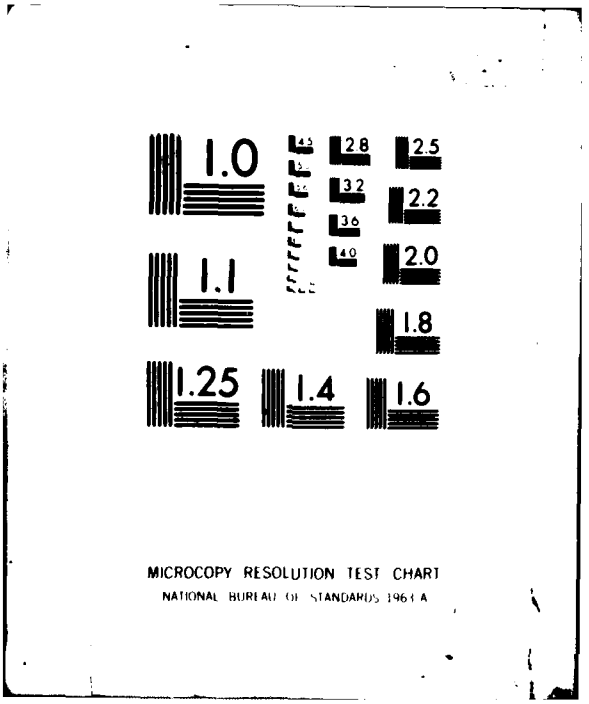
AD-A108 165 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL




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NATIONAL BUREAU OF STANDARDS 1961 A

610

AD A108165



Technical Report Documentation Page

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4. Title and Subtitle: Wind-Ceiling-Visibility Data at Selected Airports - Volumn VI B - Southwest Region		5. Report Date: June 1981
		6. Performing Organization Code
7. Author(s)		8. Performing Organization Report No.
9. Performing Organization Name and Address: National Climatic Center, Federal Building, Asheville, North Carolina 28801		10. Work Unit No. (TRAIS)
		11. Contract or Grant No. DOT-FA79WAI-057
12. Sponsoring Agency Name and Address: DOT/Federal Aviation Administration, Office of Aviation Policy and Plans, 800 Independence Avenue, S.W., Washington, D.C. 20591		13. Type of Report and Period Covered: Final Report
		14. Sponsoring Agency Code

15. Supplementary Notes

16. Abstract

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

17. Key Words: Ceiling, visibility, climatology	18. Distribution Statement: Document is available to the public through the National Technical Information Service, Springfield, Va. 22151		
19. Security Classif. (of this report): Unclassified	20. Security Classif. (of this page): Unclassified	21. No. of Pages: 520	22. Price

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Interagency Agreement DOT-FA79WAI-057

WIND-CEILING-VISIBILITY DATA AT SELECTED AIRPORTS

April 1981

DTIC ELECTE DEC 7 1981 D H

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

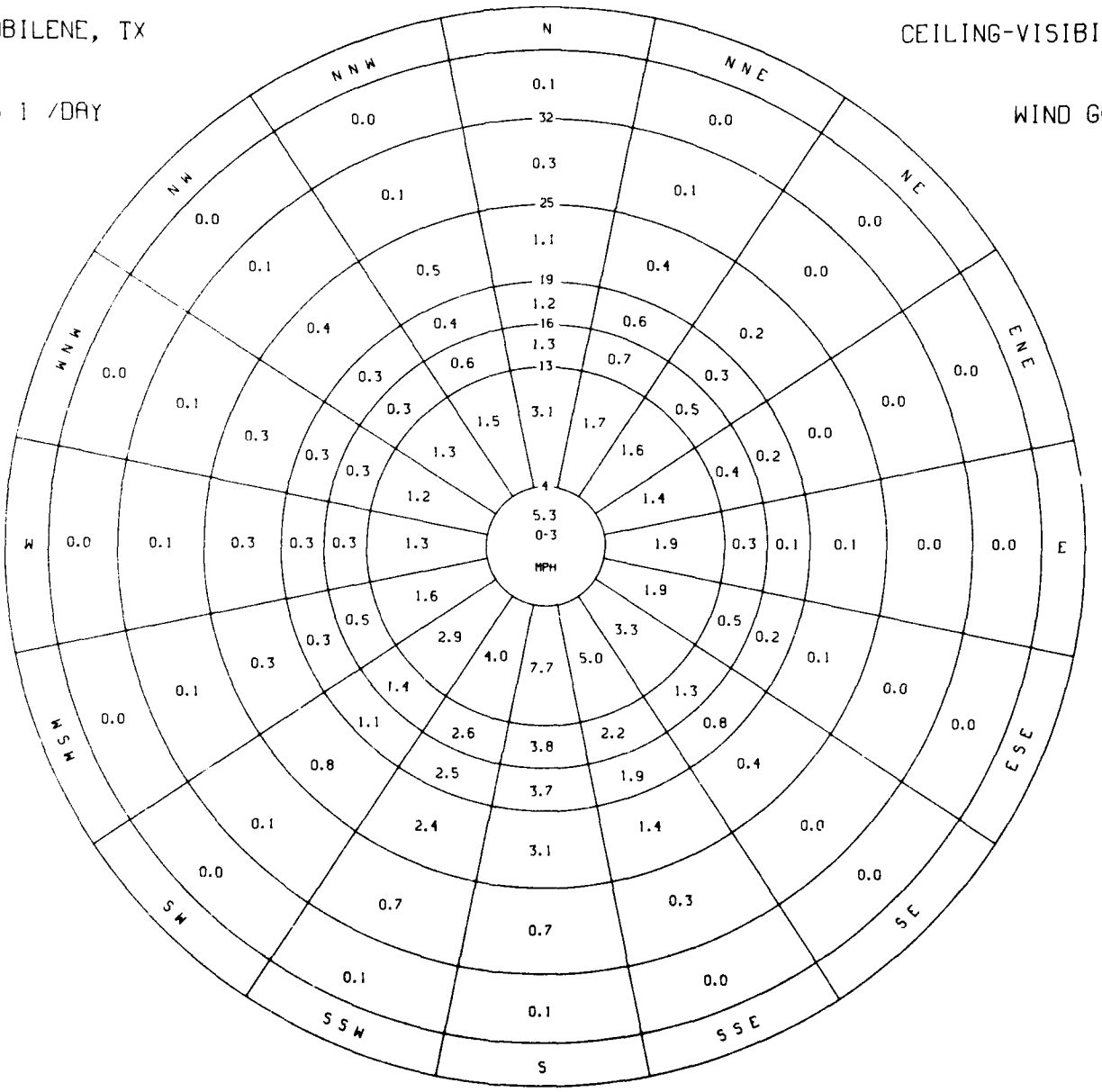
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ABI ABILENE, TX

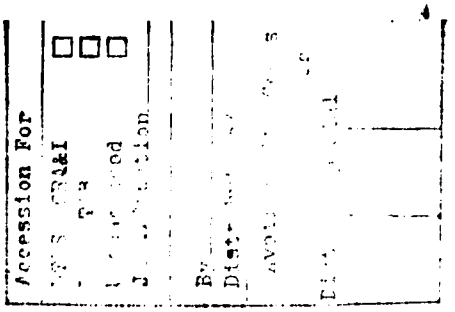
CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 13962

NO. OBS.: 45658

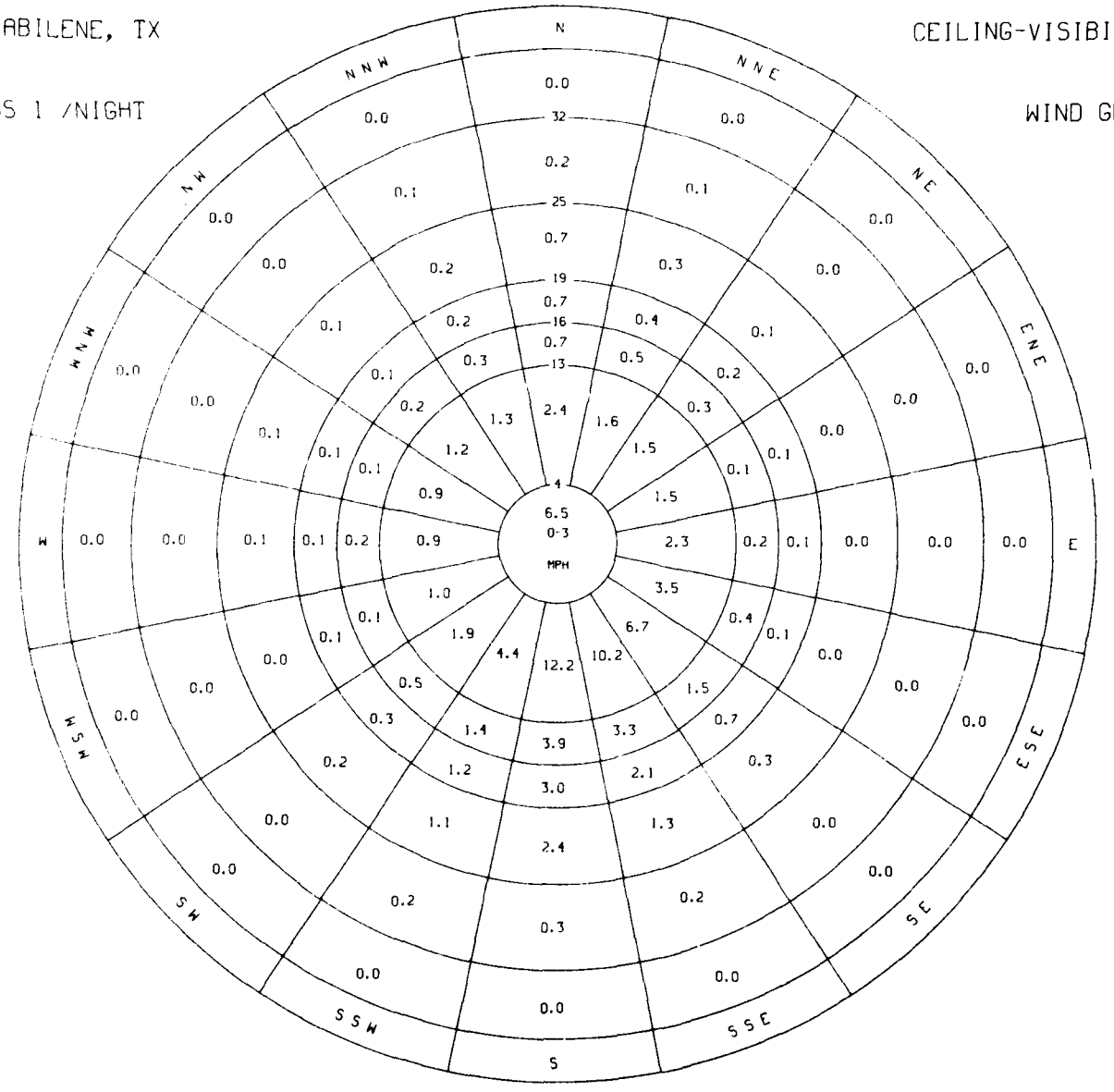
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	3.1	3.3	1.3	1.4	1.2	1.3	1.1	1.2	.3	.3	.1	.1	7.2	7.7	13.7
NNE	.1	.1	1.7	1.8	.7	.8	.6	.7	.4	.5	.1	.1	.0	.0	3.7	4.0	13.0
NE	.1	.2	1.6	1.8	.5	.5	.3	.3	.2	.2	.0	.0	.0	.0	2.7	2.9	10.8
ENE	.1	.1	1.4	1.5	.4	.4	.2	.2	.0	.0	.0	.0	.0	.0	2.1	2.3	10.1
E	.2	.2	1.9	2.0	.3	.4	.1	.2	.1	.1	.0	.0	.0	.0	2.6	2.8	9.5
ESE	.1	.1	1.9	2.0	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	2.8	3.1	10.3
SE	.2	.2	3.3	3.6	1.3	1.4	.8	.8	.4	.4	.0	.0	.0	.0	6.0	6.5	11.7
SSE	.2	.3	5.0	5.4	2.2	2.3	1.9	2.1	1.4	1.5	.3	.3	.0	.0	11.0	11.8	13.2
S	.3	.3	7.7	8.3	3.8	4.1	3.7	4.0	3.1	3.4	.7	.7	.1	.1	19.4	20.9	14.1
SSW	.2	.2	4.0	4.3	2.6	2.8	2.5	2.7	2.4	2.6	.7	.7	.1	.1	12.5	13.5	15.1
SW	.2	.3	2.9	3.2	1.4	1.5	1.1	1.2	.8	.8	.1	.1	.0	.0	6.5	7.0	12.9
WSW	.2	.2	1.6	1.7	.5	.6	.3	.4	.3	.3	.1	.1	.0	.0	3.0	3.3	12.0
W	.2	.3	1.3	1.4	.3	.4	.3	.3	.3	.4	.1	.1	.0	.0	2.7	2.9	12.1
WNW	.2	.2	1.2	1.3	.3	.3	.3	.3	.3	.3	.1	.1	.0	.0	2.3	2.5	11.9
NW	.2	.2	1.3	1.4	.3	.4	.3	.3	.4	.4	.1	.1	.0	.0	2.6	2.8	12.5
NNW	.1	.2	1.5	1.7	.6	.6	.4	.4	.5	.5	.1	.1	.0	.0	3.3	3.6	13.1
CALM	2.3	2.5													2.3	2.5	
TOTAL	5.3	5.7	41.4	44.8	17.0	18.3	14.2	15.3	11.7	12.6	2.7	2.9	.3	.4	92.6	100	12.8

ABI ABILENE, TX

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 13962

NO. OBS.: 35228

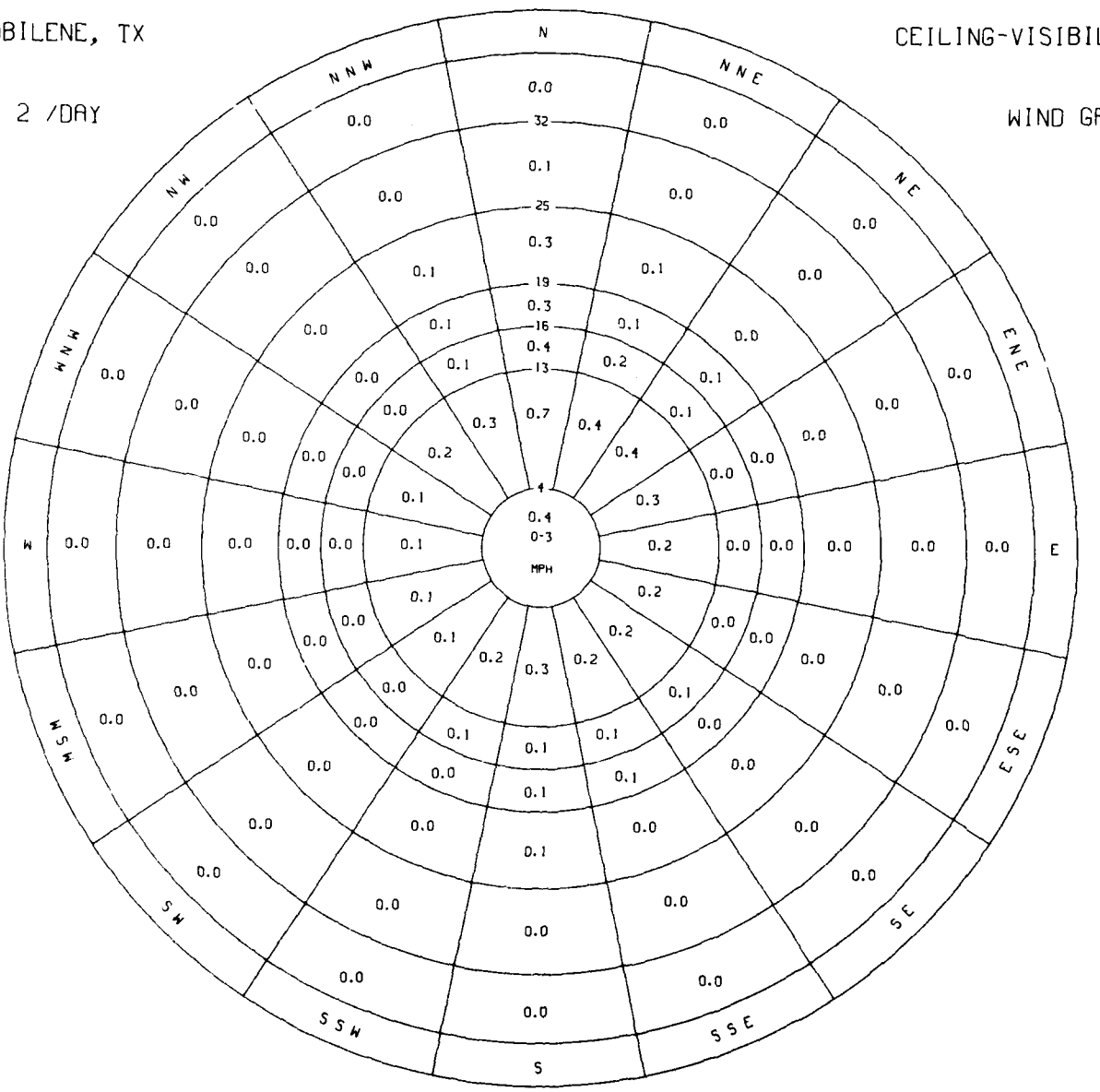
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.3	2.4	2.6	.7	.8	.7	.7	.7	.8	.2	.2	.0	.0	4.9	5.4	12.6
NNE	.1	.2	1.6	1.8	.5	.5	.4	.4	.3	.3	.1	.1	.0	.0	3.0	3.2	11.7
NE	.2	.3	1.5	1.7	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.3	2.5	9.2
ENE	.1	.2	1.5	1.7	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.9	2.0	8.3
E	.2	.2	2.3	2.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.1	8.5
ESE	.1	.1	3.5	3.8	.4	.5	.1	.1	.0	.1	.0	.0	.0	.0	4.2	4.6	9.1
SE	.2	.2	6.7	7.3	1.5	1.7	.7	.7	.3	.3	.0	.0	.0	.0	9.4	10.2	10.5
SSE	.3	.4	10.2	11.1	3.3	3.6	2.1	2.3	1.3	1.4	.2	.3	.0	.0	17.5	19.1	12.0
S	.5	.6	12.2	13.2	3.9	4.2	3.0	3.3	2.4	2.6	.3	.4	.0	.0	22.3	24.3	12.3
SSW	.3	.3	4.4	4.8	1.4	1.6	1.2	1.4	1.1	1.2	.2	.3	.0	.0	8.7	9.5	12.7
SW	.2	.3	1.9	2.1	.5	.5	.3	.3	.2	.3	.0	.1	.0	.0	3.2	3.5	10.6
WSW	.2	.2	1.0	1.1	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.4	1.5	8.4
W	.2	.2	.9	1.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.5	1.6	9.7
WNW	.1	.1	.9	1.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.4	1.5	10.2
NW	.1	.2	1.2	1.3	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	1.9	2.0	10.2
NNW	.1	.1	1.3	1.4	.3	.3	.2	.3	.2	.2	.1	.1	.0	.0	2.2	2.4	11.6
CALM	3.2	3.4													3.2	3.4	
TOTAL	6.5	7.1	53.6	58.3	13.8	15.1	9.6	10.4	7.0	7.6	1.3	1.4	.1	.1	91.9	100	11.0

ABI ABILENE, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 13962

NO. OBS.: 3655

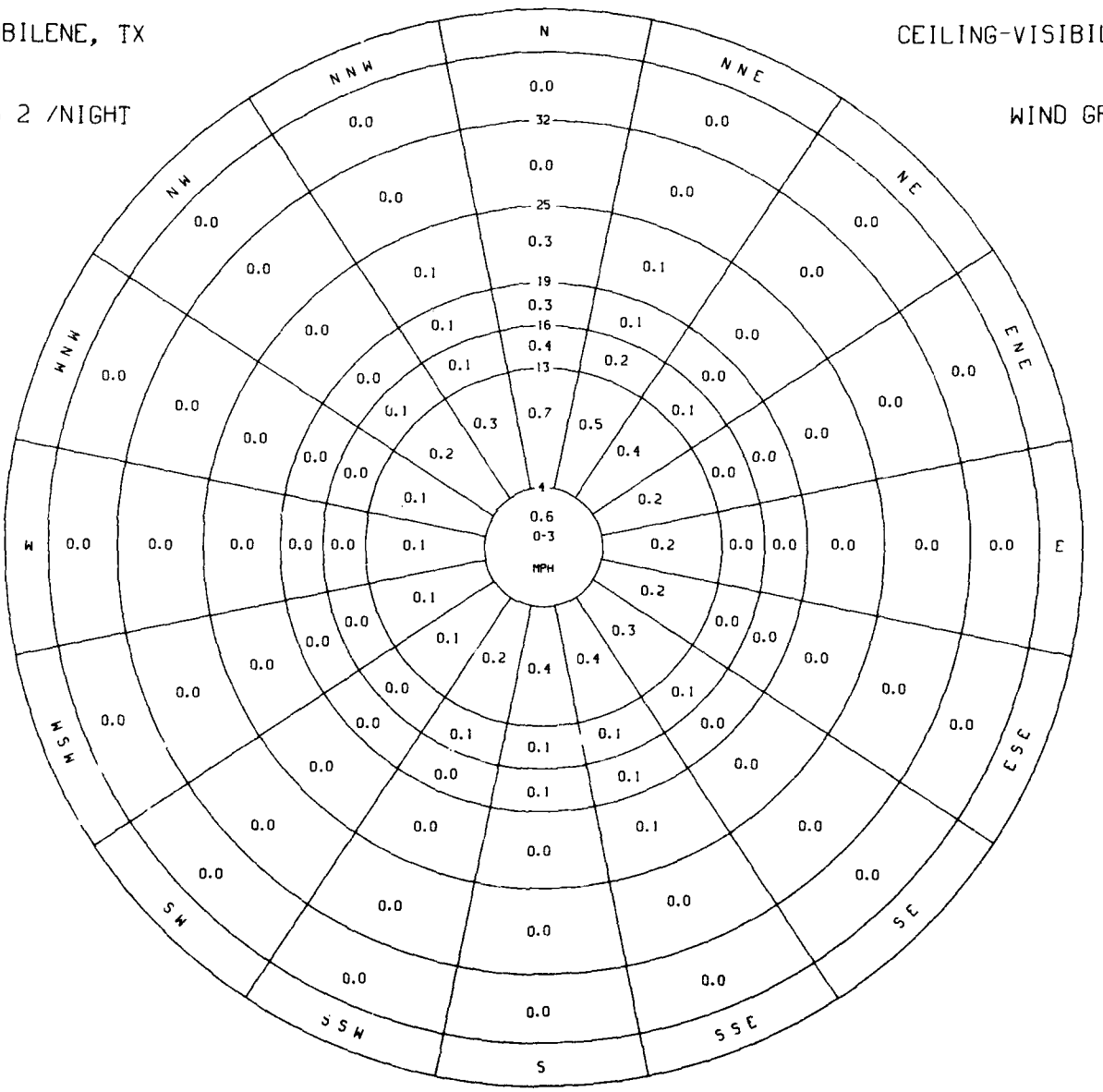
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.7	9.3	.4	4.7	.3	4.5	.3	3.6	.1	.8	.0	.1	1.7	23.4	14.2
NNE	.0	.1	.4	6.0	.2	2.2	.1	1.8	.1	.9	.0	.1	.0	.0	.8	11.1	12.6
NE	.0	.4	.4	5.3	.1	1.3	.1	.7	.0	.3	.0	.0	.0	.0	.6	8.0	10.4
ENE	.0	.2	.3	3.4	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.3	4.2	9.6
E	.0	.2	.2	2.5	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.3	3.6	9.8
ESE	.0	.2	.2	2.5	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.4	9.6
SE	.0	.2	.2	2.9	.1	1.1	.0	.5	.0	.4	.0	.1	.0	.0	.4	5.3	11.8
SSE	.0	.1	.2	3.3	.1	1.4	.1	.9	.0	.7	.0	.1	.0	.0	.5	6.5	12.7
S	.0	.2	.3	3.4	.1	1.7	.1	1.3	.1	1.0	.0	.0	.0	.0	.6	7.6	12.9
SSW	.0	.1	.2	2.2	.1	.8	.0	.6	.0	.4	.0	.0	.0	.0	.3	4.0	12.5
SW	.0	.2	.1	1.3	.0	.5	.0	.3	.0	.1	.0	.1	.0	.0	.2	2.4	11.4
WSW	.0	.1	.1	1.0	.0	.1	.0	.1	.0	.1	.0	.1	.0	.1	.1	1.5	11.3
W	.0	.1	.1	.9	.0	.2	.0	.1	.0	.3	.0	.5	.0	.1	.2	2.2	16.7
WNW	.0	.1	.1	1.0	.0	.2	.0	.1	.0	.4	.0	.3	.0	.1	.2	2.2	14.8
NW	.0	.2	.2	2.2	.0	.6	.0	.2	.0	.4	.0	.2	.0	.1	.3	3.9	12.1
NNW	.0	.1	.3	3.4	.1	2.0	.1	1.3	.1	1.1	.0	.3	.0	.1	.6	8.3	13.6
CALM	.2	2.4													.2	2.4	
TOTAL	.4	5.1	3.8	50.6	1.4	18.4	1.0	12.9	.7	9.7	.2	2.7	.0	.6	7.4	100	12.3

ABI ABILENE, TX

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 13962

NO. OBS.: 3107

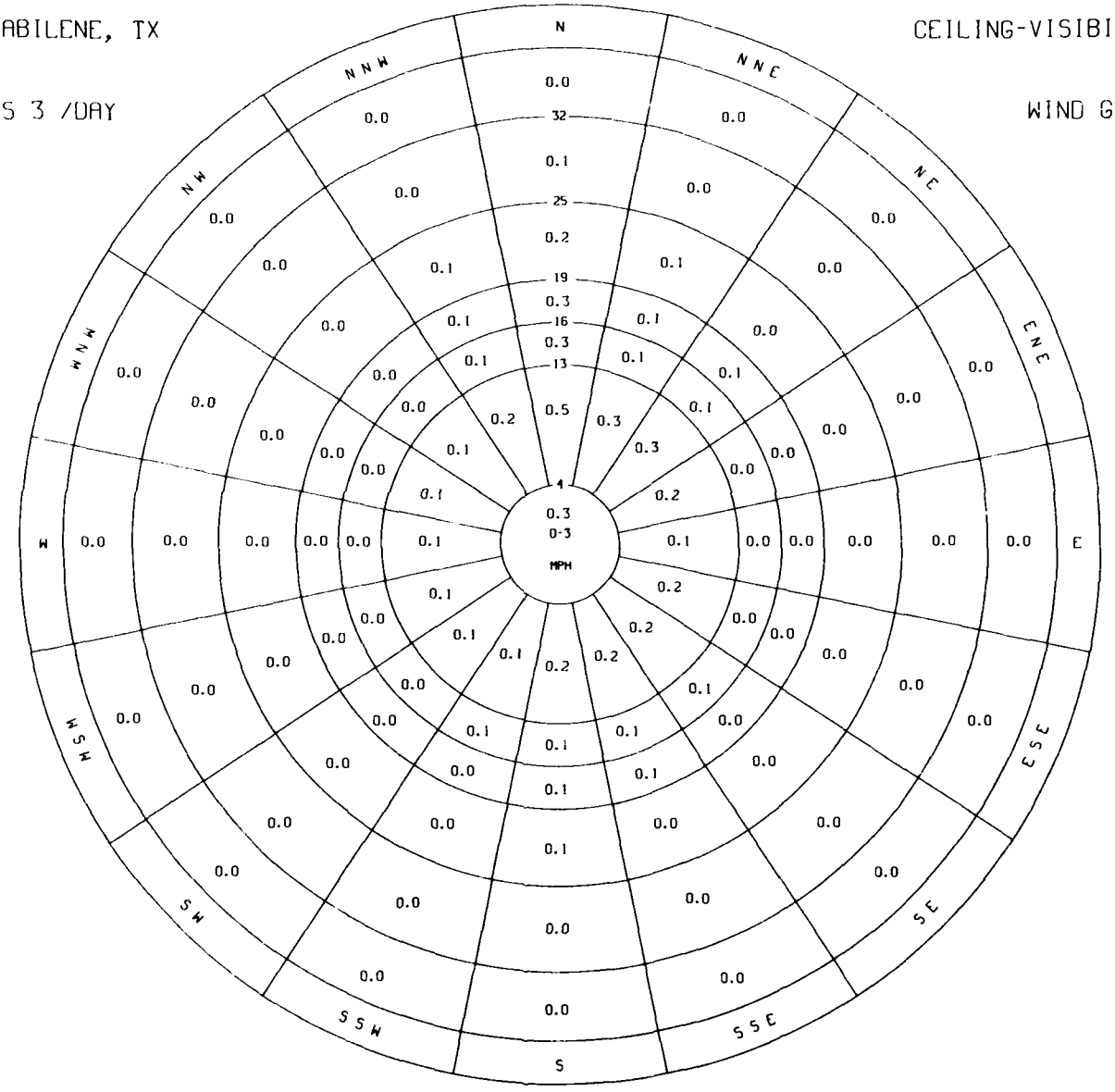
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.7	8.9	.4	4.9	.3	3.8	.3	3.2	.0	.6	.0	.1	1.8	21.9	13.8
NNE	.0	.2	.5	5.6	.2	2.3	.1	1.2	.1	1.3	.0	.1	.0	.0	.9	10.7	12.6
NE	.0	.4	.4	5.2	.1	1.2	.0	.2	.0	.2	.0	.0	.0	.0	.6	7.1	9.7
ENE	.0	.3	.2	3.0	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.9	9.0
E	.0	.3	.2	3.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.7	8.5
ESE	.0	.2	.2	2.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2	2.7	9.3
SE	.0	.2	.3	4.3	.1	1.0	.0	.5	.0	.3	.0	.0	.0	.0	.5	6.4	10.6
SSE	.0	.1	.4	4.9	.1	1.5	.1	1.4	.1	.7	.0	.2	.0	.1	.7	8.9	12.4
S	.0	.3	.4	4.3	.1	1.5	.1	1.2	.0	.6	.0	.2	.0	.0	.7	8.1	12.0
SSW	.0	.2	.2	2.2	.1	.8	.0	.5	.0	.4	.0	.0	.0	.0	.3	4.1	11.4
SW	.0	.2	.1	1.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.0	8.9
WSW	.0	.2	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	8.4
W	.0	.2	.1	.7	.0	.2	.0	.1	.0	.1	.0	.2	.0	.0	.1	1.4	11.8
WNW	.0	.1	.1	1.2	.0	.2	.0	.1	.0	.1	.0	.2	.0	.1	.2	1.9	12.2
NW	.0	.4	.2	2.5	.1	.7	.0	.3	.0	.5	.0	.0	.0	.1	.4	4.4	11.6
NNW	.0	.2	.3	3.4	.1	1.7	.1	.8	.1	1.1	.0	.3	.0	.0	.6	7.6	13.3
CALM	.3	3.9													.3	3.9	
TOTAL	.6	7.6	4.4	53.7	1.4	17.0	.9	10.9	.7	8.5	.2	1.9	.0	.4	8.1	100	11.4

ABI ABILENE, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 13962

NO. OBS.: 3018

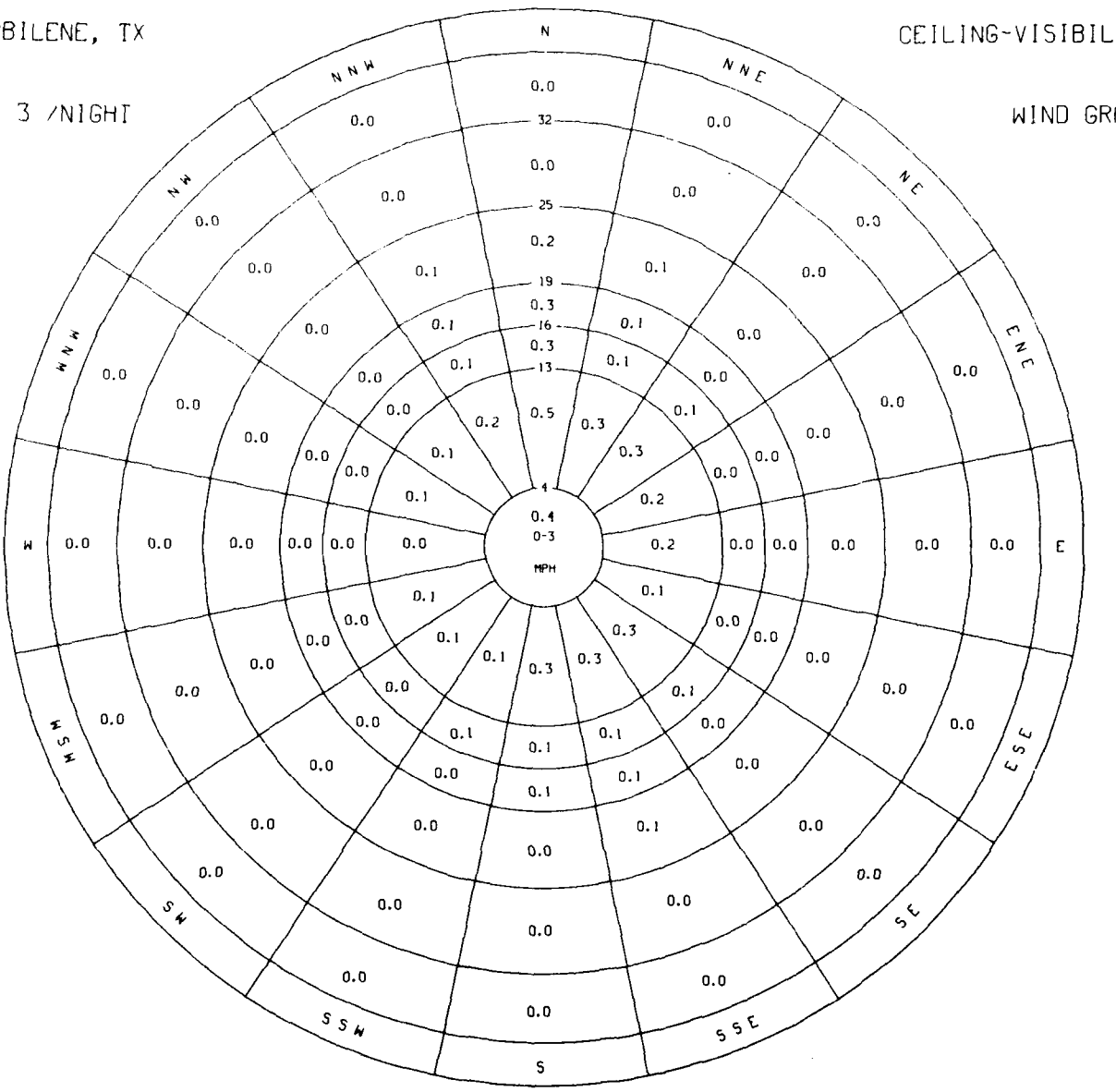
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.5	8.2	.3	4.6	.3	4.5	.2	3.7	.1	.9	.0	.1	1.4	22.3	14.6
NNE	.0	.1	.3	5.4	.1	2.3	.1	1.9	.1	.9	.0	.1	.0	.0	.6	10.6	12.8
NE	.0	.4	.3	5.0	.1	1.4	.1	.8	.0	.3	.0	.0	.0	.0	.5	7.9	10.7
ENE	.0	.1	.2	3.4	.0	.4	.0	.2	.0	.1	.0	.1	.0	.0	.3	4.3	10.0
E	.0	.2	.1	2.4	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.2	3.4	9.8
ESE	.0	.2	.2	2.7	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.2	3.7	9.5
SE	.0	.2	.2	2.8	.1	1.2	.0	.5	.0	.3	.0	.1	.0	.0	.3	5.2	11.9
SSE	.0	.1	.2	3.7	.1	1.6	.1	1.1	.0	.8	.0	.2	.0	.0	.5	7.4	12.9
S	.0	.2	.2	3.8	.1	2.0	.1	1.5	.1	1.2	.0	.0	.0	.0	.5	8.7	13.1
SSW	.0	.0	.1	2.2	.1	.9	.0	.7	.0	.4	.0	.0	.0	.0	.3	4.3	13.1
SW	.0	.1	.1	1.5	.0	.6	.0	.3	.0	.1	.0	.0	.0	.0	.2	2.6	11.7
WSW	.0	.1	.1	1.1	.0	.1	.0	.1	.0	.1	.0	.1	.0	.1	.1	1.6	11.1
W	.0	.0	.1	.9	.0	.2	.0	.1	.0	.3	.0	.4	.0	.1	.1	2.0	16.3
WNW	.0	.1	.1	1.0	.0	.2	.0	.0	.0	.3	.0	.3	.0	.1	.1	2.0	14.7
NW	.0	.2	.1	1.9	.0	.6	.0	.2	.0	.4	.0	.2	.0	.1	.2	3.6	12.4
NNW	.0	.1	.2	3.2	.1	2.0	.1	1.4	.1	1.3	.0	.3	.0	.1	.5	8.4	14.0
CALM	.1	2.1													.1	2.1	
TOTAL	.3	4.5	3.0	49.0	1.2	19.2	.8	13.7	.6	10.3	.2	2.7	.0	.5	6.1	100	12.6

ABI ABILENE, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 13962

NO. OBS.: 2305

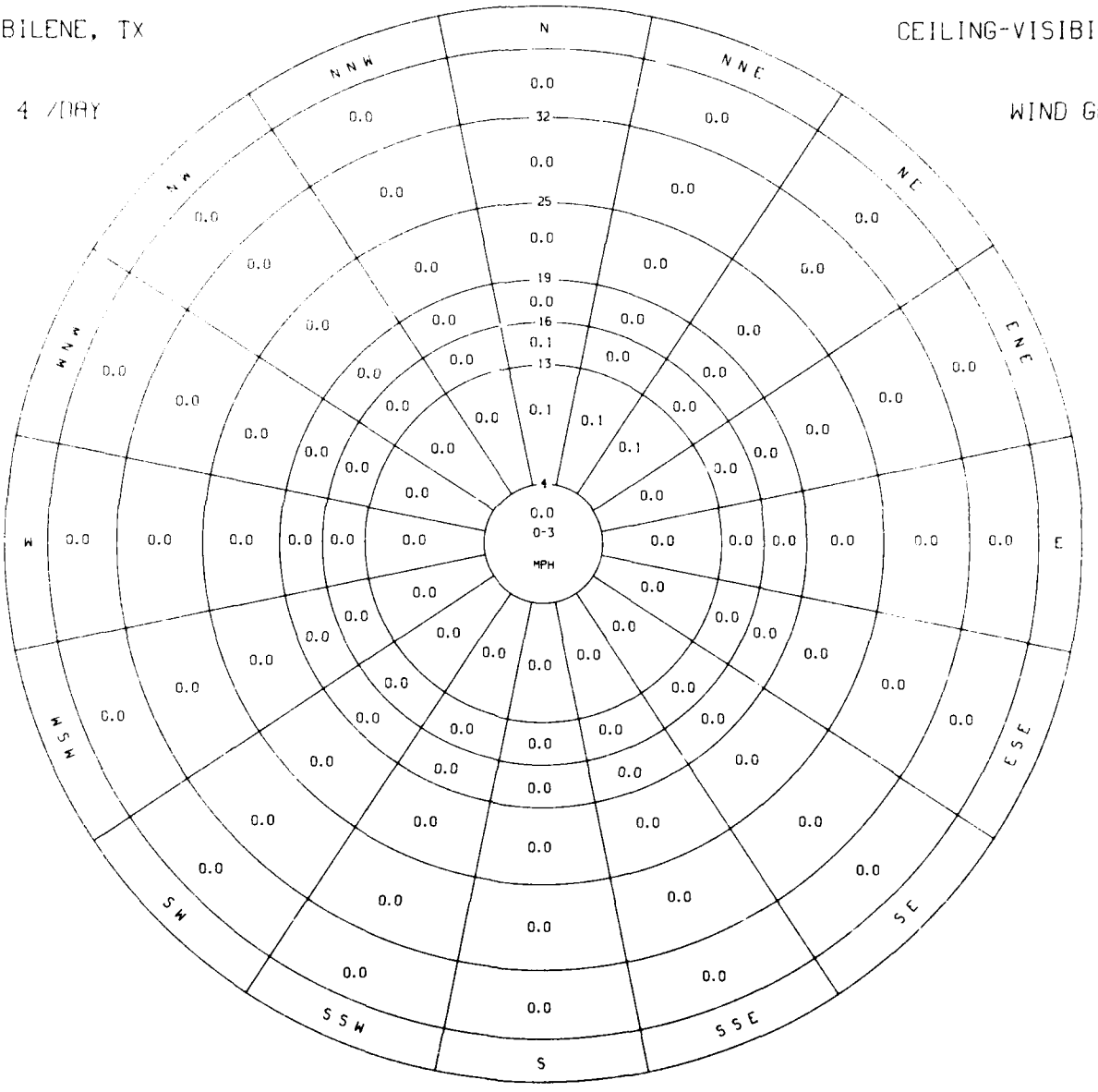
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.5	7.5	.3	5.1	.3	4.2	.2	3.8	.0	.6	.0	.0	1.3	21.5	14.5
NNE	.0	.1	.3	4.8	.1	2.3	.1	1.5	.1	1.6	.0	.1	.0	.0	.6	10.3	13.2
NE	.0	.3	.3	4.6	.1	1.3	.0	.3	.0	.1	.0	.0	.0	.0	.4	6.6	9.9
ENE	.0	.1	.2	2.7	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.2	3.7	9.7
E	.0	.3	.2	2.6	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.2	3.3	8.7
ESE	.0	.1	.1	2.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2	2.7	9.7
SE	.0	.2	.3	4.2	.1	1.0	.0	.5	.0	.4	.0	.0	.0	.0	.4	6.3	10.6
SSE	.0	.2	.3	5.2	.1	1.8	.1	1.6	.1	.9	.0	.2	.0	.1	.6	9.9	12.8
S	.0	.3	.3	4.6	.1	1.8	.1	1.6	.0	.7	.0	.3	.0	.0	.6	9.3	12.5
SSW	.0	.2	.1	2.3	.1	1.0	.0	.7	.0	.4	.0	.0	.0	.0	.3	4.6	11.9
SW	.0	.2	.1	1.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.0	9.2
WSW	.0	.1	.1	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	8.3
W	.0	.1	.0	.7	.0	.2	.0	.1	.0	.1	.0	.2	.0	.0	.1	1.5	13.3
WNW	.0	.1	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.2	.0	.1	.1	2.0	12.8
NW	.0	.3	.1	2.2	.0	.7	.0	.4	.0	.5	.0	.0	.0	.0	.2	4.1	12.3
NNW	.0	.2	.2	3.0	.1	2.0	.1	1.0	.1	1.4	.0	.4	.0	.0	.5	8.0	14.1
CALM	.2	3.0													.2	3.0	
TOTAL	.4	6.1	3.0	49.8	1.1	18.6	.8	12.8	.6	10.3	.1	2.1	.0	.4	6.0	100	12.0

