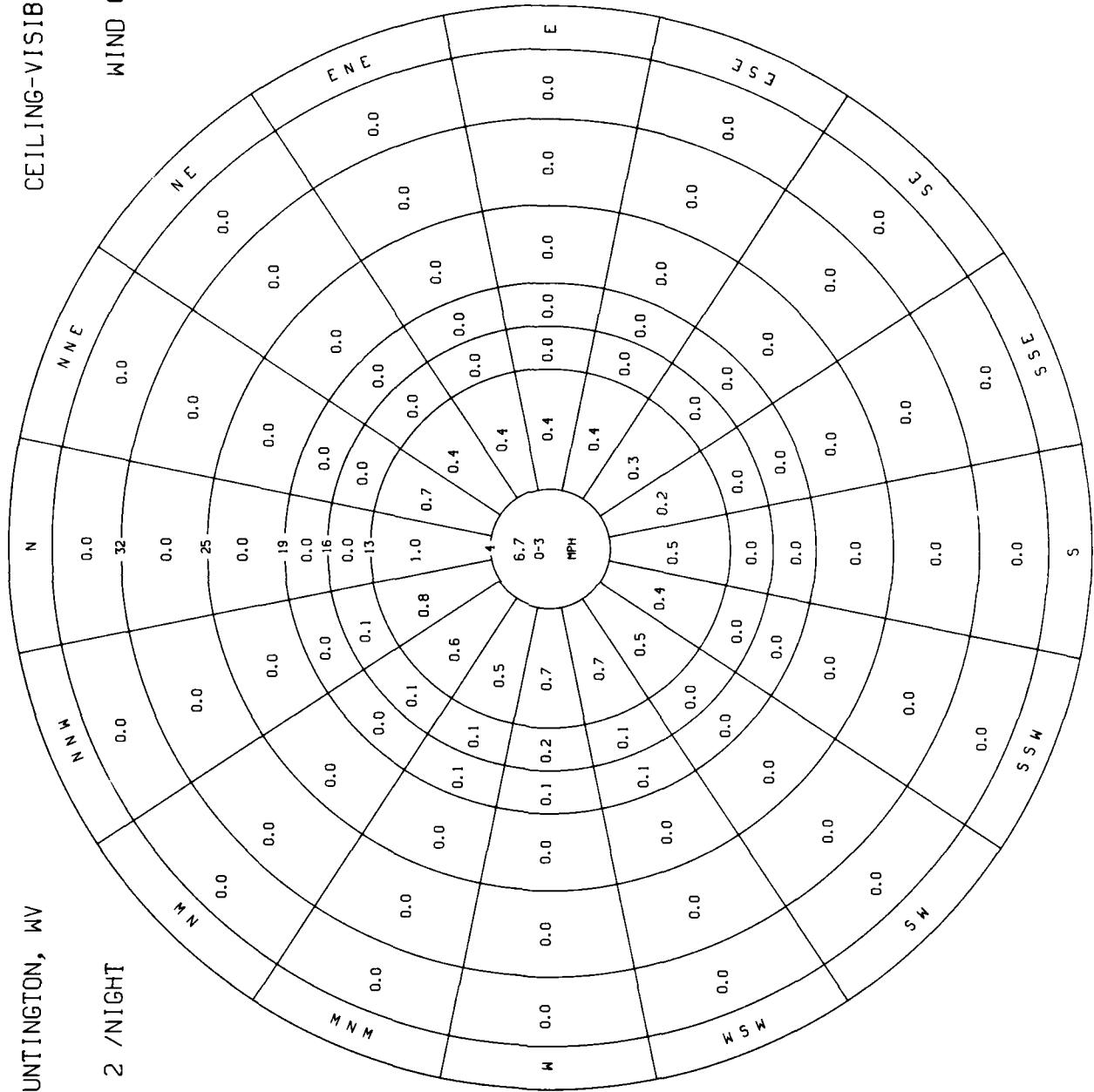
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 2 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 2954

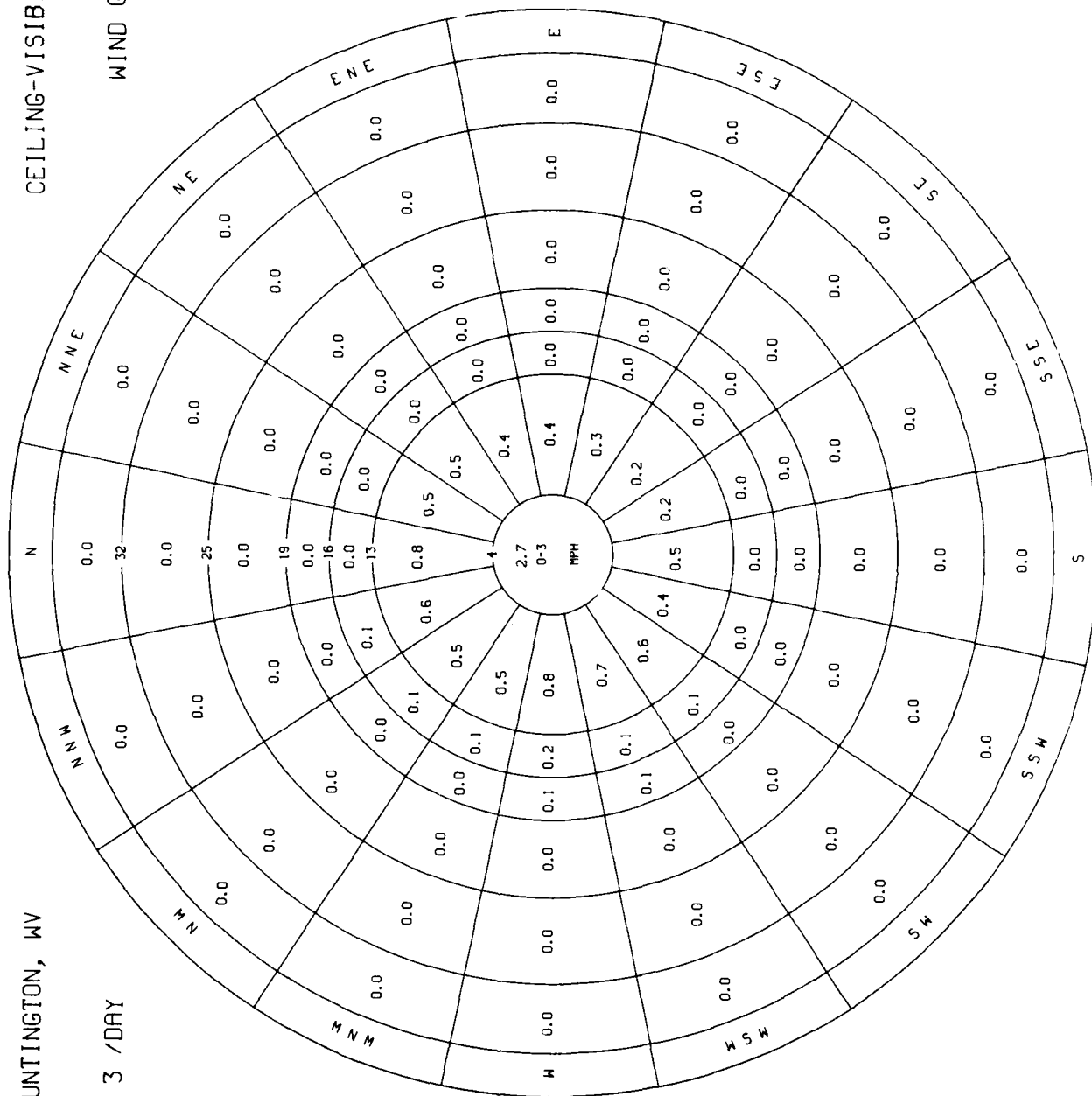
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.3	1.9	1.0	6.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.2	6.2
NNE	.2	1.4	.7	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.6	5.6
NE	.2	1.2	.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.6	5.2
ENE	.1	.9	.4	2.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.6	5.9
E	.3	1.7	.4	2.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.4	5.2
ESE	.3	2.0	.4	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.6	4.5
SE	.3	1.6	.3	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4	4.5
SSE	.2	.9	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	4.8
S	.2	1.2	.5	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.2	5.4
SSW	.2	1.1	.4	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.5	5.3
SW	.2	1.0	.5	2.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.2	6.6
WSW	.1	.6	.7	4.6	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.0	1.0	6.4	9.1
W	.1	.8	.7	4.4	.2	1.0	.1	.6	.0	.1	.0	.1	.0	.0	.0	1.1	7.0	9.7
WNW	.0	.3	.5	3.2	.1	.6	.1	.3	.0	.0	.0	.0	.0	.0	.0	.7	4.5	9.7
NW	.1	.7	.6	3.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.8	5.1	7.8
NNW	.2	1.1	.8	5.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.7	7.5
CALM	3.7	22.8														3.7	22.8	
TOTAL	6.7	41.3	8.5	52.6	.6	3.9	.3	1.7	.0	.3	.0	.1	.0	.1	.0	16.1	100	5.2

HTS HUNTINGTON, WV

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 3 / DAY

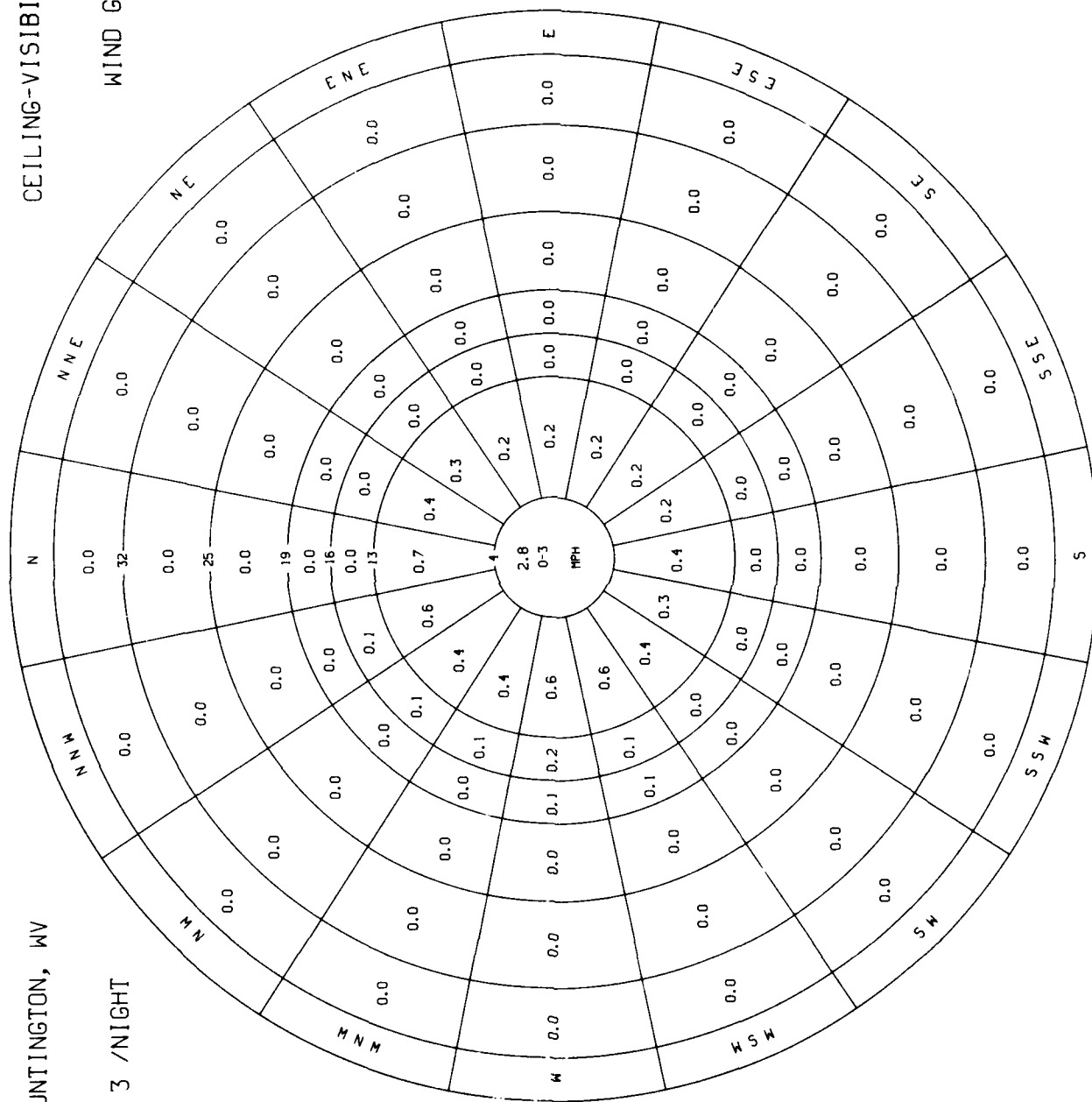
STATION NUMBER: 03860

NO. OBS.: 2616

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL			
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D		
N	.3	2.3	.8	6.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	9.4	6.4
NNE	.1	1.0	.5	4.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.5	6.1
NE	.1	.9	.5	3.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.9	6.1
ENE	.1	1.0	.4	3.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	4.4	6.2
E	.2	1.3	.4	3.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.7	5.8
ESE	.1	1.1	.3	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.0	5.3
SE	.1	1.2	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	3.0	5.1
SSE	.0	.3	.2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.1	6.0
S	.2	1.6	.5	4.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.3	5.9
SSW	.1	.7	.4	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.3	5.9
SW	.1	1.0	.6	5.0	.1	.5	.0	.0	.0	.2	.0	.0	.0	.0	.0	.8	6.5	7.3
WSW	.1	.9	.7	6.4	.1	1.1	.1	.5	.0	.2	.0	.1	.0	.0	.0	1.1	9.2	8.9
W	.1	.6	.8	6.5	.2	1.4	.1	.5	.0	.4	.0	.1	.0	.0	.0	1.1	9.5	10.0
WNW	.1	.6	.5	3.9	.1	.6	.0	.3	.0	.2	.0	.0	.0	.0	.0	.7	5.7	9.2
NW	.1	.9	.5	4.4	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.7	6.4	8.3
NNW	.1	.9	.6	5.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.7	7.7
CALM	.8	7.3														.8	7.3	
TOTAL	2.7	23.5	7.9	67.8	.7	5.8	.2	1.7	.1	1.0	.0	.2	.0	.0	.0	11.6	100	6.7