ABI ABILENE, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 13962

NO. OBS.: 457

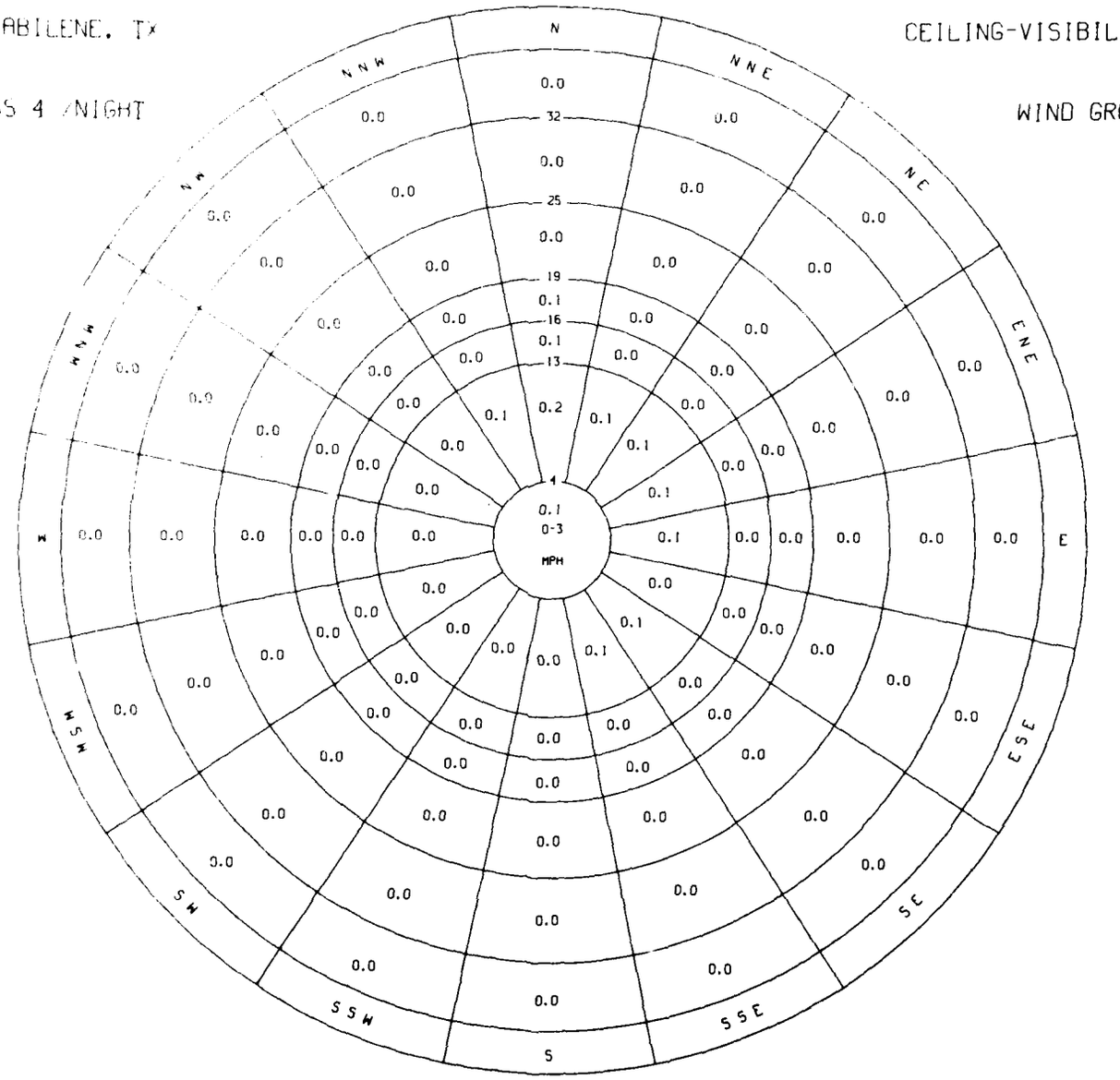
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.1	13.3	.1	6.3	.0	4.6	.0	2.6	.0	.4	.0	.0	.3	28.0	12.7
NNE	.0	.0	.1	9.8	.0	2.3	.0	1.5	.0	1.1	.0	.4	.0	.0	.1	14.9	12.0
NE	.0	.2	.1	7.2	.0	.7	.0	.0	.0	.4	.0	.0	.0	.0	.1	8.5	9.3
ENE	.0	.4	.0	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	8.1
E	.0	.4	.0	3.3	.0	.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	5.3	10.0
ESE	.0	.0	.0	2.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	10.4
SE	.0	.4	.0	3.3	.0	1.1	.0	.9	.0	.7	.0	.0	.0	.0	.1	6.3	11.7
SSE	.0	.0	.0	1.8	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.8	10.8
S	.0	.0	.0	1.8	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	2.4	9.7
SSW	.0	.2	.0	2.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	8.1
SW	.0	.2	.0	.7	.0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	1.3	11.3
WSW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	1.1	14.6
W	.0	.2	.0	.2	.0	.0	.0	.2	.0	.4	.0	1.1	.0	.2	.0	2.4	22.5
WNW	.0	.2	.0	1.3	.0	.2	.0	.4	.0	.7	.0	.2	.0	.0	.0	3.1	14.1
NW	.0	.2	.0	3.1	.0	.7	.0	.7	.0	.0	.0	.4	.0	.0	.0	5.0	11.7
NNW	.0	.2	.0	3.7	.0	2.0	.0	1.1	.0	.2	.0	.2	.0	.0	.1	7.4	11.8
CALM	.0	1.8													.0	1.8	
TOTAL	.0	5.3	.5	58.0	.2	16.2	.1	10.7	.1	6.3	.0	3.1	.0	.4	.9	100	11.5

ABI ABILENE, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, Tx

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 13962

NO. OBS.: 516

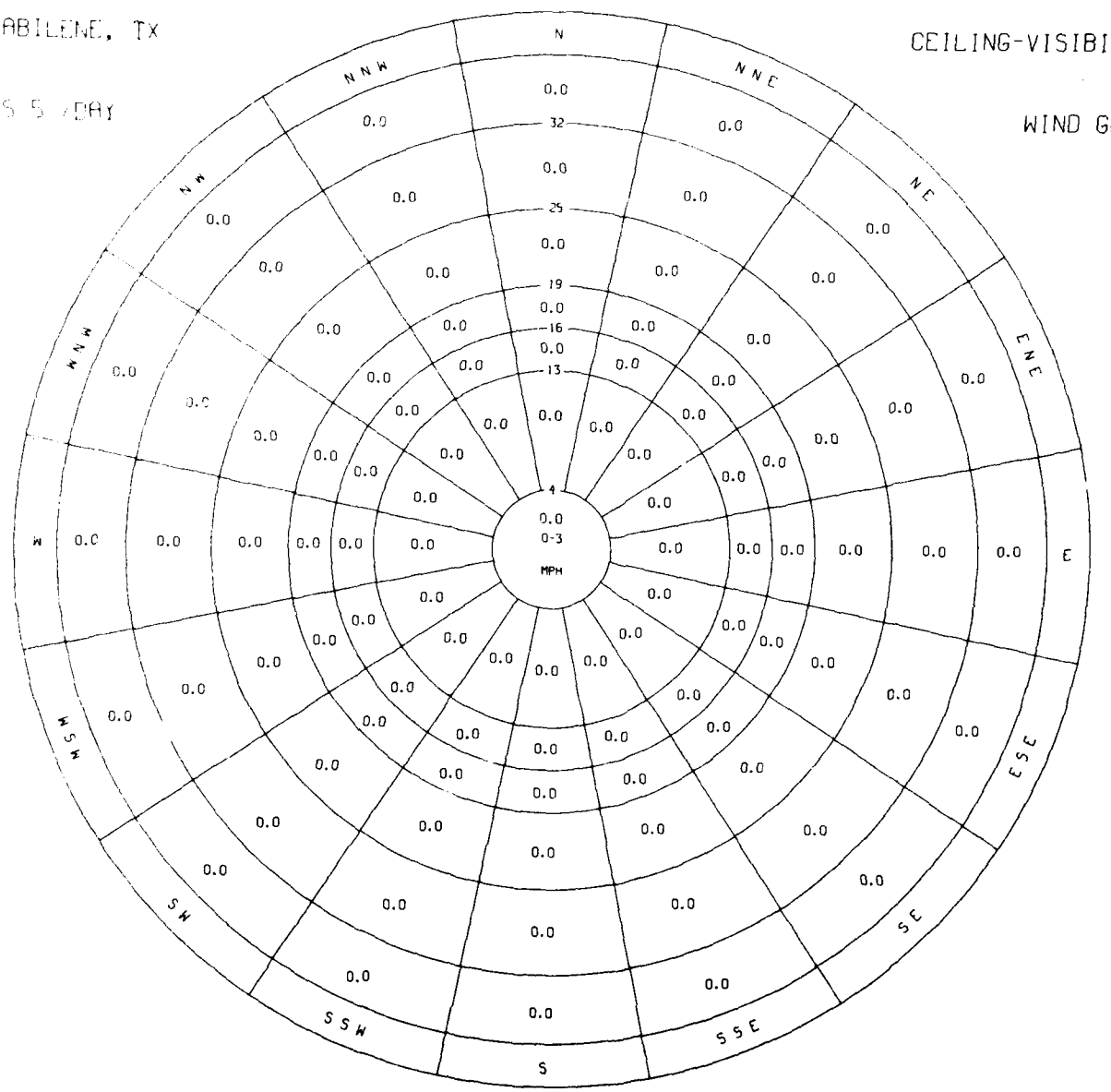
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.2	13.9	.1	5.0	.1	3.9	.0	1.7	.0	.4	.0	.2	.3	25.3	12.3
NNE	.0	.2	.1	9.1	.0	2.5	.0	.4	.0	.6	.0	.4	.0	.0	.2	13.1	11.5
NE	.0	.4	.1	6.8	.0	1.0	.0	.0	.0	.2	.0	.0	.0	.0	.1	8.3	9.4
ENE	.0	.6	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.8	7.5
E	.0	.2	.1	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	7.6
ESE	.0	.4	.0	2.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	8.3
SE	.0	.0	.1	5.4	.0	.8	.0	.8	.0	.2	.0	.2	.0	.0	.1	7.3	11.1
SSE	.0	.0	.1	3.9	.0	.8	.0	.6	.0	.2	.0	.0	.0	.0	.1	5.4	10.9
S	.0	.2	.0	3.3	.0	.8	.0	.0	.0	.2	.0	.2	.0	.0	.1	4.6	10.4
SSW	.0	.4	.0	1.4	.0	.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	2.3	9.9
SW	.0	.0	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.4	9.4
WSW	.0	.2	.0	1.7	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	2.3	9.2
W	.0	.4	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.3
WNW	.0	.0	.0	1.2	.0	.2	.0	.0	.0	.2	.0	.2	.0	.0	.0	1.7	11.8
NW	.0	.2	.0	2.5	.0	1.0	.0	.2	.0	.6	.0	.0	.0	.0	.1	4.4	11.6
NNW	.0	.2	.1	4.8	.0	1.4	.0	.0	.0	.0	.0	.2	.0	.0	.1	6.6	10.5
CALM	.1	3.9													.1	3.9	
TOTAL	.1	7.3	.9	65.8	.2	14.7	.1	6.2	.1	4.1	.0	1.7	.0	.2	1.4	100	10.3

ABI ABILENE, TX

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-197

CLASS DAY

STATION NUMBER: 13962

NO. OBS.: 9

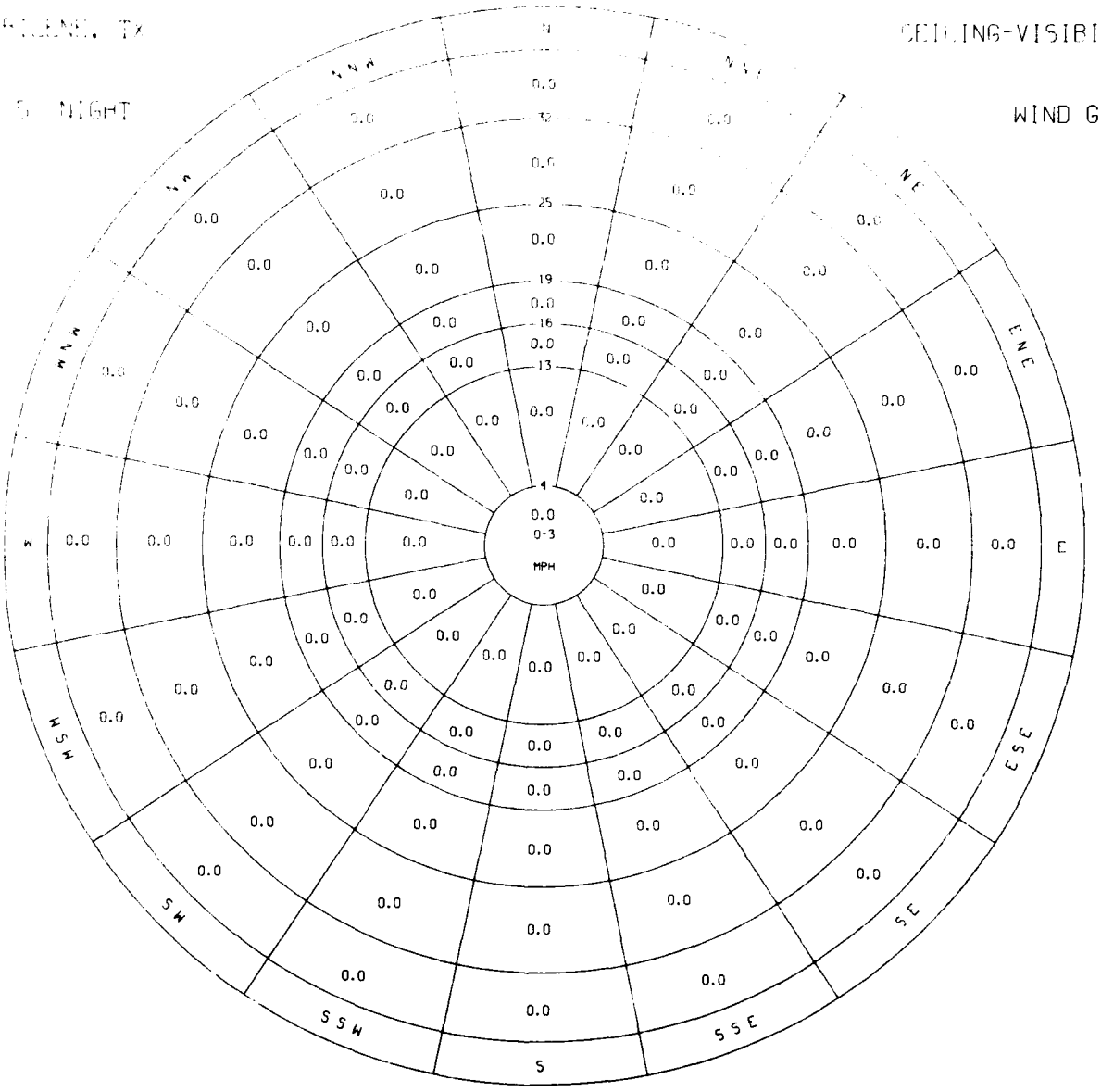
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	13.3	.0	3.3	.0	4.4	.0	3.3	.0	1.1	.0	.0	.0	25.6	13.1
NNE	.0	.0	.0	7.8	.0	2.2	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	13.3	12.7
NE	.0	2.2	.0	5.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.9	8.1
ENE	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	7.2
E	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	9.0
ESE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
SE	.0	1.1	.0	5.6	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	7.8	10.0
SSE	.0	.0	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	9.3
S	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	9.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.5
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.0
W	.0	1.1	.0	3.3	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	6.7	10.8
WNW	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	3.3	16.0
NW	.0	.0	.0	3.3	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	5.6	15.4
NNW	.0	.0	.0	4.4	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	10.3
CALM	.0	6.7													.0	6.7	
TOTAL	.0	12.2	.1	57.8	.0	12.2	.0	5.6	.0	10.0	.0	1.1	.0	1.1	.2	100	10.5

AFI ABILENE, TX

CLASS 5 NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 13962

NO. OBS.: 122

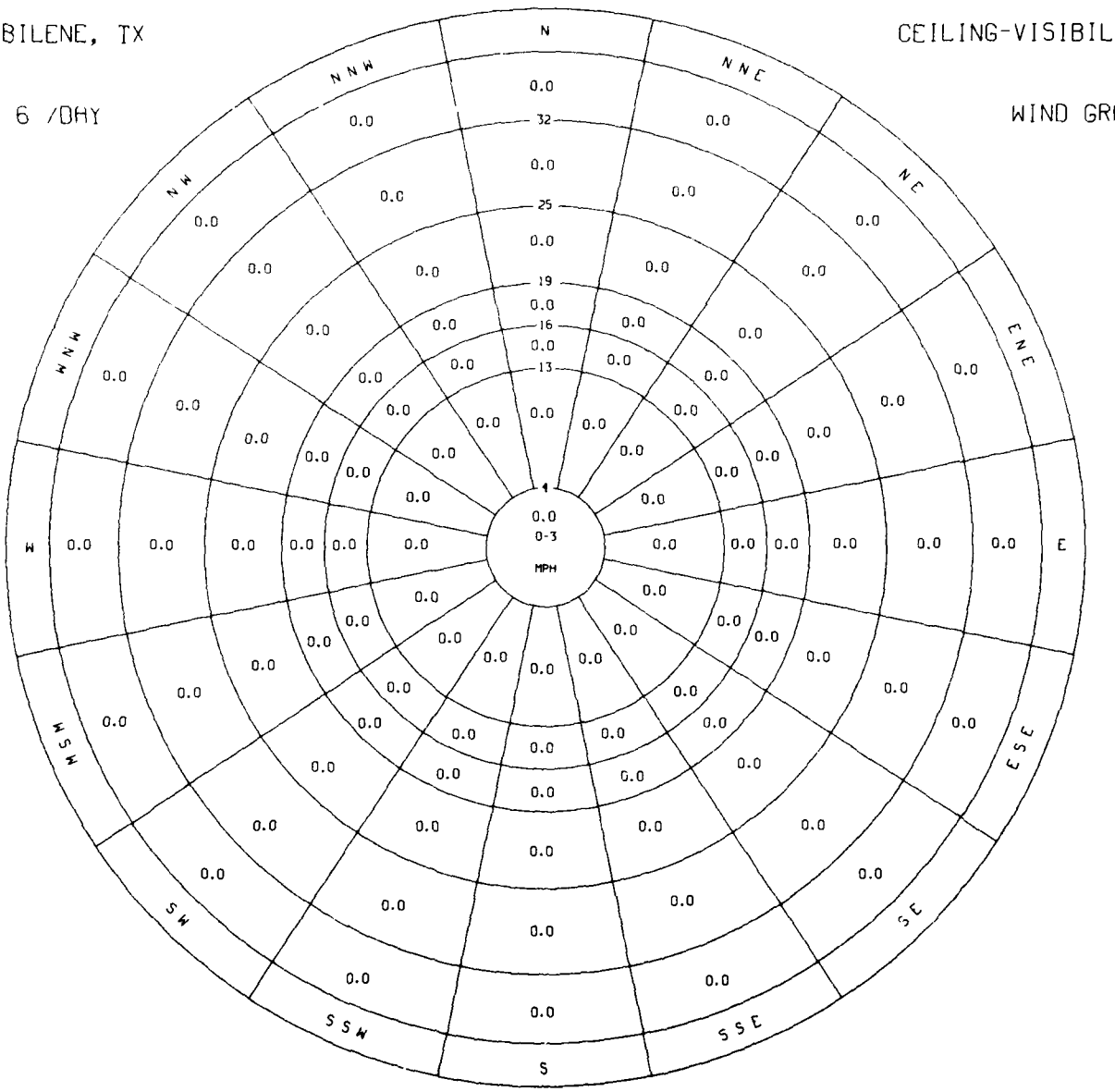
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	13.1	.0	4.1	.0	2.5	.0	.8	.0	.8	.0	.0	.1	21.3	11.4
NNE	.0	.0	.0	7.4	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	9.0	10.4
NE	.0	.8	.0	9.0	.0	2.5	.0	.8	.0	.8	.0	.0	.0	.0	.0	13.9	9.8
ENE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.7
E	.0	.0	.0	5.7	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	7.4	9.4
ESE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.7
SE	.0	.0	.0	4.9	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	6.6	10.1
SSE	.0	.0	.0	4.1	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	6.6	10.6
S	.0	.0	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	6.3
SSW	.0	.0	.0	4.1	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	4.9	9.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.5
NW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	3.3	14.2
NNW	.0	.0	.0	5.7	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	7.4	10.2
CALM	.0	6.6													.0	6.6	
TOTAL	.0	7.4	.2	69.7	.0	9.8	.0	9.0	.0	2.5	.0	.8	.0	.8	.3	100	9.4

ABI ABILENE, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 13962

NO. OBS.: 90

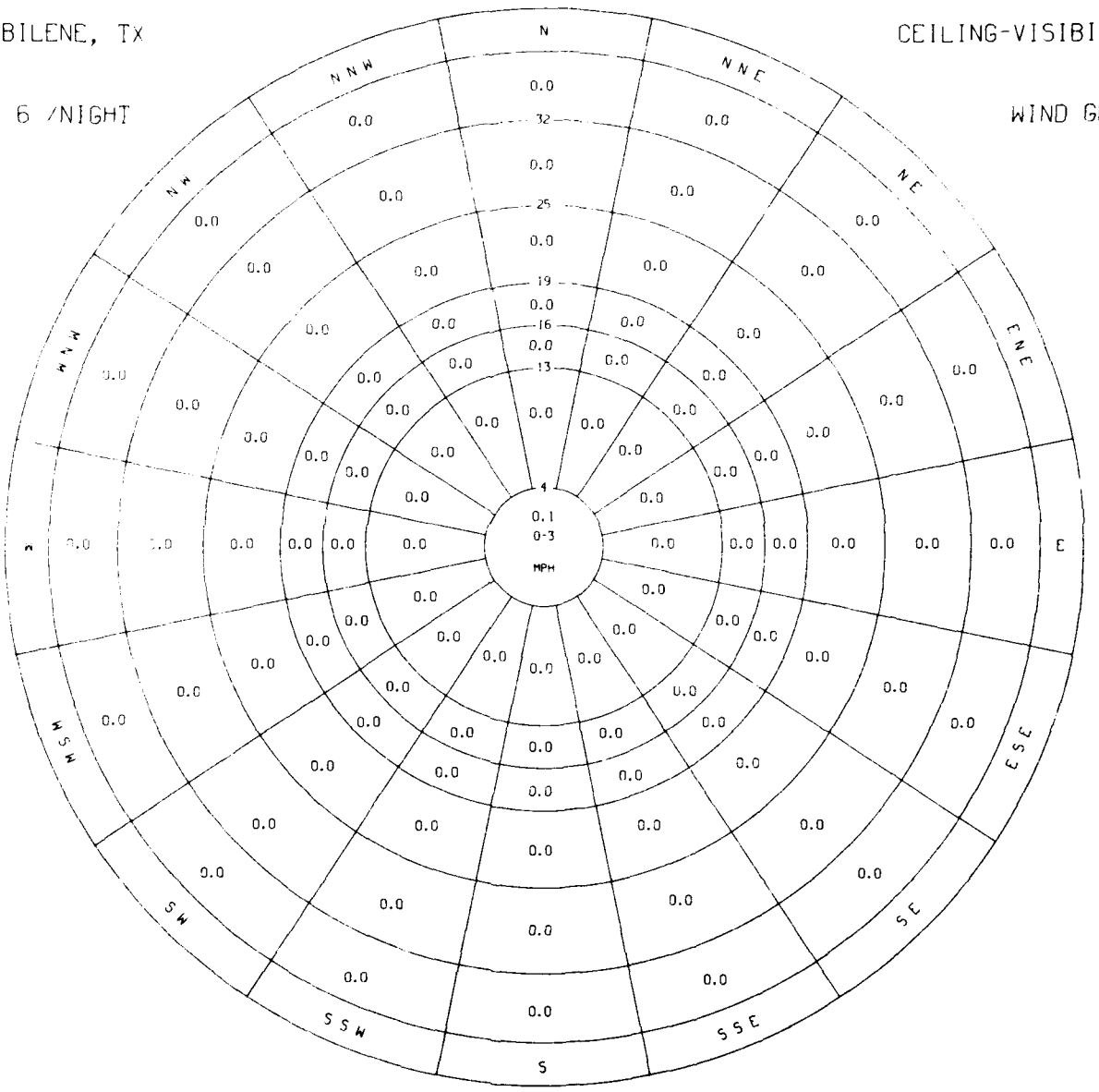
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.1	.0	21.1	.0	3.3	.0	4.4	.0	2.2	.0	.0	.0	2.2	.1	34.4	12.8
NNE	.0	.0	.0	5.6	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	7.8	10.3
NE	.0	.0	.0	4.4	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	10.3
ENE	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.7
E	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.3
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.0
SSW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.0
SW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.3	17.0
WNW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	3.3	17.7
NW	.0	1.1	.0	5.6	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	7.3
NNW	.0	.0	.0	7.8	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	10.0	9.3
CALM	.0	11.1													.0	11.1	
TOTAL	.0	16.7	.1	60.0	.0	7.8	.0	6.7	.0	4.4	.0	1.1	.0	3.3	.2	100	9.6

ABI ABILENE, Tx

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ABI ABILENE, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 13962

NO. OBS.: 162

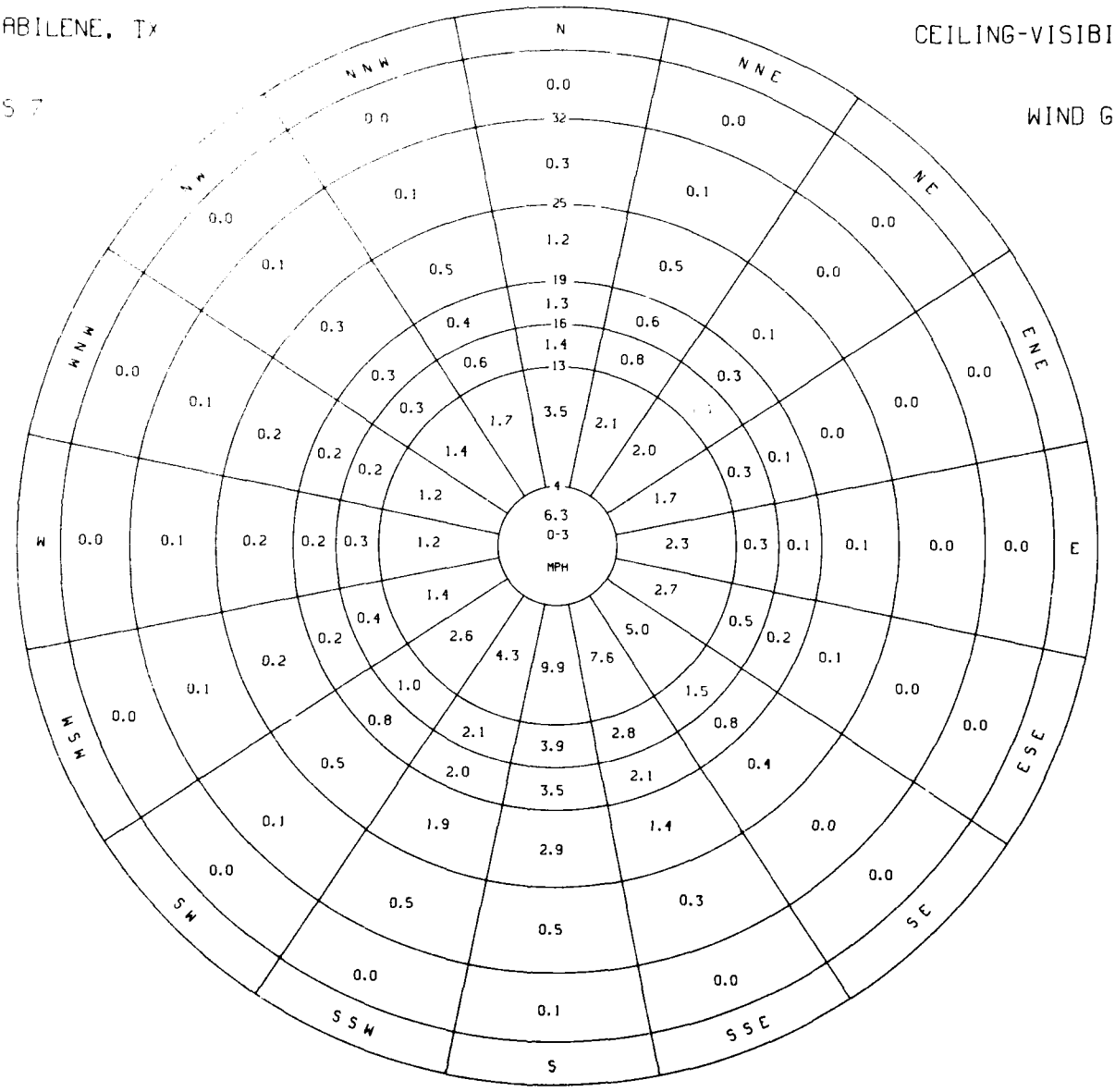
DIR	SPEED GROUPS (MPH)																WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+				
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.5	.0	9.3	.0	1.9	.0	.0	.0	1.2	.0	.6	.0	.6	.1	16.0	10.7
NNE	.0	1.2	.0	4.9	.0	2.5	.0	.6	.0	.6	.0	.0	.0	.0	.0	9.9	10.0
NE	.0	1.2	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	7.5
ENE	.0	1.2	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.9
E	.0	.6	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	8.0
ESE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	8.0
SE	.0	1.2	.0	1.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	7.2
SSE	.0	.0	.0	5.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.7
S	.0	.0	.0	3.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	7.4
SSW	.0	.6	.0	1.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.4
SW	.0	1.9	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	7.0
WSW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.3
W	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.0
WNW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.0
NW	.0	2.5	.0	6.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	6.9
NNW	.0	.6	.0	2.5	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	4.3	9.4
CALM	.1	14.2													.1	14.2	
TOTAL	.1	29.0	.3	59.3	.0	7.4	.0	1.2	.0	1.9	.0	.6	.0	.6	.4	100	7.0

ABI ABILENE, Tx

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

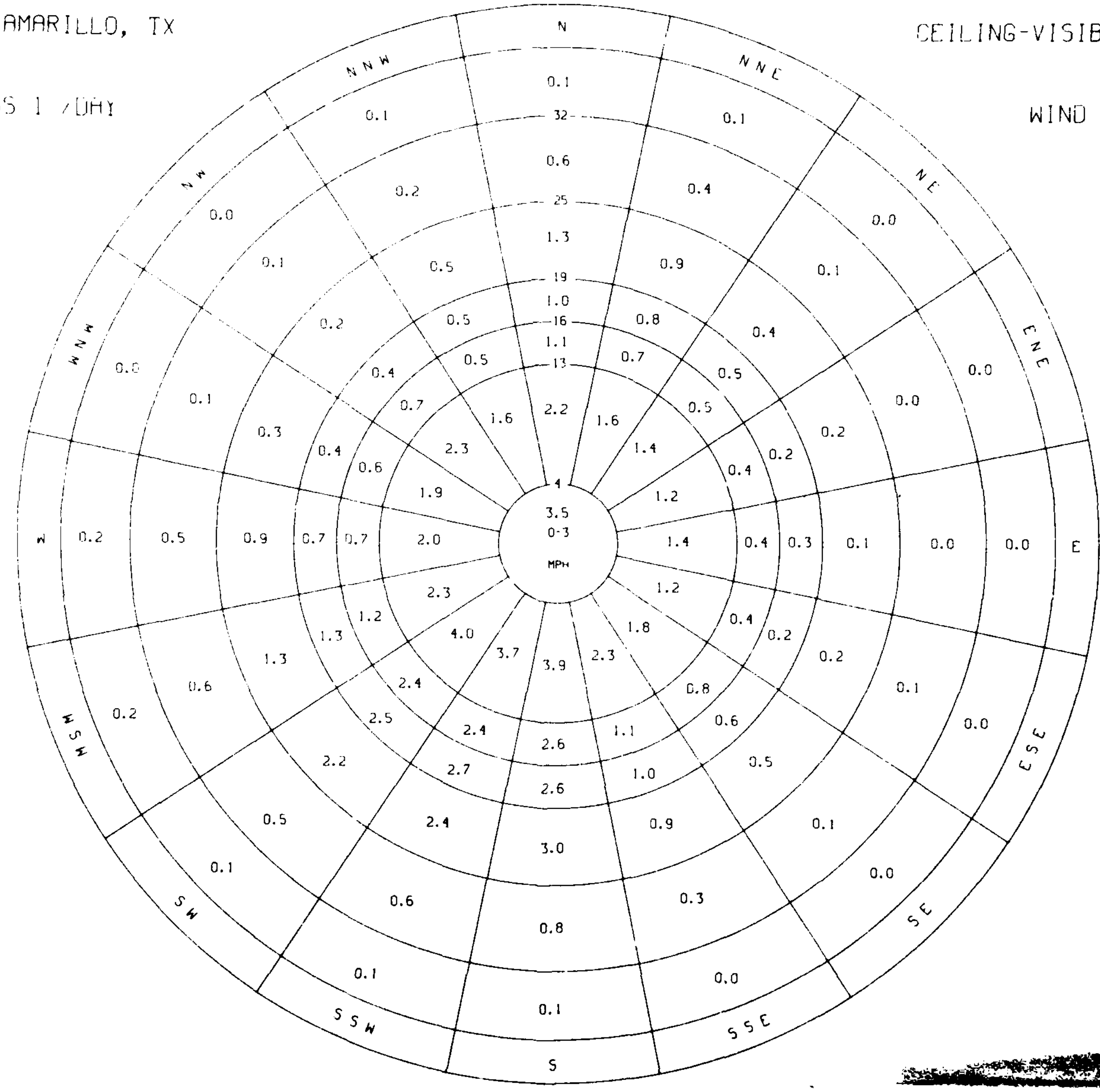


AMA AMARILLO, TX

CLASS I /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, Tx

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 23047

NO. OBS.: 44574

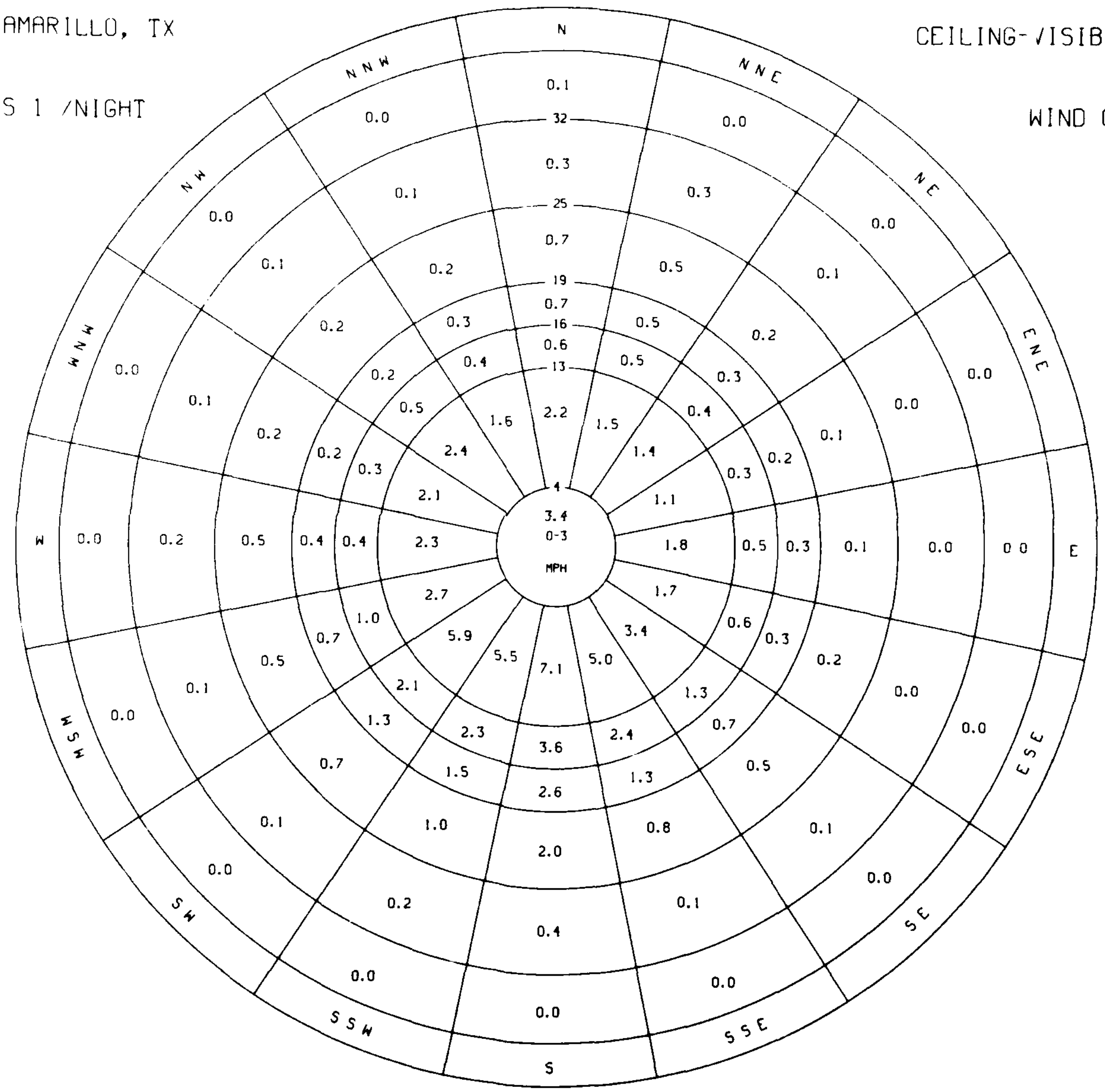
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	2.2	2.4	1.1	1.2	1.0	1.1	1.3	1.4	.6	.6	.1	.1	6.5	7.1	15.4
NNE	.1	.1	1.6	1.8	.7	.8	.8	.9	.9	1.0	.4	.4	.1	.1	4.6	5.0	15.2
NE	.1	.1	1.4	1.5	.5	.6	.5	.5	.4	.4	.1	.1	.0	.0	3.0	3.3	12.8
ENE	.1	.1	1.2	1.3	.4	.4	.2	.3	.2	.2	.0	.0	.0	.0	2.2	2.3	11.9
E	.1	.2	1.4	1.5	.4	.5	.3	.3	.1	.2	.0	.0	.0	.0	2.4	2.6	11.0
ESE	.1	.1	1.2	1.3	.4	.4	.2	.2	.2	.2	.1	.1	.0	.0	2.1	2.3	11.7
SE	.2	.2	1.8	1.9	.8	.9	.6	.7	.5	.6	.1	.1	.0	.0	4.0	4.4	13.1
SSE	.1	.1	2.3	2.5	1.1	1.2	1.0	1.1	.9	.9	.3	.4	.0	.0	5.9	6.4	14.3
S	.2	.2	3.9	4.3	2.6	2.8	2.6	2.8	3.0	3.2	.8	.8	.1	.1	13.1	14.3	15.6
SSW	.2	.2	3.7	4.0	2.4	2.6	2.7	2.9	2.4	2.7	.6	.7	.1	.1	12.1	13.1	15.4
SW	.2	.2	4.0	4.3	2.4	2.6	2.5	2.7	2.2	2.4	.5	.6	.1	.1	11.9	13.0	15.1
WSW	.1	.2	2.3	2.4	1.2	1.3	1.3	1.4	1.3	1.5	.6	.7	.2	.2	7.1	7.7	15.9
W	.2	.2	2.0	2.2	.7	.7	.7	.7	.9	.9	.5	.6	.2	.2	5.1	5.6	15.4
WNW	.2	.2	1.9	2.1	.6	.6	.4	.4	.3	.3	.1	.2	.0	.0	3.5	3.8	12.0
NW	.2	.2	2.3	2.5	.7	.8	.4	.4	.2	.3	.1	.1	.0	.0	4.0	4.3	11.3
NNW	.1	.2	1.6	1.7	.5	.6	.5	.5	.5	.5	.2	.3	.1	.1	3.5	3.8	13.9
CALM	1.0	1.1													1.0	1.1	
TOTAL	3.5	3.8	34.9	37.9	16.6	18.1	15.6	16.9	15.2	16.6	5.2	5.6	1.0	1.1	92.1	100	14.4

AMA AMARILLO, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 23047

NO. OBS.: 35584

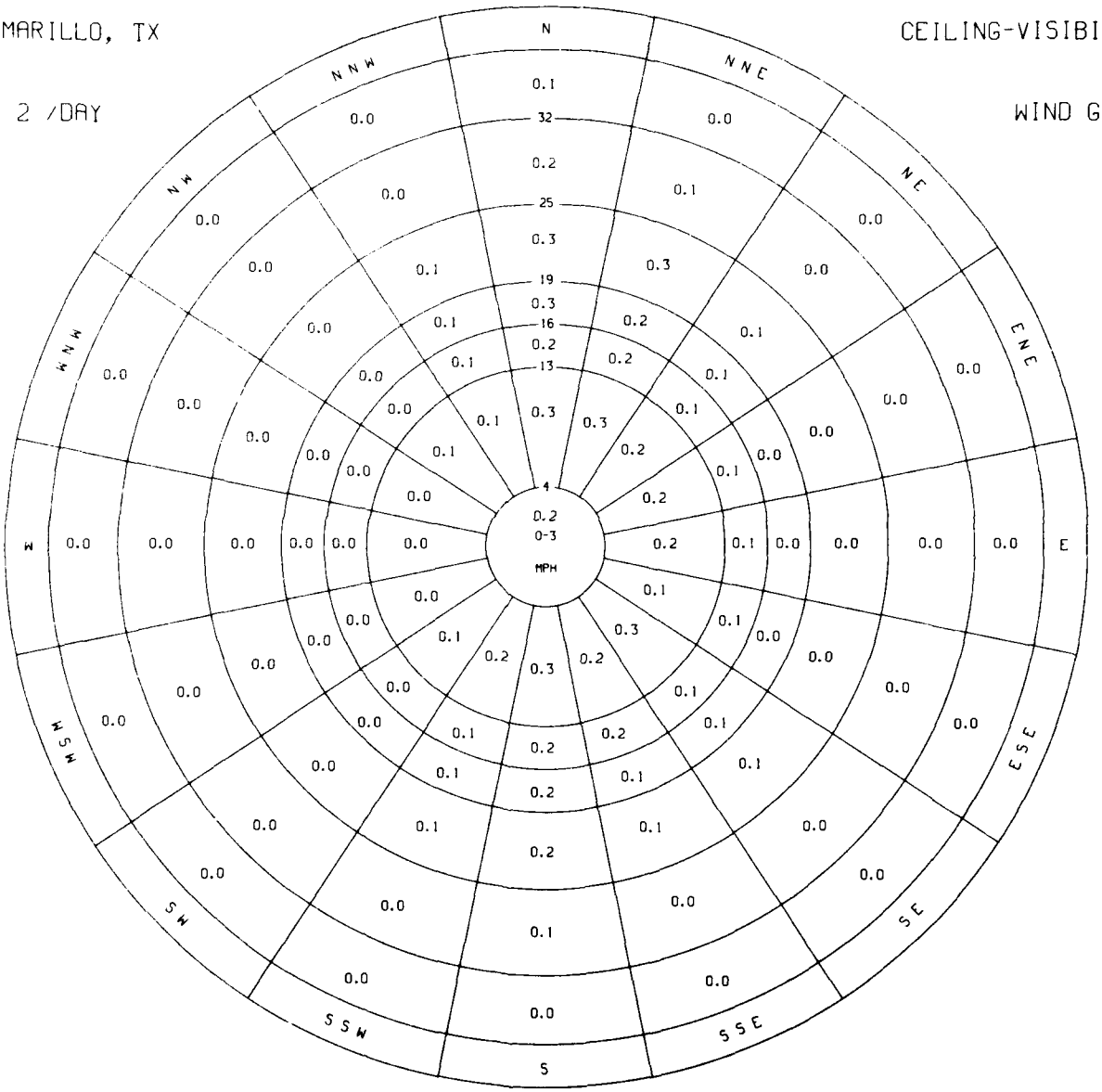
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	2.2	2.4	.6	.6	.7	.7	.7	.7	.3	.3	.1	.1	4.7	5.1	13.8
NNE	.1	.1	1.5	1.7	.5	.5	.5	.6	.5	.5	.3	.3	.0	.0	3.4	3.8	13.9
NE	.1	.2	1.4	1.6	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	2.5	2.8	11.6
ENE	.1	.1	1.1	1.2	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	1.8	2.0	11.1
E	.1	.1	1.8	2.0	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	2.9	3.2	11.1
ESE	.1	.1	1.7	1.9	.6	.6	.3	.3	.2	.2	.0	.0	.0	.0	2.8	3.1	11.4
SE	.1	.1	3.4	3.8	1.3	1.4	.7	.8	.5	.5	.1	.1	.0	.0	6.2	6.8	12.2
SSE	.1	.1	5.0	5.5	2.4	2.7	1.3	1.4	.8	.9	.1	.2	.0	.0	9.8	10.8	12.8
S	.2	.2	7.1	7.8	3.6	3.9	2.6	2.8	2.0	2.2	.4	.4	.0	.0	15.8	17.4	13.5
SSW	.2	.2	5.5	6.1	2.3	2.5	1.5	1.7	1.0	1.2	.2	.2	.0	.0	10.7	11.8	12.8
SW	.2	.2	5.9	6.5	2.1	2.3	1.3	1.4	.7	.8	.1	.1	.0	.0	10.3	11.4	12.0
WSW	.2	.2	2.7	3.0	1.0	1.1	.7	.8	.5	.6	.1	.2	.0	.0	5.3	5.8	12.6
W	.2	.2	2.3	2.5	.4	.5	.4	.5	.5	.6	.2	.2	.0	.0	4.1	4.5	12.2
WNW	.1	.2	2.1	2.3	.3	.3	.2	.3	.2	.2	.1	.1	.0	.0	3.0	3.3	10.2
NW	.2	.2	2.4	2.7	.5	.6	.2	.2	.2	.2	.1	.1	.0	.0	3.6	4.0	10.4
NNW	.1	.1	1.6	1.8	.4	.4	.3	.3	.2	.3	.1	.1	.0	.0	2.8	3.1	11.9
CALM	1.1	1.2													1.1	1.2	
TOTAL	3.4	3.7	47.9	52.8	17.1	18.9	11.4	12.6	8.3	9.2	2.2	2.5	.3	.4	90.7	100	12.3

AMA AMARILLO, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 23047

NO. OBS.: 3841

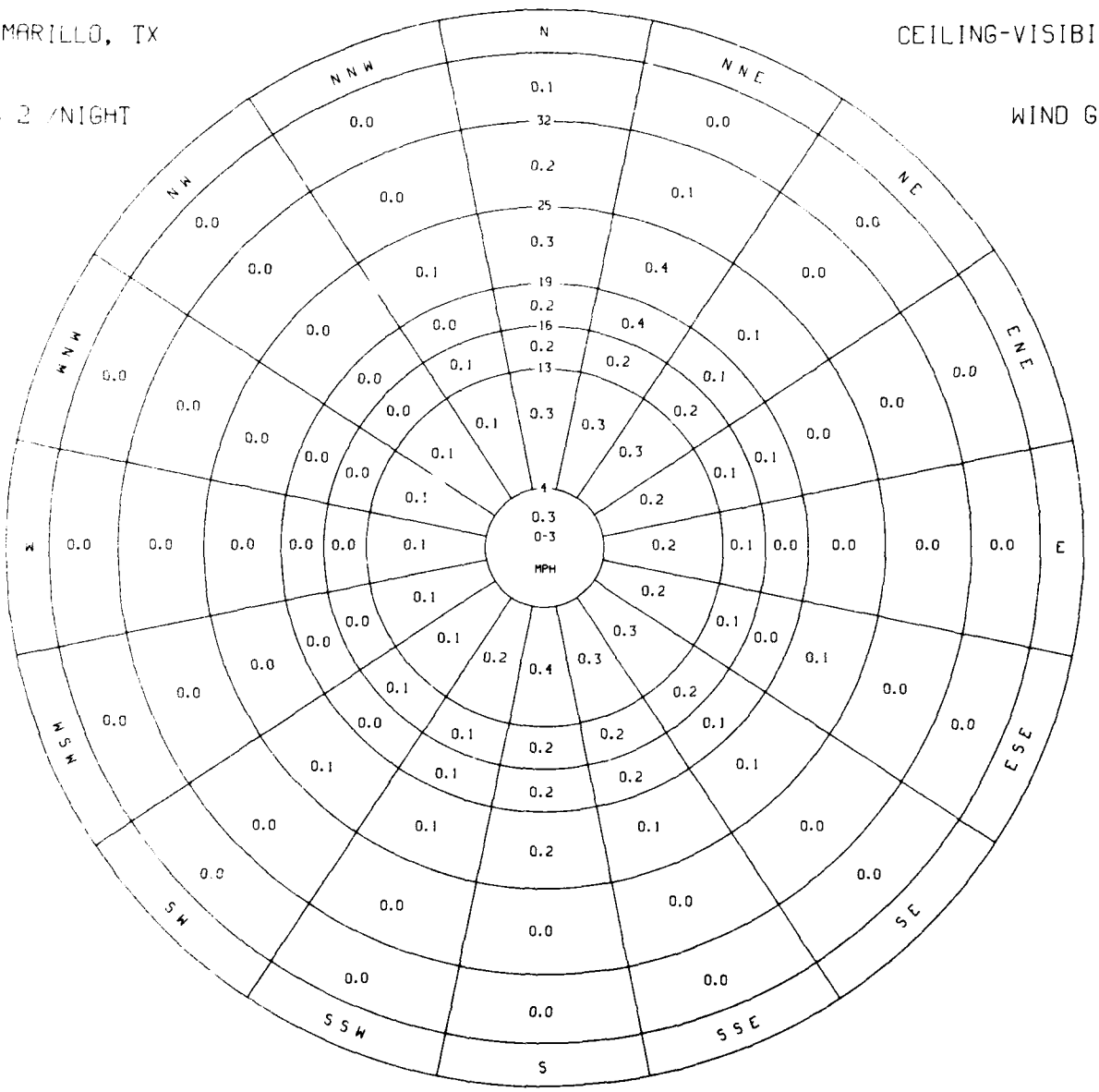
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.1	.3	3.4	.2	2.7	.3	3.3	.3	3.7	.2	2.1	.1	.9	1.3	16.3	18.2
NNE	.0	.2	.3	3.7	.2	2.9	.2	3.2	.3	3.2	.1	1.8	.0	.3	1.2	15.4	17.0
NE	.0	.1	.2	3.2	.1	1.6	.1	1.3	.1	1.0	.0	.3	.0	.1	.6	7.6	14.2
ENE	.0	.1	.2	2.2	.1	1.1	.0	.5	.0	.4	.0	.1	.0	.0	.3	4.4	12.3
E	.0	.2	.2	2.4	.1	.7	.0	.4	.0	.4	.0	.1	.0	.0	.3	4.2	12.1
ESE	.0	.2	.1	1.8	.1	.7	.0	.4	.0	.4	.0	.2	.0	.0	.3	3.7	12.7
SE	.0	.3	.3	3.3	.1	1.6	.1	1.5	.1	.7	.0	.2	.0	.0	.6	7.6	13.3
SSE	.0	.1	.2	2.7	.2	2.0	.1	1.5	.1	1.6	.0	.4	.0	.0	.7	8.4	15.1
S	.0	.1	.3	3.8	.2	2.2	.2	2.7	.2	2.4	.1	.7	.0	.1	1.0	12.0	15.3
SSW	.0	.1	.2	2.3	.1	1.1	.1	1.0	.1	1.0	.0	.3	.0	.1	.5	5.9	15.1
SW	.0	.1	.1	1.2	.0	.3	.0	.4	.0	.4	.0	.1	.0	.1	.2	2.7	13.9
WSW	.0	.1	.0	.6	.0	.2	.0	.2	.0	.2	.0	.1	.0	.4	.1	1.8	19.2
W	.0	.0	.0	.5	.0	.1	.0	.0	.0	.0	.0	.3	.0	.3	.1	1.4	20.6
WNW	.0	.0	.0	.6	.0	.1	.0	.1	.0	.1	.0	.1	.0	.2	.1	1.1	15.9
NW	.0	.1	.1	.9	.0	.3	.0	.1	.0	.1	.0	.1	.0	.1	.1	1.6	12.5
NNW	.0	.2	.1	1.6	.1	.7	.1	.8	.1	.8	.0	.5	.0	.5	.4	5.1	17.5
CALM	.1	.9													.1	.9	
TOTAL	.2	2.3	2.7	34.3	1.5	18.5	1.4	17.3	1.3	16.5	.6	7.4	.2	3.1	7.9	100	15.4

AMA AMARILLO, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, Tx

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 23047

NO. OBS.: 3649

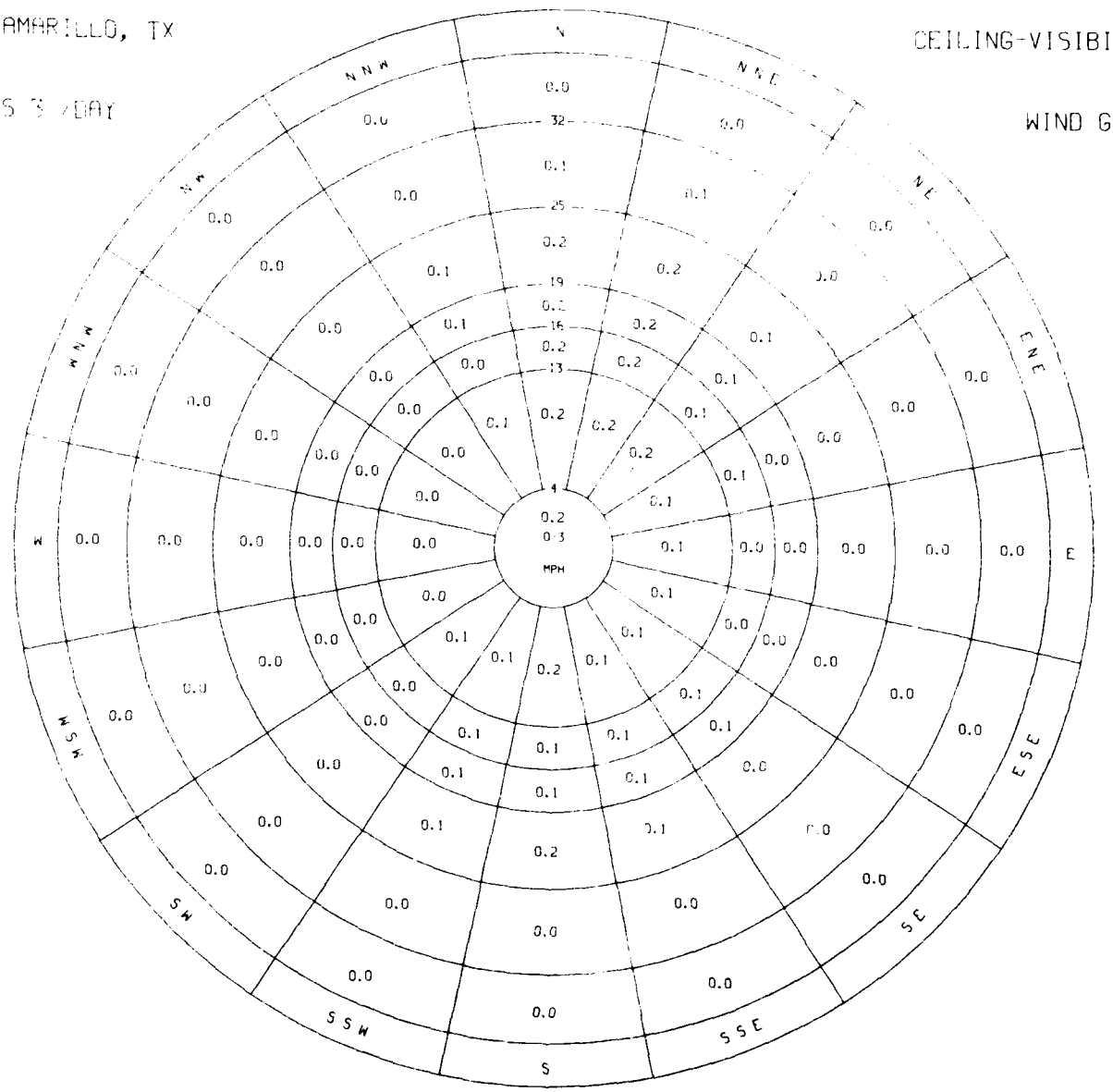
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.1	.3	3.6	.2	2.4	.2	2.7	.3	3.6	.2	1.8	.1	.5			1.4	14.7	17.6
NNE	.0	.1	.3	3.3	.2	2.5	.4	3.8	.4	3.9	.1	1.3	.0	.3			1.4	15.3	17.2
NE	.0	.4	.3	2.8	.2	1.9	.1	1.1	.1	1.1	.0	.2	.0	.1			.7	7.5	13.4
ENE	.0	.1	.2	2.1	.1	.7	.1	.6	.0	.2	.0	.1	.0	.0			.4	3.8	12.0
E	.0	.2	.2	2.6	.1	.8	.0	.5	.0	.3	.0	.0	.0	.0			.4	4.3	11.3
ESE	.0	.1	.2	1.9	.1	1.0	.0	.4	.1	.5	.0	.1	.0	.0			.4	4.0	12.8
SE	.0	.1	.3	3.5	.2	2.1	.1	1.0	.1	1.1	.0	.2	.0	.0			.7	8.0	13.5
SSE	.0	.1	.3	3.3	.2	2.5	.2	1.9	.1	1.5	.0	.4	.0	.1			.9	9.8	14.8
S	.0	.3	.4	4.4	.2	2.5	.2	2.4	.2	2.0	.0	.4	.0	.0			1.1	11.9	14.3
SSW	.0	.1	.2	1.9	.1	1.4	.1	1.3	.1	1.2	.0	.2	.0	.0			.6	6.2	15.0
SW	.0	.1	.1	1.5	.1	.7	.0	.4	.1	.7	.0	.0	.0	.0			.3	3.4	13.5
WSW	.0	.1	.1	.7	.0	.1	.0	.1	.0	.1	.0	.0	.0	.1			.1	1.2	11.5
W	.0	.1	.1	.7	.0	.1	.0	.0	.0	.1	.0	.1	.0	.1			.1	1.2	11.4
WNW	.0	.1	.1	.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0			.1	1.0	10.3
NW	.0	.1	.1	1.5	.0	.2	.0	.3	.0	.2	.0	.3	.0	.1			.2	2.7	13.3
NNW	.0	.2	.1	1.3	.1	.6	.0	.3	.1	.6	.0	.4	.0	.4			.4	3.8	17.7
CALM	.1	1.2															.1	1.2	
TOTAL	.3	3.4	3.3	35.8	1.8	19.6	1.6	16.8	1.6	17.3	.5	5.5	.1	1.6			9.3	100	14.7

AMA AMARILLO, TX

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 23047

NO. OBS.: 2781

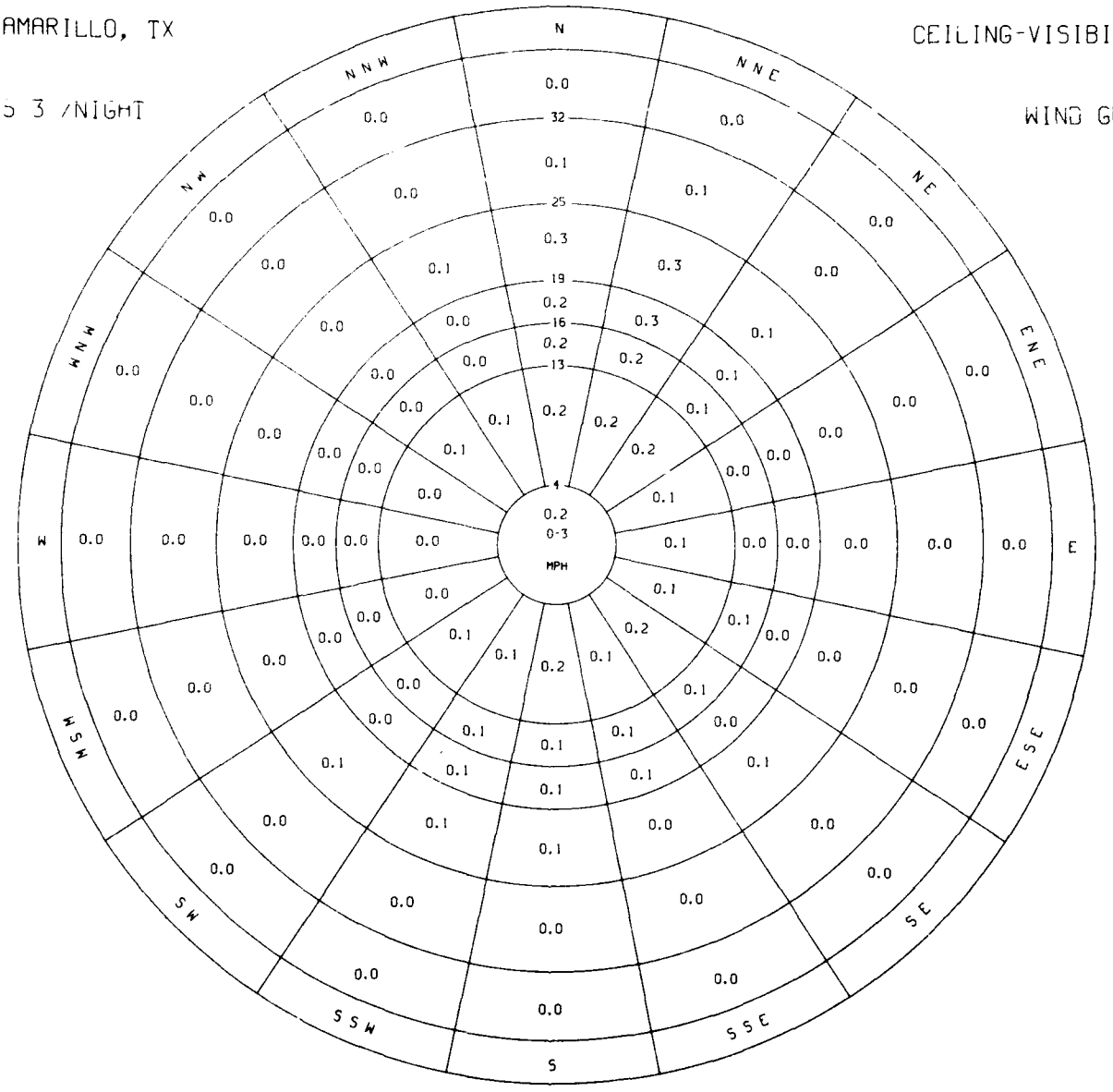
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.2	.2	2.7	.2	2.7	.2	4.0	.2	4.3	.1	2.4	.0	.9	1.0	18.1	18.2
NNE	.0	.1	.2	3.7	.2	3.5	.2	3.4	.2	3.5	.1	1.9	.0	.3	.9	16.4	16.9
NE	.0	.1	.2	3.4	.1	1.7	.1	1.3	.1	1.2	.0	.3	.0	.1	.5	8.0	14.0
ENE	.0	.1	.1	2.3	.1	1.1	.0	.4	.0	.4	.0	.1	.0	.0	.3	4.4	12.1
E	.0	.2	.1	2.3	.0	.6	.0	.4	.0	.3	.0	.1	.0	.0	.2	3.9	11.8
ESE	.0	.1	.1	1.7	.0	.5	.0	.5	.0	.4	.0	.0	.0	.0	.2	3.3	12.4
SE	.0	.3	.1	2.5	.1	1.3	.1	1.3	.0	.6	.0	.2	.0	.0	.4	6.1	13.4
SSE	.0	.1	.1	2.2	.1	1.4	.1	1.2	.1	1.6	.0	.4	.0	.0	.4	7.0	15.6
S	.0	.1	.2	3.3	.1	2.0	.1	2.3	.2	2.7	.0	.8	.0	.1	.7	11.4	15.9
SSW	.0	.1	.1	2.2	.1	1.2	.1	1.2	.1	1.3	.0	.4	.0	.2	.4	6.6	15.8
SW	.0	.1	.1	1.2	.0	.4	.0	.3	.0	.5	.0	.1	.0	.1	.2	2.8	14.3
WSW	.0	.0	.0	.5	.0	.2	.0	.3	.0	.3	.0	.2	.0	.4	.1	1.9	20.6
W	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.4	.0	.4	.1	1.3	22.3
WNW	.0	.0	.0	.6	.0	.1	.0	.1	.0	.0	.0	.1	.0	.2	.1	1.2	17.6
NW	.0	.1	.0	.8	.0	.3	.0	.1	.0	.1	.0	.2	.0	.0	.1	1.5	13.1
NNW	.0	.2	.1	1.7	.0	.8	.1	.9	.1	1.0	.0	.5	.0	.2	.3	5.2	16.1
CALM	.0	.8													.0	.8	
TOTAL	.2	2.8	1.9	32.6	1.0	17.9	1.0	17.7	1.0	18.1	.5	8.1	.2	2.9	5.7	100	15.7

AMA AMARILLO, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 23047

NO. OBS.: 2234

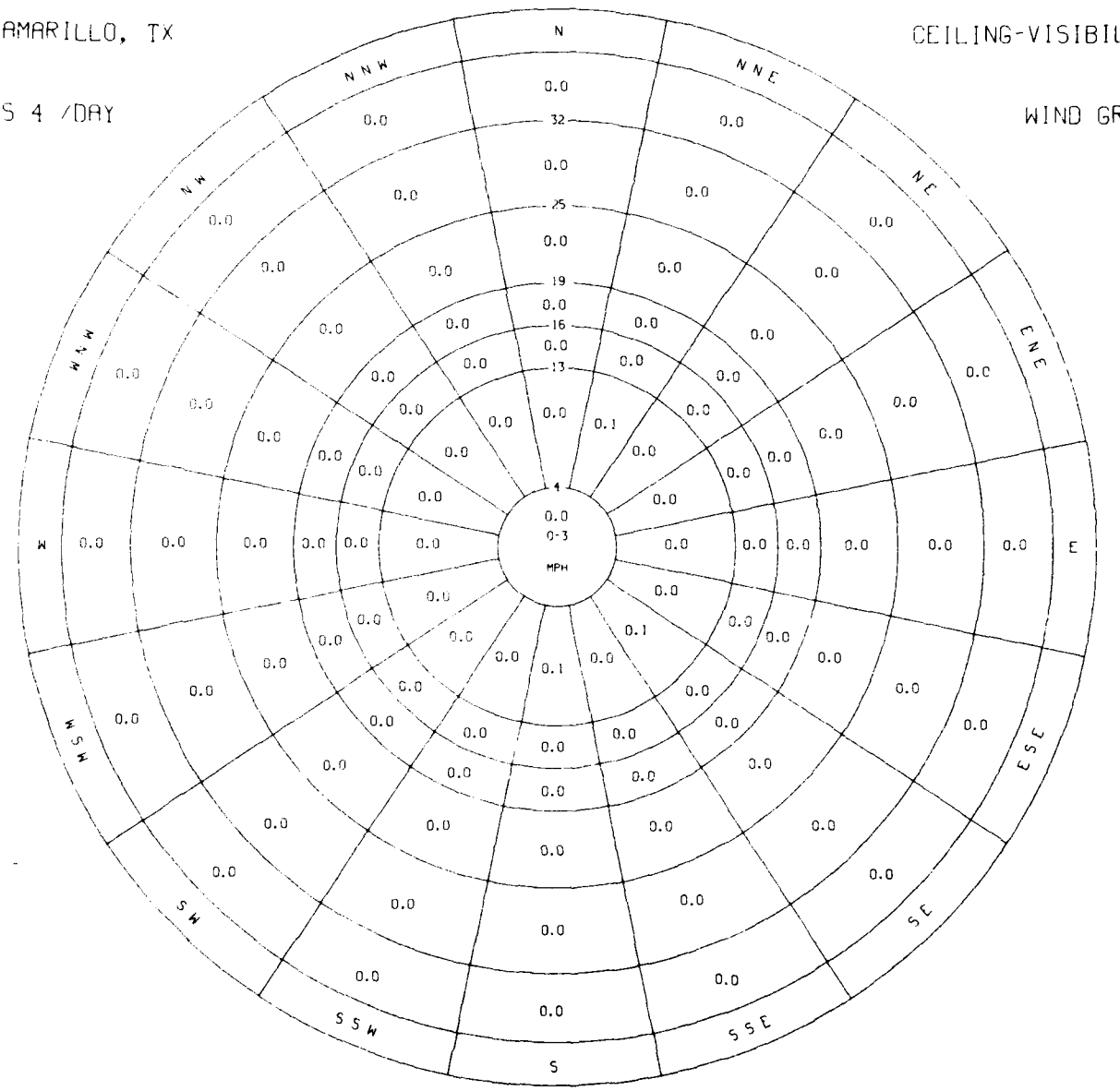
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.0	.1	.2	3.4	.2	2.9	.2	3.4	.3	4.9	.1	2.5	.0	.6			1.0	17.8	18.3
NNE	.0	.1	.2	3.3	.2	2.9	.3	4.5	.3	4.9	.1	1.9	.0	.4			1.0	17.9	17.7
NE	.0	.4	.2	2.7	.1	1.8	.1	1.1	.1	1.4	.0	.2	.0	.0			.4	7.6	13.9
ENE	.0	.1	.1	2.1	.0	.6	.0	.7	.0	.3	.0	.1	.0	.0			.2	3.9	12.1
E	.0	.2	.1	2.3	.0	.6	.0	.5	.0	.2	.0	.0	.0	.0			.2	3.8	11.0
ESE	.0	.1	.1	1.5	.1	.9	.0	.4	.0	.6	.0	.0	.0	.0			.2	3.5	13.1
SE	.0	.0	.2	3.2	.1	1.6	.0	.6	.1	1.2	.0	.1	.0	.0			.4	6.8	13.4
SSE	.0	.0	.1	1.9	.1	1.6	.1	1.3	.0	.8	.0	.4	.0	.0			.3	6.0	15.3
S	.0	.3	.2	3.1	.1	2.1	.1	2.2	.1	2.3	.0	.4	.0	.0			.6	10.5	15.1
SSW	.0	.1	.1	1.7	.1	1.7	.1	1.3	.1	1.6	.0	.4	.0	.0			.4	6.7	15.9
SW	.0	.0	.1	1.3	.0	.7	.0	.5	.1	1.1	.0	.0	.0	.0			.2	3.8	14.9
WSW	.0	.2	.0	.8	.0	.1	.0	.2	.0	.1	.0	.0	.0	.1			.1	1.4	11.9
W	.0	.2	.0	.7	.0	.1	.0	.0	.0	.1	.0	.1	.0	.1			.1	1.4	13.0
WNW	.0	.0	.0	.4	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0			.0	.9	11.9
NW	.0	.2	.1	1.2	.0	.2	.0	.5	.0	.3	.0	.3	.0	.0			.2	2.7	13.5
NNW	.0	.1	.1	1.2	.0	.7	.0	.4	.1	.9	.0	.6	.0	.4			.2	4.4	18.2
CALM	.0	.8															.0	.8	
TOTAL	.2	3.1	1.7	30.7	1.1	18.9	1.0	17.7	1.2	20.8	.4	7.1	.1	1.7			5.7	100	15.5

AMA AMARILLO, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 23047

NO. OBS.: 603

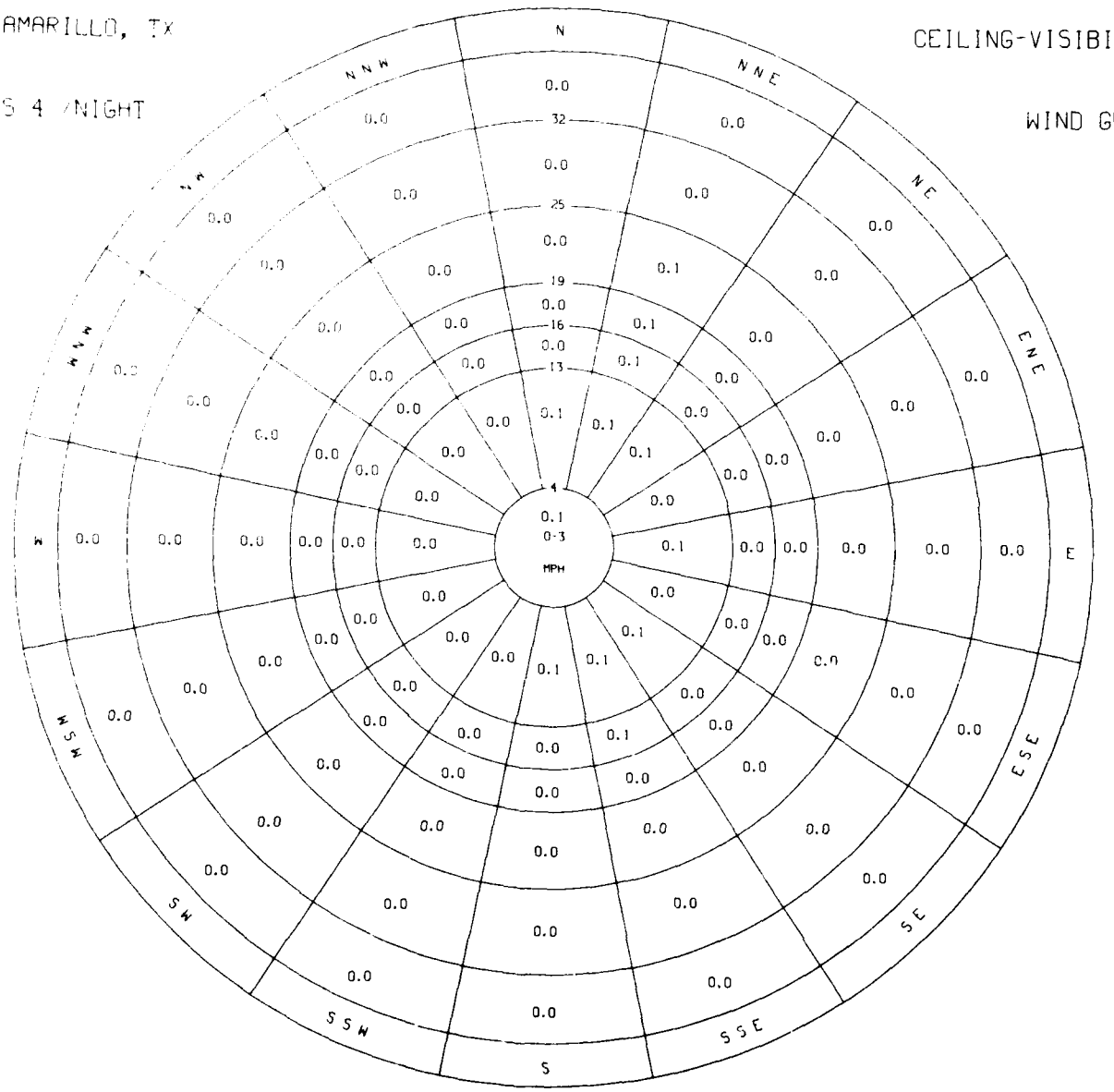
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.5	.0	3.2	.0	2.0	.0	3.0	.0	2.2	.0	1.2	.2	13.9	19.2
NNE	.0	.3	.1	4.5	.0	1.8	.0	3.5	.0	3.2	.0	1.5	.0	.2	.2	14.9	16.4
NE	.0	.2	.0	2.5	.0	1.8	.0	1.3	.0	.3	.0	.7	.0	.3	.1	7.1	15.0
ENE	.0	.3	.0	2.0	.0	1.2	.0	.5	.0	.3	.0	.0	.0	.0	.1	4.3	11.5
E	.0	.2	.0	3.3	.0	1.2	.0	.7	.0	.8	.0	.0	.0	.0	.1	6.1	12.4
ESE	.0	.2	.0	2.7	.0	1.2	.0	.5	.0	.5	.0	.3	.0	.0	.1	5.3	12.8
SE	.0	.3	.1	4.3	.0	1.3	.0	1.3	.0	1.2	.0	.2	.0	.0	.1	8.6	12.6
SSE	.0	.2	.0	3.5	.0	3.2	.0	1.7	.0	.8	.0	.5	.0	.0	.1	9.8	14.1
S	.0	.0	.1	4.5	.0	3.2	.0	3.0	.0	1.7	.0	.0	.0	.0	.2	12.3	13.7
SSW	.0	.0	.0	2.7	.0	1.3	.0	.3	.0	.3	.0	.0	.0	.0	.1	4.6	11.7
SW	.0	.0	.0	1.5	.0	.2	.0	.7	.0	.2	.0	.2	.0	.0	.0	2.7	13.1
WSW	.0	.2	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.5	.0	2.0	16.8
W	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3	.0	1.3	22.5
WNW	.0	.0	.0	.2	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.5	15.0
NW	.0	.0	.0	1.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.2	.0	1.7	12.8
NNW	.0	.3	.0	1.5	.0	.5	.0	.5	.0	.2	.0	.3	.0	.7	.0	4.0	17.3
CALM	.0	.8													.0	.8	
TOTAL	.0	3.0	.5	38.1	.3	20.6	.2	16.3	.2	12.6	.1	6.1	.0	3.3	1.2	100	14.7