HIS HUNTINGTON, WV

CLASS 3 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 3 / NIGHT

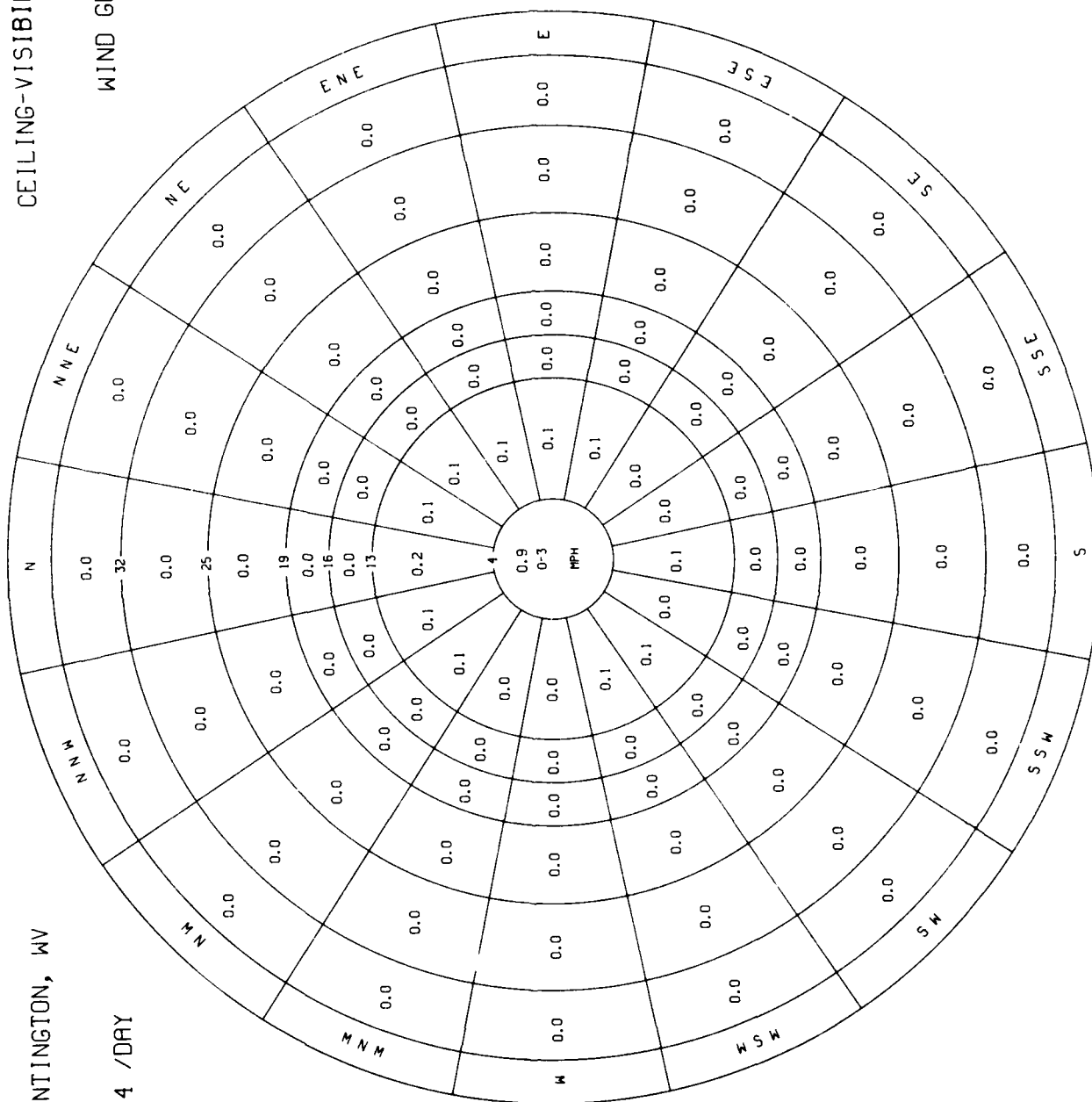
STATION NUMBER: 03860

NO. OBS.: 1824

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	1.3	.7	6.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.6	6.7
NNE	.1	.9	.4	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.3	6.1
NE	.1	1.1	.3	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.8	5.3
ENE	.1	.7	.2	2.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.2	6.5
E	.1	1.3	.2	2.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	3.7	5.4
ESE	.1	1.5	.2	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.7	4.7
SE	.1	1.0	.2	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.7	4.9
SSE	.1	.8	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.5	5.3
S	.1	.8	.4	3.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.5	4.6	5.9
SSW	.1	.8	.3	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0	5.4
SW	.1	.8	.4	4.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5	5.3	7.3
WSW	.1	.7	.6	6.5	.1	1.2	.1	.6	.0	.3	.0	.0	.0	.0	.9	9.3	9.6
W	.1	1.0	.6	6.4	.2	1.6	.1	.9	.0	.1	.0	.1	.0	.0	1.0	10.2	9.9
WNW	.0	.2	.4	4.3	.1	.9	.0	.5	.0	.1	.0	.1	.0	.0	.6	6.0	10.2
NW	.1	.7	.4	4.3	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.6	5.6	8.5
NNW	.1	1.2	.6	5.9	.1	.7	.0	.1	.0	.1	.0	.0	.0	.1	.8	7.9	8.0
CALM	1.4	13.6													1.4	13.6	
TOTAL	2.8	28.3	6.2	62.4	.6	6.0	.3	2.5	.0	.5	.0	.2	.0	.1	10.0	100	6.4

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 4 / DAY

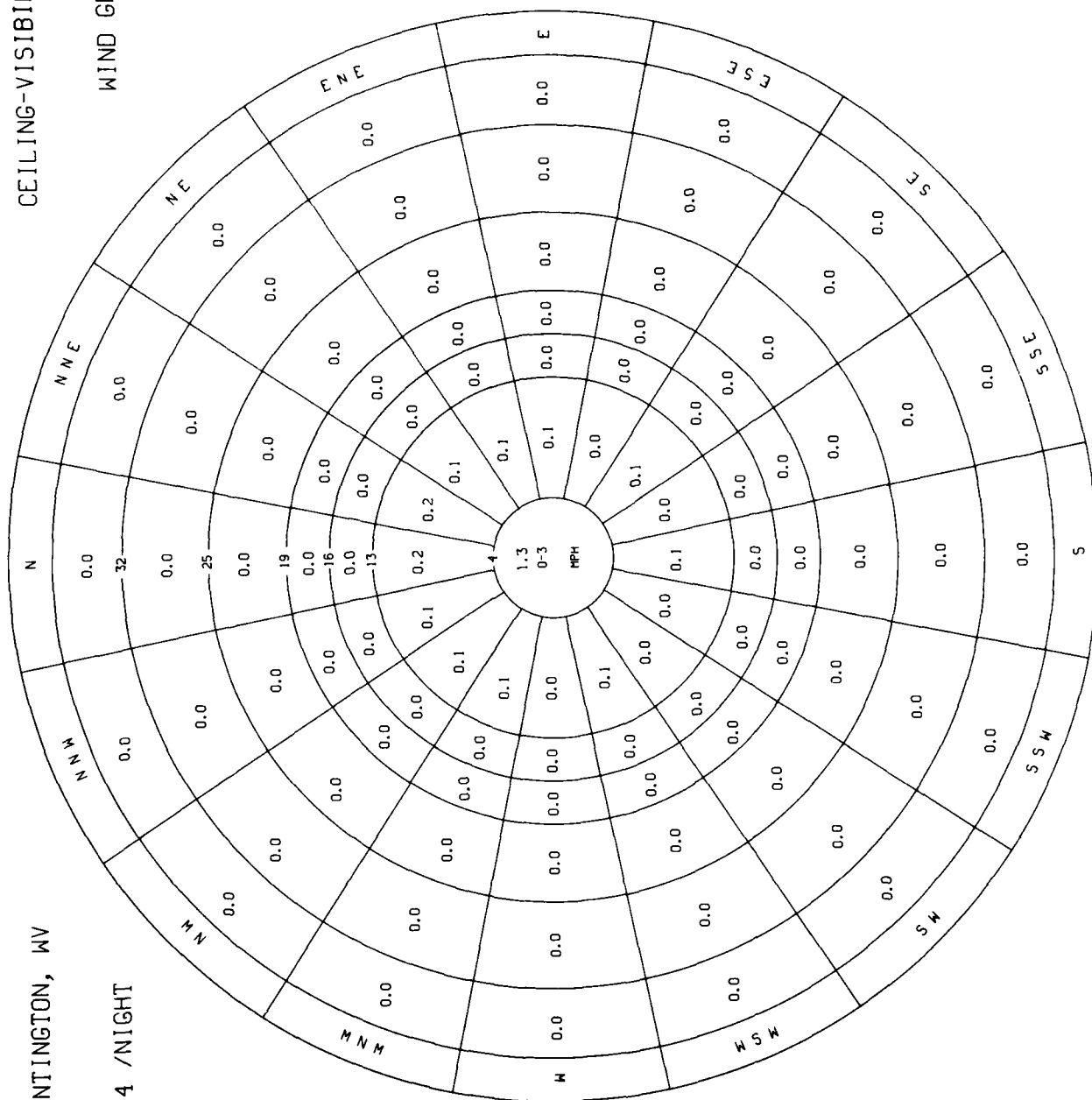
STATION NUMBER: 03860

NO. OBS.: 528

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C		D
N	.1	3.2	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	12.3	5.5
NNE	.0	.8	.1	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	6.3
NE	.0	2.1	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.8	5.3
ENE	.0	.9	.1	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.5	6.5
E	.1	3.0	.1	6.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.5	5.4
ESE	.0	.8	.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	5.3
SE	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.2	4.2
SSE	.0	1.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.6
S	.0	1.1	.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.5	5.2
SSW	.0	.2	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	5.2
SW	.0	.9	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	5.3
WSW	.0	1.1	.1	2.8	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.1	4.4	7.0
W	.0	.6	.0	1.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.7	8.2
WNW	.0	.6	.0	1.7	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.7	7.9
NW	.0	1.1	.1	4.7	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	6.1	6.5
NNW	.0	1.1	.1	5.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.4	7.4
CALM	.4	16.1															
TOTAL	.9	37.1	1.4	60.4	.0	1.5	.0	.6	.0	.4	.0	.0	.0	.0	.4	16.1	5.0

HTS HUNTINGTON, WV

CLASS 4 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 4 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 478

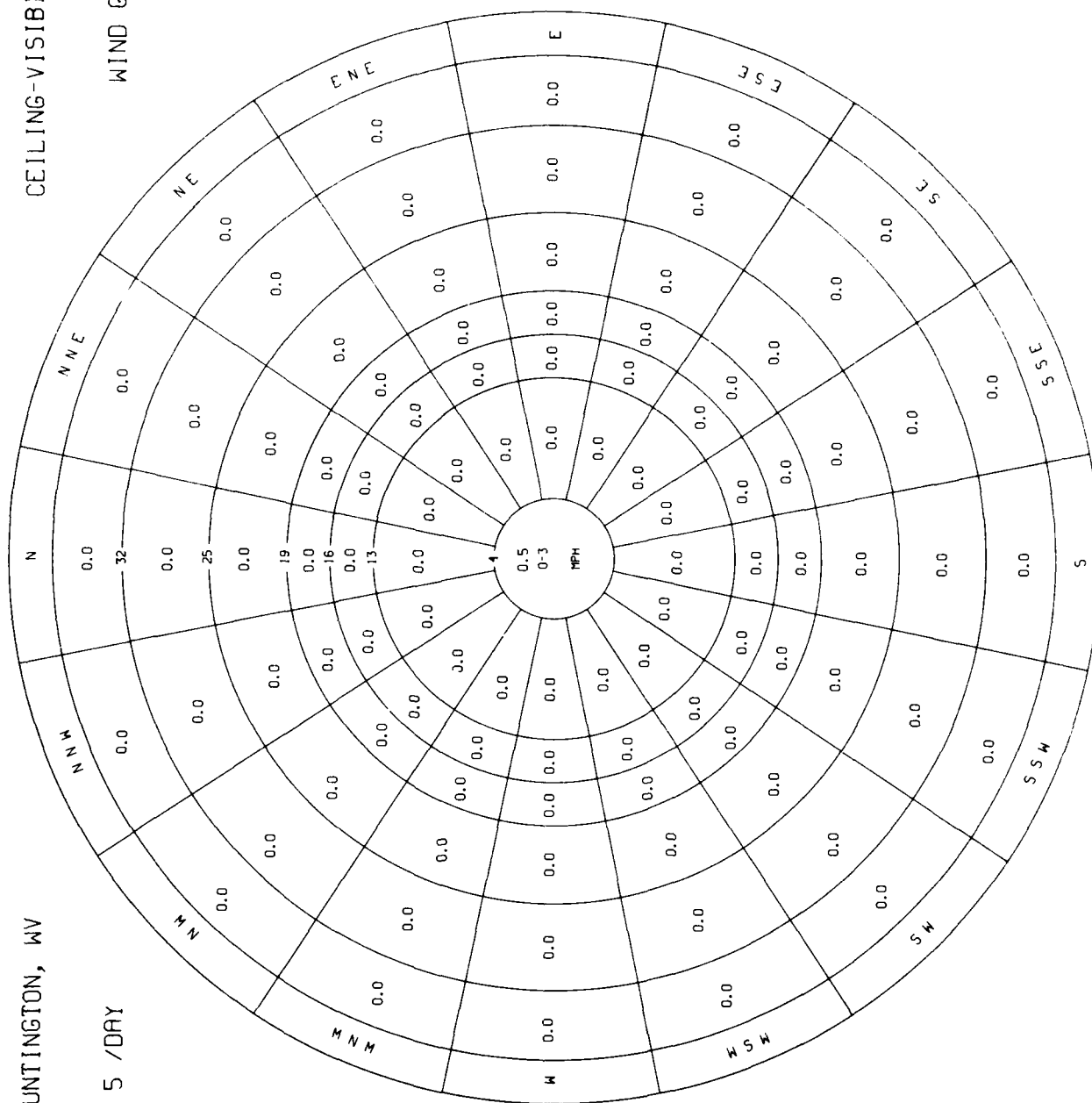
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	2.1	.2	5.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	8.2	5.9
NNE	.0	1.9	.2	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.9	5.6
NE	.1	2.1	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	4.9
ENE	.0	.8	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	5.8
E	.0	1.5	.1	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	5.8
ESE	.1	3.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	3.7
SE	.1	3.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	3.9
SSE	.0	1.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.1	3.6
S	.1	2.3	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	4.2
SSW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	4.2
SW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	4.4
WSW	.0	.0	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	5.5
W	.0	.8	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	2.7	8.3
WNW	.0	.6	.1	2.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	7.7
NW	.0	.8	.1	5.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	6.5	7.3
NNW	.0	.8	.1	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	6.1
CALM	.7	25.5														.7	25.5	
TOTAL	1.3	50.4	1.3	48.1	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.2	2.6	100	4.1

HTS HUNTINGTON, WV

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1965-1978

STATION NAME: HTS HUNTINGTON, WV

CLASS 5 / DAY

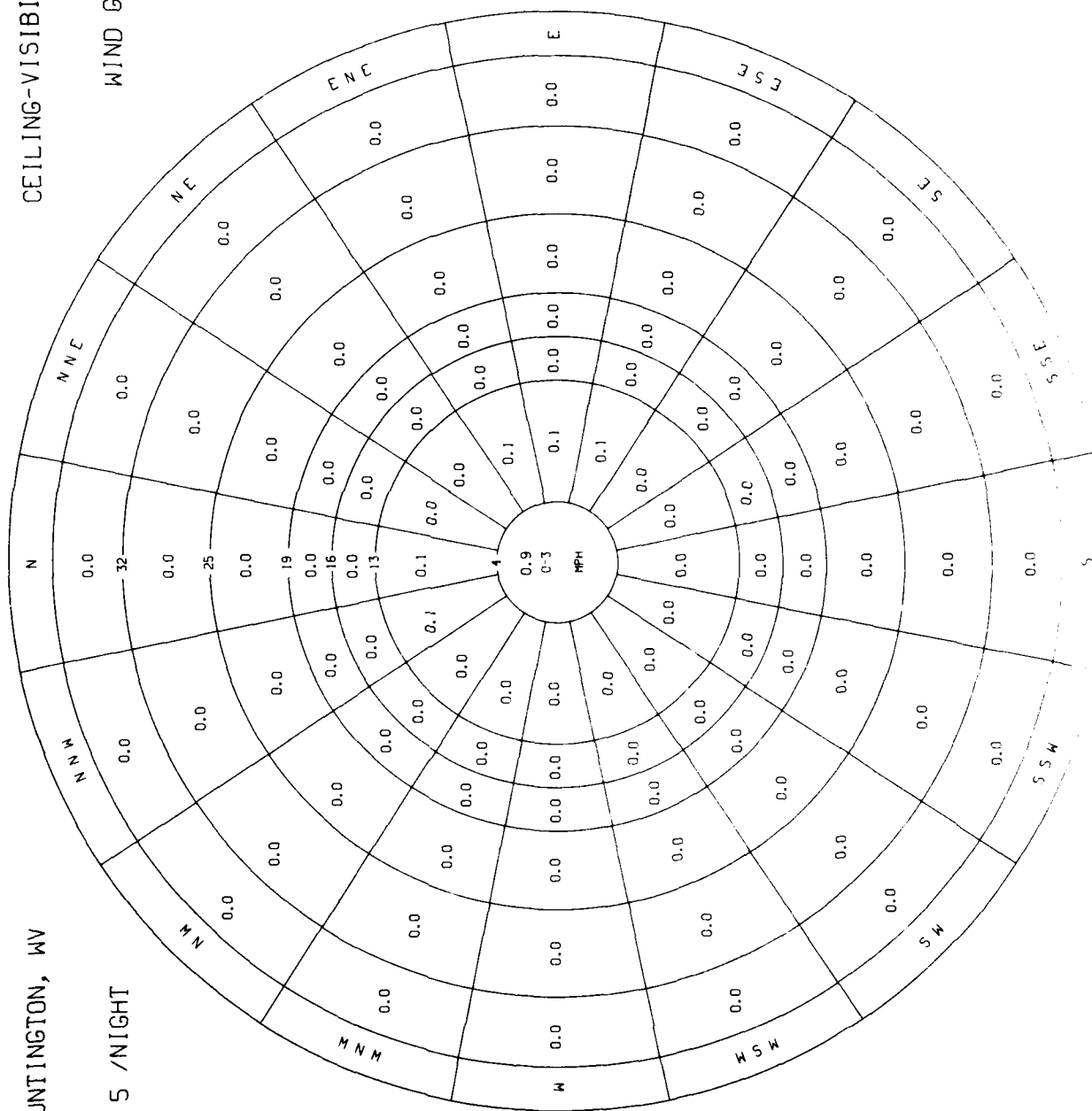
NO. OBS.: 183

STATION NUMBER: 03860

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED		
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL	
																C	D
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D
N	.0	2.2	.0	4.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	6.6
NNE	.0	2.7	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.0
NE	.0	2.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.0
ENE	.0	3.8	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	4.7
E	.0	2.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.0
ESE	.0	4.9	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.8	4.3
SE	.0	1.6	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	4.3
SSE	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.7
S	.0	2.2	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	4.3
SSW	.0	3.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	4.0
SW	.0	.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.0
WSW	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.0
W	.0	1.6	.0	1.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.0
WNW	.0	.5	.0	1.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	2.2	7.5
NW	.0	3.3	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	5.4
NNW	.0	.5	.0	6.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.1	7.5
CALM	.2	23.0													.2	23.0	
TOTAL	.5	58.5	.3	38.3	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	.8	100	4.0

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 5 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 284

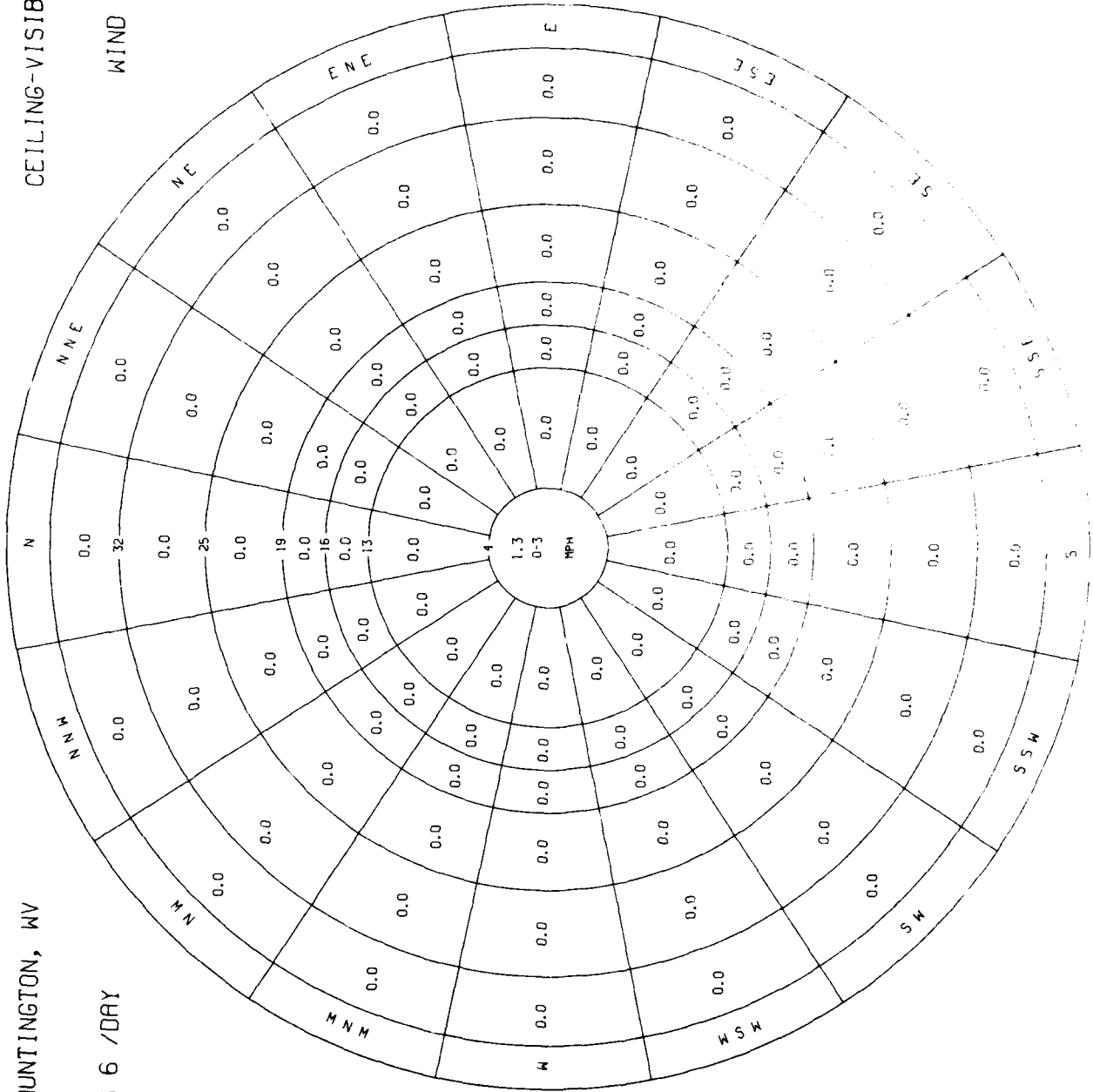
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	2.8	.1	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	5.7
NNE	.0	2.5	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	4.5
NE	.0	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.0
ENE	.0	2.1	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	4.7
E	.0	2.5	.1	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	5.3
ESE	.1	4.2	.1	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.5	4.4
SE	.0	.7	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.0
SSE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
S	.0	1.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.5
SSW	.0	2.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.5
SW	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.5
WSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.1
W	.0	.4	.0	1.8	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.4	9.2
WNW	.0	.4	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	3.9	5.6
NW	.0	1.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	7.2
NNW	.0	.7	.1	4.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	33.1	
CALM	.5	33.1														.5	33.1	
TOTAL	.9	58.8	.6	39.8	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.5	100	3.5