AMA AMARILLO, TX

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, Tx

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 23047

NO. OBS.: 696

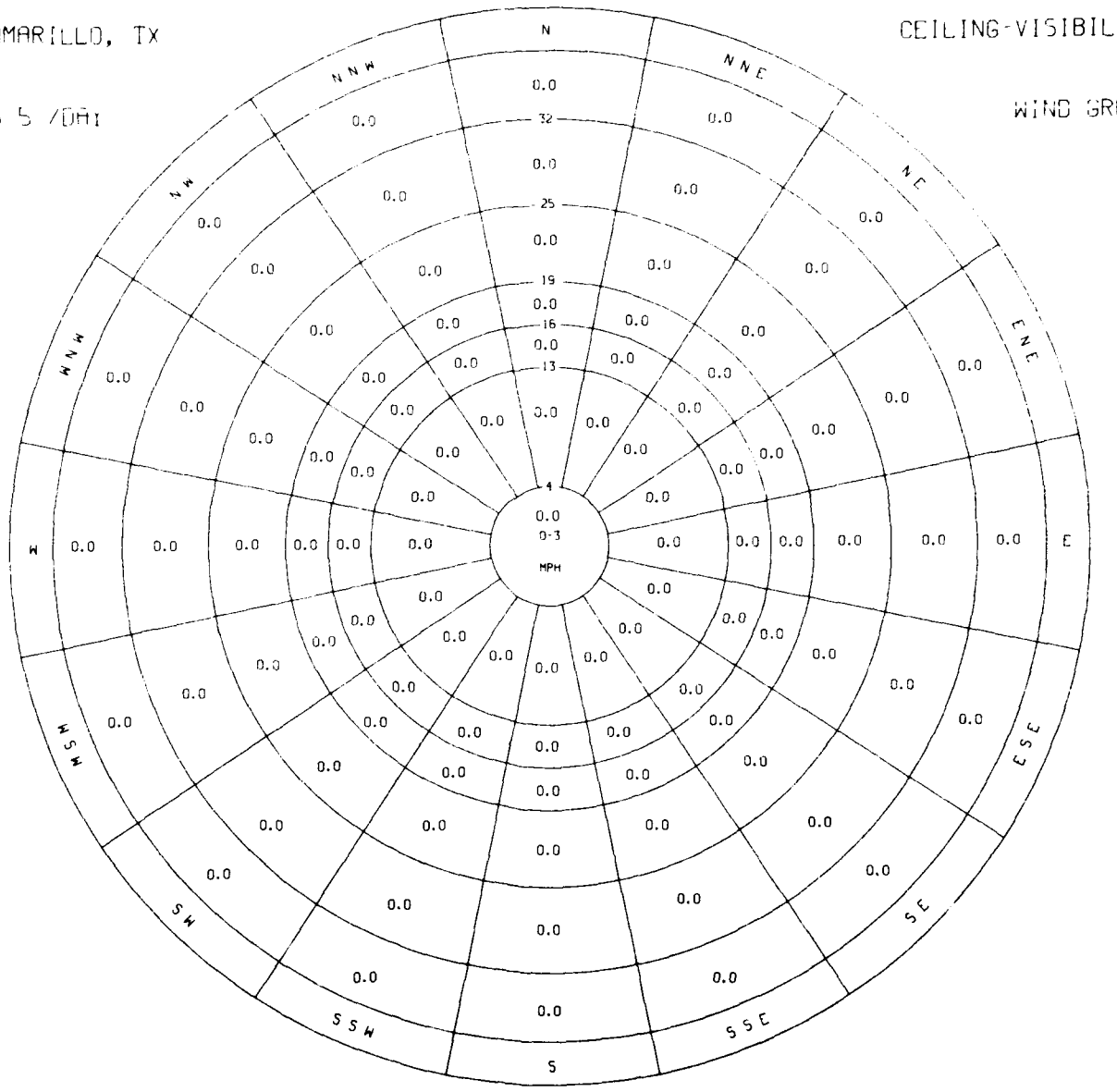
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.1	3.4	.0	1.7	.0	2.0	.0	2.3	.0	1.0	.0	.6	.2	11.2	16.9
NNE	.0	.0	.1	3.9	.1	2.9	.1	3.3	.1	3.6	.0	.7	.0	.0	.3	14.4	16.1
NE	.0	.3	.1	2.9	.0	2.6	.0	1.3	.0	.9	.0	.1	.0	.0	.1	8.0	13.1
ENE	.0	.0	.0	2.7	.0	.7	.0	.3	.0	.4	.0	.1	.0	.0	.1	4.3	12.0
E	.0	.0	.1	2.9	.0	1.4	.0	.7	.0	.6	.0	.0	.0	.0	.1	5.6	12.5
ESE	.0	.1	.0	2.6	.0	1.3	.0	.4	.0	.6	.0	.3	.0	.0	.1	5.3	12.8
SE	.0	.0	.1	3.9	.0	2.2	.0	1.1	.0	1.3	.0	.3	.0	.0	.2	8.8	14.0
SSE	.0	.1	.1	4.6	.1	2.9	.0	2.6	.0	2.2	.0	.6	.0	.0	.2	12.9	14.6
S	.0	.0	.1	5.2	.0	2.4	.0	2.4	.0	1.1	.0	.3	.0	.0	.2	11.5	13.6
SSW	.0	.1	.0	2.4	.0	.9	.0	1.6	.0	1.0	.0	.0	.0	.0	.1	6.0	13.9
SW	.0	.1	.0	.7	.0	.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	2.0	12.1
WSW	.0	.1	.0	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.1	10.6
W	.0	.0	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.4
WNW	.0	.0	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.9	9.3
NW	.0	.0	.0	1.3	.0	.1	.0	.1	.0	.0	.0	.3	.0	.3	.0	2.2	16.3
NNW	.0	.0	.0	1.9	.0	.3	.0	.1	.0	.0	.0	.1	.0	.4	.1	2.9	15.0
CALM	.0	2.2													.0	2.2	
TOTAL	.1	3.3	.7	40.4	.4	20.4	.3	16.7	.2	14.1	.1	3.9	.0	1.3	1.8	100	14.0

AMA AMARILLO, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] AMARILLO, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: [illegible]

NO. OBS.: 245

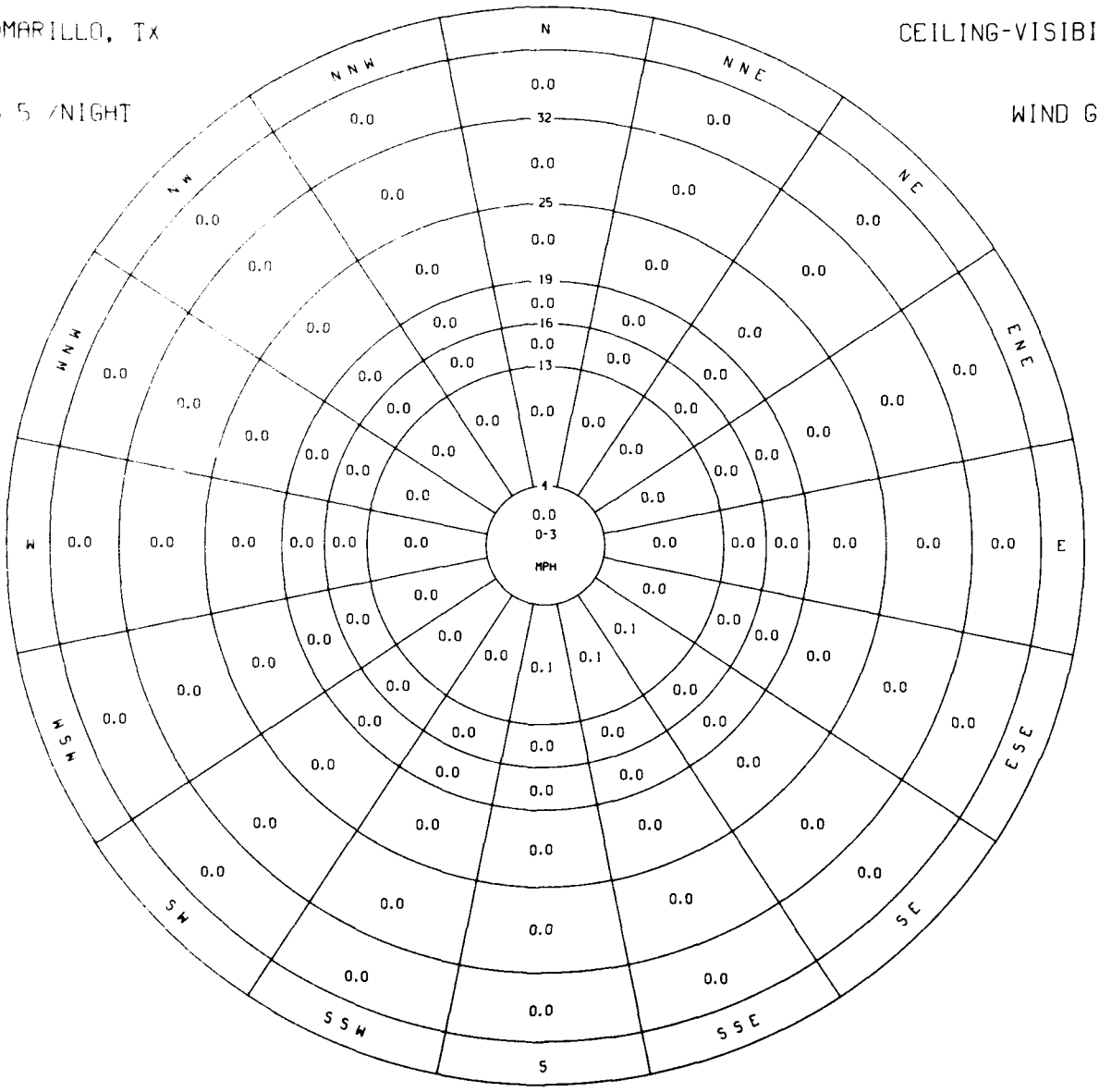
WIND DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.0	.0	1.6	.0	2.4	.0	1.2	.0	1.2	.0	.4	.0	.4	.0	7.3	16.6
NNE	.0	.0	.0	4.5	.0	1.2	.0	1.6	.0	2.9	.0	2.9	.0	.4	.1	13.5	17.8
NE	.0	.0	.0	4.1	.0	.8	.0	1.6	.0	1.2	.0	.4	.0	.0	.0	8.2	13.9
ENE	.0	.0	.0	1.6	.0	1.2	.0	.4	.0	.8	.0	.4	.0	.0	.0	4.5	14.5
E	.0	.0	.0	2.0	.0	.4	.0	.0	.0	1.2	.0	.0	.0	.0	.0	3.7	13.9
ESE	.0	.4	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	3.7	13.0
SE	.0	.0	.0	7.3	.0	4.1	.0	3.3	.0	1.6	.0	.4	.0	.0	.1	16.7	13.6
SSE	.0	.0	.0	6.1	.0	3.7	.0	1.6	.0	2.0	.0	.0	.0	.0	.1	13.5	13.6
S	.0	.0	.0	5.7	.0	2.4	.0	3.7	.0	1.6	.0	.8	.0	.0	.1	14.3	14.7
SSW	.0	.0	.0	2.0	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	3.7	13.1
SW	.0	.0	.0	.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	1.2	10.3
WSW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.0
W	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	1.2	19.0
WNW	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.3
NW	.0	.0	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	1.6	15.5
NNW	.0	.8	.0	.8	.0	.0	.0	.4	.0	.0	.0	.4	.0	1.6	.0	4.1	24.9
CALM	.0	1.2													.0	1.2	
TOTAL	.0	2.9	.2	40.8	.1	18.4	.1	15.1	.1	13.1	.0	6.5	.0	3.3	.5	100	14.8

AMA AMARILLO, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 23047

NO. OBS.: 391

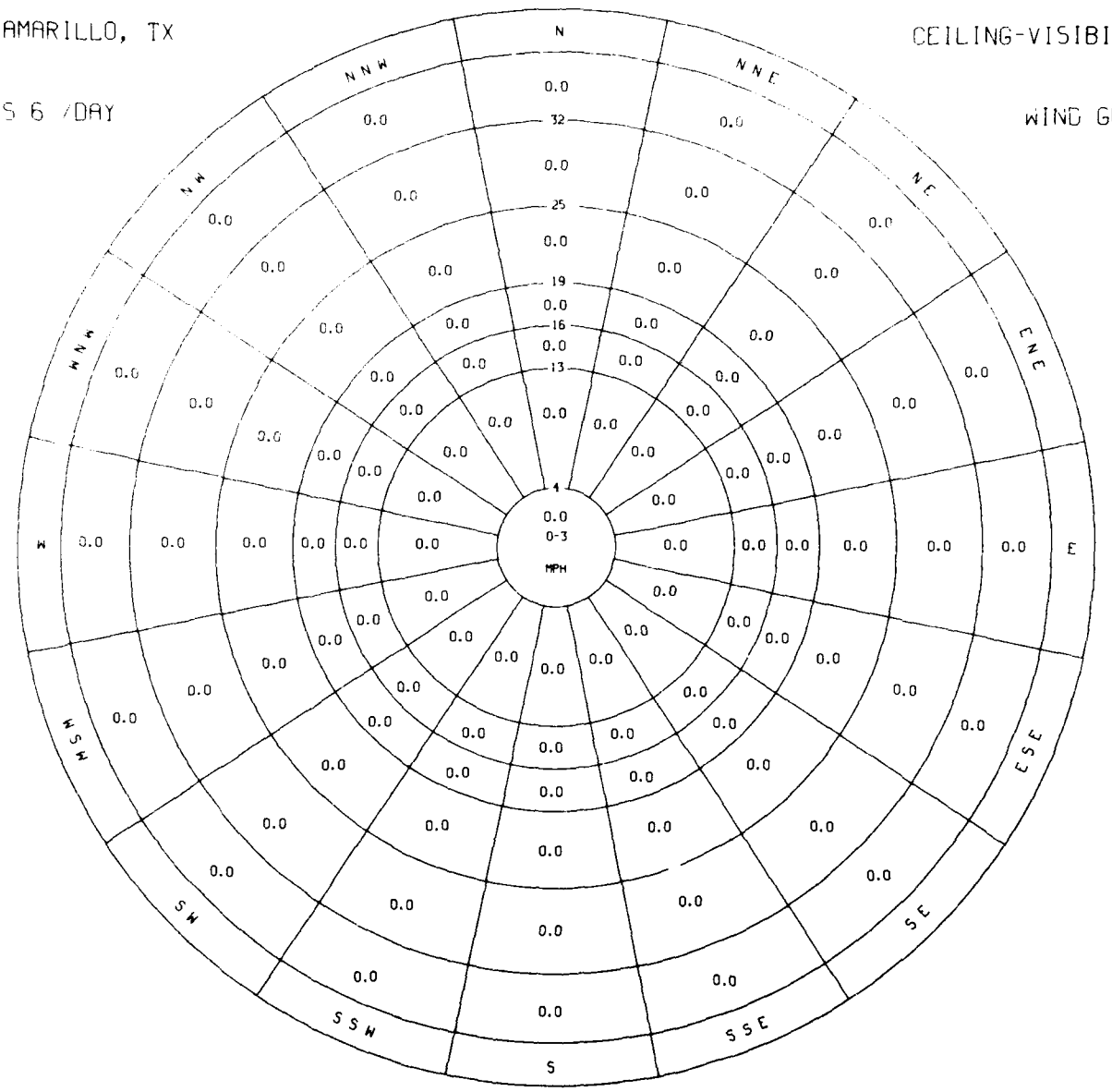
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.1	.0	2.0	.0	1.0	.0	1.0	.0	.3	.0	.3	.1	8.7	14.0
NNE	.0	.3	.0	3.6	.0	1.0	.0	2.0	.0	1.5	.0	.5	.0	.5	.1	9.5	15.4
NE	.0	.0	.0	3.1	.0	2.6	.0	1.0	.0	.3	.0	.5	.0	.3	.1	7.7	13.8
ENE	.0	.0	.0	1.8	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.1	12.1
E	.0	.3	.0	3.1	.0	.8	.0	.3	.0	.3	.0	.0	.0	.0	.0	4.6	10.5
ESE	.0	.0	.0	3.8	.0	1.0	.0	.5	.0	.0	.0	.5	.0	.0	.1	5.9	11.4
SE	.0	.5	.1	5.1	.0	3.3	.0	2.3	.0	.8	.0	.5	.0	.0	.1	12.5	13.1
SSE	.0	.0	.1	6.1	.0	3.8	.0	3.1	.0	1.5	.0	.3	.0	.3	.2	15.1	13.7
S	.0	.3	.1	8.7	.0	3.1	.0	1.5	.0	1.8	.0	.3	.0	.0	.2	15.6	12.6
SSW	.0	.0	.0	1.3	.0	1.0	.0	.5	.0	.5	.0	.3	.0	.0	.0	3.6	14.3
SW	.0	.0	.0	2.3	.0	.5	.0	.3	.0	.5	.0	.0	.0	.0	.0	3.6	11.1
WSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	8.0
W	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.4
WNW	.0	.0	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	10.0
NW	.0	.3	.0	2.6	.0	.5	.0	.0	.0	.0	.0	.3	.0	.0	.0	3.6	10.7
NNW	.0	.3	.0	.5	.0	.5	.0	.0	.0	.5	.0	.0	.0	.5	.0	2.3	18.6
CALM	.0	1.3													.0	1.3	
TOTAL	.0	3.1	.5	48.6	.2	21.5	.1	13.0	.1	8.7	.0	3.3	.0	1.8	1.0	100	12.9

AMA AMARILLO, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 23047

NO. OBS.: 212

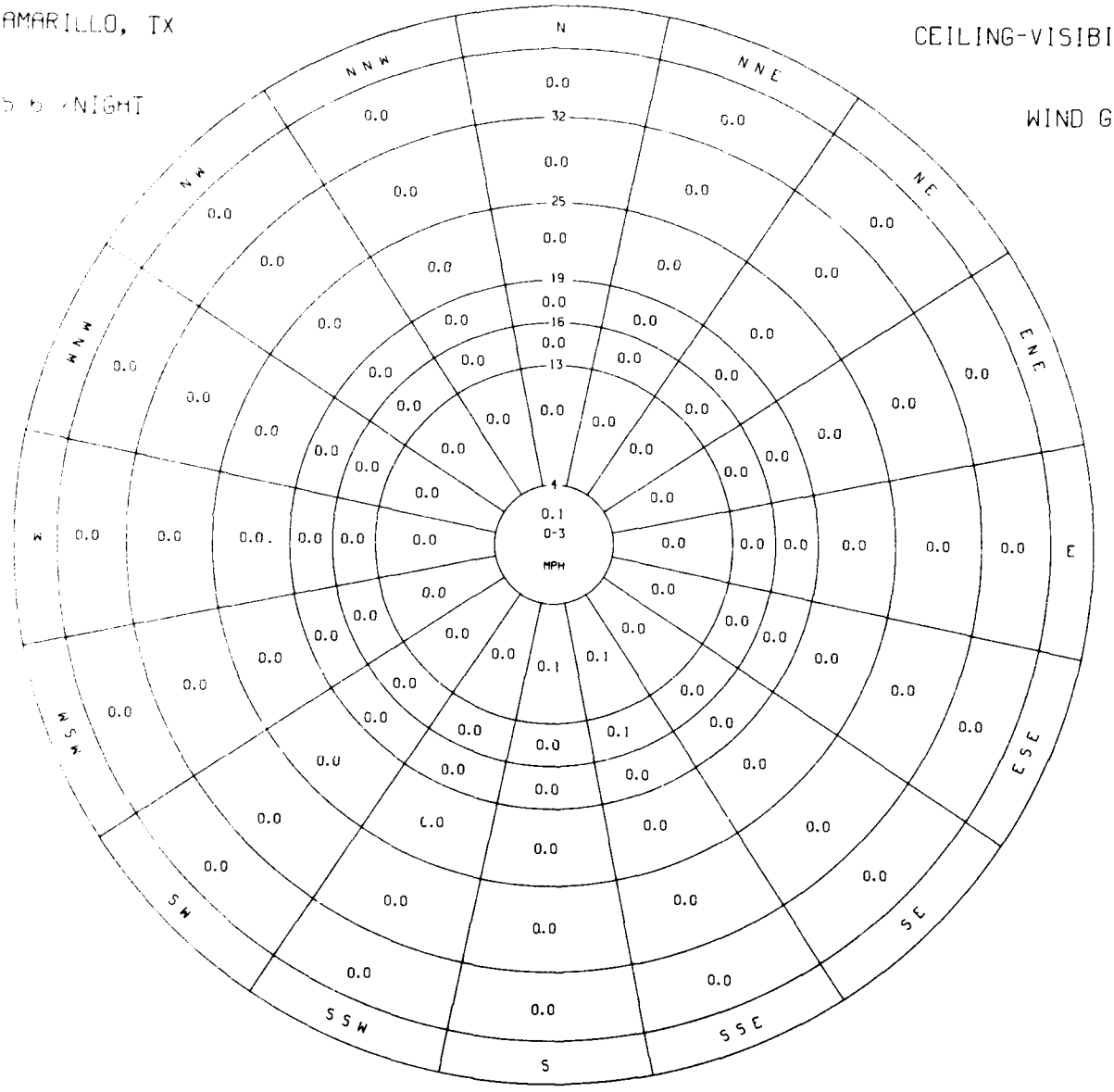
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.2	.0	2.4	.0	.9	.0	1.9	.0	.0	.0	.9	.0	10.4	15.5
NNE	.0	.0	.0	1.4	.0	.9	.0	.9	.0	.0	.0	.9	.0	.9	.0	5.2	20.6
NE	.0	.0	.0	.9	.0	.5	.0	.9	.0	.9	.0	.0	.0	.0	.0	3.3	15.3
ENE	.0	.0	.0	1.4	.0	.9	.0	1.4	.0	.5	.0	.0	.0	.0	.0	4.2	13.9
E	.0	.0	.0	1.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	11.2
ESE	.0	.5	.0	1.4	.0	1.4	.0	.0	.0	.9	.0	.9	.0	.0	.0	5.2	14.7
SE	.0	.0	.0	6.1	.0	3.8	.0	2.4	.0	.5	.0	.0	.0	.0	.1	12.7	12.9
SSE	.0	.5	.0	3.3	.0	3.8	.0	4.7	.0	3.8	.0	.5	.0	.0	.1	16.5	15.6
S	.0	.5	.0	5.2	.0	2.4	.0	6.1	.0	1.9	.0	.0	.0	.0	.1	16.0	14.3
SSW	.0	.0	.0	2.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	10.5
SW	.0	.5	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	2.8	12.5
WSW	.0	.0	.0	.9	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.9	10.7
W	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.0
WNW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	9.7
NW	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.3
NNW	.0	.0	.0	2.4	.0	1.9	.0	.0	.0	.5	.0	.5	.0	2.8	.0	8.0	24.6
CALM	.0	1.4													.0	1.4	
TOTAL	.0	4.2	.2	38.7	.1	20.3	.1	17.9	.0	10.8	.0	3.3	.0	4.7	.4	100	14.6

AMA AMARILLO, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AMA AMARILLO, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 23047

NO. OBS.: 328

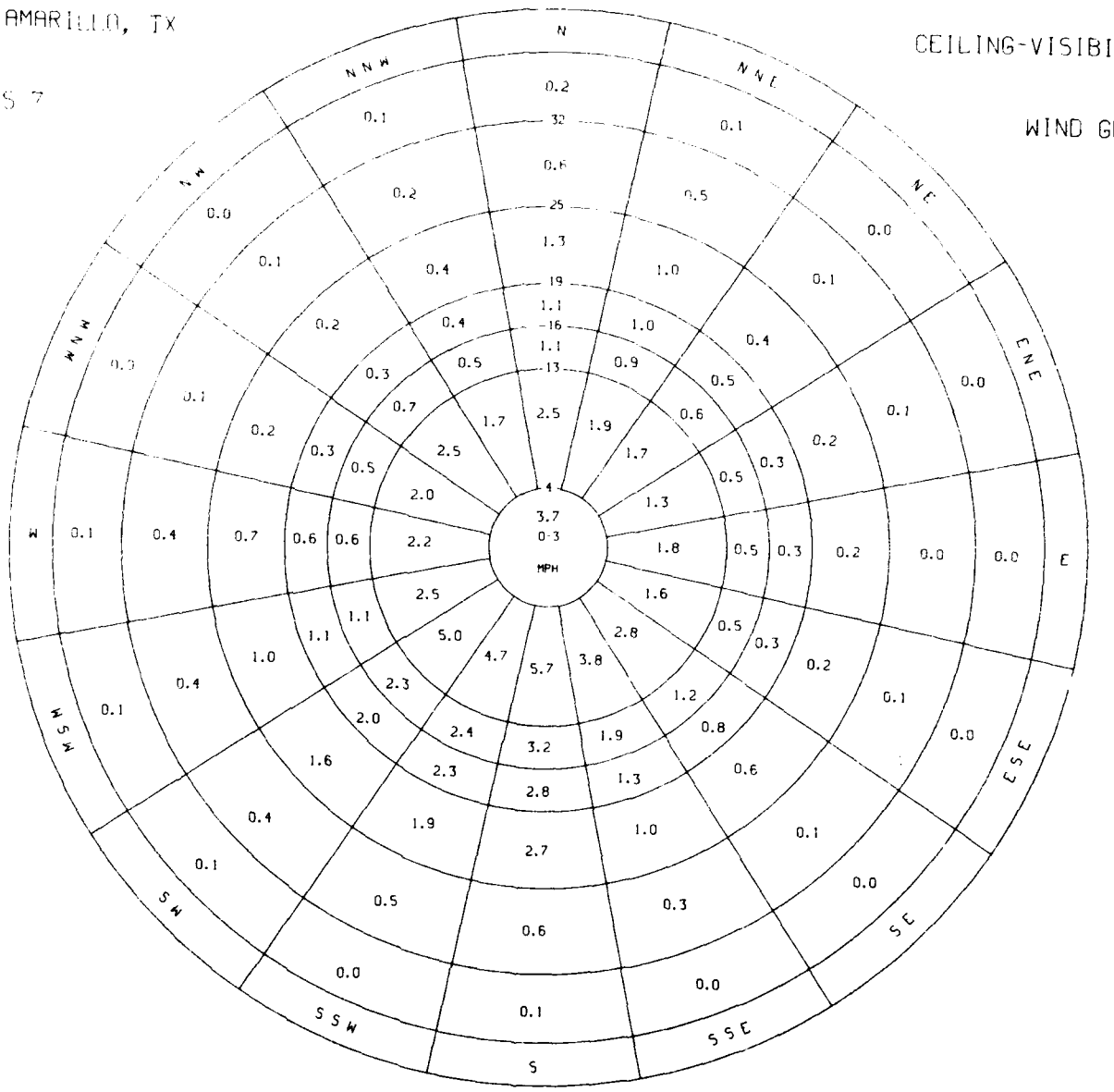
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.6	.0	1.5	.0	.9	.0	.6	.0	.3	.0	.3	.1	8.2	13.1
NNE	.0	.3	.0	2.4	.0	.3	.0	2.1	.0	.9	.0	.0	.0	.0	.1	6.1	13.4
NE	.0	.9	.0	3.4	.0	.6	.0	.9	.0	.0	.0	.0	.0	.3	.1	6.1	10.3
ENE	.0	.0	.0	1.2	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.4	11.3
E	.0	.3	.0	3.4	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	4.6	10.3
ESE	.0	.0	.0	.9	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	2.1	14.9
SE	.0	.3	.0	3.0	.0	3.4	.0	1.2	.0	.6	.0	.3	.0	.0	.1	8.8	13.5
SSE	.0	.0	.1	6.7	.1	6.7	.0	3.7	.0	5.2	.0	.3	.0	.0	.2	22.6	14.8
S	.0	.9	.1	6.4	.0	4.0	.0	4.9	.0	2.1	.0	.0	.0	.0	.2	18.3	13.5
SSW	.0	.0	.0	3.4	.0	1.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	5.8	11.2
SW	.0	.3	.0	3.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	8.3
WSW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	11.0
W	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	7.3
WNW	.0	.3	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.3
NW	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	10.3
NNW	.0	.6	.0	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.9	.0	3.4	17.8
CALM	.0	1.8													.0	1.8	
TOTAL	.1	6.1	.4	45.4	.2	20.1	.1	15.5	.1	10.4	.0	.9	.0	1.5	.8	100	12.6

AMA AMARILLO, TX

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

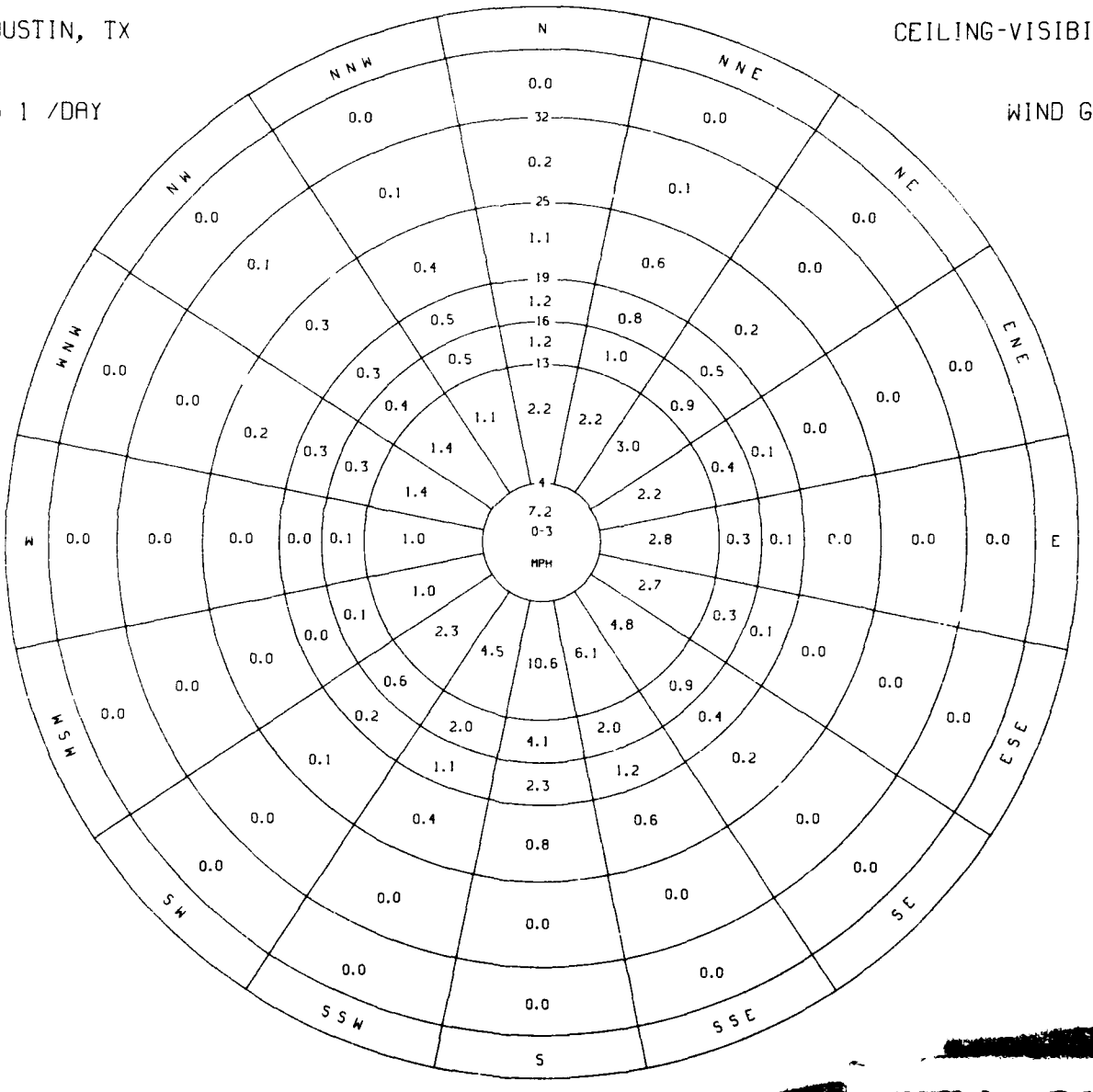


AUS AUSTIN, TX

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FI

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 13958

NO. OBS.: 41594

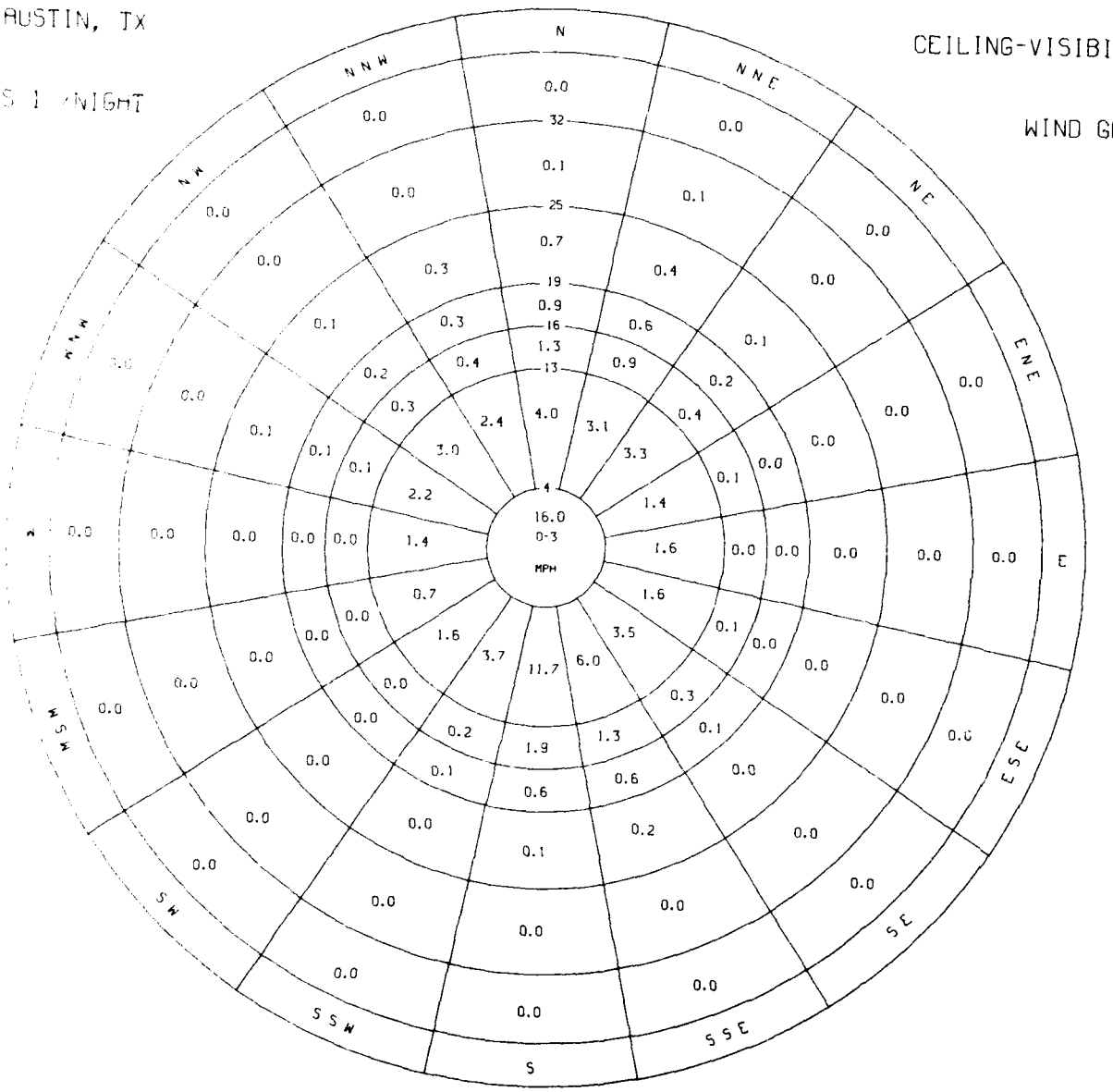
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.3	2.2	2.5	1.2	1.4	1.2	1.4	1.1	1.2	.2	.2	.0	.0	6.0	7.0	14.1
NNE	.2	.2	2.2	2.6	1.0	1.2	.8	1.0	.6	.7	.1	.1	.0	.0	5.0	5.8	12.9
NE	.2	.3	3.0	3.5	.9	1.0	.5	.6	.2	.2	.0	.0	.0	.0	4.8	5.6	10.7
ENE	.2	.2	2.2	2.5	.4	.5	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.4	9.3
E	.4	.4	2.8	3.2	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.5	4.1	8.1
ESE	.3	.4	2.7	3.1	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.5	4.0	8.5
SE	.5	.6	4.8	5.6	.9	1.1	.4	.4	.2	.2	.0	.0	.0	.0	6.8	7.9	9.4
SSE	.4	.5	6.1	7.1	2.0	2.3	1.2	1.4	.6	.7	.0	.0	.0	.0	10.3	12.0	11.1
S	.8	1.0	10.6	12.3	4.1	4.7	2.3	2.7	.8	.9	.0	.0	.0	.0	18.6	21.6	11.1
SSW	.3	.4	4.5	5.3	2.0	2.3	1.1	1.3	.4	.4	.0	.0	.0	.0	8.3	9.6	11.4
SW	.4	.5	2.3	2.7	.6	.7	.2	.3	.1	.1	.0	.0	.0	.0	3.7	4.3	9.4
WSW	.2	.2	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	7.6
W	.3	.3	1.0	1.2	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.5	1.8	7.7
WNW	.2	.2	1.4	1.6	.3	.3	.3	.3	.2	.2	.0	.0	.0	.0	2.3	2.6	10.5
NW	.2	.2	1.4	1.6	.4	.4	.3	.4	.3	.3	.1	.1	.0	.0	2.6	3.0	11.5
NNW	.1	.1	1.1	1.3	.5	.6	.5	.6	.4	.5	.1	.1	.0	.0	2.8	3.2	13.4
CALM	2.1	2.5													2.1	2.5	
TOTAL	7.2	8.4	49.2	57.3	15.0	17.5	9.2	10.6	4.8	5.6	.5	.6	.0	.0	86.0	100	10.6

AUS AUSTIN, TX

CLASS 1 (NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 13958

NO. OBS.: 31586

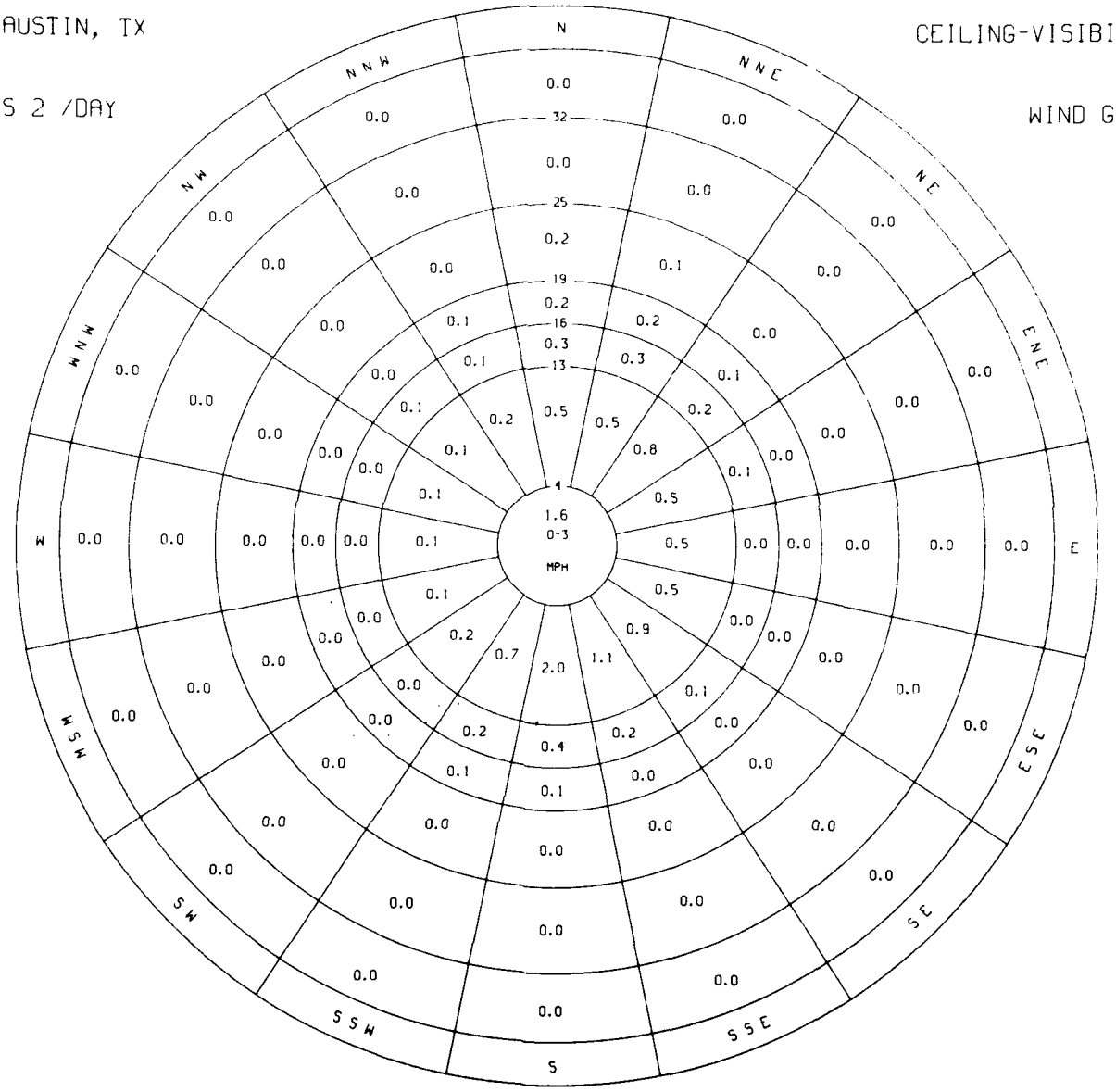
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.5	4.0	5.0	1.3	1.6	.9	1.1	.7	.8	.1	.1	.0	.0	7.4	9.2	11.7
NNE	.3	.4	3.1	3.8	.9	1.1	.6	.7	.4	.5	.1	.1	.0	.0	5.3	6.6	11.0
NE	.5	.6	3.3	4.1	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.4	5.5	8.3
ENE	.3	.4	1.4	1.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.2	6.7
E	.6	.7	1.6	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.8	6.1
ESE	.5	.6	1.6	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.8	6.4
SE	.9	1.1	3.5	4.4	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.8	6.0	7.1
SSE	.8	1.0	6.0	7.4	1.3	1.6	.6	.7	.2	.2	.0	.0	.0	.0	8.9	11.0	9.1
S	1.7	2.1	11.7	14.6	1.9	2.3	.6	.8	.1	.1	.0	.0	.0	.0	16.0	19.9	8.4
SSW	.8	1.0	3.7	4.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.8	6.0	6.9
SW	.8	1.0	1.6	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.1	5.5
WSW	.4	.5	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	5.0
W	.7	.8	1.4	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	2.6	5.5
WNW	.5	.6	2.2	2.7	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	3.0	3.7	7.6
NW	.5	.7	3.0	3.7	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	4.1	5.1	8.3
NNW	.3	.3	2.4	3.0	.4	.6	.3	.4	.3	.3	.0	.0	.0	.0	3.7	4.6	10.4
CALM	6.1	7.6													6.1	7.6	
TOTAL	16.0	19.9	51.2	63.6	7.3	9.1	3.6	4.5	2.0	2.5	.3	.3	.0	.0	80.4	100	7.8