HTS HUNTINGTON, WV

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 6 / DAY

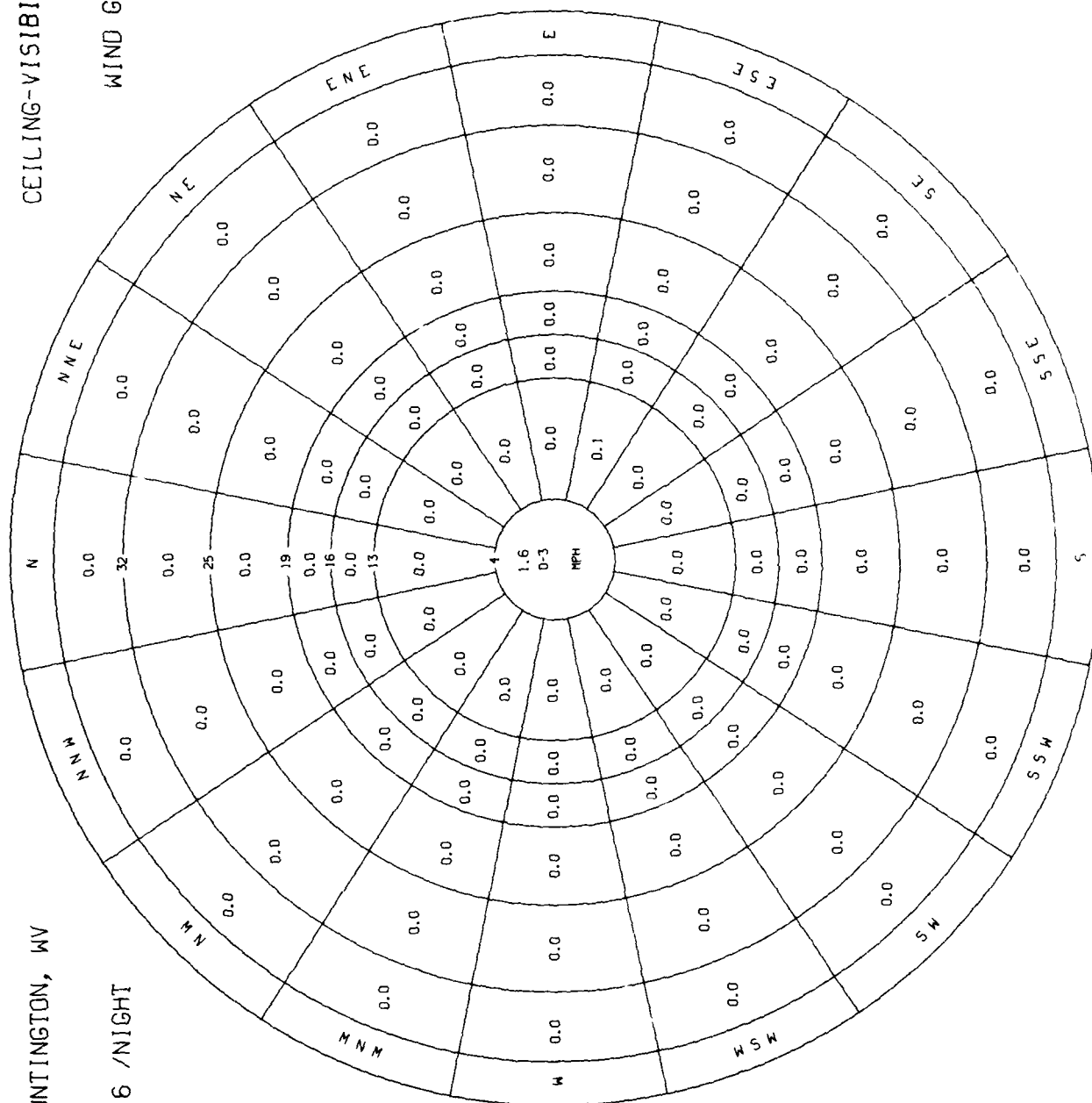
STATION NUMBER: 03860

NO. OBS.: 372

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B		C	D	
N	.1	5.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.3	4.1
NNE	.1	3.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	3.2
NE	.1	3.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	3.5
ENE	.0	3.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	3.4
E	.0	2.4	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	4.1
ESE	.0	2.2	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	3.9
SE	.0	2.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	3.9
SSE	.0	2.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.3
S	.0	2.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.8	3.9
SSW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.5
SW	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.9
WSW	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.0
W	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0
WNW	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.7
NW	.0	1.3	.0	1.1	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	2.7	5.8
NNW	.0	3.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.8	3.9
CALM	.7	44.4													.7	44.4		
TOTAL	1.3	79.3	.3	20.2	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.6	100	2.2

CEILING-VISIBILITY
WIND GRAPH

HTS HUNTINGTON, WV
CLASS 6 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HTS HUNTINGTON, WV

PERIOD: 1965-1978

CLASS 6 / NIGHT

STATION NUMBER: 03860

NO. OBS.: 368

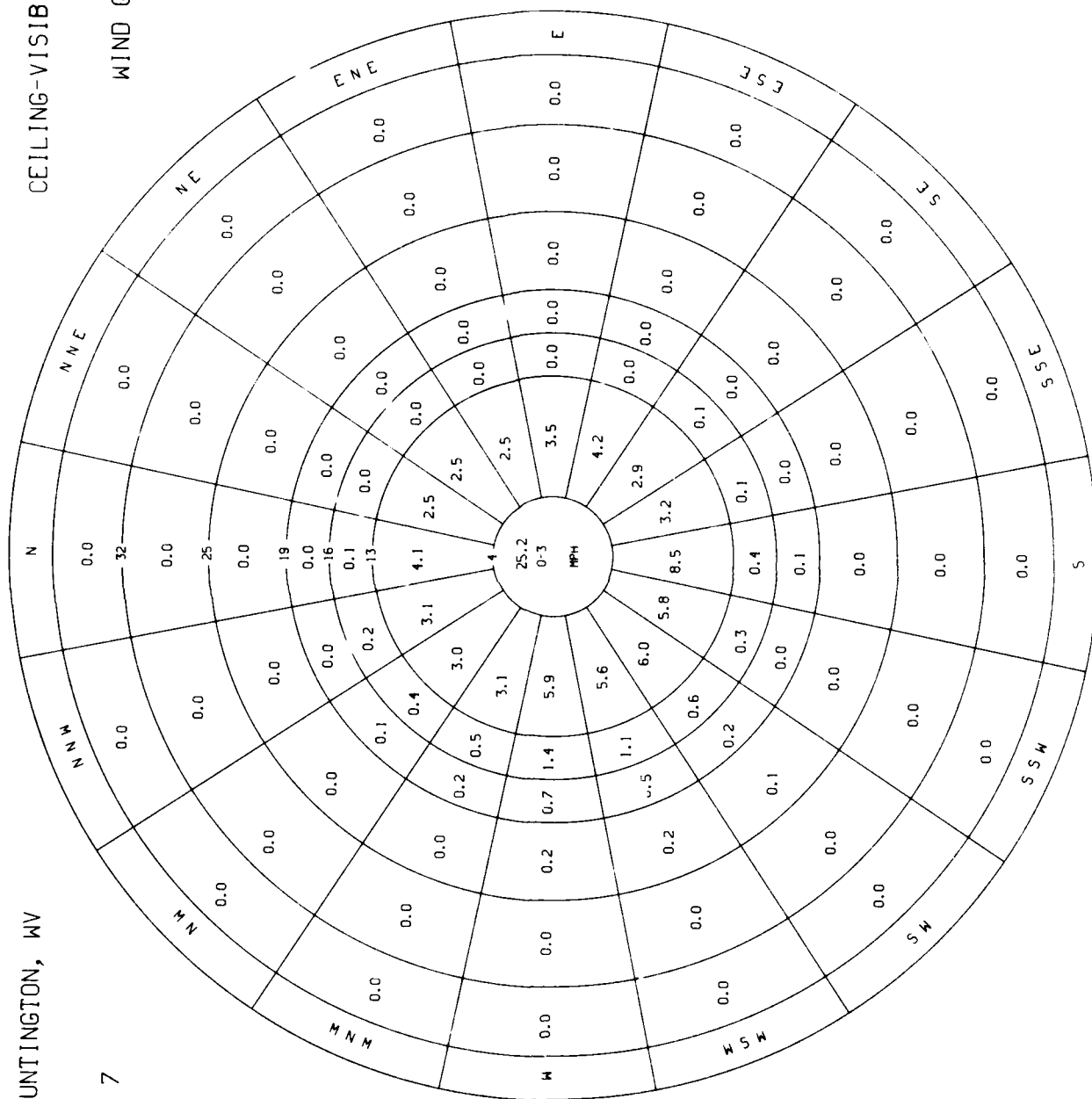
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	3.8	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.3
NNE	.0	2.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 3.8
NE	.0	.5	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
ENE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
E	.1	3.3	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.2
ESE	.0	1.6	.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.7
SE	.1	2.7	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 4.1
SSE	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.4
S	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
SSW	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
SW	.0	.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.9
WSW	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.1
W	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
WNW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .3
NW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.6
NNW	.0	1.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 2.7
CALM	1.1	56.8													1.1 56.8
TOTAL	1.6	80.4	.4	19.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.0 100

HTS HUNTINGTON, WV

CLASS 7

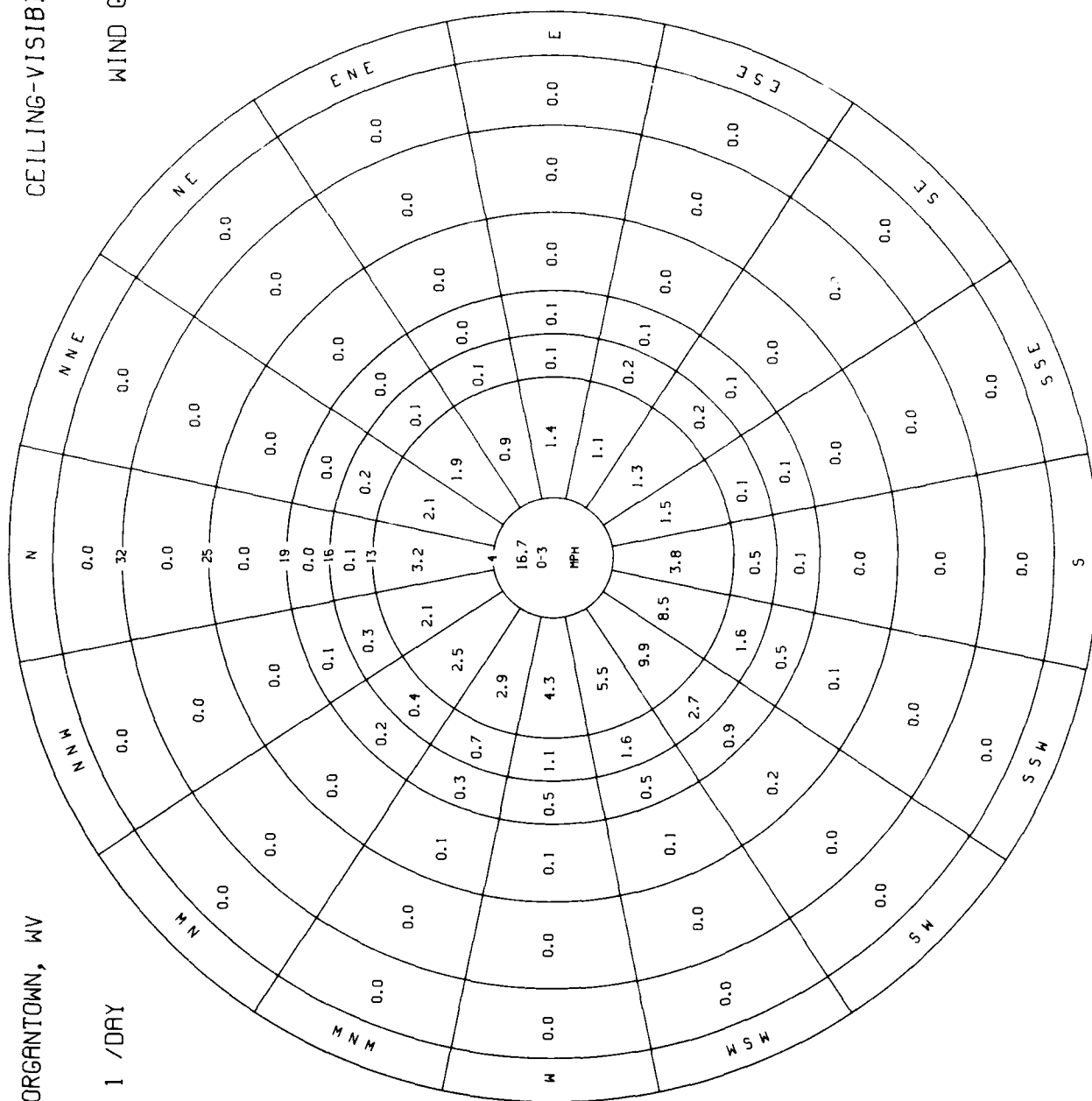
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 1 MINUTE

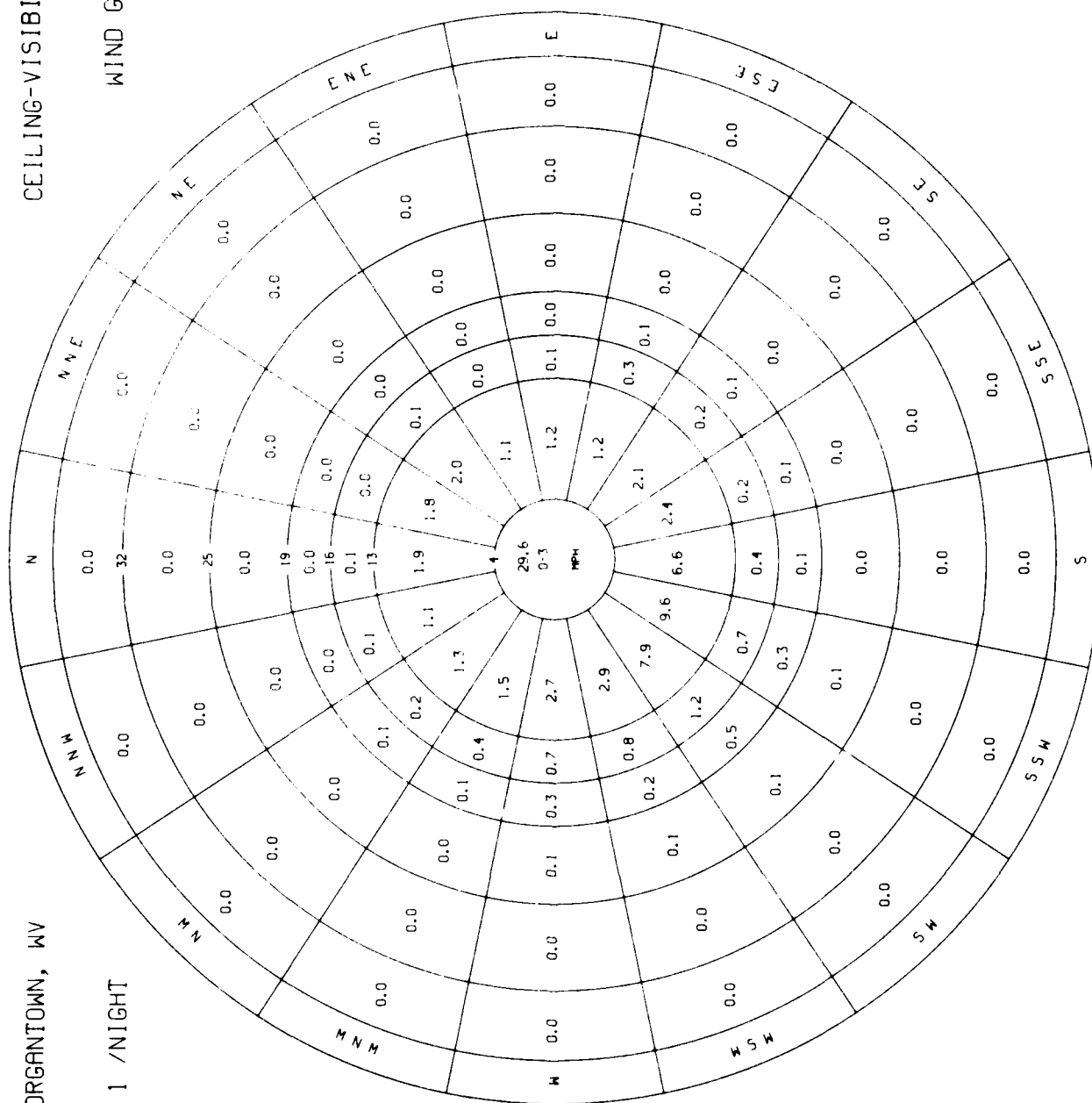
STATION NUMBER: 13736

NO. OBS.: 12941

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	.6	.7	3.2	3.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.9 4.7
NNE	.4	.5	2.1	2.5	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.7 3.2
NNE	.7	.8	1.9	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.7 3.2
ENE	.2	.2	.9	1.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2 1.4
E	.4	.5	1.4	1.7	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0 2.4
ESE	.1	.1	1.1	1.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.6 1.9
SE	.4	.4	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.9 2.3
SSE	.3	.3	1.5	1.8	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0 2.4
S	.7	.9	3.8	4.6	.5	.6	.1	.2	.0	.0	.0	.0	.0	.0	5.2 6.3
SSW	.9	1.1	8.5	10.2	1.6	1.9	.5	.6	.1	.2	.0	.0	.0	.0	11.7 14.0
SW	1.5	1.9	9.9	11.9	2.7	3.2	.9	1.0	.2	.2	.0	.0	.0	.0	15.2 18.2
WSW	.5	.6	5.5	6.6	1.6	1.9	.5	.6	.1	.2	.0	.0	.0	.0	8.2 9.8
W	.8	1.0	4.3	5.1	1.1	1.3	.5	.6	.1	.1	.0	.0	.0	.0	6.7 8.0
WNW	.4	.4	2.9	3.5	.7	.9	.3	.3	.1	.1	.0	.0	.0	.0	4.3 5.2
NW	.6	.7	2.5	3.0	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	3.7 4.4
NNW	.1	.2	2.1	2.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.6 3.1
CALM	8.0	9.6													8.0 9.6
TOTAL	16.7	20.0	52.8	63.3	9.9	11.9	3.3	3.9	.7	.8	.1	.1	.0	.0	83.5 100

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 1 / NIGHT

STATION NUMBER: 13736

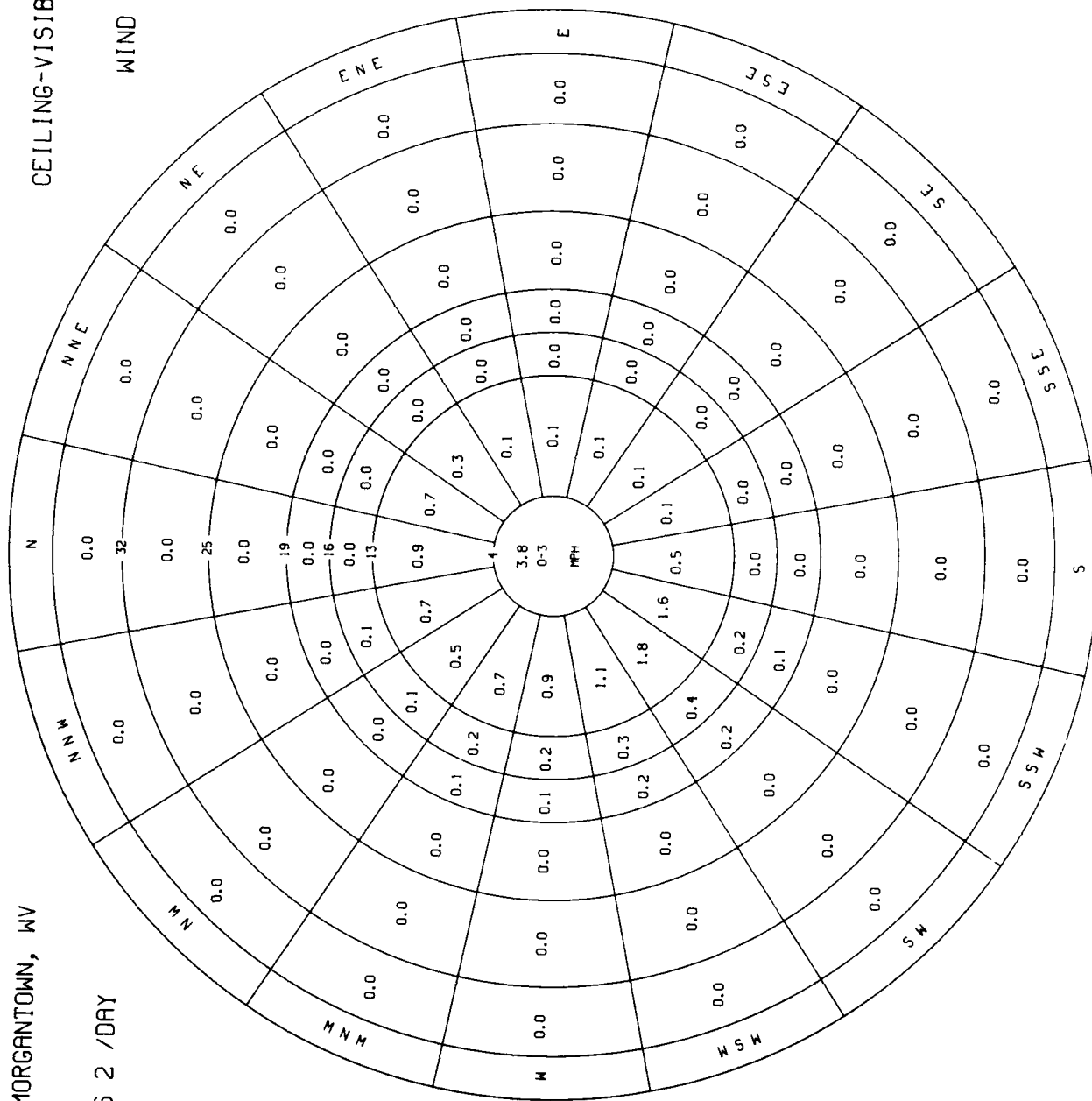
NO. OBS.: 11619

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	1.9	2.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5 3.0 6.5
NNE	.4	.5	1.8	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2 2.6 6.1
NE	1.0	1.2	2.0	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.1 3.6 5.6
ENE	.3	.4	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.7 6.0
E	.7	.8	1.2	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1 2.5 6.5
ESE	.2	.2	1.2	1.5	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.8 2.1 9.1
SE	.6	.7	2.1	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.1 3.6 7.3
SSE	.6	.7	2.4	2.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.3 3.9 7.1
S	1.7	2.0	6.6	7.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	8.8 10.3 6.7
SSW	2.0	2.4	9.6	11.3	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	12.7 15.0 7.5
SW	2.5	2.9	7.9	9.3	1.2	1.4	.5	.5	.1	.1	.0	.1	.0	.0	12.1 14.2 7.7
WSW	.2	.3	2.9	3.4	.8	1.0	.2	.3	.1	.1	.0	.0	.0	.0	4.3 5.1 10.1
W	.5	.6	2.7	3.2	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	4.3 5.0 9.7
WNW	.2	.2	1.5	1.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	2.2 2.6 9.7
NW	.3	.3	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.8 2.1 8.2
NNW	.2	.2	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4 1.6 8.0
CALM	17.9	21.1													17.9 21.1
TOTAL	29.6	34.8	47.4	55.8	5.4	6.4	1.9	2.2	.5	.6	.1	.2	.0	.0	84.9 100 6.0