AUS AUSTIN, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, Tx

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 13958

NO. OBS.: 6782

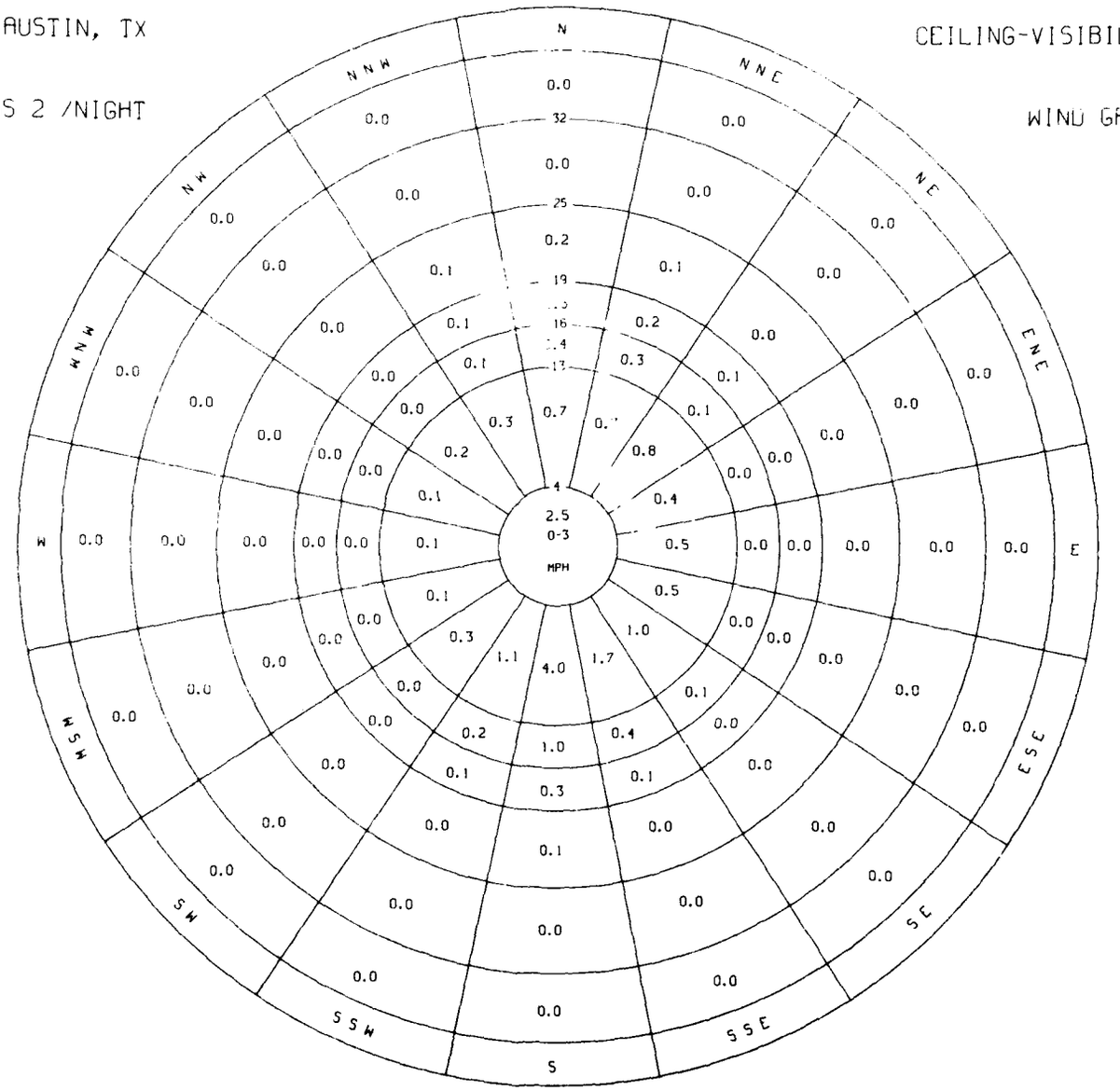
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.4	.5	3.9	.3	2.4	.2	1.8	.2	1.1	.0	.1	.0	.0	1.4	9.7	13.3
NNE	.0	.3	.5	3.8	.3	1.9	.2	1.3	.1	.6	.0	.0	.0	.0	1.1	8.0	12.4
NE	.1	.5	.8	5.7	.2	1.4	.1	.6	.0	.2	.0	.0	.0	.0	1.2	8.5	10.2
ENE	.0	.4	.5	3.4	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.6	4.4	8.7
E	.1	.6	.5	3.5	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.7	4.6	7.6
ESE	.1	.6	.5	3.6	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7	4.7	7.8
SE	.2	1.3	.9	6.4	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	1.2	8.6	7.6
SSE	.1	.9	1.1	7.9	.2	1.2	.0	.3	.0	.1	.0	.0	.0	.0	1.5	10.5	8.5
S	.2	1.3	2.0	14.3	.4	3.0	.1	1.0	.0	.3	.0	.0	.0	.0	2.8	19.9	9.3
SSW	.1	.4	.7	5.1	.2	1.3	.1	.5	.0	.1	.0	.0	.0	.0	1.0	7.4	10.0
SW	.0	.3	.2	1.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	8.3
WSW	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.8
W	.0	.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	6.8
WNW	.0	.1	.1	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.0	9.8
NW	.0	.1	.1	1.0	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	1.9	11.2
NNW	.0	.1	.2	1.6	.1	.8	.1	.5	.0	.3	.0	.1	.0	.0	.5	3.4	12.6
CALM	.5	3.4													.5	3.4	
TOTAL	1.6	11.1	8.9	63.7	2.0	14.5	1.0	7.0	.4	3.2	.1	.4	.0	.1	14.0	100	9.4

AUS AUSTIN, TX

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUSTIN, TX

PERIOD: 1949-1976

CLASS 2 / NIGHT

STATION NUMBER: 13958

NO. OBS.: 7676

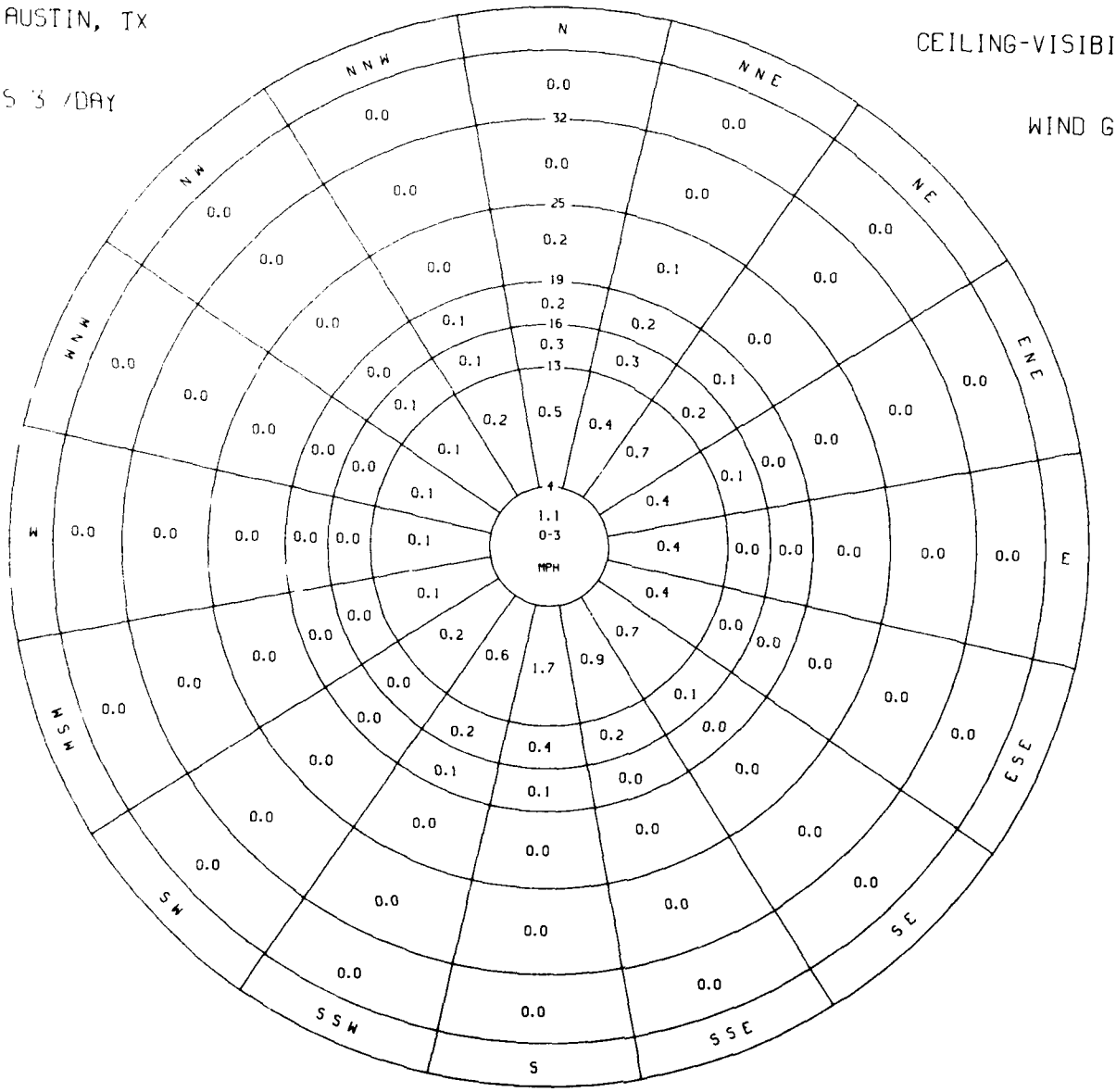
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.1	.4	.7	3.8	.4	1.8	.3	1.3	.2	.9	.0	.2	.0	.0	1.7	8.4	12.9
NNE	.1	.4	.7	3.7	.3	1.4	.2	.9	.1	.3	.0	.1	.0	.0	1.3	6.8	11.4
NE	.1	.5	.8	4.1	.1	.6	.1	.3	.0	.1	.0	.0	.0	.0	1.1	5.5	6.9
ENE	.1	.3	.4	1.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.3	7.6
E	.1	.7	.5	2.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.2	6.8
ESE	.1	.7	.5	2.7	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.7	3.7	7.2
SE	.2	1.0	1.0	5.1	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	1.4	6.9	7.6
SSE	.2	.8	1.7	8.6	.4	1.9	.1	.8	.0	.2	.0	.0	.0	.0	2.4	12.2	9.6
S	.4	1.8	4.0	20.7	1.0	5.3	.3	1.6	.1	.3	.0	.0	.0	.0	5.8	29.7	9.6
SSW	.1	.4	1.1	5.5	.2	1.2	.1	.5	.0	.1	.0	.0	.0	.0	1.5	7.7	9.7
SW	.1	.6	.3	1.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.3	6.9
WSW	.0	.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	5.9
W	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	6.3
WNW	.0	.1	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.0	8.4
NW	.0	.2	.2	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.7	9.5
NNW	.0	.2	.3	1.5	.1	.4	.1	.5	.1	.3	.0	.0	.0	.0	.6	2.9	11.9
CALM	.8	4.2													.8	4.2	
TOTAL	2.5	12.7	12.5	64.0	2.7	14.0	1.2	6.3	.5	2.5	.1	.4	.0	.1	19.6	100	9.1

AUS AUSTIN, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1979

CLASS 3 / DAY

STATION NUMBER: 13958

NO. OBS.: 5685

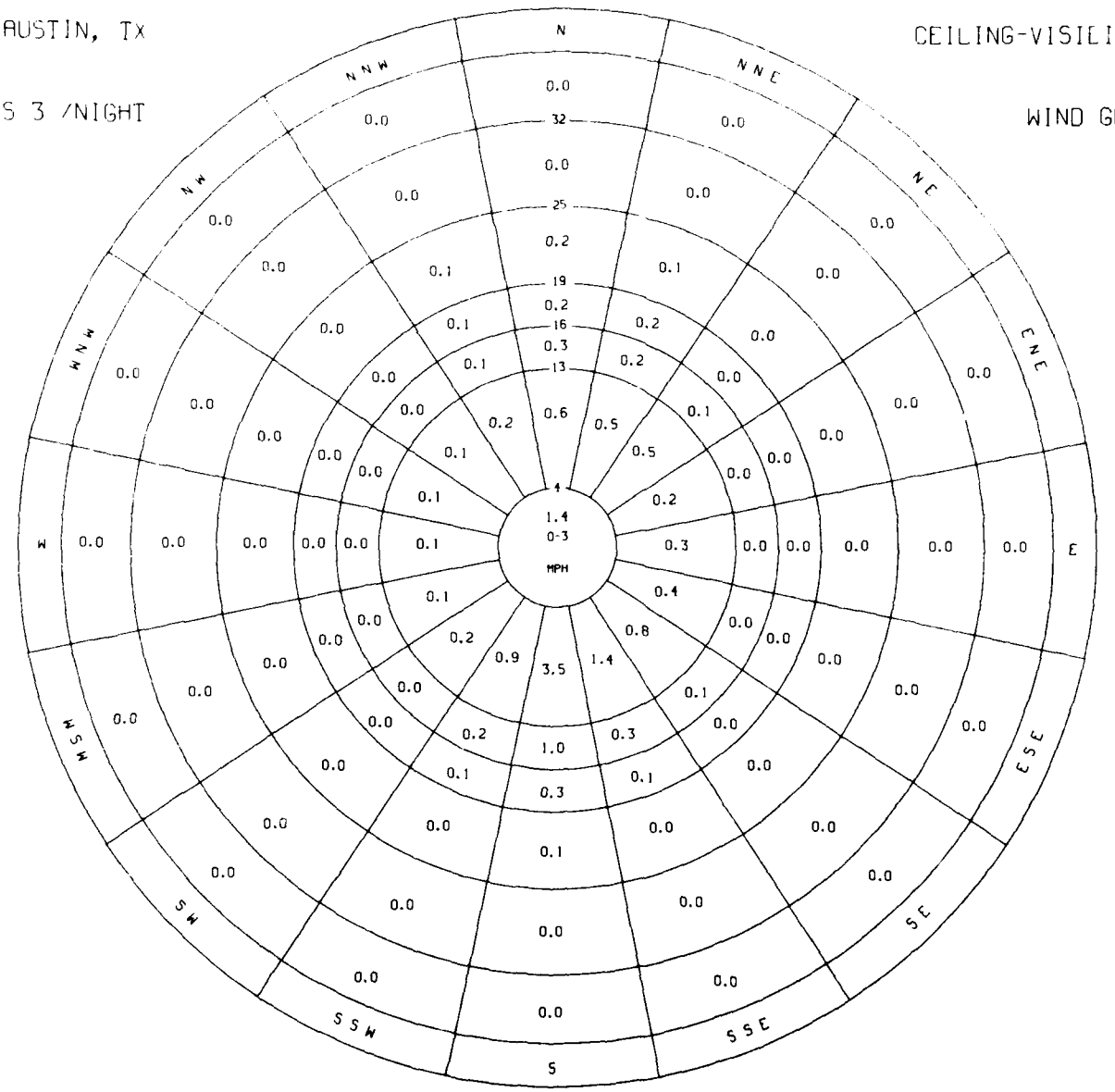
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.5	4.0	.3	2.6	.2	2.0	.2	1.3	.0	.2	.0	.1	1.2	10.4	13.7
NNE	.0	.2	.4	3.8	.3	2.1	.2	1.5	.1	.7	.0	.1	.0	.1	1.0	8.5	12.7
NE	.1	.4	.7	5.6	.2	1.4	.1	.7	.0	.2	.0	.0	.0	.0	1.0	8.4	10.4
ENE	.0	.4	.4	3.2	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.5	4.4	8.9
E	.1	.6	.4	3.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	4.4	7.9
ESE	.1	.5	.4	3.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	4.2	8.0
SE	.1	1.1	.7	5.9	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.9	8.1	7.9
SSE	.1	.9	.9	7.8	.2	1.3	.0	.4	.0	.1	.0	.0	.0	.0	1.2	10.4	8.9
S	.1	1.2	1.7	14.5	.4	3.5	.1	1.2	.0	.4	.0	.0	.0	.0	2.4	20.8	9.7
SSW	.0	.3	.6	5.2	.2	1.5	.1	.5	.0	.1	.0	.0	.0	.0	.9	7.7	10.3
SW	.0	.3	.2	1.7	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.4	8.7
WSW	.0	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	7.2
W	.0	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	7.5
WNW	.0	.1	.1	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	.9	10.1
NW	.0	.1	.1	.9	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.9	11.7
NNW	.0	.1	.2	1.7	.1	.9	.1	.6	.0	.3	.0	.1	.0	.0	.4	3.8	12.9
CALM	.3	2.4													.3	2.4	
TOTAL	1.1	9.1	7.3	62.4	1.9	16.2	.9	8.0	.4	3.6	.1	.4	.0	.2	11.8	100	9.9

AUS AUSTIN, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 13958

NO. OBS.: 6108

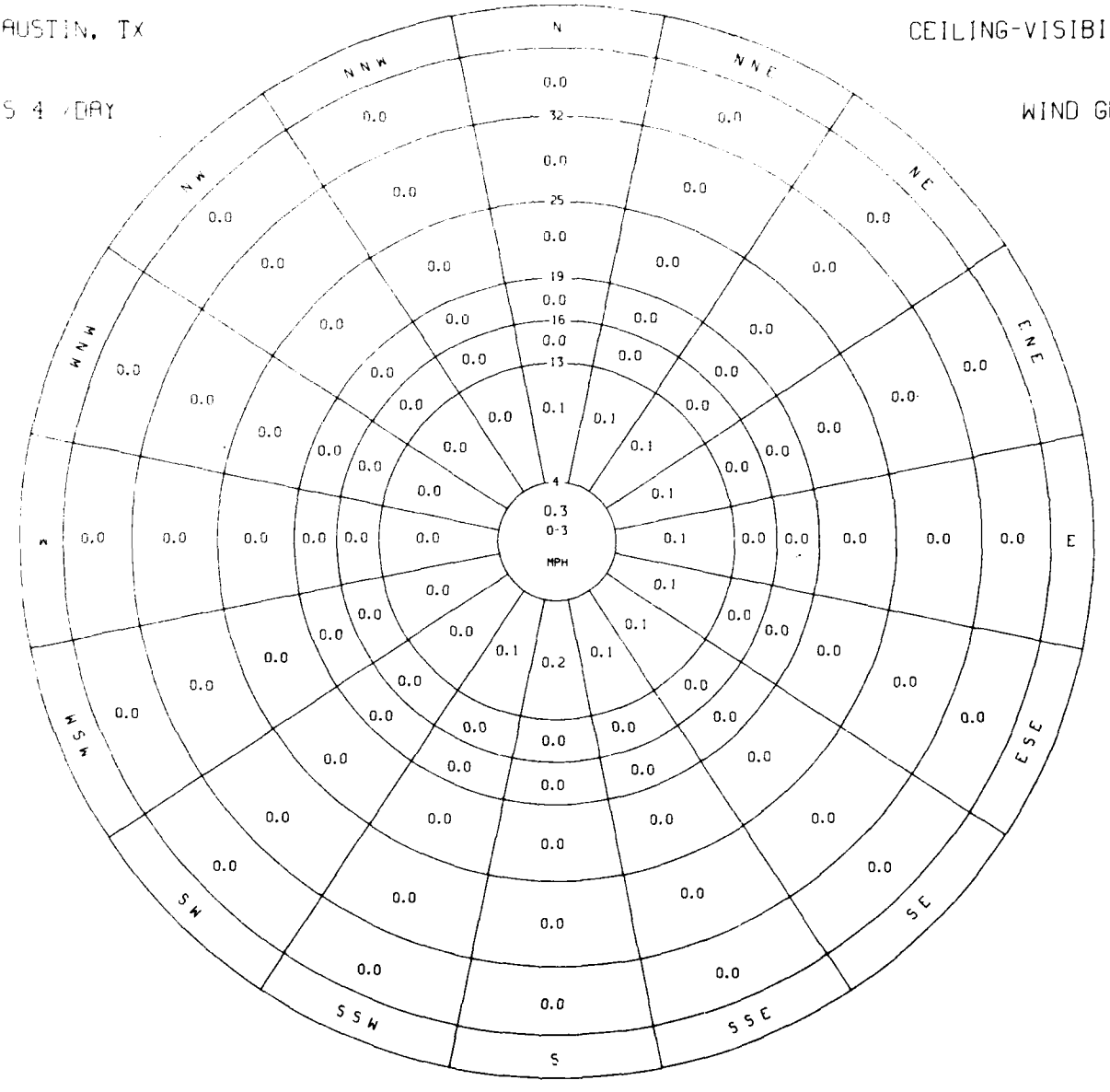
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.6	3.7	.3	2.1	.2	1.5	.2	1.2	.0	.3	.0	.0	1.4	9.1	13.5
NNE	.0	.1	.5	3.3	.2	1.5	.2	1.1	.1	.4	.0	.1	.0	.0	1.0	6.6	12.2
NE	.1	.3	.5	3.3	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.7	4.6	9.5
ENE	.0	.2	.2	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.9	7.7
E	.1	.5	.3	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.6	7.3
ESE	.1	.5	.4	2.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.3	7.2
SE	.1	.8	.8	4.9	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	1.0	6.6	7.8
SSE	.1	.6	1.4	8.9	.3	2.2	.1	.9	.0	.2	.0	.0	.0	.0	2.0	12.9	10.0
S	.2	1.4	3.5	22.7	1.0	6.3	.3	2.0	.1	.4	.0	.0	.0	.0	5.1	32.8	10.0
SSW	.0	.3	.9	5.5	.2	1.4	.1	.6	.0	.1	.0	.0	.0	.0	1.2	7.9	10.1
SW	.1	.4	.2	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.1	7.3
WSW	.0	.1	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	6.5
W	.0	.2	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	6.3
WNW	.0	.1	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	9.2
NW	.0	.2	.1	.9	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3	1.6	10.4
NNW	.0	.1	.2	1.5	.1	.5	.1	.6	.1	.3	.0	.0	.0	.0	.5	3.1	12.6
CALM	.4	2.7													.4	2.7	
TOTAL	1.4	8.9	9.9	63.9	2.5	16.2	1.2	7.6	.5	2.9	.1	.4	.0	.1	15.6	100	9.8

AUS AUSTIN, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 13958

NO. OBS.: 752

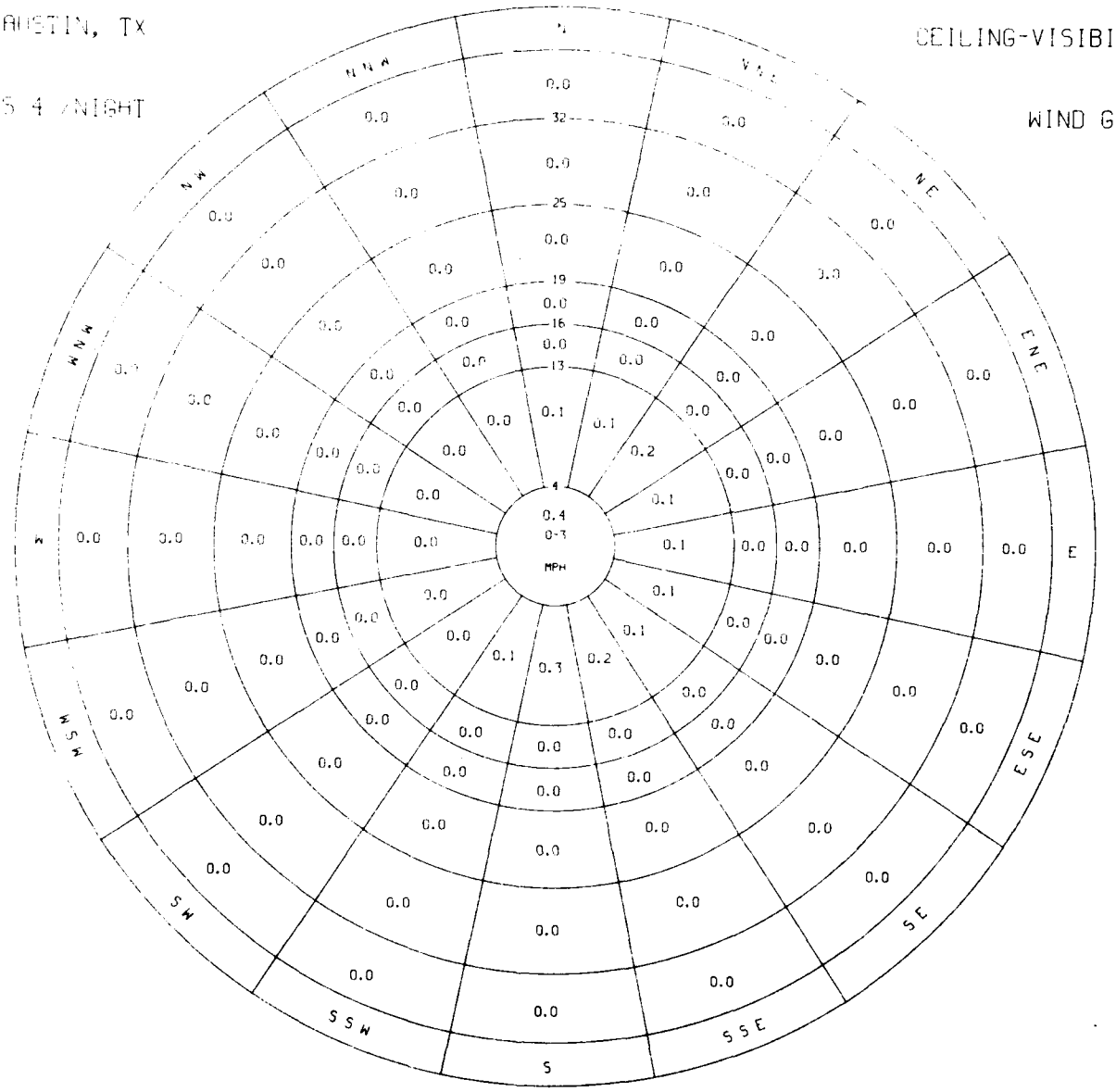
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.1	3.7	.0	1.7	.0	.7	.0	.3	.0	.1	.0	.0	.1	8.0	10.3
NNE	.0	.7	.1	5.2	.0	1.3	.0	.1	.0	.3	.0	.0	.0	.0	.1	7.6	9.6
NE	.0	.7	.1	6.6	.0	1.3	.0	.3	.0	.0	.0	.1	.0	.0	.1	9.0	9.1
ENE	.0	.1	.1	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	8.1
E	.0	.8	.1	5.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.5	6.8
ESE	.0	.4	.1	6.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.5	7.3
SE	.0	1.2	.1	9.2	.0	.4	.0	.4	.0	.0	.0	.0	.0	.1	.2	11.3	7.4
SSE	.0	.7	.1	9.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.5	7.0
S	.0	1.2	.2	12.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	14.5	7.1
SSW	.0	.7	.1	3.6	.0	.3	.0	.4	.0	.0	.0	.0	.0	.0	.1	4.9	8.2
SW	.0	.5	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.9
WSW	.0	.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.7
W	.0	.7	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.3	5.6
WNW	.0	.3	.0	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.2	8.8
NW	.0	.3	.0	1.5	.0	.1	.0	.1	.0	.3	.0	.0	.0	.0	.0	2.3	9.4
NNW	.0	.1	.0	1.3	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.9	8.5
CALM	.1	6.4													.1	6.4	
TOTAL	.3	16.2	1.1	73.7	.1	6.5	.0	2.1	.0	1.1	.0	.3	.0	.1	1.6	100	7.4

AUS AUSTIN, TX

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 13958

NO. OBS.: 857

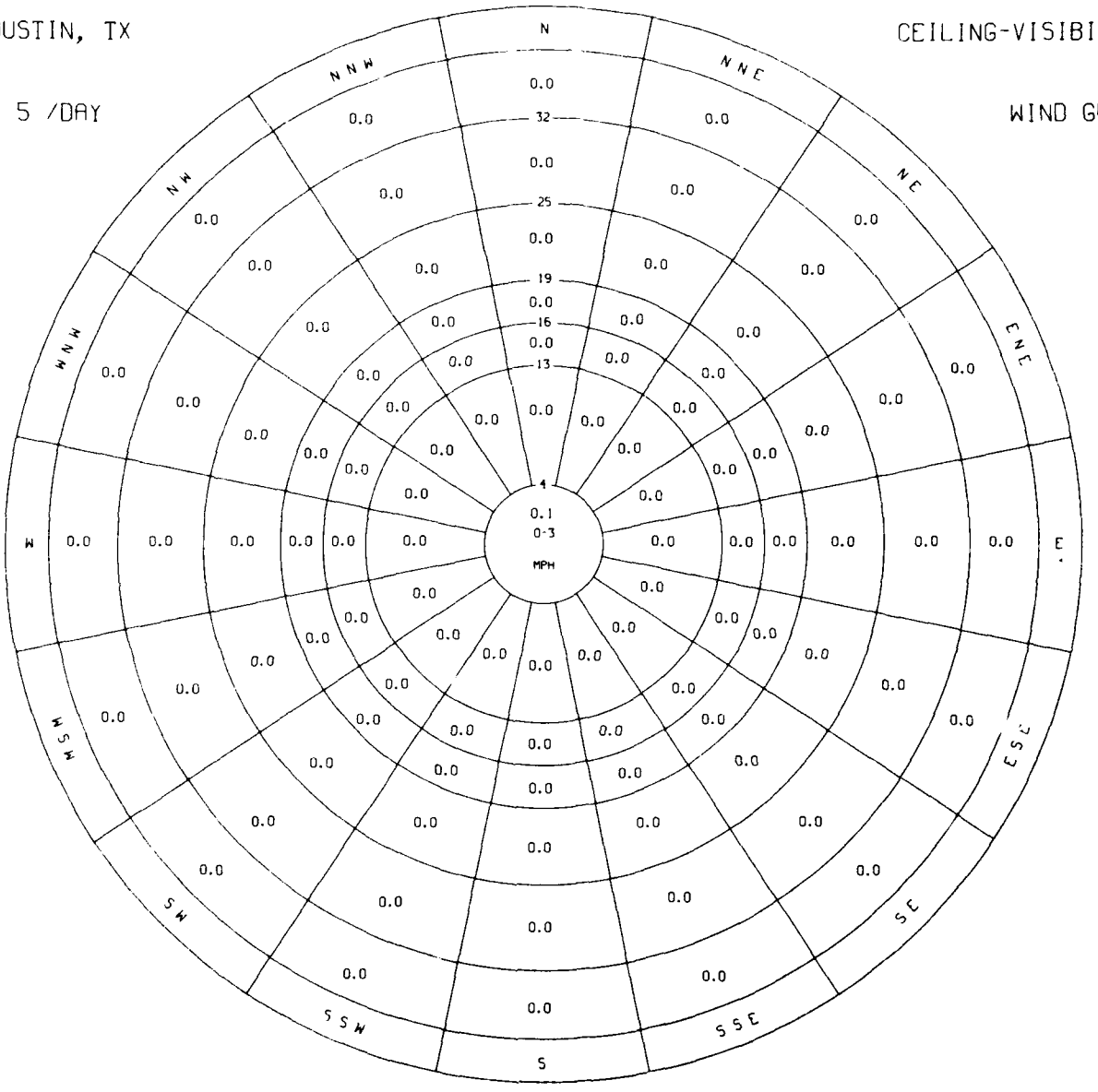
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.1	5.4	.0	.9	.0	.6	.0	.1	.0	.1	.0	.0	.2	7.7	9.6
NNE	.0	.6	.1	5.7	.0	1.1	.0	.1	.0	.4	.0	.0	.0	.0	.2	7.8	9.6
NE	.0	.9	.2	8.2	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.2	10.5	8.6
ENE	.0	.5	.1	3.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	8.0
E	.0	.9	.1	4.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.5	6.4
ESE	.0	.9	.1	3.3	.0	.5	.0	.0	.0	.2	.0	.0	.0	.0	.1	4.9	7.7
SE	.0	1.8	.1	6.0	.0	.6	.0	.6	.0	.1	.0	.0	.0	.0	.2	9.0	7.4
SSE	.0	1.3	.2	7.6	.0	.8	.0	.4	.0	.2	.0	.0	.0	.0	.2	10.3	7.9
S	.0	2.2	.3	12.6	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.4	17.0	7.9
SSW	.0	.2	.1	5.4	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.1	6.3	8.7
SW	.0	.8	.0	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	6.4
WSW	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.2
W	.0	.0	.0	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.1
WNW	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.5
NW	.0	.4	.0	1.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.9	7.2
NNW	.0	.2	.0	1.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.2
CALM	.1	6.3													.1	6.3	
TOTAL	.4	18.3	1.5	69.2	.2	8.5	.1	2.6	.0	1.3	.0	.1	.0	.0	2.2	100	7.6

AUS AUSTIN, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 13958

NO. OBS.: 166

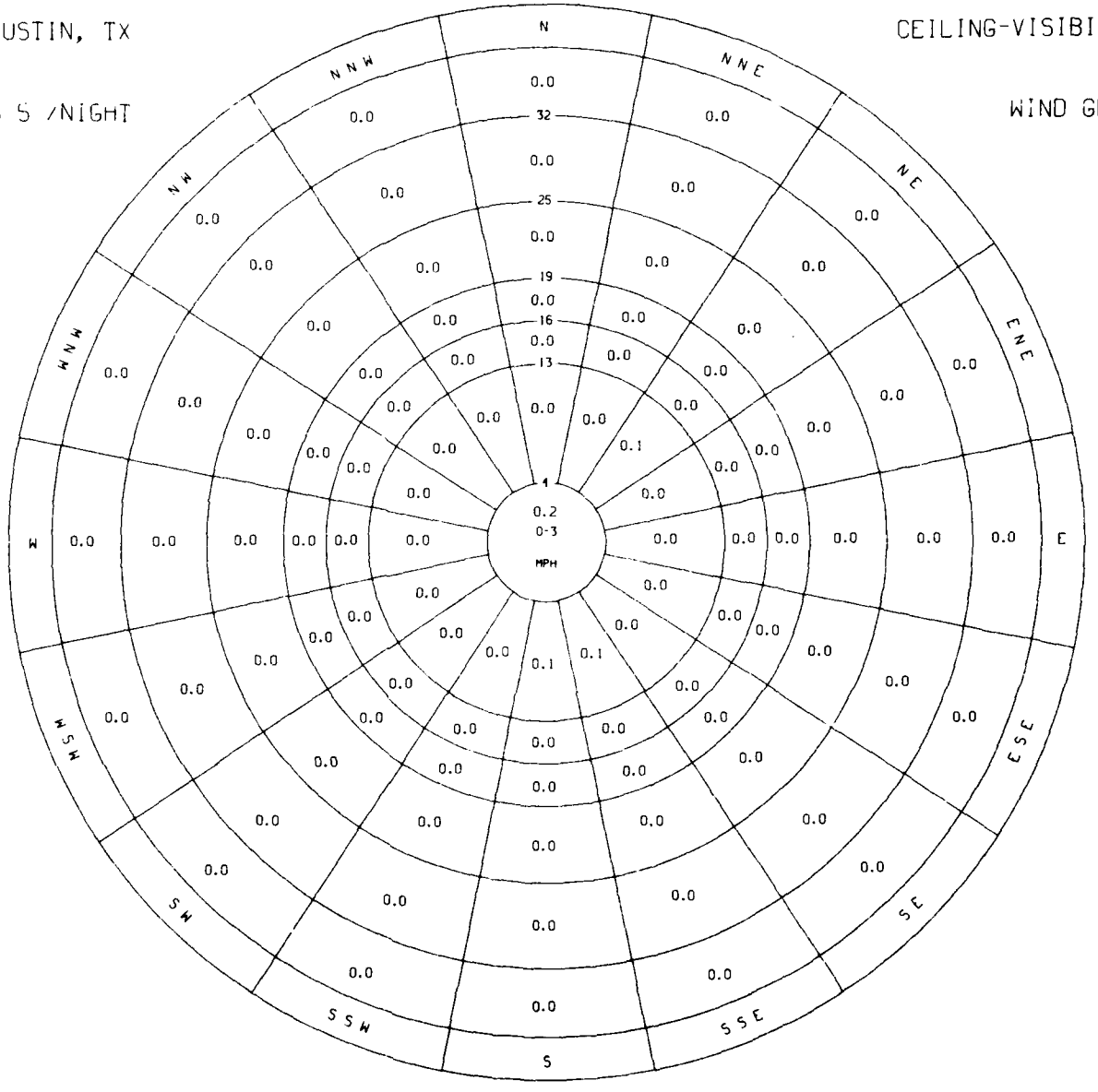
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.4	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	9.4
NNE	.0	.6	.0	1.2	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.4	7.5
NE	.0	.6	.0	6.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	9.5
ENE	.0	.6	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.0
E	.0	1.2	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	5.9
ESE	.0	2.4	.0	5.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.0	7.9
SE	.0	4.2	.0	8.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.7	6.4
SSE	.0	1.2	.0	9.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	6.3
S	.0	1.8	.0	14.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.3	6.7
SSW	.0	.6	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	6.9
SW	.0	1.2	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.1
WSW	.0	.6	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.3
W	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.0
WNW	.0	1.2	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	4.2	8.6
NW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
NNW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.0
CALM	.0	7.2													.0	7.2	
TOTAL	.1	24.1	.2	69.9	.0	4.8	.0	.6	.0	.0	.0	.6	.0	.0	.3	100	6.5

AUS AUSTIN, TX

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 13958

NO. OBS.: 306

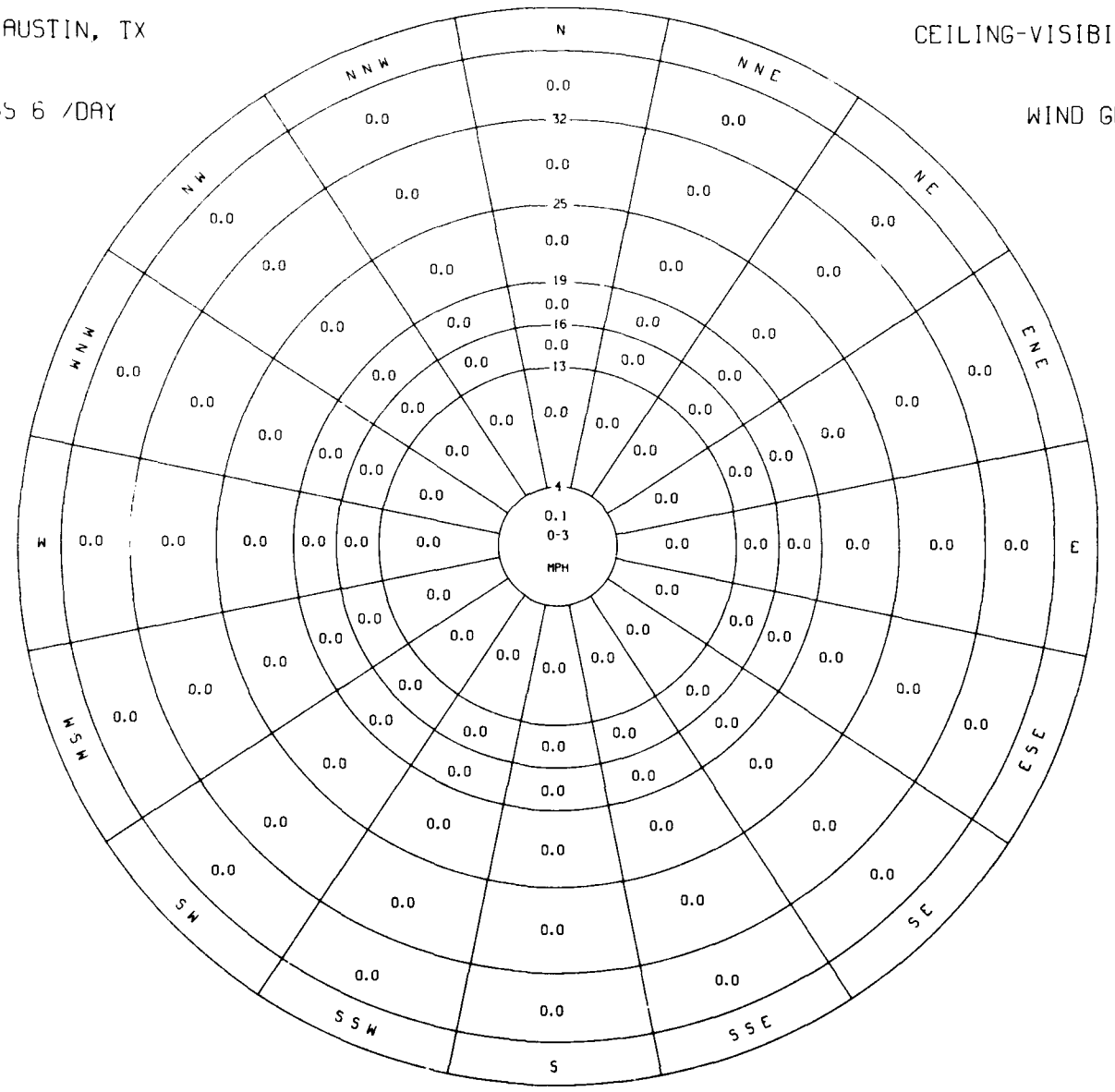
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.0	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.5
NNE	.0	1.3	.0	5.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	7.4
NE	.0	.0	.1	6.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	6.9	8.2
ENE	.0	.7	.0	2.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	6.4
E	.0	2.3	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.1
ESE	.0	1.0	.0	6.2	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.1	7.8	7.6
SE	.0	1.3	.0	6.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.5	6.3
SSE	.0	1.3	.1	7.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.5	6.9
S	.0	5.9	.1	14.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	20.9	6.1
SSW	.0	1.6	.0	5.6	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.1	7.8	7.4
SW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.7
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.7
W	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.0
WNW	.0	.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.2
NW	.0	.7	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.0
NNW	.0	.7	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.7
CALM	.1	10.5													.1	10.5	
TOTAL	.2	29.1	.5	66.3	.0	3.3	.0	.7	.0	.7	.0	.0	.0	.0	.8	100	5.9