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 2 / DAY

NO. OBS.: 2562

STATION NUMBER: 13736

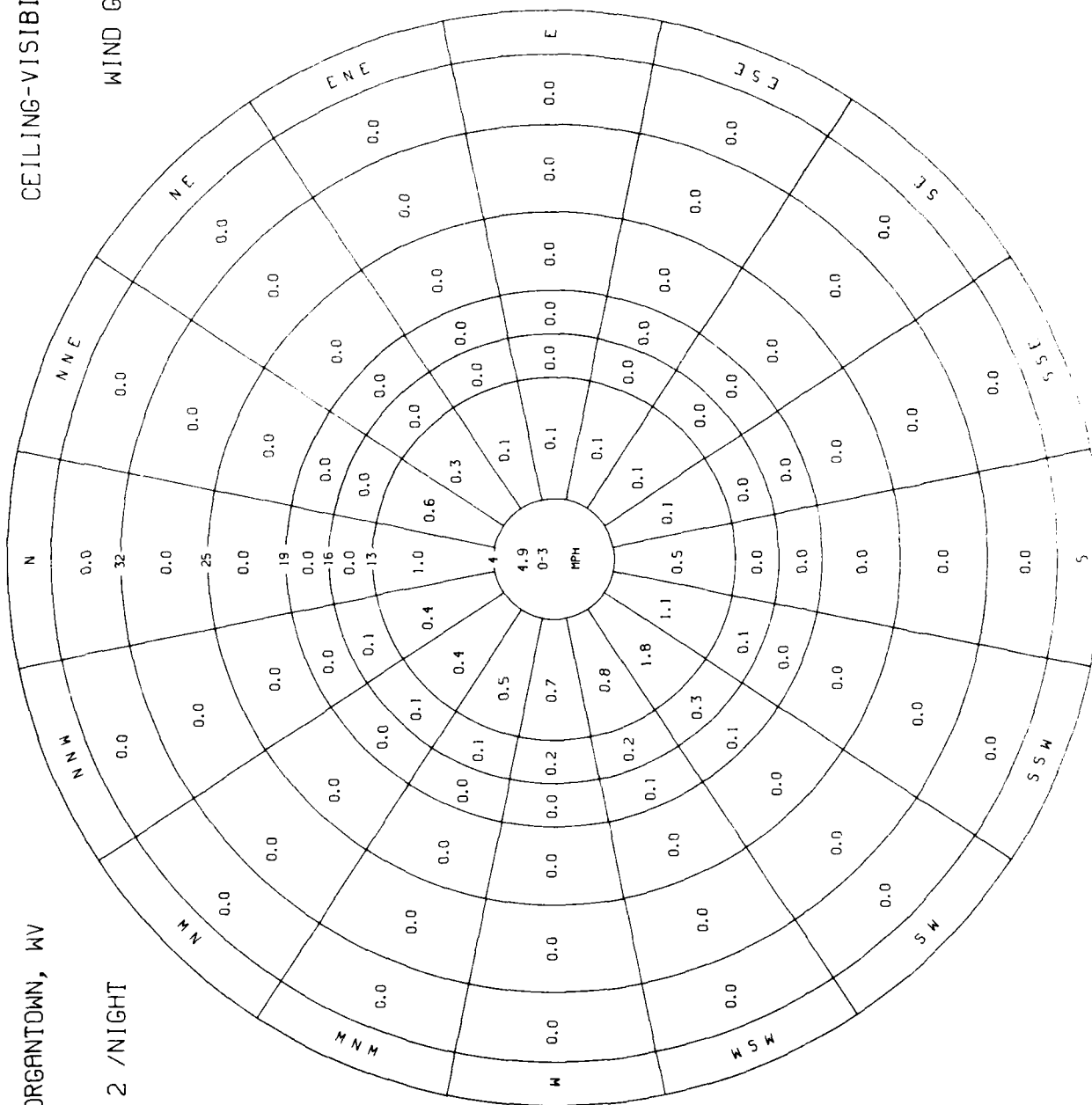
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
															C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.9	.9	5.7	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	1.2	7.1	7.3
NNE	.1	.7	.7	4.5	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.9	5.5	7.0
NE	.1	.8	.3	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	2.8	6.1
ENE	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.9	6.8
E	.0	.2	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.7	9.1
ESE	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	8.1
SE	.0	.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	7.4
SSE	.0	.2	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	6.7
S	.1	.5	.5	3.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.7	7.1
SSW	.2	1.1	1.6	9.7	.2	1.1	.1	.4	.0	.1	.0	.0	.0	.0	2.1	12.4	8.5
SW	.3	2.1	1.8	11.1	.4	2.1	.2	1.1	.0	.2	.0	.1	.0	.0	2.8	16.8	9.1
WSW	.1	.5	1.1	6.6	.3	1.8	.2	1.0	.0	.2	.0	.0	.0	.0	1.7	10.0	10.4
W	.1	.9	.9	5.7	.2	1.3	.1	.4	.0	.1	.0	.0	.0	.0	1.4	8.4	9.5
WNW	.1	.5	.7	4.1	.2	.9	.1	.3	.0	.1	.0	.0	.0	.0	1.0	6.1	9.8
NW	.1	.7	.5	3.3	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.8	4.6	8.2
NNW	.1	.4	.7	4.4	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.4	7.9
CALM	2.2	13.1													2.2	13.1	
TOTAL	3.8	23.0	10.4	62.9	1.5	9.1	.7	4.0	.1	.7	.0	.2	.0	.0	16.5	100	7.5

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 2 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 2 / NIGHT

NO. OBS.: 2065

STATION NUMBER: 13736

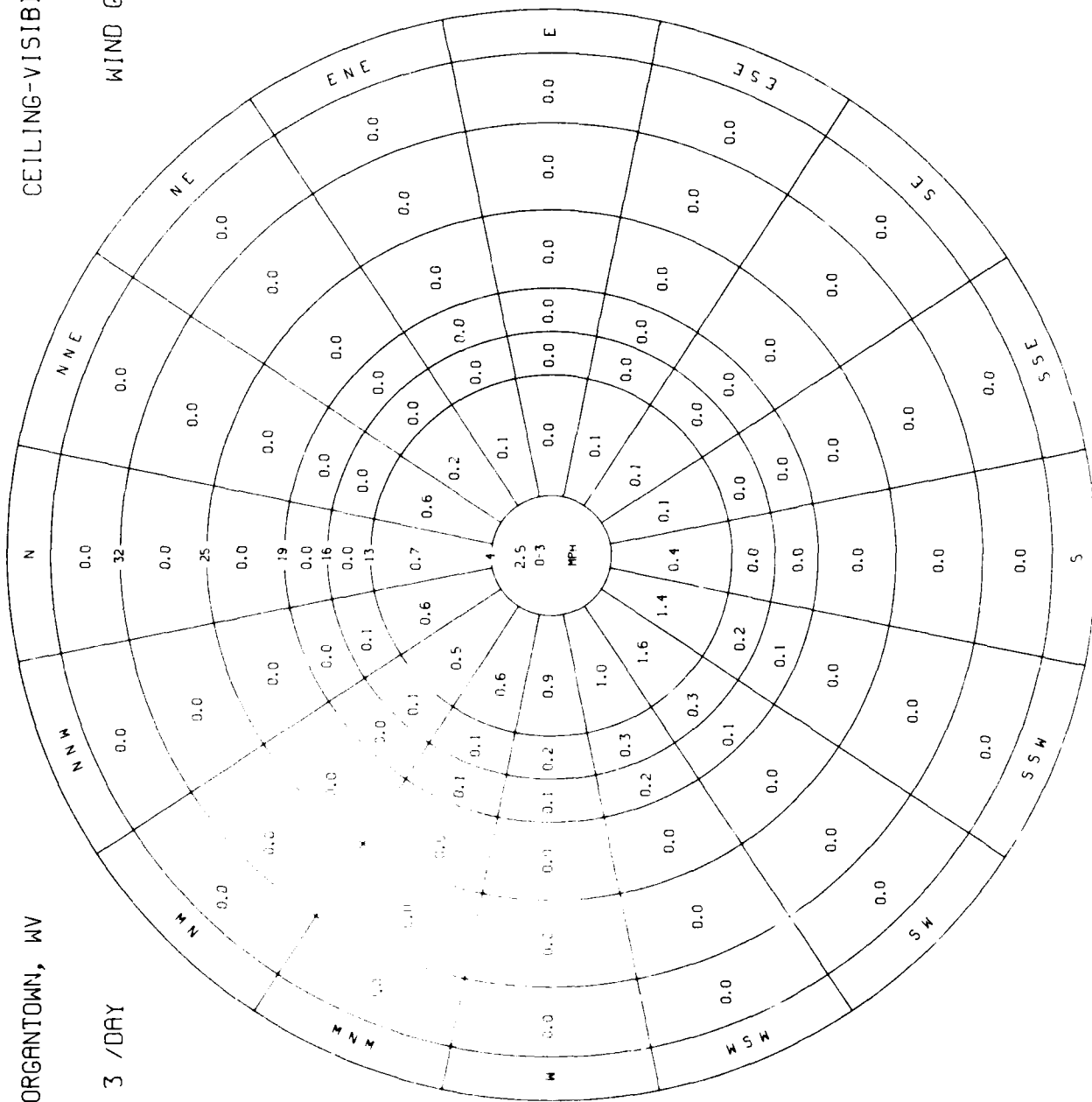
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED					
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL				
																A	B	C	D	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B						C
N	.2	1.0	1.0	6.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.1	7.1
NNE	.1	.5	.6	4.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.9	7.5
NE	.3	1.9	.3	2.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.2	5.6
ENE	.0	.2	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.9
E	.0	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	7.7
ESE	.0	.0	.1	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	10.4
SE	.0	.3	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	6.3
SSE	.0	.1	.1	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	1.1	7.9
S	.2	1.3	.5	3.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.6	6.0
SSW	.2	1.6	1.1	7.6	.1	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	9.8	7.2
SW	.3	2.1	1.8	11.7	.3	1.1	.1	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.5	16.6	8.4
WSW	.1	.5	.8	5.1	.2	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.1	7.5	10.0
W	.1	.7	.7	4.4	.2	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.4	9.3
WNW	.0	.2	.5	3.4	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	4.4	9.8
NW	.1	.9	.4	2.9	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.8	8.6
NNW	.0	.2	.4	2.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.6	8.7
CALM	3.1	20.7																3.1	20.7	
TOTAL	4.9	32.3	8.6	56.9	1.1	7.0	.4	2.8	.1	.9	.0	.1	.0	.0	.0	.0	.0	15.1	100	6.4

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 3 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 3 / DAY

STATION NUMBER: 13736

NO. OBS.: 2082

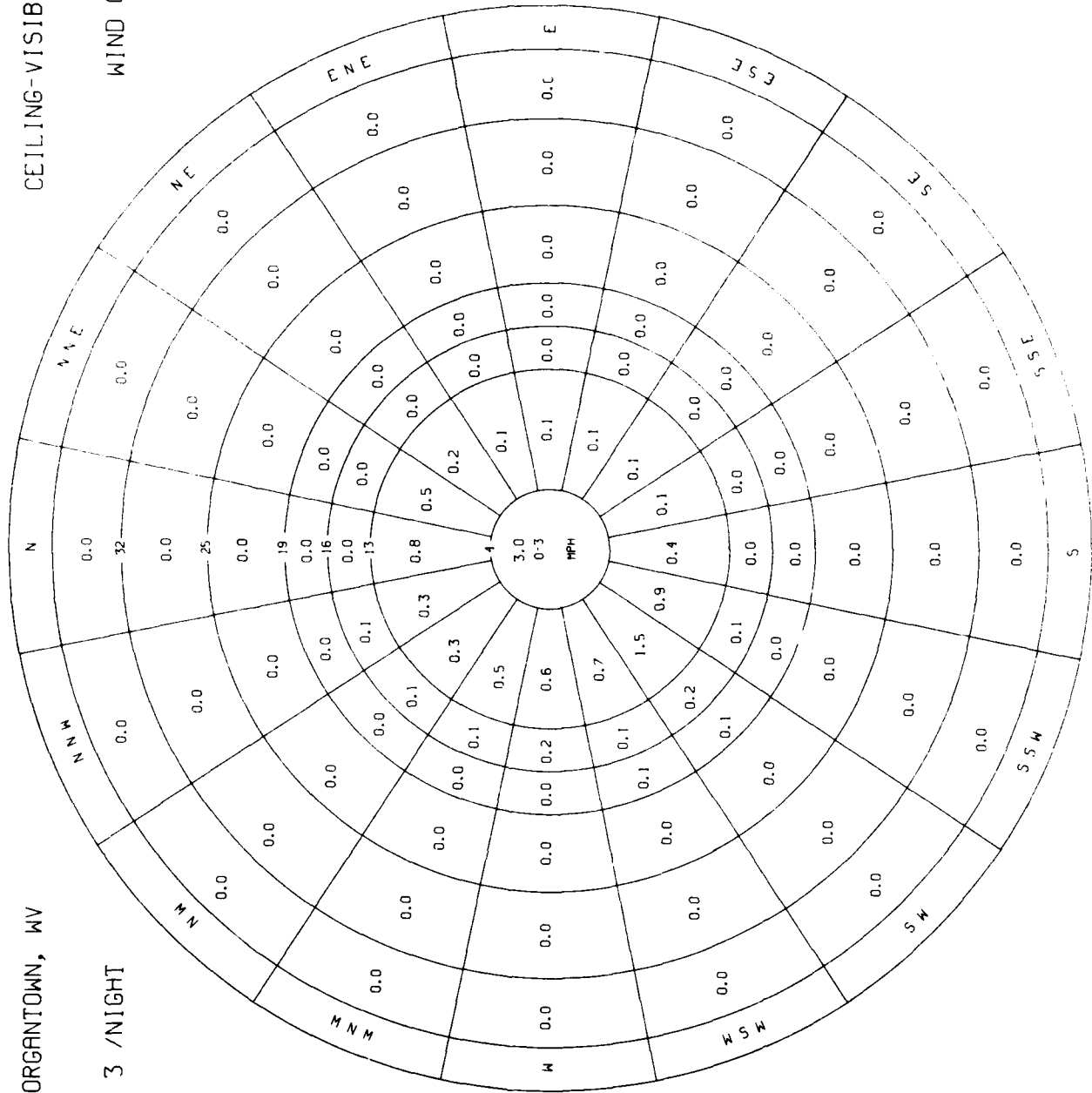
D I R	SPEED GROUPS (MPH)																					AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL							
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D						
N	.1	.7	.7	5.2	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.9	6.4	7.6				
NNE	.1	.6	.6	4.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.7	5.2	7.0				
N E	.1	.9	.2	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.8	6.0				
ENE	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	7.3				
E	.0	.1	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.7	9.5				
ESE	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	8.1				
SE	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.6				
SSE	.0	.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	6.1				
S	.0	.3	.4	3.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.6	7.7				
SSW	.1	1.0	1.4	10.4	.2	1.2	.1	.4	.0	.0	.0	.0	.0	.0	.0	1.7	13.0	8.8				
SW	.3	1.9	1.6	11.6	.3	2.3	.1	1.1	.0	.3	.0	.1	.0	.0	.0	2.3	17.3	9.3				
WSW	.1	.4	1.0	7.4	.3	2.1	.2	1.2	.0	.1	.0	.0	.0	.0	.0	1.5	11.2	10.6				
W	.1	1.0	.9	6.6	.2	1.5	.1	.4	.0	.1	.0	.0	.0	.0	.0	1.3	9.6	9.5				
WNW	.1	.5	.6	4.6	.1	1.0	.1	.4	.0	.1	.0	.0	.0	.0	.0	.9	6.6	9.6				
NW	.1	.7	.5	3.4	.1	.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.6	4.8	8.7				
NNW	.1	.4	.6	4.6	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.6	7.9				
CALM	1.3	9.6														1.3	9.6					
TOTAL	2.5	18.6	8.8	65.9	1.4	10.1	.6	4.4	.1	.8	.0	.2	.0	.0	.0	13.4	100	8.0				

MGW MORGANTOWN, WV

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 3 / NIGHT

NO. OBS.: 1576

STATION NUMBER: 13736

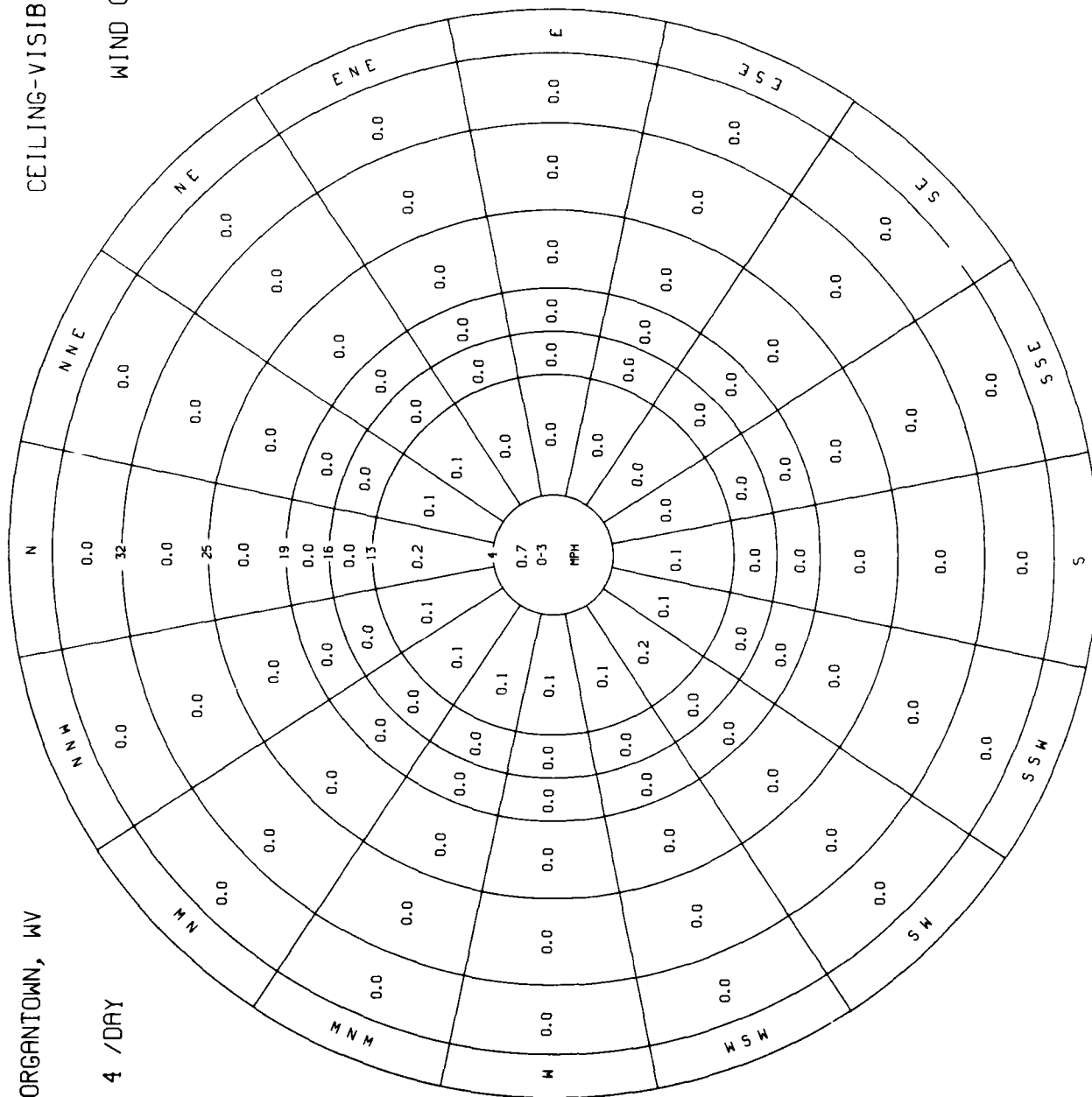
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.1	.9	.6	6.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5 7.9
NNE	.1	.4	.5	4.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.6 5.1
NE	.2	1.5	.2	1.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.4 3.5
ENE	.0	.1	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1 .8
E	.0	.0	.1	.8	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1 .9
ESE	.0	.1	.1	.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1 .8
SE	.0	.3	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1 1.1
SSE	.0	.1	.1	1.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1 1.3
S	.2	1.4	.4	3.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.4 6.3
SSW	.2	1.5	.9	7.9	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	1.2 10.1
SW	.2	1.9	1.5	13.2	.2	2.2	.1	1.1	.0	.2	.0	.0	.0	.1	2.1 18.6
WSW	.1	.6	.7	5.6	.1	1.2	.1	.7	.0	.3	.0	.0	.0	.0	1.0 8.5
W	.1	.7	.6	5.0	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.8 7.3
WNW	.0	.2	.5	3.9	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.6 5.2
NW	.1	.9	.3	2.9	.1	1.1	.0	.2	.0	.1	.0	.0	.0	.0	.6 5.1
NNW	.0	.3	.3	2.9	.1	.5	.0	.1	.0	.1	.0	.0	.0	.0	.4 3.8
CALM	1.8	15.4													1.8 15.4
TOTAL	3.0	26.1	7.0	60.7	1.0	8.5	.4	3.4	.1	1.1	.0	.0	.0	.0	11.5 100

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 4 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1950-1978

STATION NAME: MGW MORGANTOWN, WV

CLASS 4 / DAY

NO. OBS.: 325

STATION NUMBER: 13736

D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.8	.2	9.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.4	6.7
NNE	.0	.9	.1	5.2	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1	7.1	7.4
NE	.0	.6	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	6.5
ENE	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.5
E	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	4.7
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.5	.1	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	5.2
SSW	.0	1.2	.1	7.1	.0	.6	.0	.3	.0	.3	.0	.0	.0	.0	.2	9.5	7.9
SW	.1	2.8	.2	10.5	.0	2.2	.0	1.5	.0	.0	.0	.0	.0	.0	.4	16.9	8.7
WSW	.0	.9	.1	4.0	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.1	5.8	8.7
W	.0	.6	.1	2.8	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.1	4.6	9.6
WNW	.0	.3	.1	3.1	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	9.1
NW	.0	.9	.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	6.2
NNW	.0	.3	.1	4.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.8	8.4
CALM	.4	19.7															
TOTAL	.7	32.6	1.2	57.5	.1	6.5	.1	2.8	.0	.6	.0	.0	.0	.0	2.1	100	6.2

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 4 / NIGHT

STATION NUMBER: 13736

NO. OBS.: 285

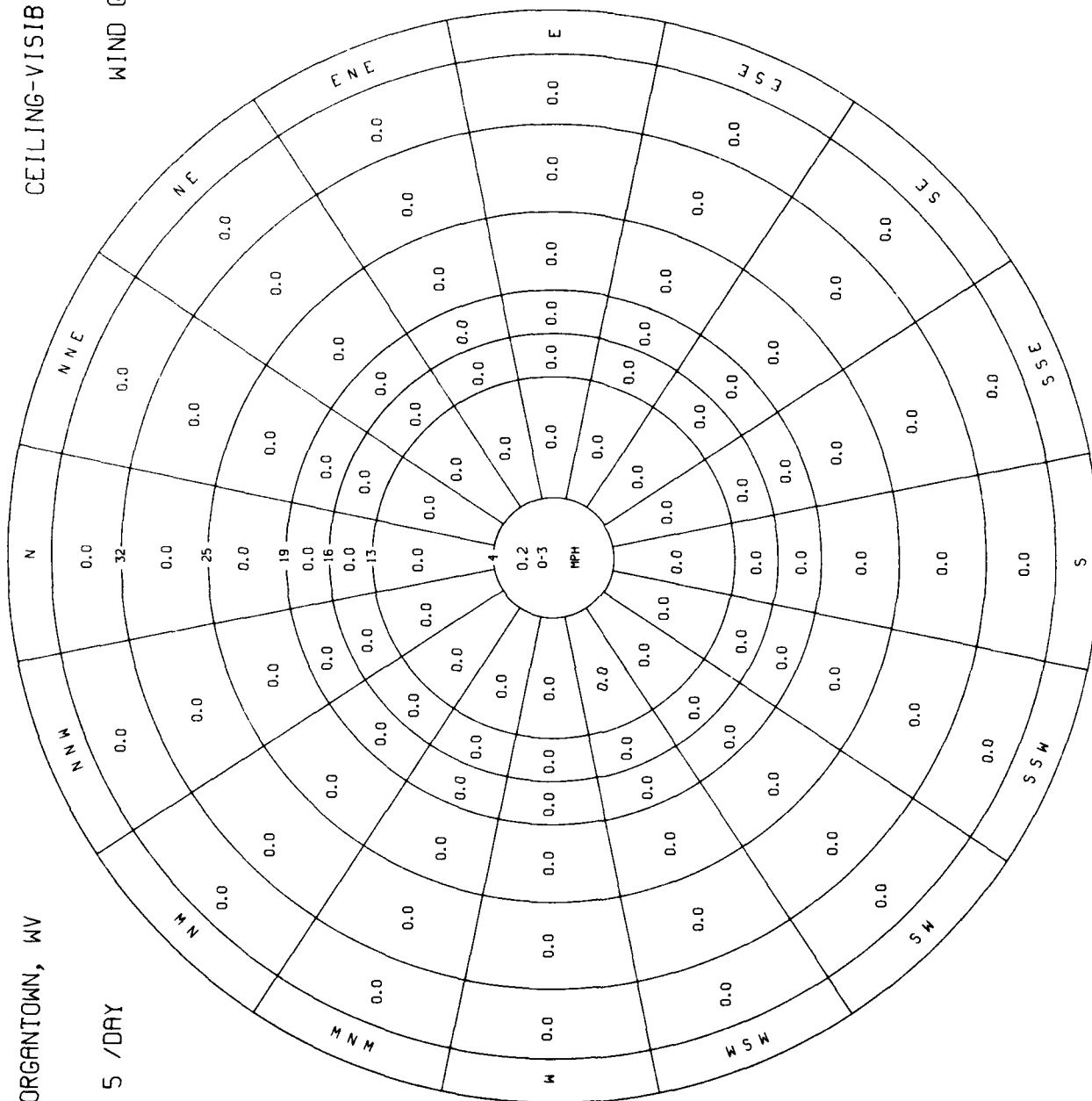
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED			
	0-3		4-12		13-15		16-18		19-24		25-31		32+			TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D
N	.0	1.4	.2	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.5	6.4
NNE	.0	.7	.1	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.9	7.2
NE	.0	1.8	.1	3.5	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.1	6.0	7.2
ENE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.2
E	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.5
ESE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	7.0
SE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	10.0
SSE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.0
S	.0	.7	.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.2	4.8
SSW	.0	2.1	.2	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.8	6.0
SW	.1	2.8	.2	9.1	.0	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.3	13.0	6.9
WSW	.0	.0	.1	3.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	8.9
W	.0	.7	.1	3.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	7.5
WNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	9.7
NW	.0	.7	.1	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.1	3.9	7.9
NNW	.0	.0	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	7.6
CALM	.6	29.5														.6	29.5	
TOTAL	.8	40.7	1.1	54.7	.1	3.2	.0	.7	.0	.4	.0	.4	.0	.0	.0	2.1	100	5.0