AUS AUSTIN, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 13958

NO. OBS.: 179

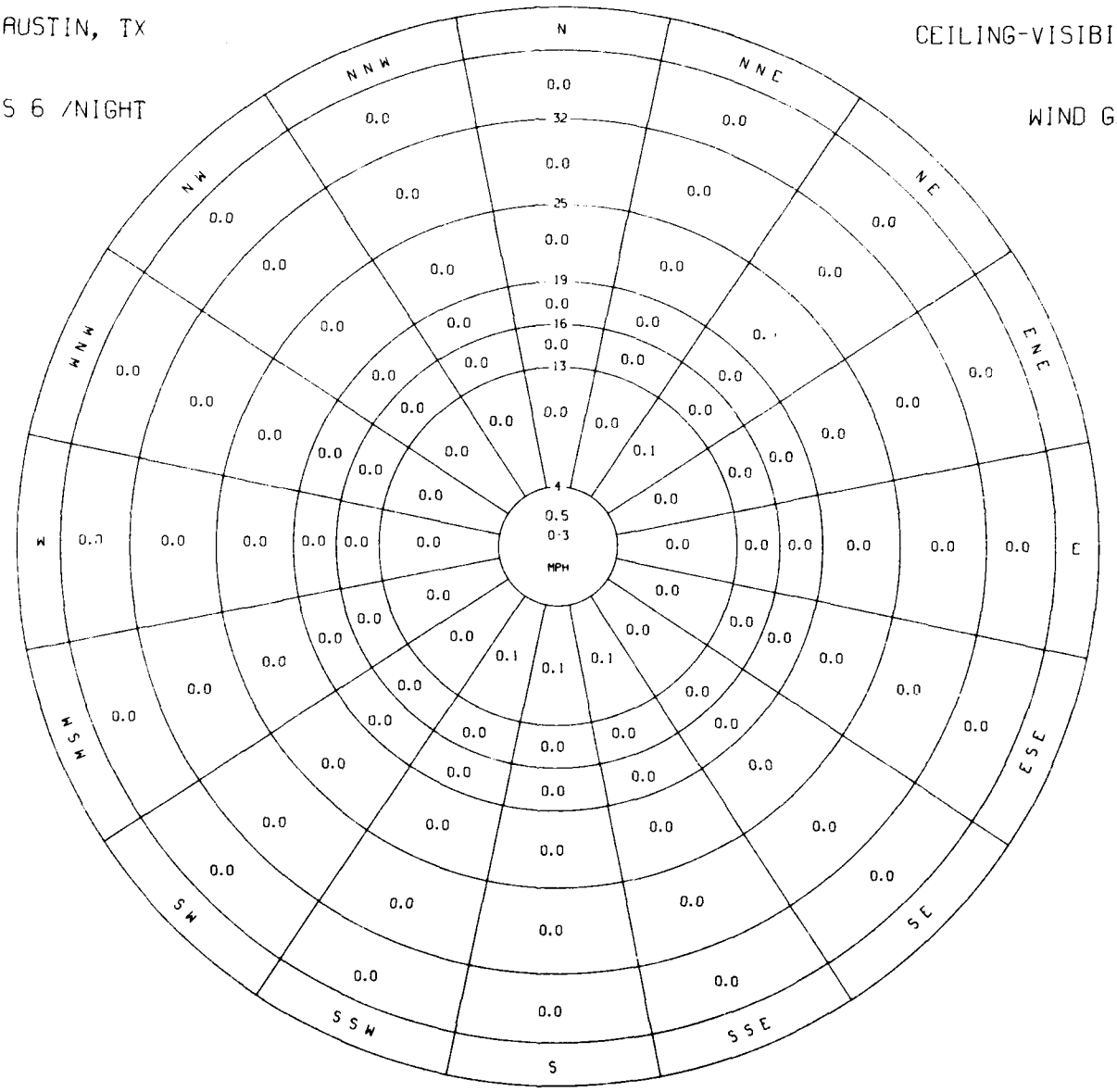
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.2
NNE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	10.5
NE	.0	1.7	.0	5.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	7.8	7.7
ENE	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.2
E	.0	.6	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	5.7
ESE	.0	2.2	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.4	5.3
SE	.0	4.5	.0	6.7	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	11.7	5.5
SSE	.0	3.9	.0	5.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.1	5.7
S	.0	5.0	.0	11.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.8	5.9
SSW	.0	1.1	.0	5.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	7.7
SW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.7
WSW	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.2
W	.0	1.1	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.4
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.7
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	17.3													.1	17.3	
TOTAL	.1	39.7	.2	56.4	.0	2.8	.0	1.1	.0	.0	.0	.0	.0	.0	.4	100	5.0

AUS AUSTIN, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AUS AUSTIN, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 13958

NO. OBS.: 405

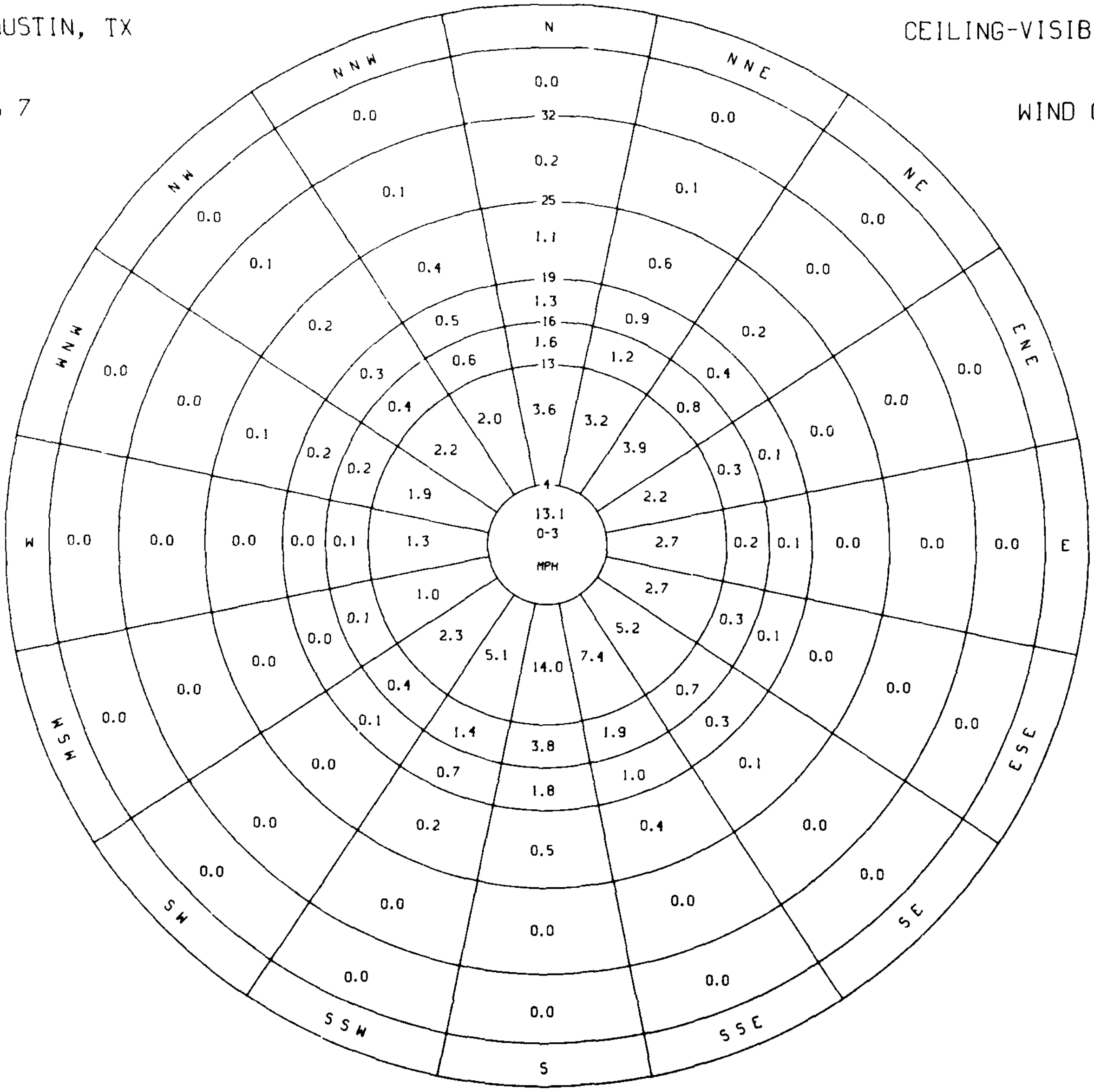
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	4.0	8.2
NNE	.0	2.5	.0	3.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.4	5.6
NE	.0	3.0	.1	5.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	5.5
ENE	.0	.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.9
E	.0	1.5	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	5.2
ESE	.0	1.7	.0	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.1
SE	.0	3.0	.0	4.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	5.4
SSE	.0	2.0	.1	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	6.0
S	.0	4.7	.1	12.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	16.8	5.7
SSW	.0	1.7	.1	5.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.4	6.2
SW	.0	2.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.9
WSW	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.7
W	.0	1.2	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.4
WNW	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.0
NW	.0	.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.3
NNW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.2
CALM	.2	18.3													.2	18.3	
TOTAL	.5	45.4	.5	52.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.2	1.0	100	4.6

AUS AUSTIN, TX

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

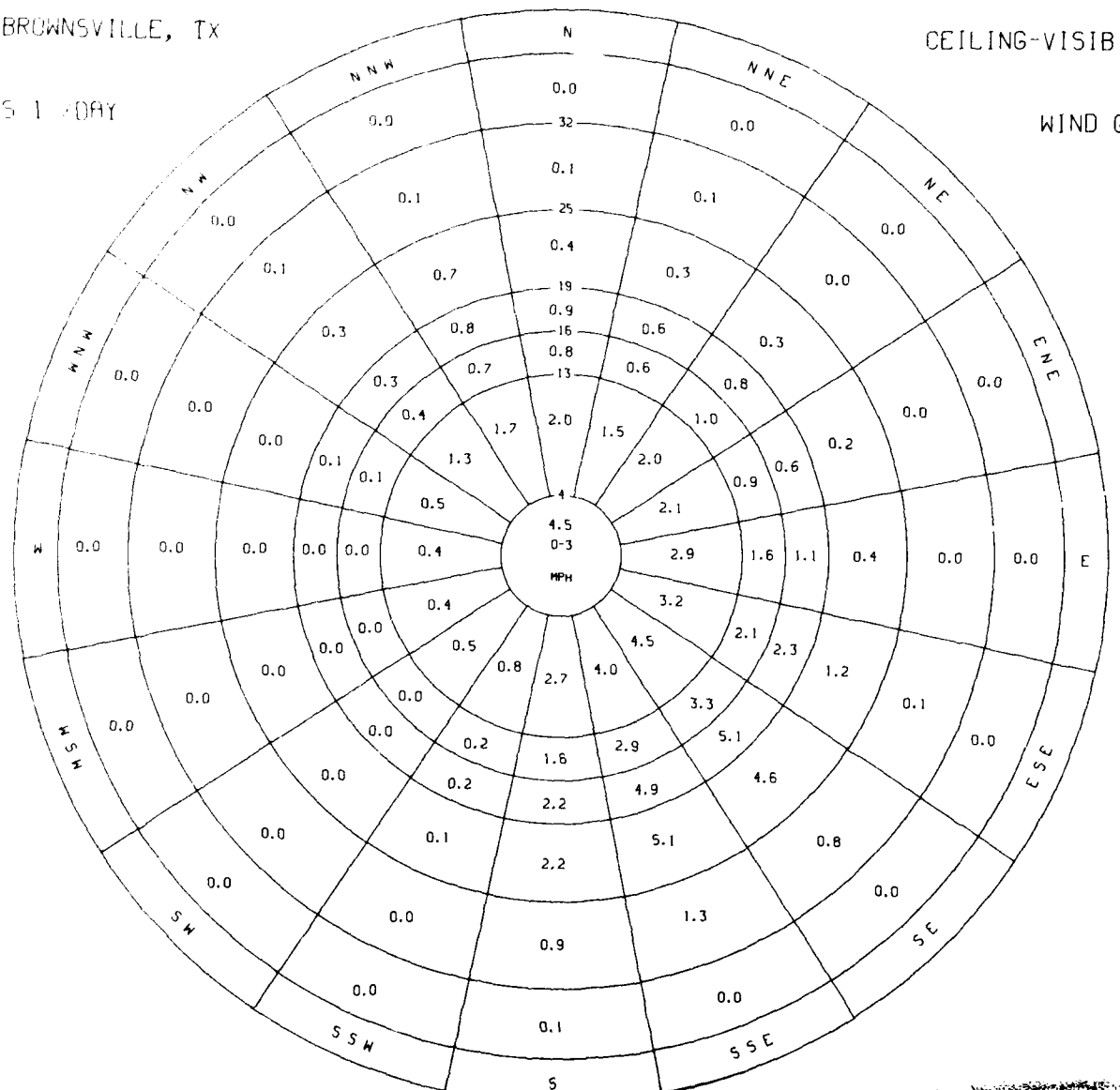


BRO BROWNSVILLE, TX

CLASS 1 7DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 12919

NO. OBS.: 44675

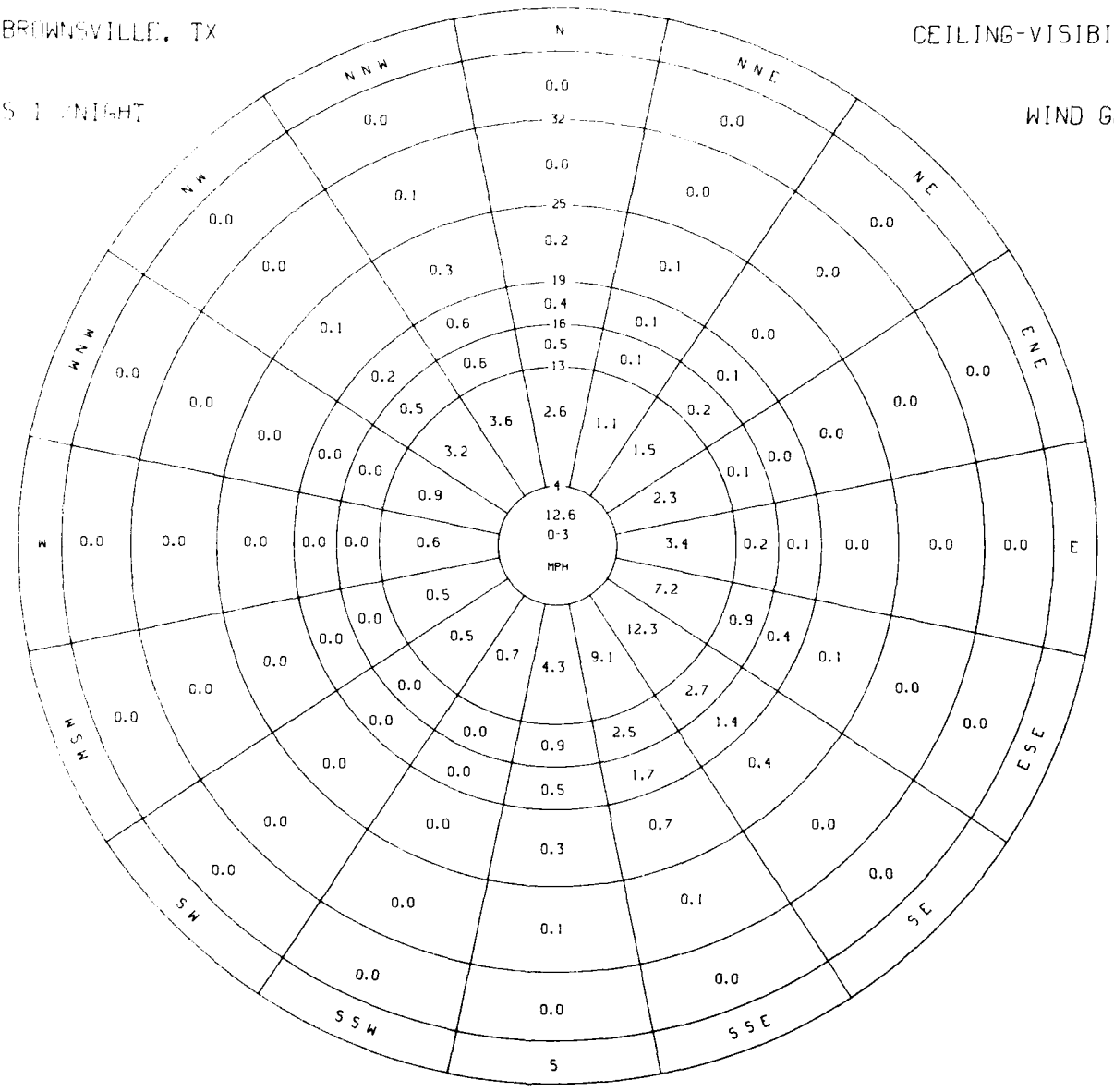
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	2.0	2.3	.8	.9	.9	.9	.4	.5	.1	.1	.0	.0	4.5	4.9	12.3
NNE	.2	.2	1.5	1.6	.6	.7	.6	.7	.3	.3	.1	.1	.0	.0	3.2	3.6	12.4
NE	.2	.2	2.0	2.2	1.0	1.1	.8	.9	.3	.3	.0	.0	.0	.0	4.4	4.8	12.2
ENE	.2	.2	2.1	2.3	.9	1.0	.6	.7	.2	.2	.0	.0	.0	.0	4.0	4.4	11.7
E	.2	.3	2.9	3.2	1.6	1.8	1.1	1.2	.4	.5	.0	.0	.0	.0	6.3	6.9	12.2
ESE	.3	.3	3.2	3.6	2.1	2.3	2.3	2.5	1.2	1.4	.1	.1	.0	.0	9.3	10.2	13.7
SE	.5	.5	4.5	4.9	3.3	3.6	5.1	5.7	4.6	5.1	.8	.8	.0	.0	18.7	20.7	15.7
SSE	.3	.3	4.0	4.4	2.9	3.2	4.9	5.4	5.1	5.6	1.3	1.4	.0	.1	18.5	20.4	16.6
S	.3	.3	2.7	3.0	1.6	1.8	2.2	2.4	2.2	2.4	.9	1.0	.1	.1	9.9	10.9	16.0
SSW	.1	.1	.8	.8	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	1.3	1.5	11.1
SW	.1	.1	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	8.0
WSW	.1	.1	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	7.6
W	.1	.1	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	8.0
WNW	.1	.1	.5	.6	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.9	.9	9.3
NW	.2	.2	1.3	1.5	.4	.4	.3	.4	.3	.3	.1	.1	.0	.0	2.5	2.8	11.7
NNW	.2	.2	1.7	1.9	.7	.8	.8	.9	.7	.7	.1	.1	.0	.0	4.3	4.7	13.5
CALM	1.3	1.4													1.3	1.4	
TOTAL	4.5	4.9	30.6	33.7	16.4	18.1	19.9	21.9	15.7	17.4	3.4	3.8	.2	.2	90.6	100	14.1

BRO BROWNSVILLE, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-19

CLASS 1 / NIGHT

STATION NUMBER: 12919

NO. OBS.: 322

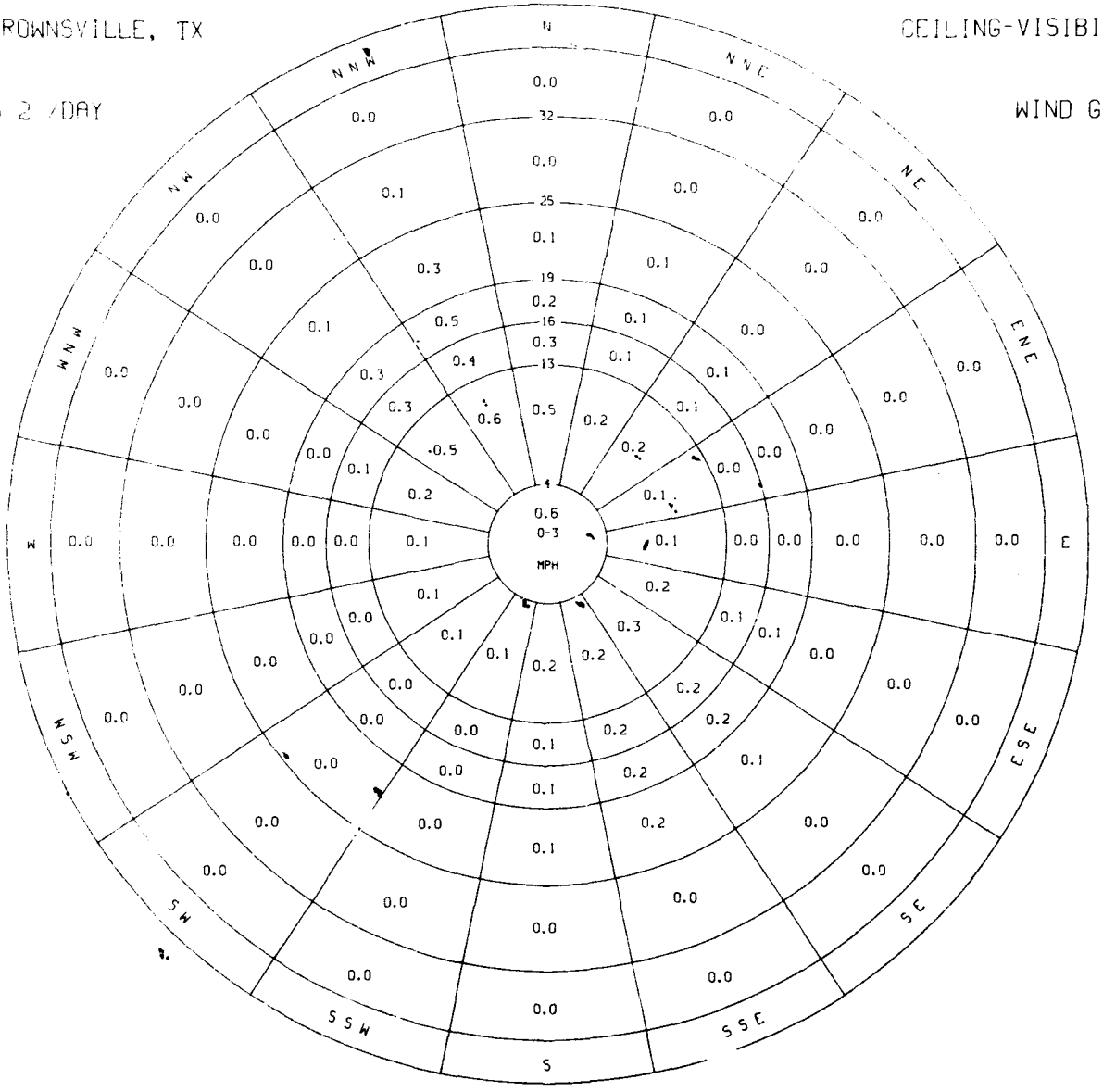
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.6	.7	2.6	3.1	.5	.5	.4	.5	.2	.2	.0	.1	.0	.0	4.3	5.1	9.1
N N E	.4	.4	1.1	1.3	.1	.2	.1	.2	.1	.1	.0	.0	.0	.0	1.9	2.2	8.5
N E	.4	.5	1.5	1.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.6	7.5
E N E	.5	.6	2.3	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.4	6.8
E	.8	1.0	3.4	4.1	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.5	5.4	7.0
E S E	1.0	1.2	7.2	8.5	.9	1.0	.4	.5	.1	.1	.0	.0	.0	.0	9.5	11.3	8.2
S E	1.3	1.6	12.3	14.6	2.7	3.2	1.4	1.7	.4	.5	.0	.0	.0	.0	18.2	21.7	9.7
S S E	.8	1.0	9.1	10.8	2.5	2.9	1.7	2.0	.7	.8	.1	.1	.0	.0	14.8	17.6	10.7
S	.7	.8	4.3	5.2	.9	1.1	.5	.6	.3	.3	.1	.1	.0	.0	6.8	8.1	9.6
S S W	.2	.3	.7	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	6.7
S W	.2	.3	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	5.8
W S W	.2	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	5.7
W	.2	.2	.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	6.0
W N W	.2	.3	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	6.9
N W	.4	.5	3.2	3.8	.5	.5	.2	.3	.1	.1	.0	.0	.0	.0	4.5	5.4	8.9
N N W	.4	.4	3.6	4.3	.6	.8	.6	.7	.3	.4	.1	.1	.0	.0	5.6	6.6	10.2
C A L M	4.3	5.1													4.3	5.1	
T O T A L	12.6	15.0	54.0	64.3	9.2	11.0	5.6	6.6	2.2	2.6	.4	.4	.0	.0	84.0	100	8.7

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



500

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 12919

NO. OBS.: 4642

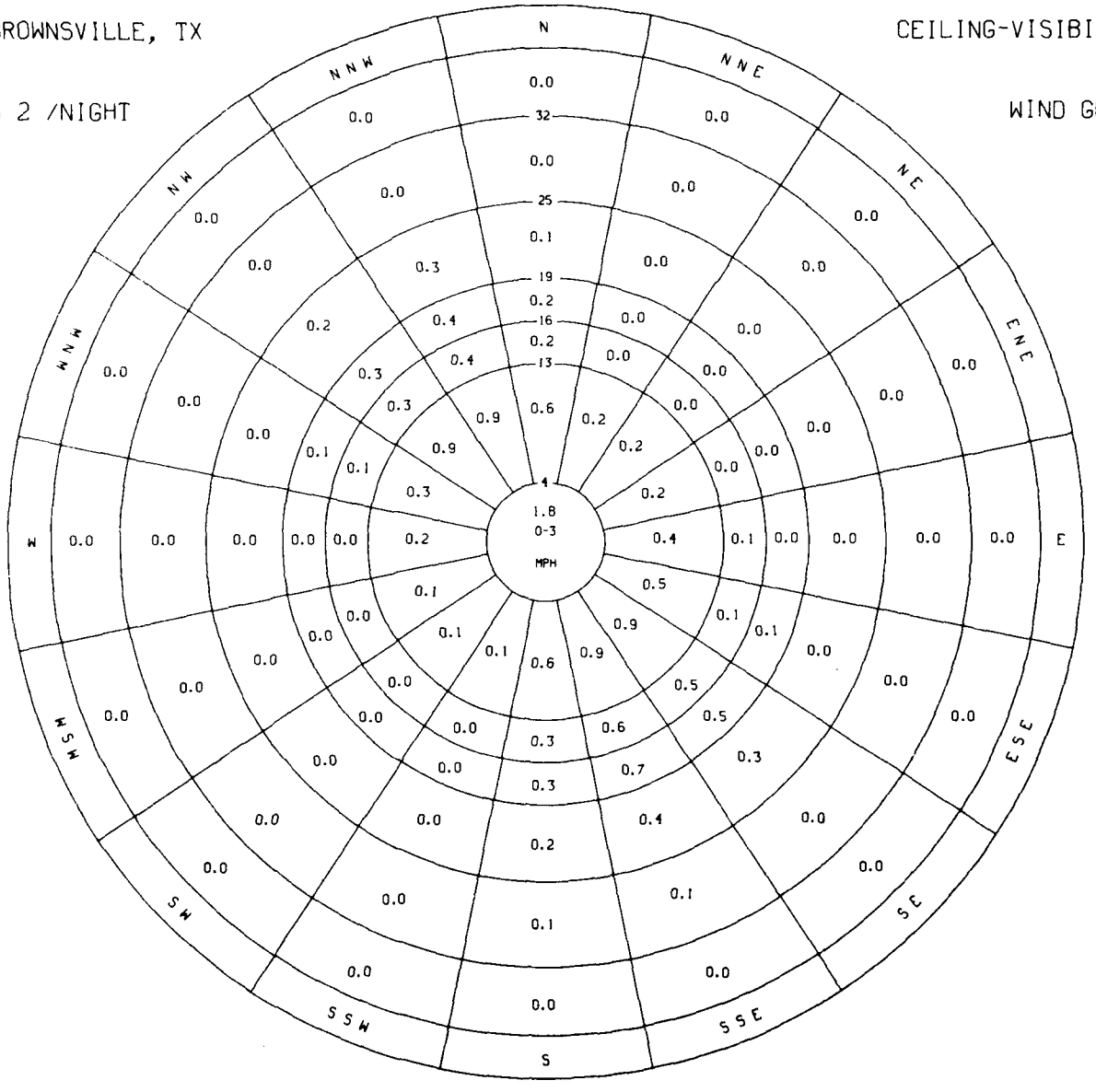
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.5	5.4	.3	2.8	.2	2.5	.1	1.2	.0	.3	.0	.0	1.2	12.7	13.0
N N E	.0	.3	.2	2.0	.1	.8	.1	.9	.1	.8	.0	.1	.0	.0	.5	5.0	13.0
N E	.0	.3	.2	1.8	.1	.9	.1	.7	.0	.4	.0	.1	.0	.0	.4	4.2	12.3
E N E	.0	.3	.1	1.4	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.2	2.3	10.3
E	.0	.3	.1	1.6	.0	.5	.0	.5	.0	.2	.0	.0	.0	.0	.3	3.0	10.9
E S E	.0	.2	.2	2.0	.1	.9	.1	.6	.0	.4	.0	.1	.0	.0	.4	4.1	12.6
S E	.0	.2	.3	2.7	.2	1.8	.2	2.2	.1	1.4	.0	.3	.0	.0	.8	8.7	14.6
S S E	.0	.1	.2	2.3	.2	2.1	.2	2.5	.2	2.6	.0	.3	.0	.0	.9	9.8	16.0
S	.0	.1	.2	2.1	.1	1.1	.1	1.3	.1	1.3	.0	.4	.0	.1	.6	6.4	15.2
S S W	.0	.2	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.3	11.1
S W	.0	.2	.1	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.1	7.6
W S W	.0	.2	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	8.1
W	.0	.2	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.7	8.7
W N W	.0	.2	.2	2.2	.1	.6	.0	.5	.0	.2	.0	.0	.0	.0	.4	3.8	11.0
N W	.0	.3	.5	5.6	.3	3.1	.3	2.8	.1	1.1	.0	.5	.0	.1	1.3	13.4	13.6
N N W	.1	.6	.6	6.4	.4	3.9	.5	5.1	.3	2.9	.1	.7	.0	.0	1.8	19.6	14.5
C A L M	.2	1.9													.2	1.9	
T O T A L	.6	6.0	3.7	38.9	1.8	19.2	1.9	20.2	1.2	12.6	.3	2.7	.0	.4	9.4	100	13.3

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 12919

NO. OBS.: 6116

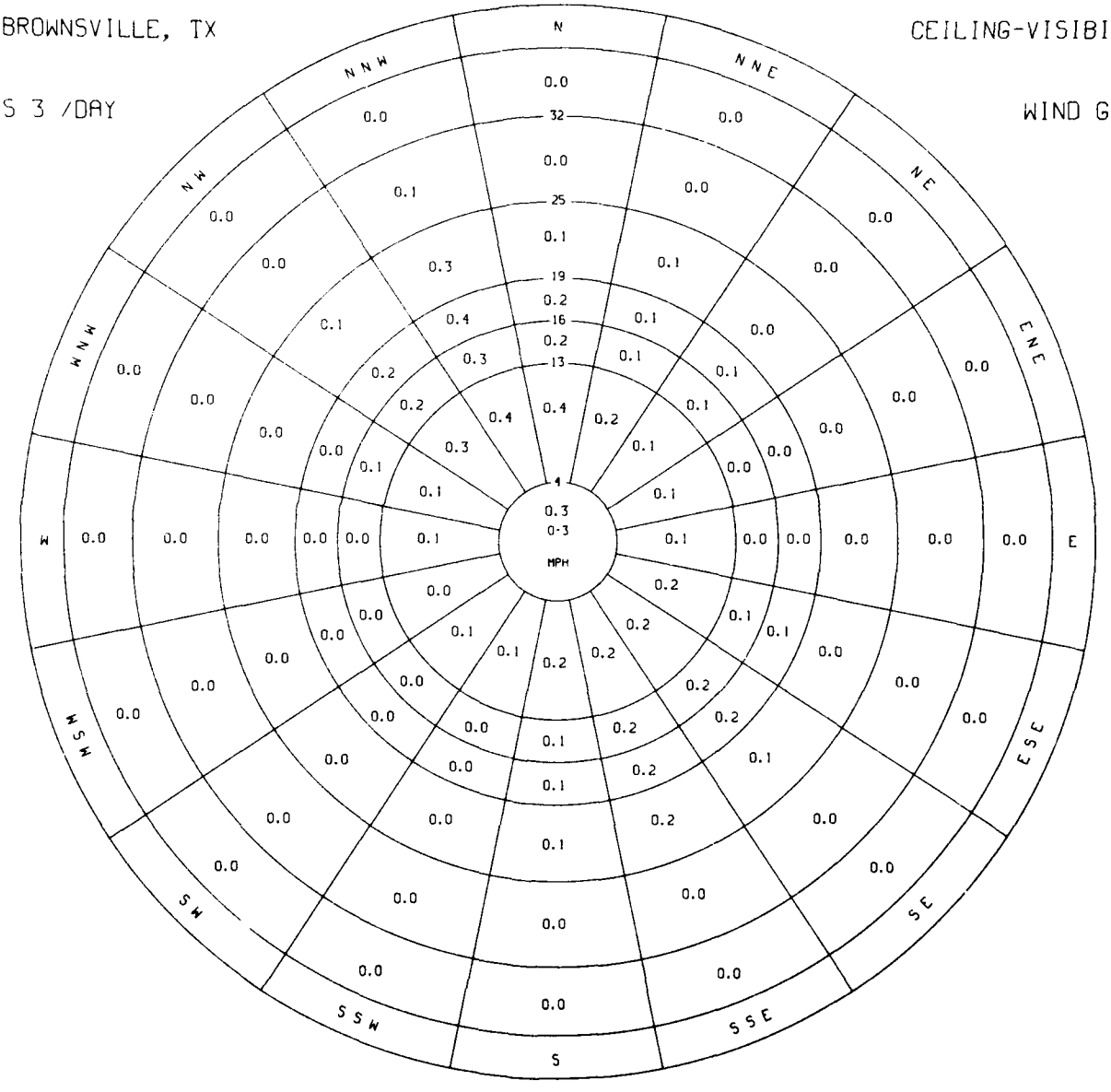
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.6	3.5	.2	1.3	.2	1.1	.1	.5	.0	.1	.0	.0	1.1	7.0	11.4
NNE	.0	.3	.2	1.4	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.4	2.3	9.8
NE	.1	.4	.2	1.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.3	2.1	9.2
ENE	.0	.3	.2	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.0	8.8
E	.1	.5	.4	2.2	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.4	8.8
ESE	.1	.4	.5	2.8	.1	.9	.1	.7	.0	.3	.0	.0	.0	.0	.8	5.1	10.7
SE	.1	.7	.9	5.6	.5	3.2	.5	2.8	.3	1.7	.0	.2	.0	.0	2.3	14.2	13.1
SSE	.1	.6	.9	5.4	.6	4.0	.7	4.1	.4	2.3	.1	.4	.0	.0	2.7	16.8	14.1
S	.1	.8	.6	4.0	.3	1.6	.3	1.7	.2	1.2	.1	.4	.0	.0	1.5	9.6	12.8
SSW	.0	.3	.1	.9	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.4	7.7
SW	.0	.2	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	7.4
WSW	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.0	6.7
W	.1	.4	.2	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.6	7.6
WNW	.1	.3	.3	2.2	.1	.5	.1	.3	.0	.0	.0	.0	.0	.0	.5	3.4	9.8
NW	.1	.6	.9	5.6	.3	2.2	.3	1.9	.2	1.0	.0	.1	.0	.1	1.8	11.6	12.3
NNW	.0	.3	.9	5.7	.4	2.7	.4	2.5	.3	1.6	.0	.3	.0	.0	2.1	13.1	13.2
CALM	.7	4.3													.7	4.3	
TOTAL	1.8	11.2	7.1	44.3	2.8	17.8	2.6	16.1	1.4	9.0	.2	1.6	.0	.1	16.0	100	11.6

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 12919

NO. OBS.: 3842

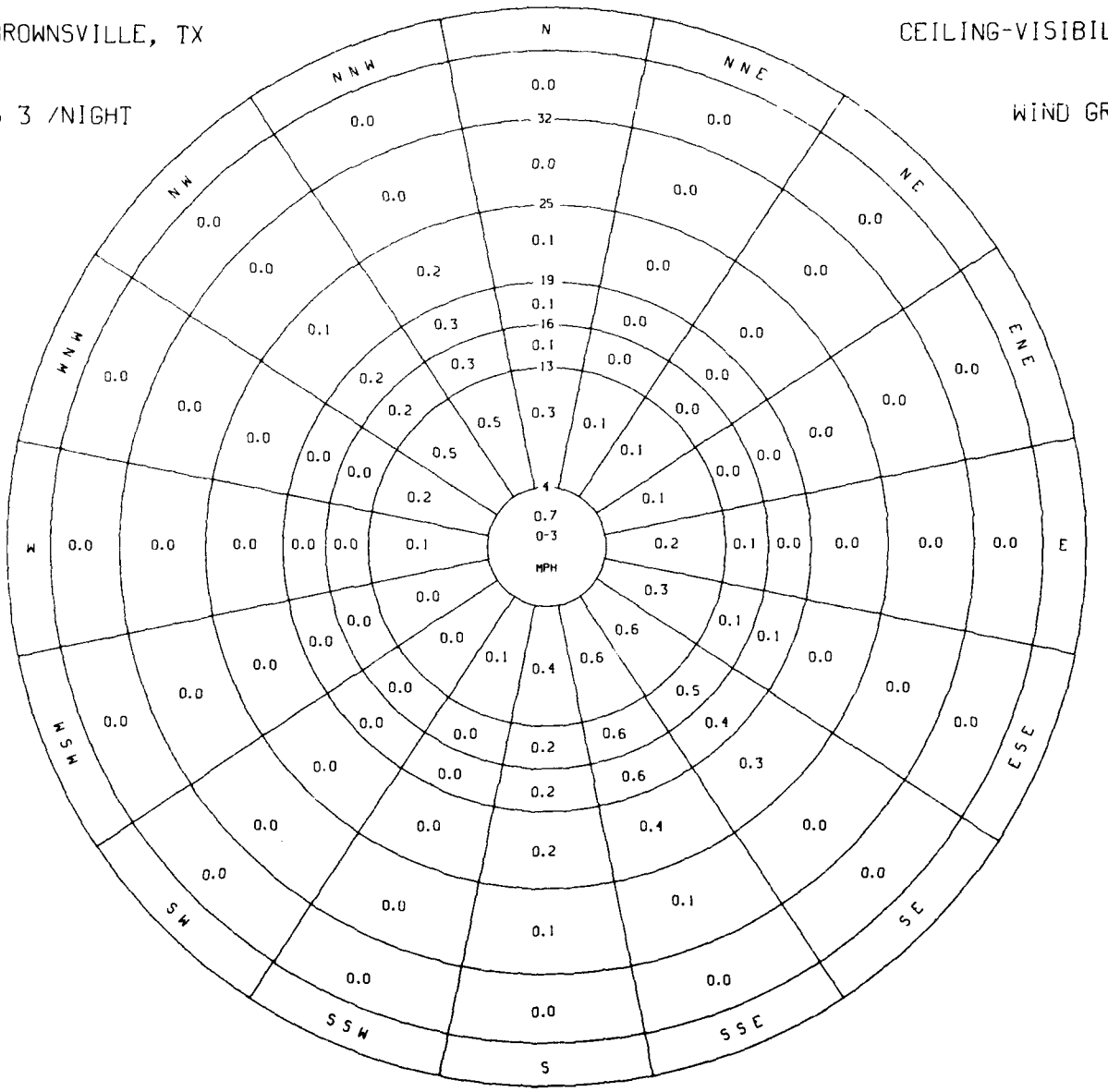
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.4	4.8	.2	2.8	.2	2.6	.1	1.4	.0	.3	.0	.0	1.0	12.4	13.4
NNE	.0	.3	.2	2.0	.1	.8	.1	1.1	.1	1.0	.0	.1	.0	.1	.4	5.3	13.7
NE	.0	.2	.1	1.7	.1	1.0	.1	.9	.0	.5	.0	.1	.0	.0	.3	4.3	13.1
ENE	.0	.3	.1	1.4	.0	.3	.0	.3	.0	.1	.0	.1	.0	.0	.2	2.4	10.9
E	.0	.1	.1	1.5	.0	.5	.0	.5	.0	.2	.0	.0	.0	.0	.2	2.9	11.9
ESE	.0	.1	.2	2.0	.1	1.1	.1	.7	.0	.5	.0	.1	.0	.0	.4	4.5	13.1
SE	.0	.1	.2	2.7	.2	2.1	.2	2.7	.1	1.6	.0	.3	.0	.0	.7	9.6	15.1
SSE	.0	.1	.2	2.5	.2	2.4	.2	2.9	.2	3.1	.0	.4	.0	.0	.9	11.4	16.2
S	.0	.1	.2	2.2	.1	1.2	.1	1.6	.1	1.5	.0	.5	.0	.1	.6	7.2	15.7
SSW	.0	.1	.1	.7	.0	.2	.0	.1	.0	.0	.0	.1	.0	.1	.1	1.2	12.6
SW	.0	.1	.1	.8	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.0	8.3
WSW	.0	.1	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	.8	9.6
W	.0	.1	.1	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.3	9.5
WNW	.0	.2	.1	1.6	.1	.7	.0	.5	.0	.2	.0	.0	.0	.0	.3	3.3	11.6
NW	.0	.2	.3	4.5	.2	3.0	.2	2.8	.1	1.2	.0	.5	.0	.1	1.0	12.3	14.4
NNW	.0	.6	.4	5.0	.3	4.0	.4	5.4	.3	3.3	.1	.8	.0	.1	1.5	19.1	15.1
CALM	.1	1.0													.1	1.0	
TOTAL	.3	4.1	2.7	34.9	1.6	20.3	1.7	22.4	1.1	14.7	.2	3.2	.0	.4	7.8	100	14.0