MGW MORGANTOWN, WV

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 5 / DAY

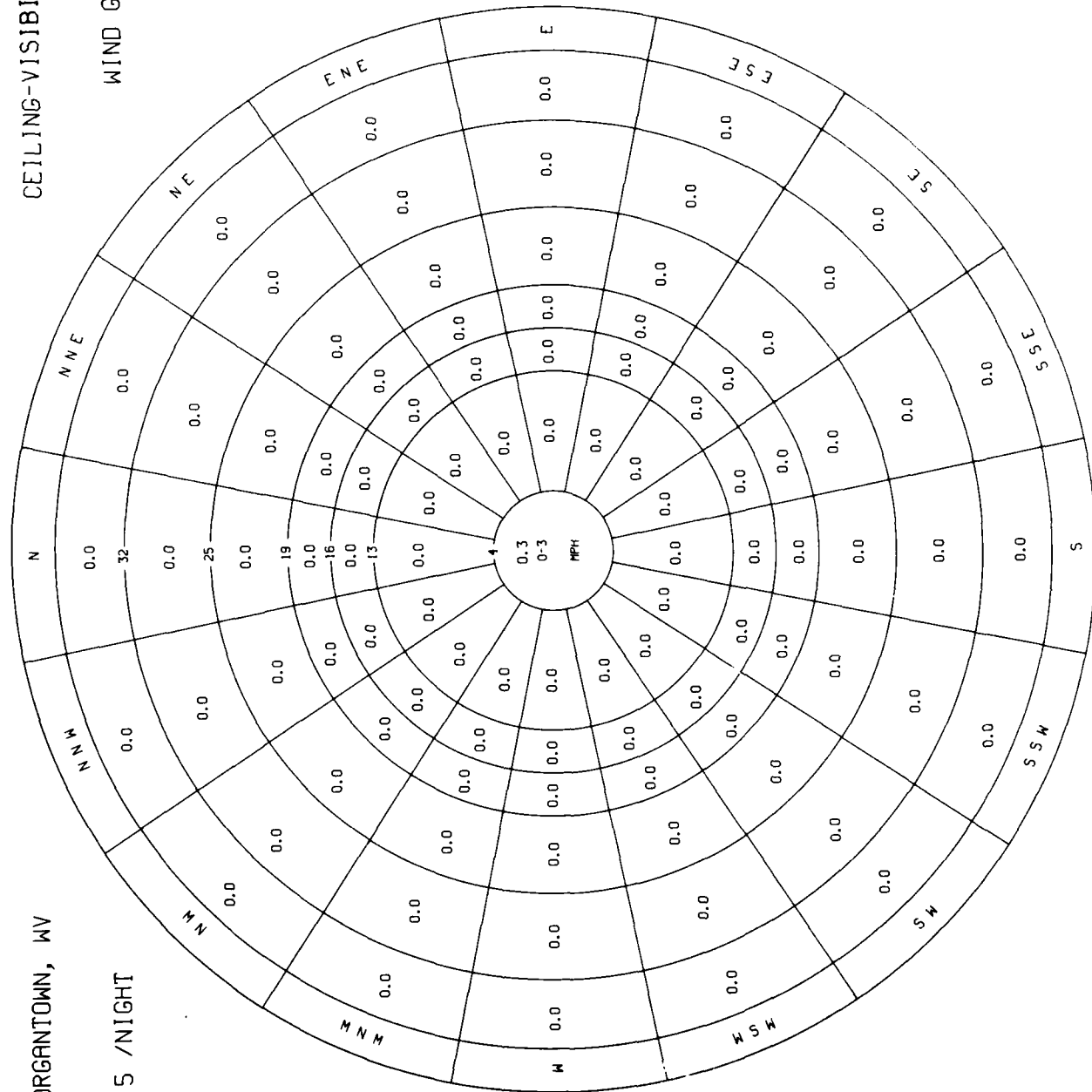
STATION NUMBER: 13736

NO. OBS.: 59

D I R	SPEED GROUPS (MPH)															AVG WIND SPEED	
	0-3		4-12		13-15		16-18		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	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	5.7
NNE	.0	3.4	.0	8.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	5.0
NE	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.0
ENE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.0
E	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7	17.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	1.7	26.0
S	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	3.0
SSW	.0	3.4	.0	6.8	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.1	13.6	7.7
SW	.0	.0	.0	10.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.2	6.7
WSW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.5
W	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.0
WNW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	3.4	15.0
NW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	30.5													.1	30.5	
TOTAL	.2	45.8	.2	45.8	.0	1.7	.0	3.4	.0	1.7	.0	1.7	.0	.0	.4	100	5.1

MGW MORGANTOWN, WV

CLASS 5 /NIGHT



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 5 / NIGHT

STATION NUMBER: 13736

NO. OBS.: 68

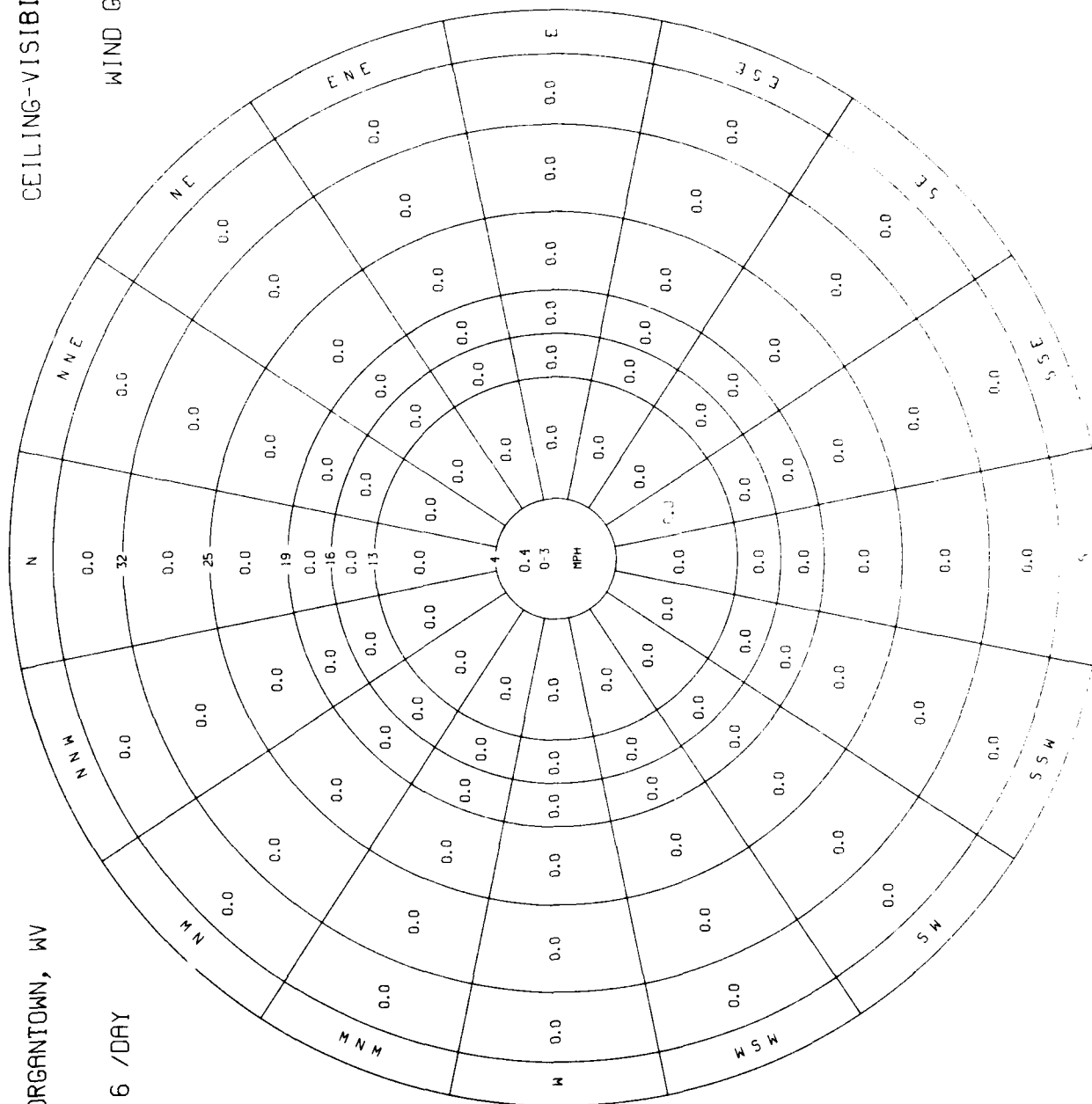
D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
N	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
NNE	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
NE	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.5	.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8
SSW	.0	2.9	.0	5.9	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	10.3
SW	.0	2.9	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4
WSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5
W	.0	1.5	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	2.9
WNW	.0	1.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4
NW	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	44.1													44.1
TOTAL	.3	60.3	.2	36.8	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.5	100
															3.3

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 6 /DAY



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 6 / DAY

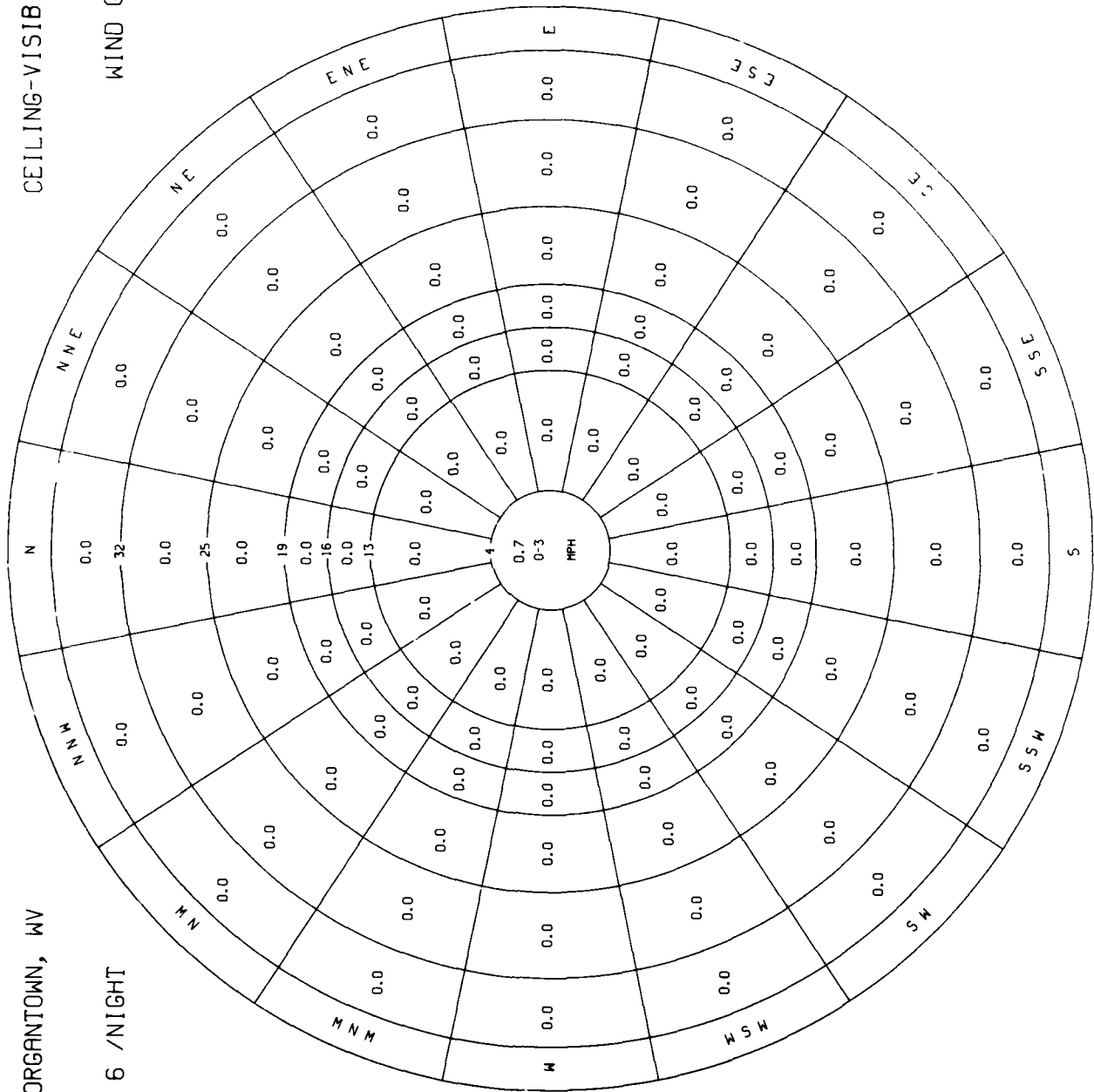
STATION NUMBER: 13736

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	
N	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2
NNE	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2
NE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
ENE	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
S	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
SSW	.0	3.1	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3
SW	.0	5.2	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
NW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
NNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1
CALM	.3	56.3													56.3
TOTAL	.4	71.9	.2	26.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	78.9

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MGW MORGANTOWN, WV

PERIOD: 1950-1978

CLASS 6 / NIGHT

STATION NUMBER: 13736

NO. OBS.: 136

D I R	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		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	2.2	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 6.6
NNE	.0	.7	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NE	.1	5.1	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 8.1
ENE	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
E	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
ESE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SE	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
SSE	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .7
S	.0	1.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 4.4
SSW	.0	1.5	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.9
SW	.0	2.2	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1 5.1
WSW	.0	.7	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 3.7
W	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0 1.5
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
NW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.9
NNW	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 2.2
CALM	.5	52.2													.5 52.2
TOTAL	.7	71.3	.3	27.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.0 100

CEILING-VISIBILITY

WIND GRAPH

MGW MORGANTOWN, WV

CLASS 7