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 12919

NO. OBS.: 4297

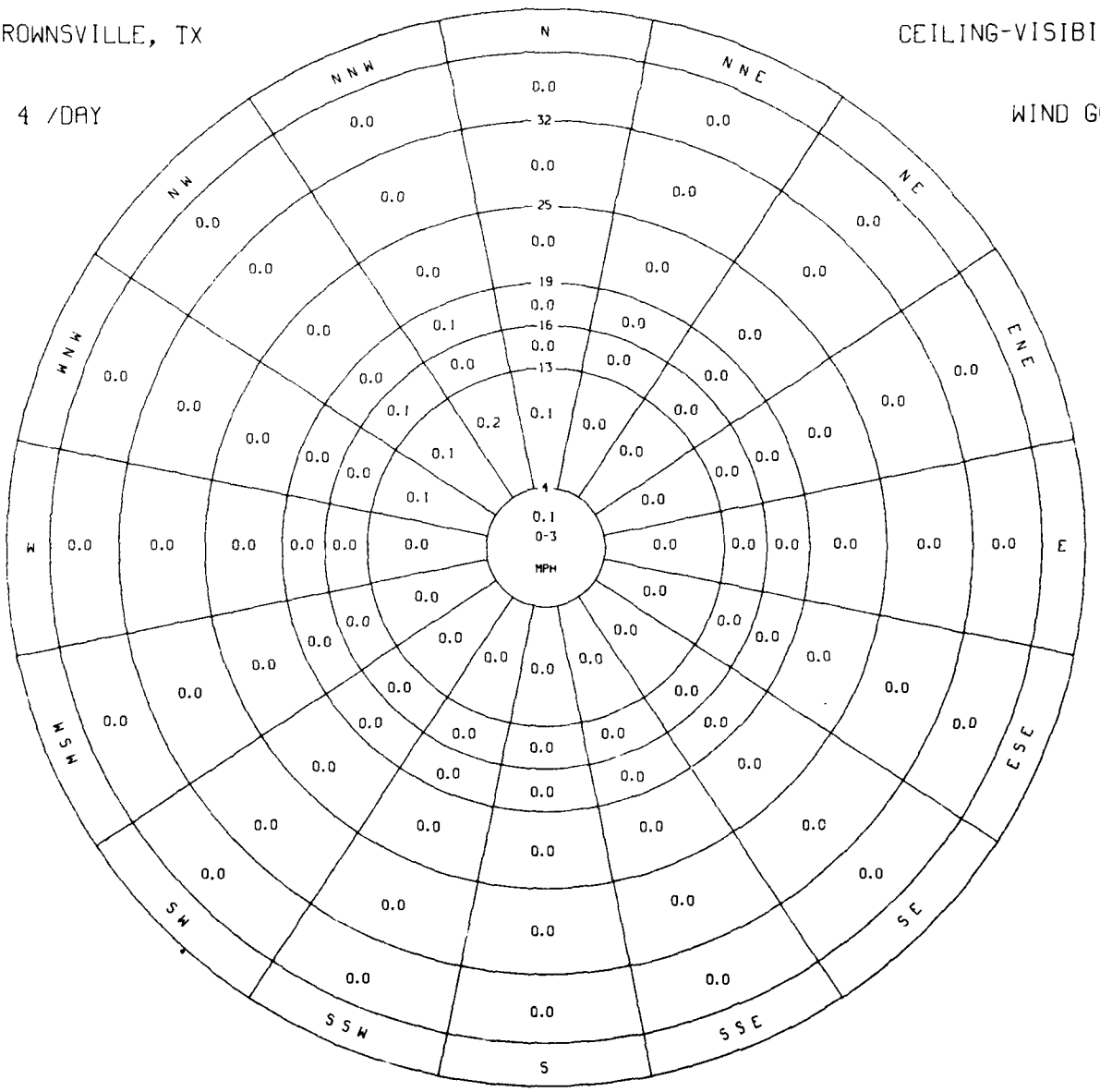
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.3	2.7	.1	1.3	.1	1.2	.1	.6	.0	.1	.0	.0	.7	6.1	12.7
NNE	.0	.2	.1	1.1	.0	.2	.0	.3	.0	.2	.0	.1	.0	.0	.2	2.0	11.2
NE	.0	.2	.1	1.0	.0	.2	.0	.3	.0	.0	.0	.0	.0	.1	.2	1.8	10.9
ENE	.0	.2	.1	1.1	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.2	1.9	10.0
E	.0	.2	.2	2.0	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.3	3.1	10.3
ESE	.0	.2	.3	2.9	.1	1.1	.1	1.0	.0	.4	.0	.0	.0	.0	.6	5.6	11.9
SE	.0	.3	.6	5.5	.5	4.3	.4	3.9	.3	2.4	.0	.2	.0	.0	1.9	16.5	14.2
SSE	.0	.4	.6	5.5	.6	5.4	.6	5.7	.4	3.2	.1	.5	.0	.0	2.3	20.6	15.0
S	.1	.5	.4	3.8	.2	2.1	.2	2.2	.2	1.6	.1	.5	.0	.0	1.2	10.8	14.1
SSW	.0	.1	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	9.4
SW	.0	.1	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	.7	8.9
WSW	.0	.2	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	6.9
W	.0	.2	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	8.1
WNW	.0	.2	.2	1.5	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.3	2.6	10.6
NW	.0	.3	.5	4.7	.2	2.0	.2	2.1	.1	1.2	.0	.2	.0	.1	1.2	10.7	13.2
NNW	.0	.2	.5	4.6	.3	2.7	.3	2.9	.2	2.0	.0	.3	.0	.0	1.4	12.8	14.3
CALM	.2	2.2													.2	2.2	
TOTAL	.7	6.0	4.3	38.4	2.3	20.8	2.3	20.4	1.3	12.0	.2	2.2	.0	.2	11.2	100	13.1

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 12919

NO. OBS.: 577

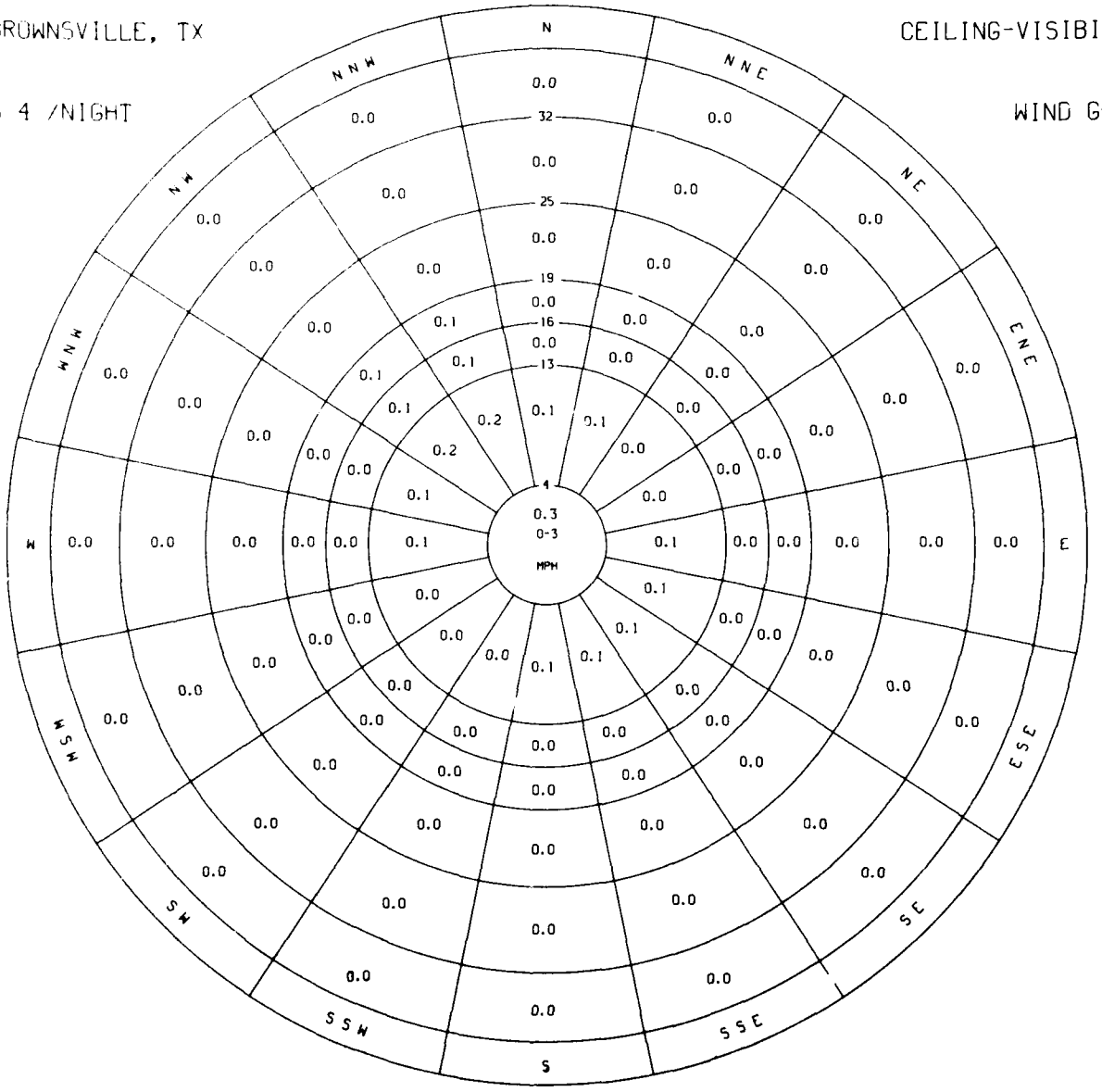
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.1	7.6	.0	3.3	.0	3.1	.0	.2	.0	.2	.0	.0	.2	15.1	12.0
NNE	.0	.2	.0	1.9	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.9	9.6
NE	.0	.5	.0	2.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	8.7
ENE	.0	.0	0	1.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.6	8.7
E	.0	.2	.0	1.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.1	8.8
ESE	.0	.2	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.6	8.2
SE	.0	.3	.0	2.9	.0	.7	.0	.2	.0	.2	.0	.0	.0	.0	.1	4.3	10.5
SSE	.0	.2	.0	1.4	.0	1.0	.0	.2	.0	.3	.0	.0	.0	.0	.0	3.1	11.9
S	.0	.3	.0	1.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.6
SSW	.0	.2	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.4
SW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.0
WSW	.0	.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.1
W	.0	.7	.0	2.4	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.5	7.8
WNW	.0	.3	.1	5.5	.0	.3	.0	.5	.0	.2	.0	.0	.0	.0	.1	6.9	9.6
NW	.0	.7	.1	11.8	.1	4.7	.0	3.1	.0	.3	.0	.0	.0	.2	.2	20.8	11.9
NNW	.0	.0	.2	13.2	.0	4.0	.1	5.4	.0	1.6	.0	.2	.0	.0	.3	24.3	12.7
CALM	.0	3.8													.0	3.8	
TOTAL	.1	9.5	.7	56.8	.2	17.0	.2	13.3	.0	2.8	.0	.3	.0	.2	1.2	100	10.6

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 12919

NO. OBS.: 947

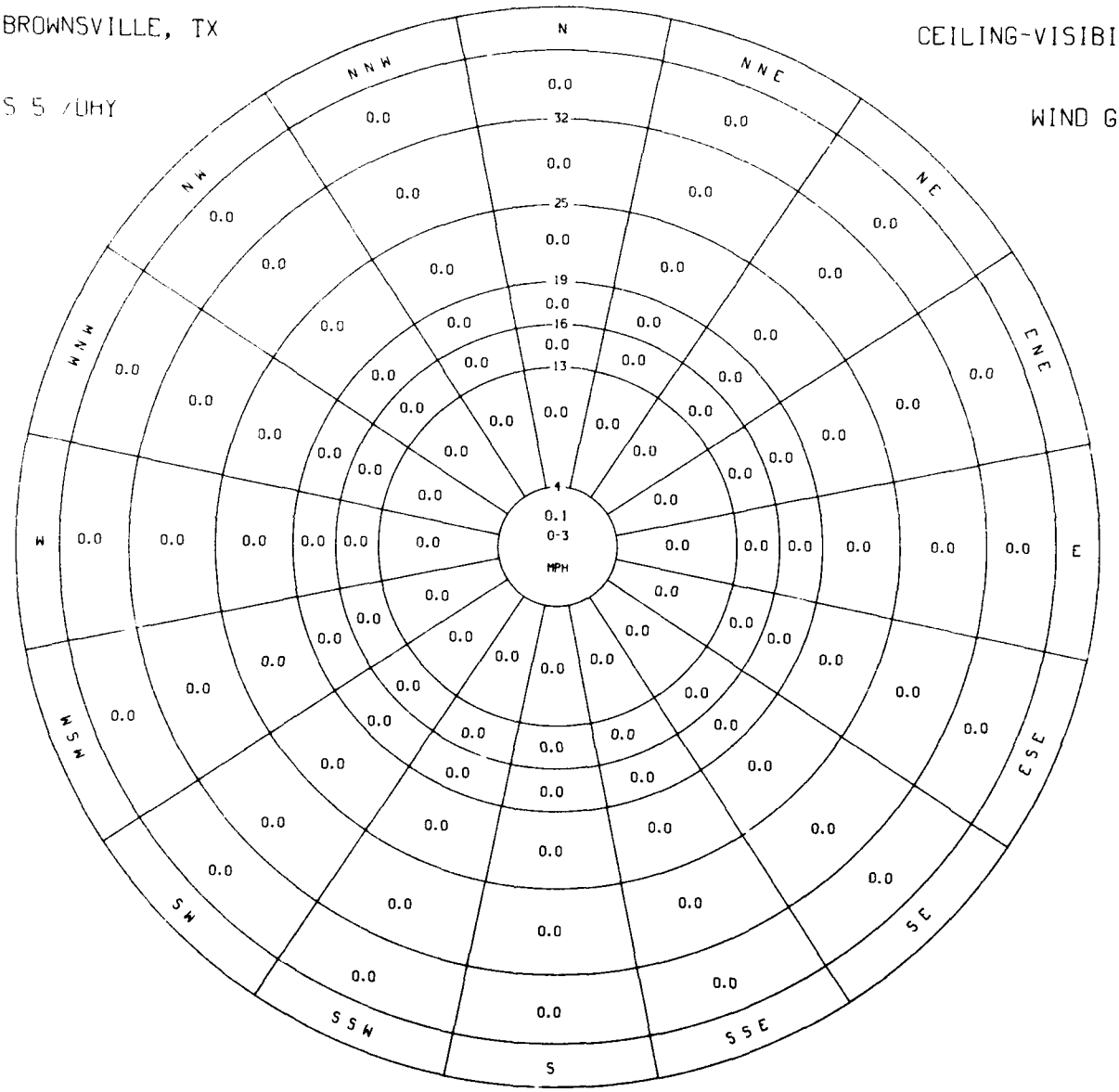
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.1	5.8	.0	1.8	.0	1.7	.0	.2	.0	.0	.0	.0	.3	10.1	10.8
NNE	.0	.1	.1	2.1	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.1	2.9	9.4
NE	.0	.4	.0	1.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.1	7.4
ENE	.0	.3	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.2
E	.0	1.3	.1	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	6.0
ESE	.0	.4	.1	2.5	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	3.8	8.6
SE	.0	1.0	.1	4.5	.0	1.3	.0	.5	.0	.3	.0	.0	.0	.0	.2	7.6	9.7
SSE	.0	.3	.1	4.4	.0	1.4	.0	.8	.0	.2	.0	.1	.0	.0	.2	7.3	11.1
S	.0	.7	.1	3.2	.0	.6	.0	.7	.0	.2	.0	.0	.0	.0	.1	5.5	9.5
SSW	.0	.4	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.6
SW	.0	.1	.0	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.9
WSW	.0	.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.1
W	.0	.4	.1	3.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	8.3
WNW	.0	.5	.1	5.0	.0	1.4	.0	.2	.0	.1	.0	.0	.0	.0	.2	7.2	9.8
NW	.0	1.1	.2	9.0	.1	4.1	.1	2.6	.0	1.1	.0	.0	.0	.0	.4	17.8	11.7
NNW	.0	.4	.2	9.2	.1	4.2	.1	3.0	.0	1.1	.0	.1	.0	.0	.4	18.0	12.0
CALM	.1	4.5													.1	4.5	
TOTAL	.3	12.8	1.4	57.0	.4	16.8	.2	9.9	.1	3.3	.0	.2	.0	.0	2.5	100	9.8

BRO BROWNSVILLE, TX

CLASS 5 /UHY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-19

CLASS 5 / DAY

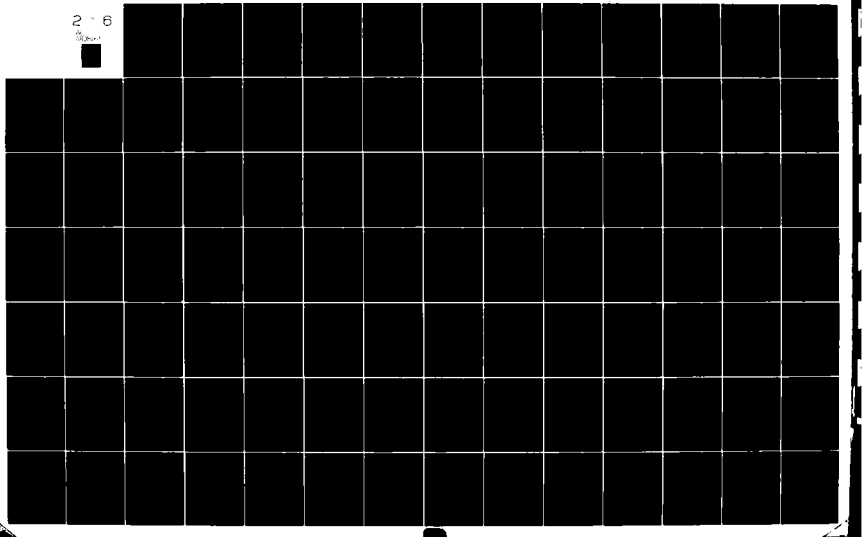
STATION NUMBER: 12919

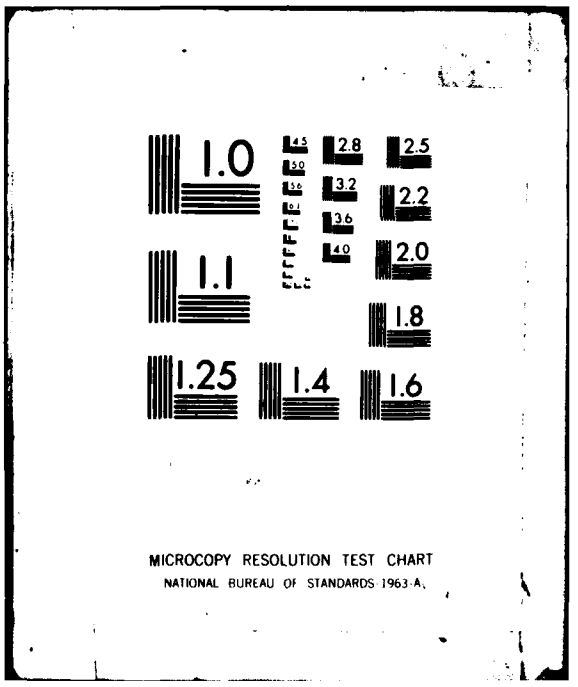
NO. OBS.:

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	7.0	.0	3.5	.0	.0	.0	.9	.0	.0	.0	.0	.0	12.2	10.6
NNE	.0	1.7	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	5.7
NE	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	8.0
ENE	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	3.0
E	.0	4.6	.0	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.6
ESE	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	8.5
SE	.0	.9	.0	4.3	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	6.1	7.6
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	13.3
SSW	.0	.0	.0	1.7	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	2.6	11.0
SW	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.2
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.9	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.2
WNW	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	9.5
NW	.0	1.7	.0	10.4	.0	1.7	.0	1.7	.0	.0	.0	.0	.0	.0	.0	15.7	10.3
NNW	.0	1.7	.0	13.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.4	8.5
CALM	.0	12.2													.0	12.2	
TOTAL	.1	28.1	.1	59.1	.0	19.4	.0	2.6	.0	1.7	.0	.0	.0	.0	.3	1.0	7.7

AD-A108 165 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL



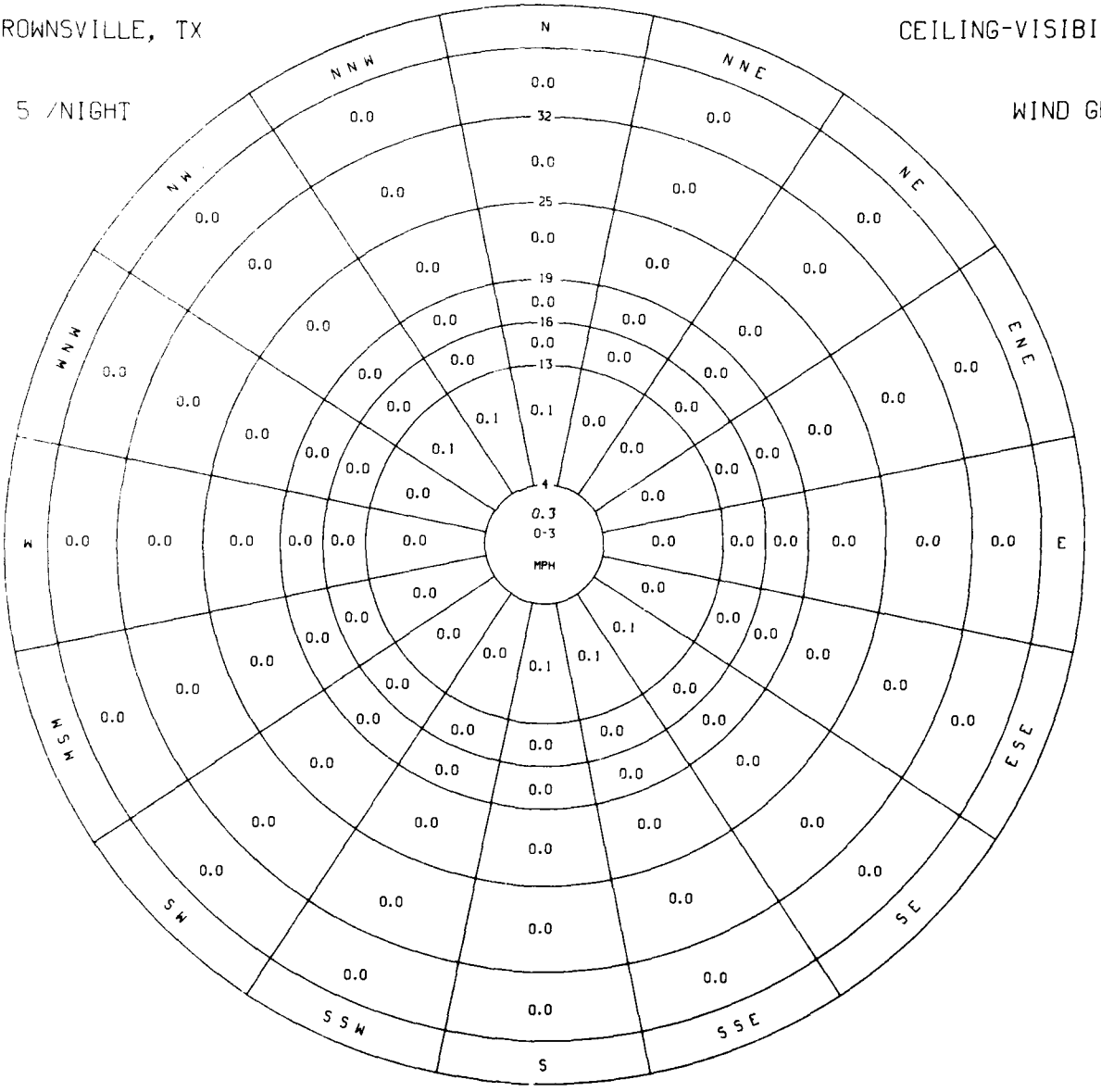

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 12919

NO. OBS.: 421

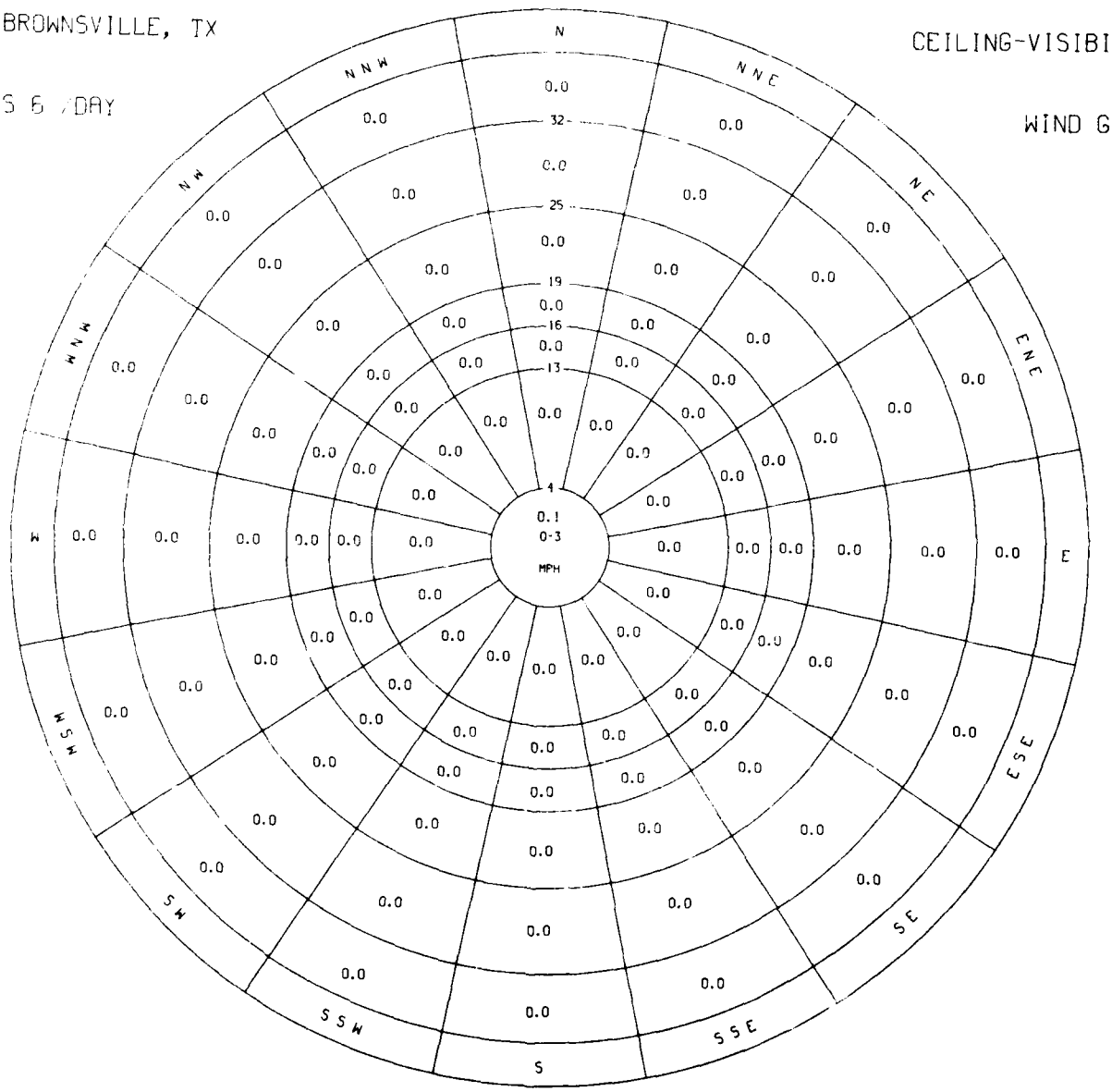
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.7	.1	7.4	.0	1.2	.0	.2	.0	.5	.0	.0	.0	.0	.1	10.9	8.0
NNE	.0	.5	.0	2.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.6	8.1
NE	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.7
ENE	.0	1.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	5.9
E	.0	.7	.0	3.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.9
ESE	.0	1.2	.0	2.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	6.5
SE	.0	2.4	.1	6.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.3	6.2
SSE	.0	1.9	.1	5.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.3	6.8
S	.0	2.4	.1	4.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.4	6.1
SSW	.0	1.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.5
SW	.0	.5	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.5
WSW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.9
W	.0	1.4	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.6
WNW	.0	.7	.0	3.3	.0	.2	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.8	7.4
NW	.0	1.2	.1	6.9	.0	1.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	9.7	8.6
NNW	.0	.2	.1	7.8	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.1	10.0	9.4
CALM	.1	11.6													.1	11.6	
TOTAL	.3	29.7	.7	62.2	.1	5.5	.0	1.9	.0	.7	.0	.0	.0	.0	1.1	100	6.3

BRO BROWNSVILLE, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 12919

NO. OBS.: 108

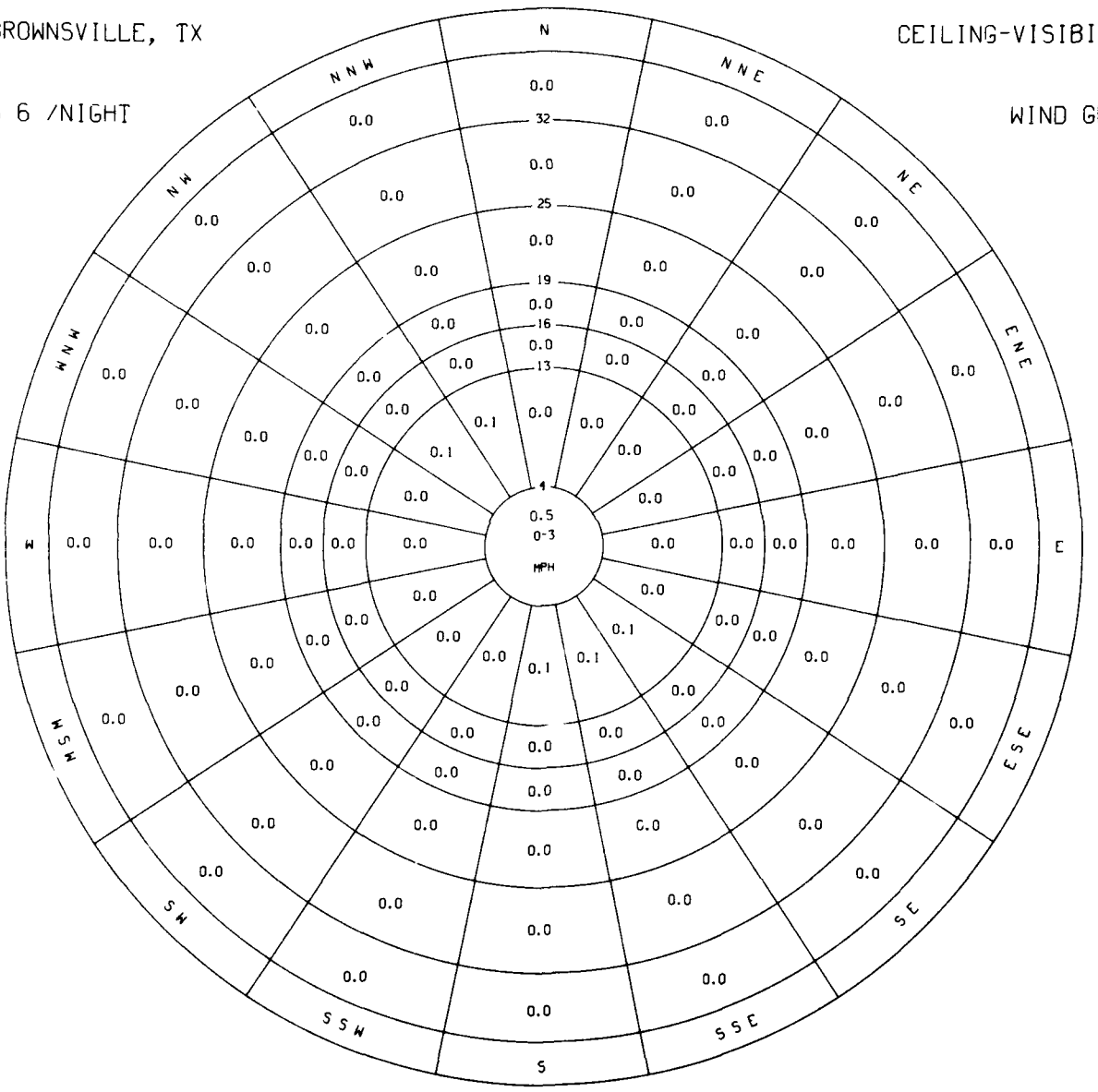
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.9	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0	6.8
NNE	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.0
NE	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.5
ENE	.0	.9	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	5.3
E	.0	3.7	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	5.3
ESE	.0	2.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.6
SE	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.0
SSE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	8.0
S	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.8
SSW	.0	2.8	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	5.0
SW	.0	.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	4.3
WSW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	4.5
W	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.0
WNW	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	6.7
NW	.0	.0	.0	9.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.3	7.4
NNW	.0	3.7	.0	10.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.8	6.3
CALM	.0	12.0													.0	12.0	
TOTAL	.1	34.3	.1	64.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.2	100	5.3

BRO BROWNSVILLE, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BRO BROWNSVILLE, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 12919

NO. OBS.: 451

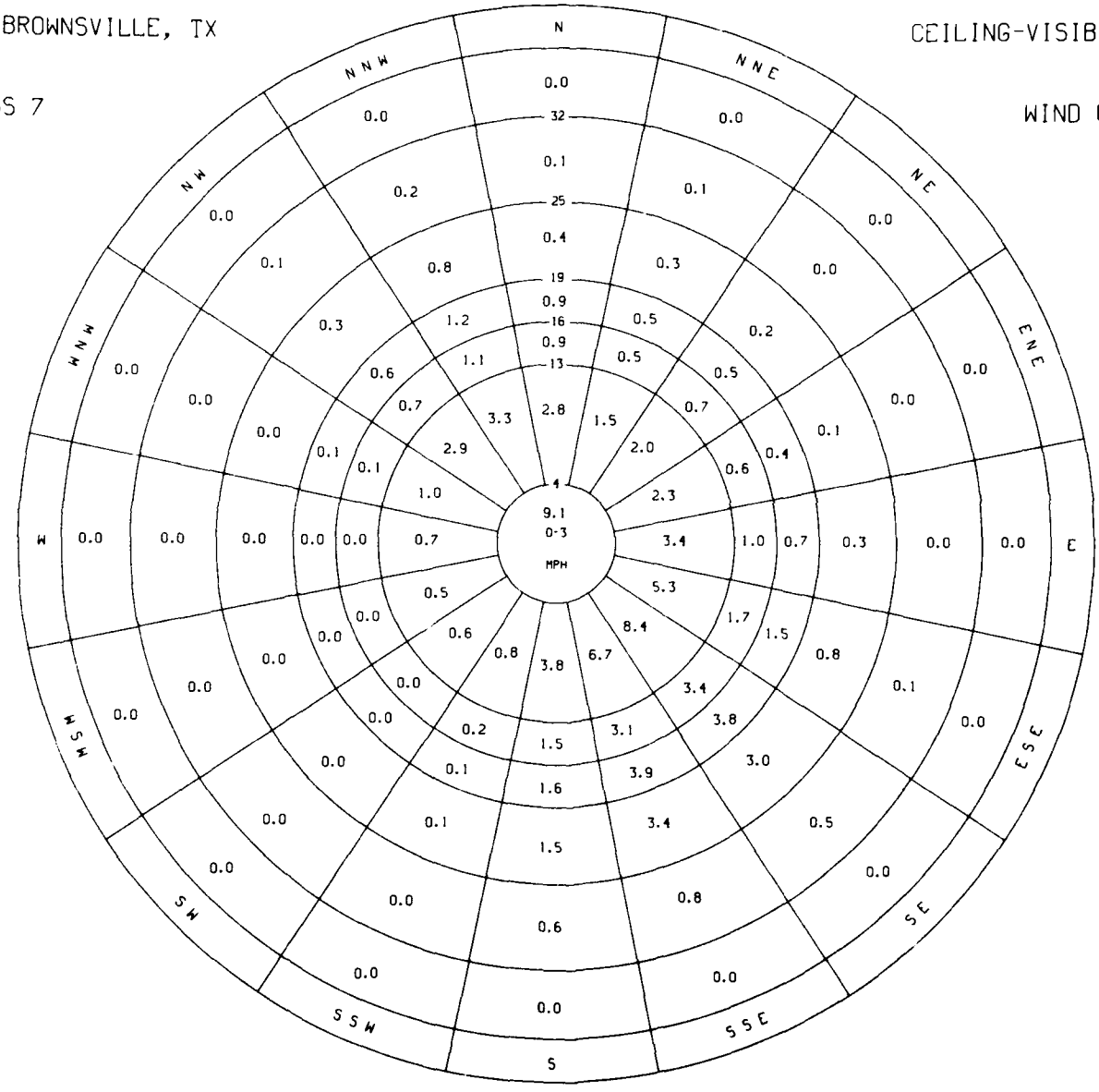
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	5.3
NNE	.0	1.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	4.5
NE	.0	1.1	.0	1.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.3	6.5
ENE	.0	.7	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.4
E	.0	1.8	.0	2.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.9	5.5
ESE	.0	2.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.9	5.1
SE	.0	2.7	.1	7.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	10.2	6.2
SSE	.0	2.2	.1	6.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	5.9
S	.0	2.0	.1	6.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	6.2
SSW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.3
SW	.0	.7	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.8
WSW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	5.5
W	.0	.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.6
WNW	.0	.4	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.9
NW	.0	1.8	.1	6.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.2	6.6
NNW	.0	.9	.1	6.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.2	6.6
CALM	.2	17.5													.2	17.5	
TOTAL	.5	40.1	.7	57.2	.0	2.0	.0	.7	.0	.0	.0	.0	.0	.0	1.2	100	4.9

BRO BROWNSVILLE, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

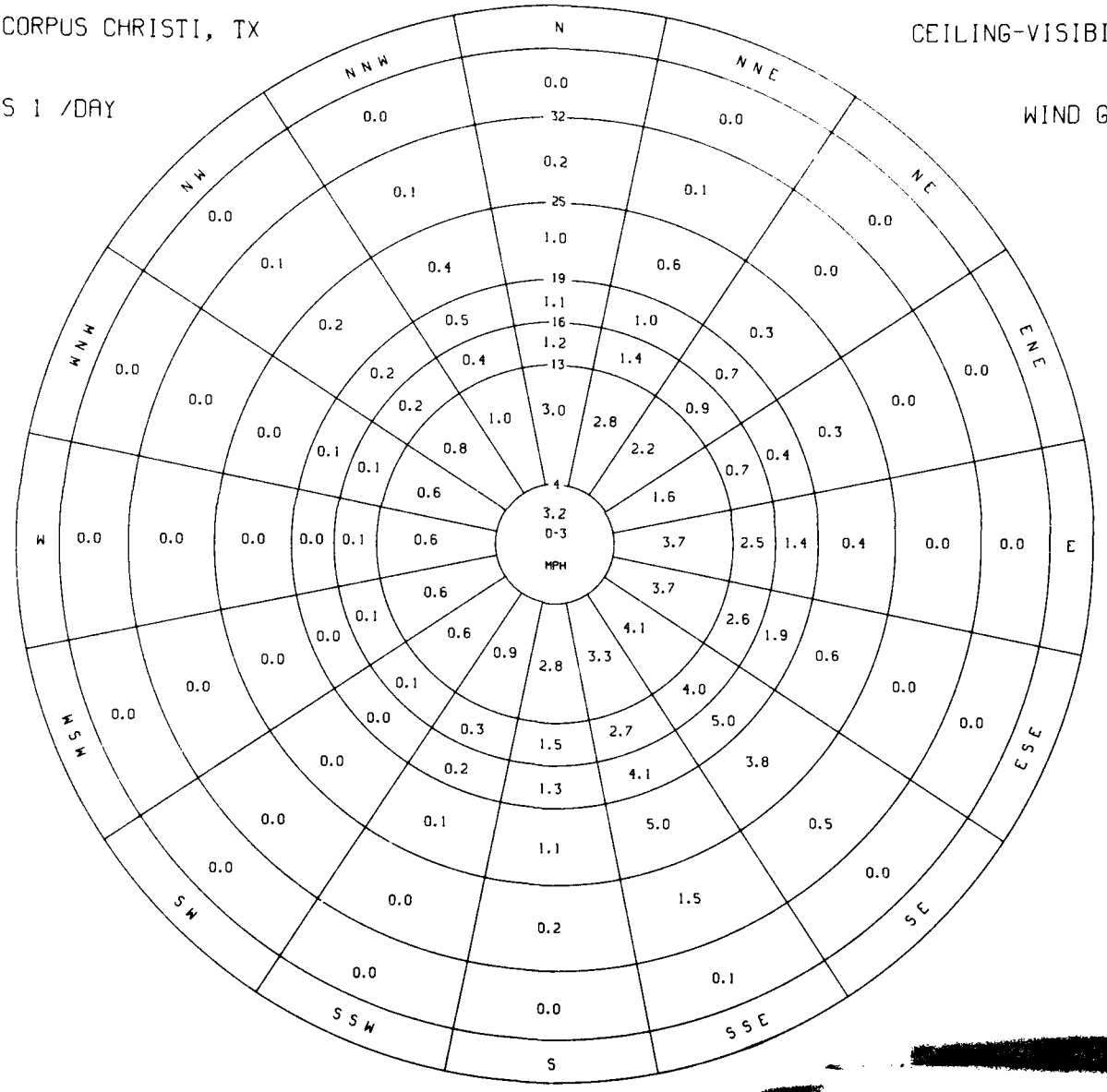


CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 1 / DAY

STATION NUMBER: 12924

NO. OBS.: 26329

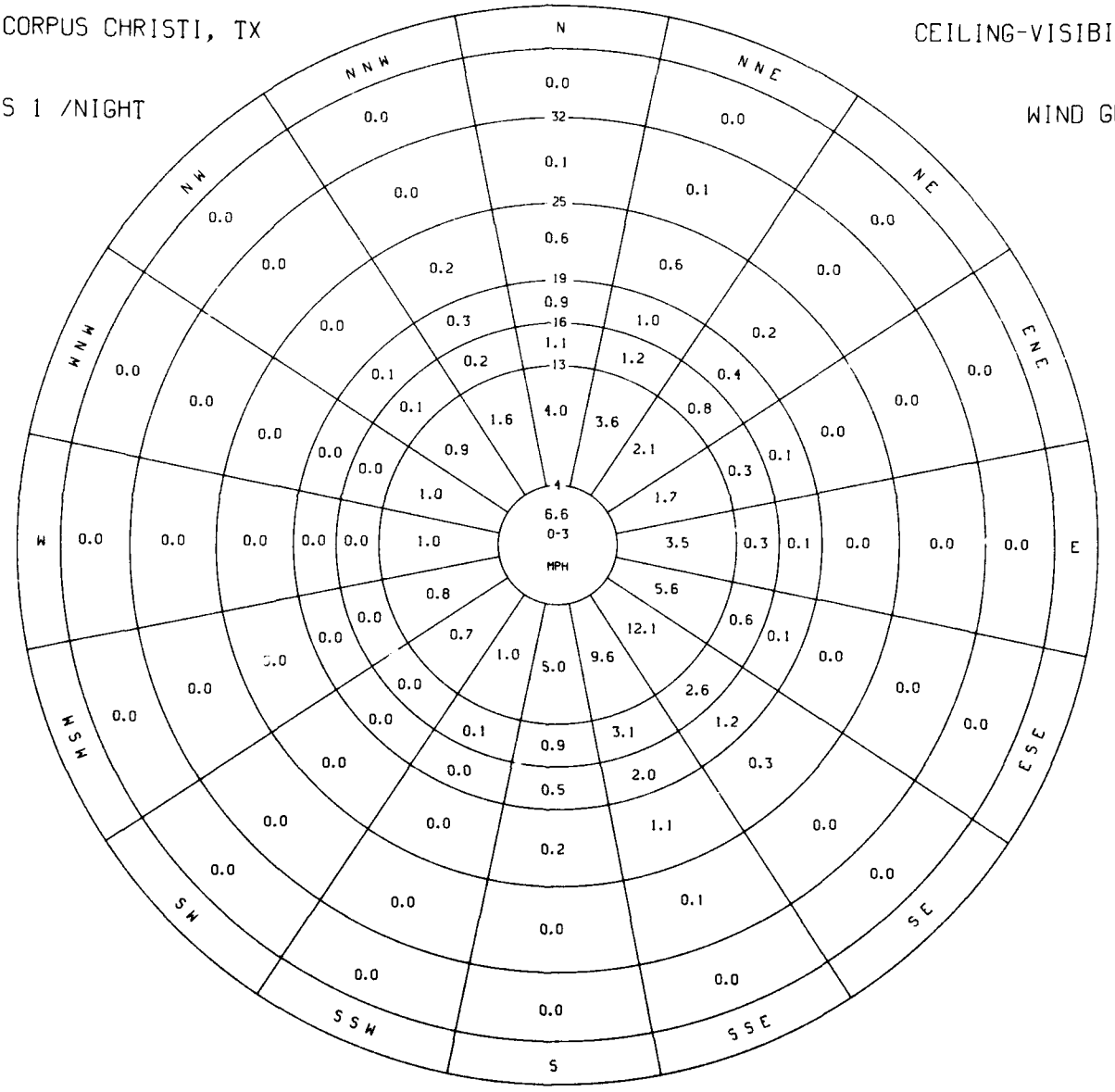
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.2	3.0	3.4	1.2	1.4	1.1	1.3	1.0	1.1	.2	.2	.0	.0	6.7	7.5	13.2
NNE	.1	.1	2.8	3.1	1.4	1.5	1.0	1.2	.6	.7	.1	.1	.0	.0	6.0	6.7	12.8
NE	.1	.1	2.2	2.4	.9	1.0	.7	.8	.3	.4	.0	.0	.0	.0	4.3	4.8	12.2
ENE	.1	.1	1.6	1.8	.7	.8	.4	.4	.3	.3	.0	.0	.0	.0	3.0	3.3	11.9
E	.1	.2	3.7	4.1	2.5	2.9	1.4	1.6	.4	.5	.0	.0	.0	.0	8.2	9.3	12.5
ESE	.2	.2	3.7	4.2	2.6	2.9	1.9	2.1	.6	.7	.0	.0	.0	.0	9.0	10.2	12.7
SE	.2	.2	4.1	4.6	4.0	4.5	5.0	5.6	3.8	4.2	.5	.6	.0	.0	17.5	19.7	15.5
SSE	.1	.2	3.3	3.8	2.7	3.0	4.1	4.6	5.0	5.6	1.5	1.7	.1	.1	16.8	18.9	17.1
S	.2	.3	2.8	3.1	1.5	1.6	1.3	1.5	1.1	1.2	.2	.3	.0	.0	7.1	8.0	13.8
SSW	.1	.1	.9	1.1	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	1.6	1.8	10.8
SW	.1	.1	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	9.1
WSW	.1	.1	.6	.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	8.2
W	.1	.1	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.0	8.6
WNW	.1	.1	.6	.6	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.9	1.0	10.5
NW	.1	.1	.8	.9	.2	.3	.2	.3	.2	.2	.1	.1	.0	.0	1.6	1.8	12.8
NNW	.1	.1	1.0	1.1	.4	.5	.5	.5	.4	.5	.1	.2	.0	.0	2.5	2.8	13.9
CALM	1.2	1.4													1.2	1.4	
TOTAL	3.2	3.5	32.2	36.2	18.7	21.0	18.1	20.4	13.8	15.5	2.8	3.2	.2	.2	89.0	100	13.8

CRP CORPUS CHRISTI, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 1 / NIGHT

STATION NUMBER: 12924

NO. OBS.: 19028

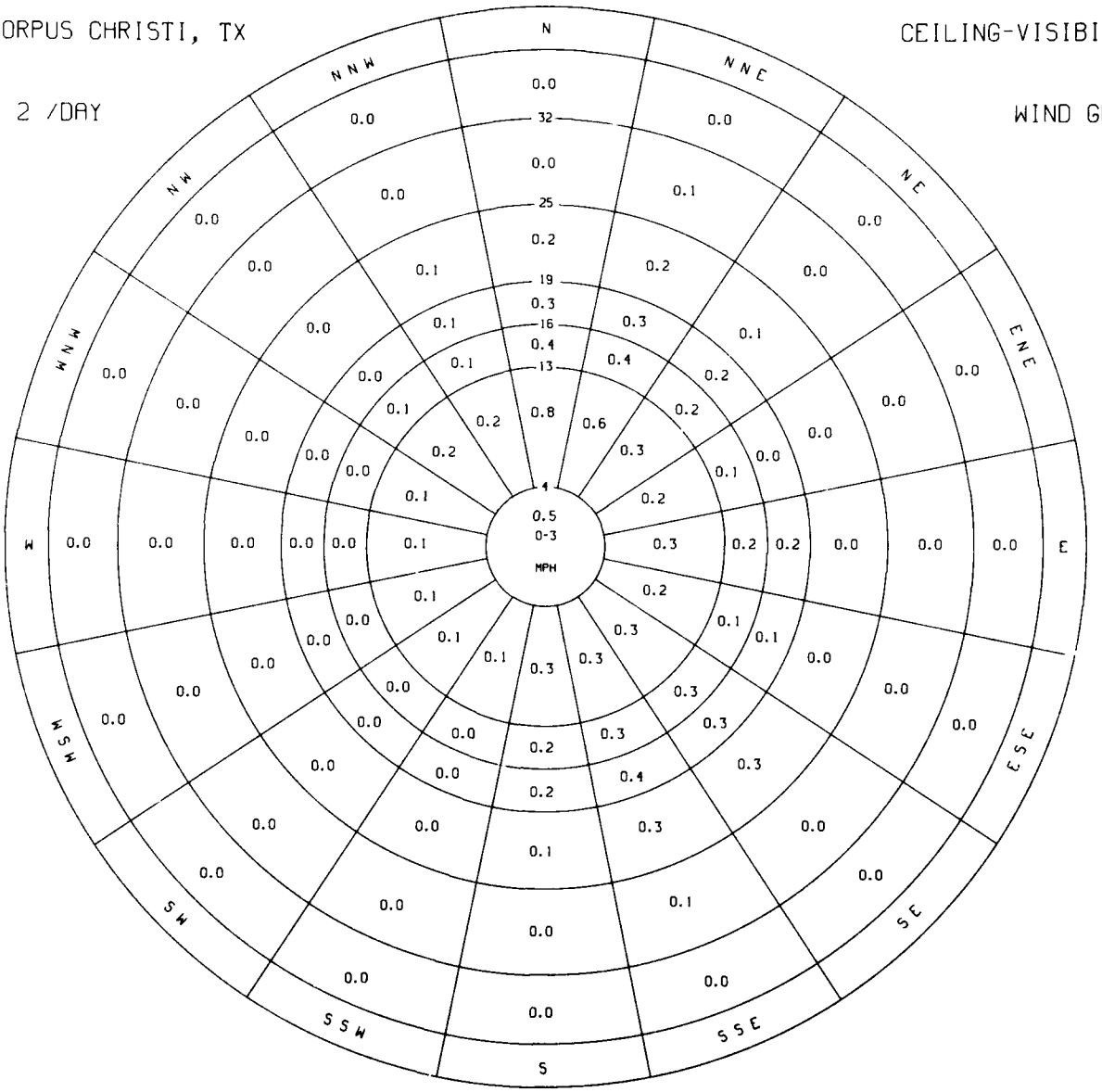
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.3	4.0	4.9	1.1	1.3	.9	1.1	.6	.7	.1	.1	.0	.0	7.0	8.4	11.4
NNE	.2	.2	3.6	4.3	1.2	1.5	1.0	1.2	.6	.7	.1	.1	.0	.0	6.7	8.0	12.0
NE	.2	.2	2.1	2.6	.8	.9	.4	.5	.2	.2	.0	.0	.0	.0	3.7	4.5	11.0
ENE	.1	.2	1.7	2.0	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	2.2	2.7	8.6
E	.4	.5	3.5	4.2	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	4.4	5.3	7.8
ESE	.4	.5	5.6	6.8	.6	.7	.1	.2	.0	.1	.0	.0	.0	.0	6.9	8.3	8.0
SE	.6	.7	12.1	14.7	2.6	3.1	1.2	1.4	.3	.3	.0	.0	.0	.0	16.8	20.3	9.6
SSE	.4	.5	9.6	11.6	3.1	3.7	2.0	2.4	1.1	1.3	.1	.1	.0	.0	16.3	19.7	11.3
S	.4	.5	5.0	6.0	.9	1.1	.5	.6	.2	.3	.0	.0	.0	.0	7.0	8.4	9.4
SSW	.1	.2	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	6.9
SW	.1	.2	.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	6.5
WSW	.1	.1	.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	6.8
W	.1	.1	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	6.6
WNW	.1	.1	1.0	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.5	7.3
NW	.1	.1	.9	1.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.2	1.4	8.1
NNW	.1	.1	1.6	1.9	.2	.3	.3	.4	.2	.2	.0	.1	.0	.0	2.4	3.0	10.4
CALM	2.9	3.5													2.9	3.5	
TOTAL	6.6	8.0	54.3	65.6	11.4	13.7	6.8	8.2	3.3	4.0	.4	.5	.0	.0	82.7	100	9.6

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-197

CLASS 2 / DAY

STATION NUMBER: 12924

NO. OBS.: 32E

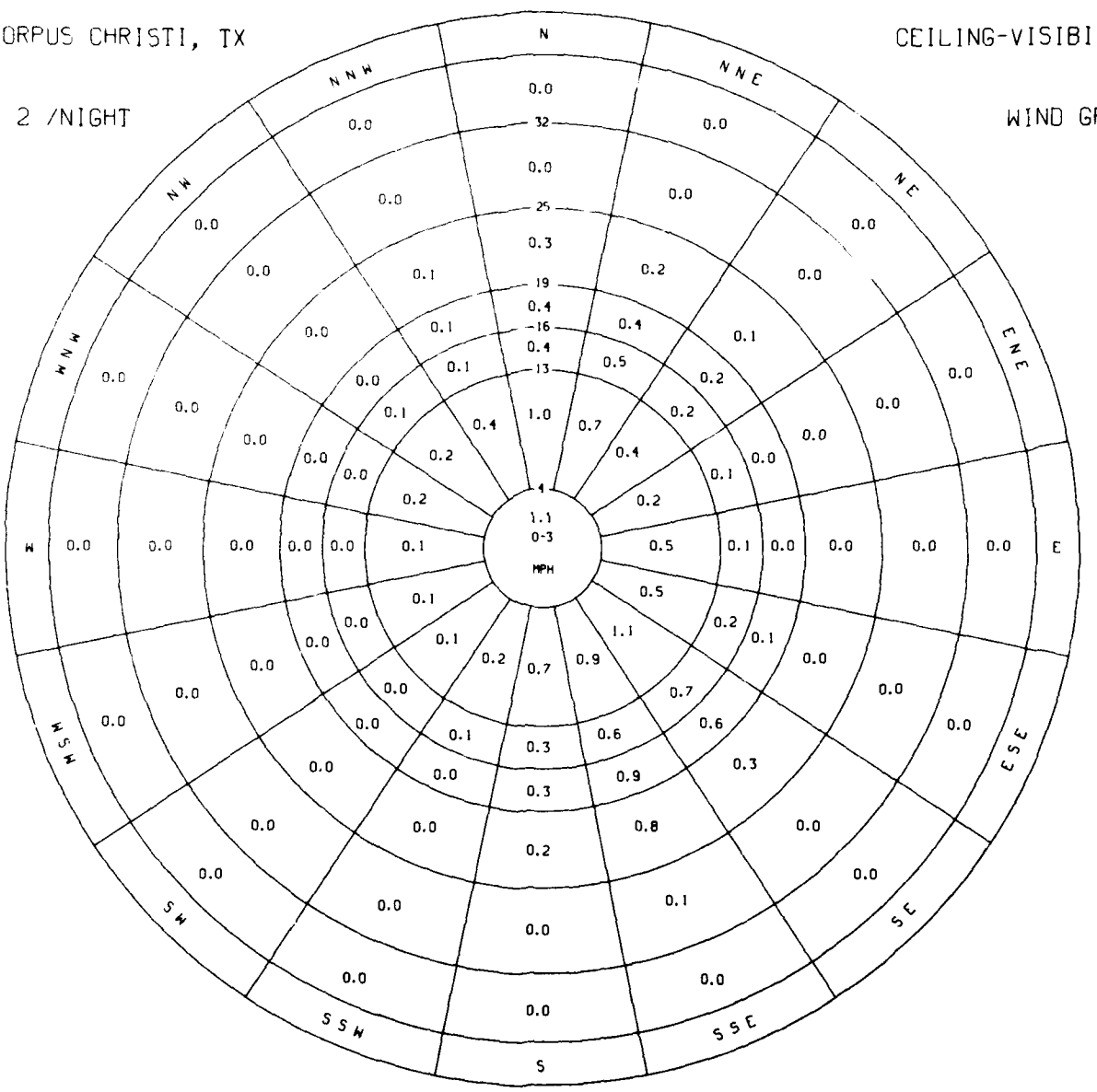
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.8	7.0	.4	3.8	.3	2.6	.2	1.9	.0	.2	.0	.0	1.7	15.9	13.1
NNE	.0	.3	.6	5.2	.4	3.5	.3	2.7	.2	2.2	.1	.6	.0	.0	1.6	14.5	14.2
NE	.0	.1	.3	3.1	.2	1.8	.2	1.7	.1	1.2	.0	.2	.0	.0	.9	8.1	13.8
ENE	.0	.1	.2	1.7	.1	.9	.0	.4	.0	.4	.0	.0	.0	.0	.4	3.5	12.6
E	.0	.1	.3	2.5	.2	1.4	.2	1.4	.0	.4	.0	.1	.0	.1	.7	5.9	13.5
ESE	.0	.2	.2	2.2	.1	.9	.1	.8	.0	.4	.0	.0	.0	.0	.5	4.6	12.8
SE	.0	.2	.3	2.5	.3	2.3	.3	2.8	.3	2.8	.0	.2	.0	.0	1.2	10.9	15.6
SSE	.0	.1	.3	2.8	.3	2.9	.4	3.3	.3	3.1	.1	.7	.0	.0	1.4	13.0	16.2
S	.0	.1	.3	2.5	.2	1.6	.2	1.4	.1	1.2	.0	.2	.0	.0	.8	7.0	14.1
SSW	.0	.1	.1	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.4	9.2
SW	.0	.1	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.2	7.8
WSW	.0	.2	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.4
W	.0	.0	.1	.8	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	1.1	9.0
WNW	.0	.0	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.1	.1	1.3	10.8
NW	.0	.1	.2	1.5	.1	.6	.0	.3	.0	.4	.0	.1	.0	.1	.3	3.2	14.0
NNW	.0	.1	.2	2.2	.1	1.1	.1	1.0	.1	.7	.0	.2	.0	.0	.6	5.3	13.4
CALM	.2	2.1													.2	2.1	
TOTAL	.5	4.3	4.2	37.7	2.4	21.8	2.1	18.7	1.6	14.8	.3	2.4	.0	.4	11.0	100	13.6

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-197

CLASS 2 / NIGHT

STATION NUMBER: 12924

NO. OBS.: 397

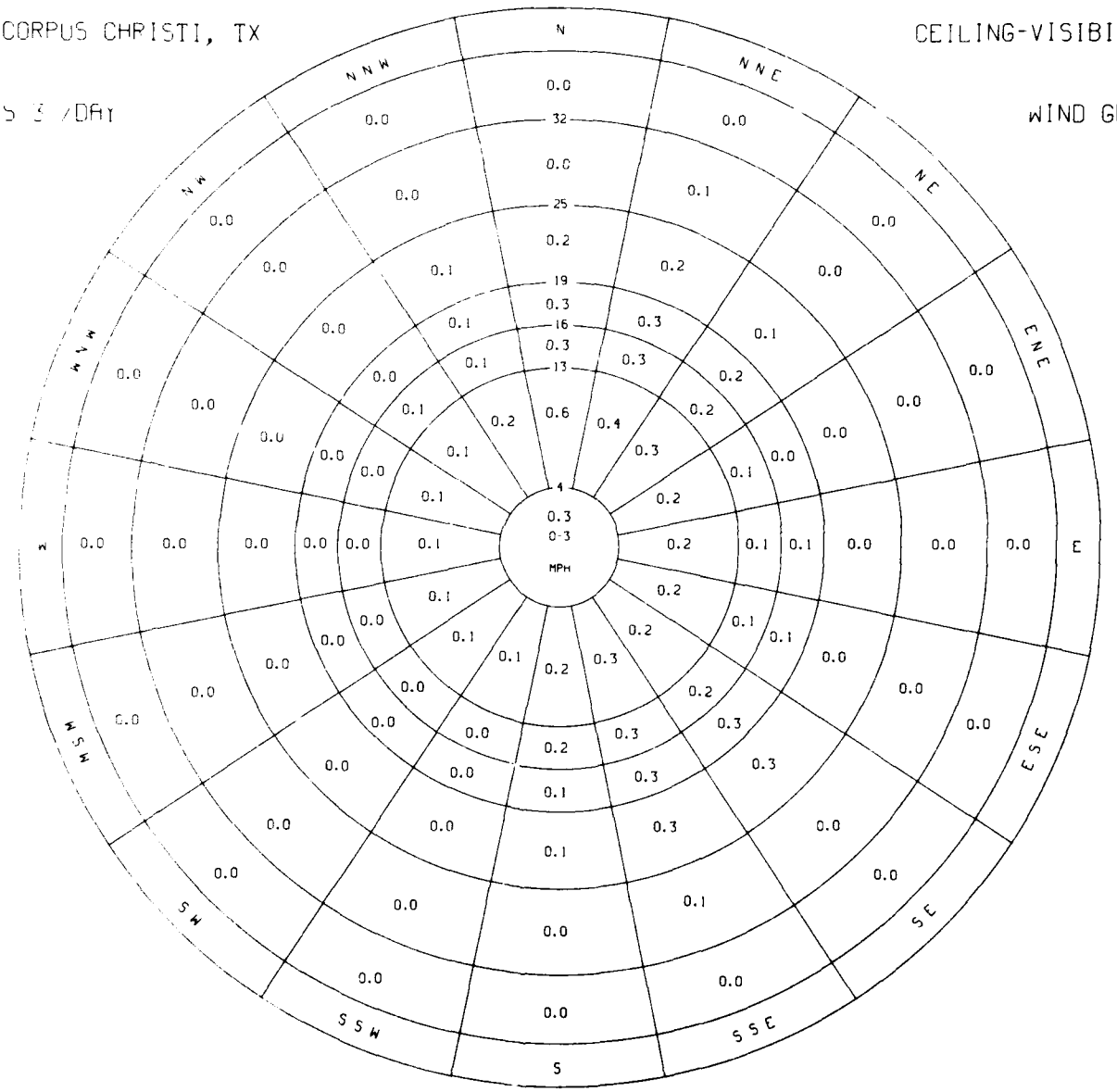
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	1.0	5.6	.4	2.4	.4	2.2	.3	1.5	.0	.3	.0	.0	2.1	12.2	13.2
NNE	.0	.3	.7	4.3	.5	2.8	.4	2.2	.2	1.4	.0	.3	.0	.1	2.0	11.3	13.7
NE	.0	.2	.4	2.2	.2	1.1	.2	1.0	.1	.6	.0	.0	.0	.0	.9	5.1	12.8
ENE	.0	.1	.2	1.4	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.4	2.4	11.1
E	.0	.2	.5	2.6	.1	.7	.0	.3	.0	.2	.0	.0	.0	.0	.7	4.0	10.1
ESE	.0	.2	.5	2.8	.2	1.1	.1	.7	.0	.2	.0	.0	.0	.0	.9	5.1	11.6
SE	.0	.2	1.1	6.1	.7	3.9	.6	3.8	.3	2.0	.0	.2	.0	.0	2.8	16.2	13.6
SSE	.1	.3	.9	4.9	.6	3.7	.9	5.4	.8	4.8	.1	.8	.0	.1	3.4	19.9	15.8
S	.1	.4	.7	3.8	.3	1.9	.3	1.6	.2	1.1	.0	.2	.0	.0	1.5	9.0	12.8
SSW	.0	.1	.2	1.3	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.8	9.3
SW	.0	.2	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	7.2
WSW	.0	.2	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	6.0
W	.0	.3	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	7.8
WNW	.0	.1	.2	.9	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2	1.3	9.0
NW	.0	.2	.2	1.1	.1	.3	.0	.3	.0	.1	.0	.0	.0	.0	.4	2.0	10.9
NNW	.0	.2	.4	2.1	.1	.9	.1	.5	.1	.4	.0	.1	.0	.1	.7	4.2	12.4
CALM	.5	2.9													.5	2.9	
TOTAL	1.1	6.2	7.1	40.9	3.5	20.0	3.2	18.3	2.2	12.5	.3	1.8	.1	.4	17.3	100	12.8

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 3 / DAY

STATION NUMBER: 12924

NO. OBS.: 2768

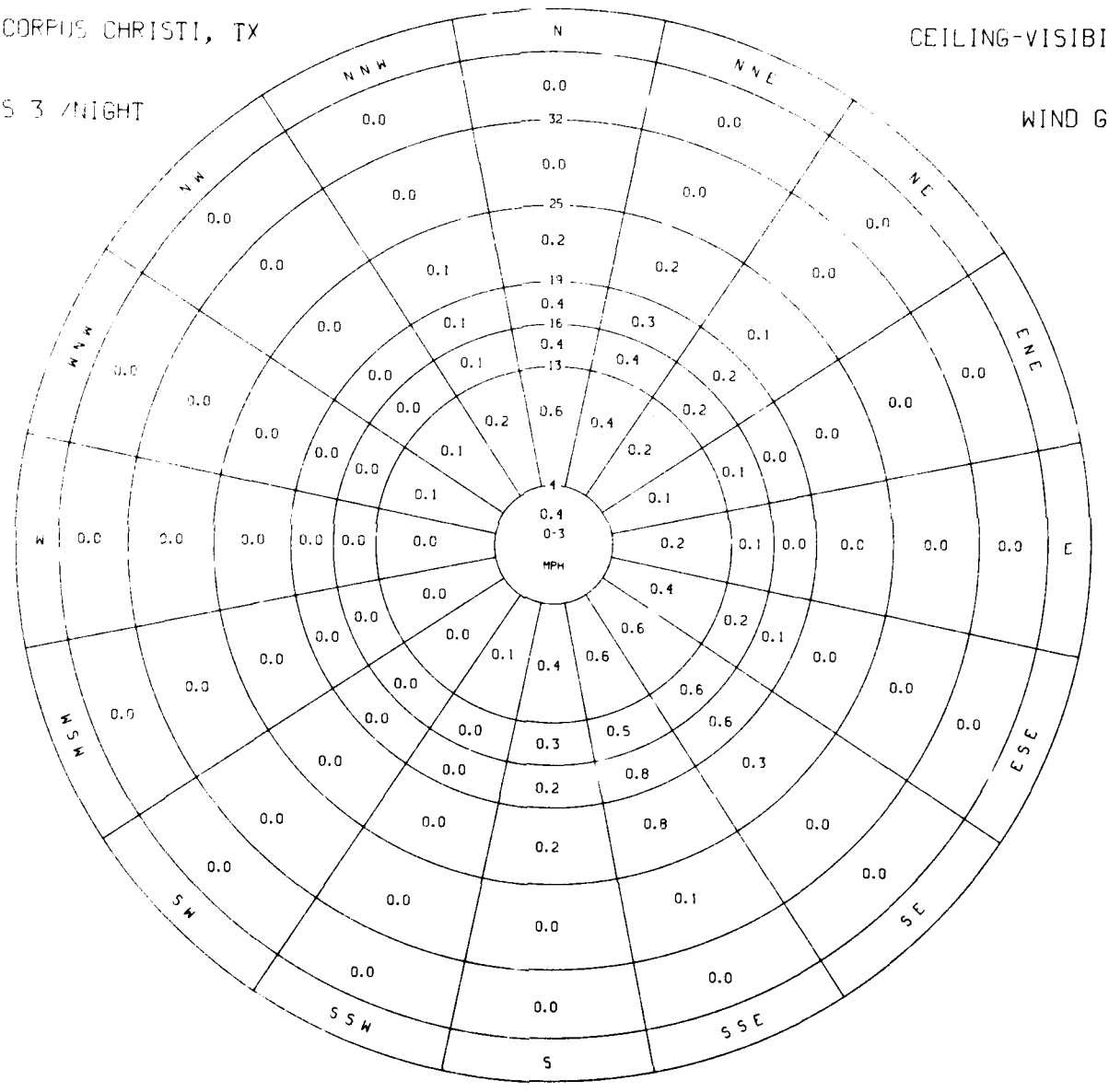
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.6	6.3	.3	3.7	.3	3.0	.2	2.2	.0	.2	.0	.0	1.5	15.6	13.6
NNE	.0	.1	.4	4.4	.3	3.4	.3	2.9	.2	2.5	.1	.6	.0	.0	1.3	14.0	14.9
NE	.0	.0	.3	2.7	.2	1.9	.2	1.9	.1	1.3	.0	.2	.0	.0	.7	7.9	14.4
ENE	.0	.0	.2	1.8	.1	.9	.0	.4	.0	.4	.0	.0	.0	.0	.3	3.5	12.8
E	.0	.1	.2	2.5	.1	1.4	.1	1.5	.0	.4	.0	.1	.0	.1	.6	6.1	13.7
ESE	.0	.1	.2	1.8	.1	1.0	.1	.9	.0	.5	.0	.0	.0	.0	.4	4.4	13.6
SE	.0	.1	.2	2.5	.2	2.5	.3	3.2	.3	3.2	.0	.3	.0	.0	1.1	11.8	16.0
SSE	.0	.1	.3	2.7	.3	3.1	.3	3.7	.3	3.6	.1	.8	.0	.0	1.3	14.1	16.5
S	.0	.1	.2	2.4	.2	1.7	.1	1.4	.1	1.4	.0	.2	.0	.0	.7	7.2	14.5
SSW	.0	.1	.1	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	9.6
SW	.0	.1	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.6
WSW	.0	.2	.1	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.8
W	.0	.0	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.0	9.3
WNW	.0	.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.1	.1	1.0	12.1
NW	.0	.1	.1	1.2	.1	.6	.0	.3	.0	.4	.0	.1	.0	.1	.3	2.9	15.1
NNW	.0	.1	.2	2.0	.1	1.2	.1	1.2	.1	.8	.0	.2	.0	.0	.5	5.4	14.0
CALM	.1	1.3													.1	1.3	
TOTAL	.3	2.9	3.2	34.2	2.1	22.4	1.9	20.6	1.6	16.8	.3	2.7	.0	.4	9.4	100	14.2

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 3 / NIGHT

STATION NUMBER: 12924

NO. OBS.: 2922

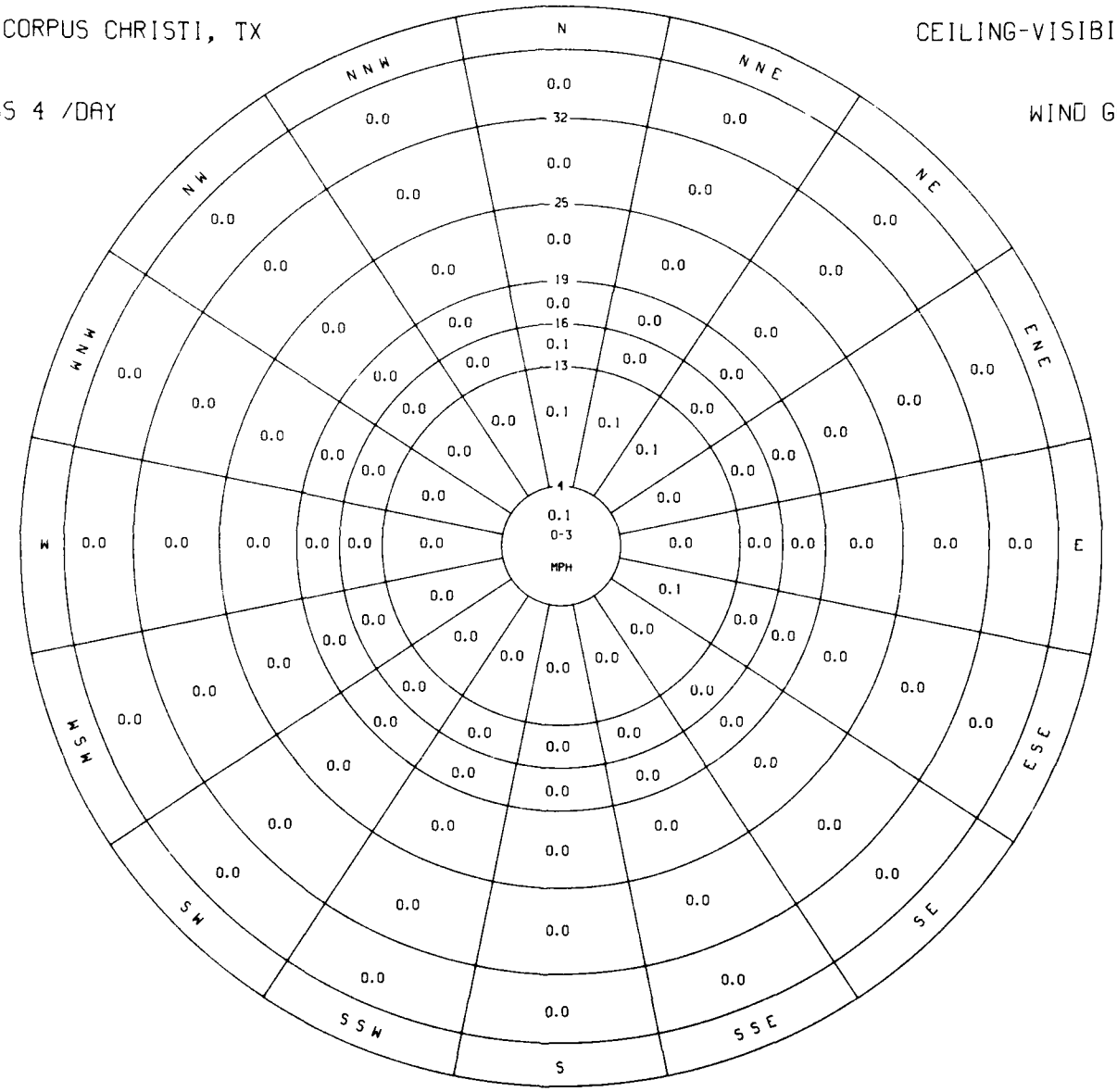
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.6	5.0	.4	2.9	.4	2.8	.2	1.8	.0	.3	.0	.0	1.7	13.1	14.1
NNE	.0	.2	.4	3.4	.4	2.9	.3	2.6	.2	1.8	.0	.3	.0	.1	1.4	11.4	14.8
NE	.0	.1	.2	1.7	.2	1.3	.2	1.3	.1	.7	.0	.0	.0	.0	.7	5.3	13.9
ENE	.0	.1	.1	1.0	.1	.5	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.1	12.5
E	.0	.1	.2	1.9	.1	.8	.0	.3	.0	.2	.0	.0	.0	.0	.4	3.4	11.1
ESE	.0	.1	.4	2.9	.2	1.3	.1	.9	.0	.3	.0	.0	.0	.0	.7	5.5	12.4
SE	.0	.1	.6	5.1	.6	4.7	.6	4.8	.3	2.6	.0	.3	.0	.0	2.2	17.5	14.7
SSE	.0	.2	.6	4.6	.5	4.0	.8	6.5	.8	6.0	.1	1.0	.0	.1	2.8	22.3	16.5
S	.0	.2	.4	2.9	.3	2.0	.2	1.7	.2	1.4	.0	.2	.0	.0	1.1	8.5	14.0
SSW	.0	.0	.1	.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.4	10.4
SW	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	7.9
WSW	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	6.5
W	.0	.1	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	10.2
WNW	.0	.0	.1	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.0	10.7
NW	.0	.1	.1	.9	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.2	1.7	12.0
NNW	.0	.1	.2	1.6	.1	1.0	.1	.6	.1	.5	.0	.1	.0	.1	.5	4.0	13.8
CALM	.2	1.4													.2	1.4	
TOTAL	.4	3.3	4.2	33.4	2.9	22.5	2.8	22.1	2.0	15.8	.3	2.5	.1	.4	12.7	100	14.2

CRP CORPUS CHRISTI, TX

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 4 / DAY

STATION NUMBER: 12924

NO. OBS.: 311

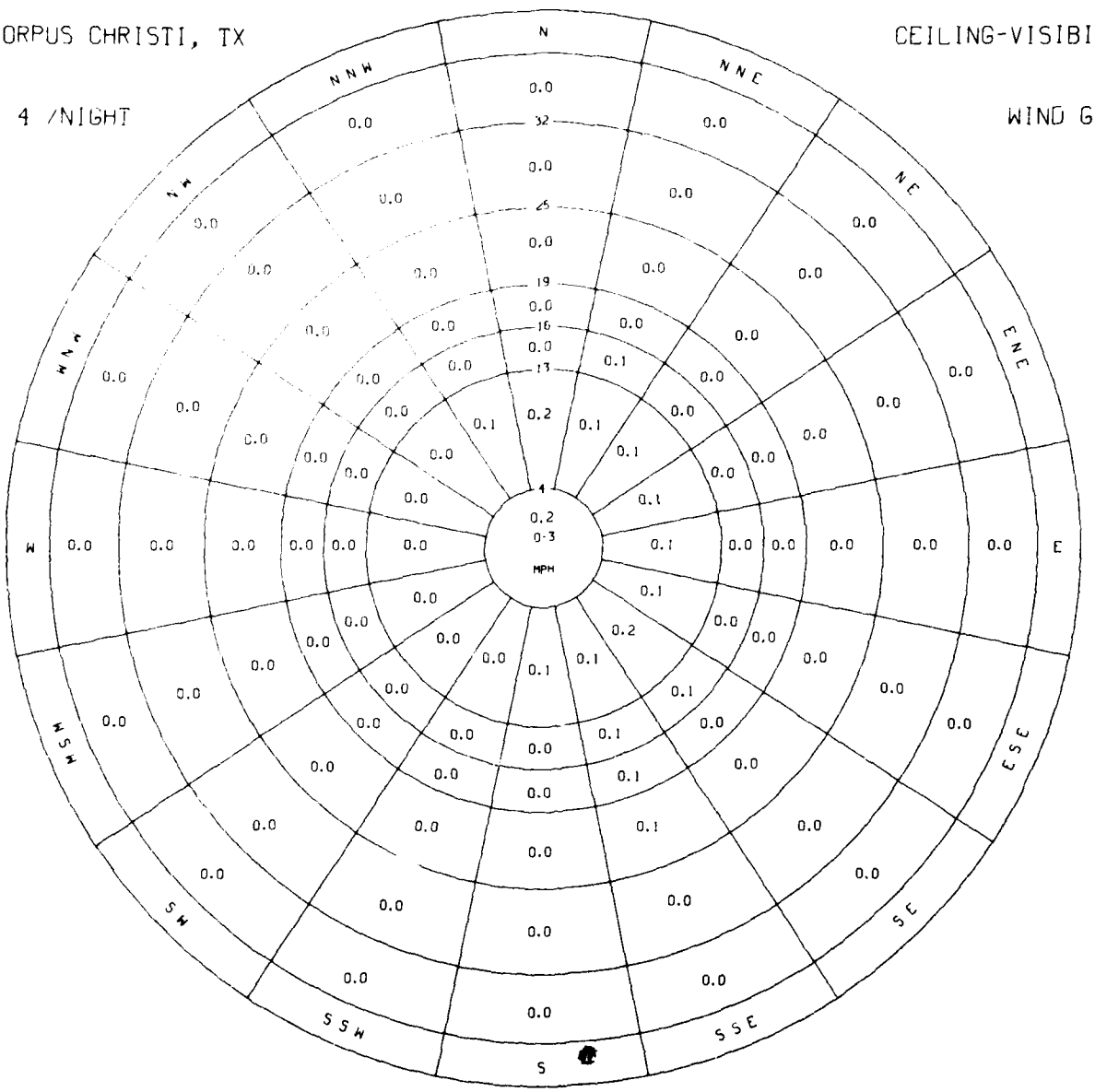
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.1	9.3	.1	6.1	.0	.6	.0	.3	.0	.0	.0	.3	.2	16.7	11.8
NNE	.0	.6	.1	10.9	.0	4.5	.0	2.6	.0	1.0	.0	.6	.0	.0	.2	20.3	12.1
NE	.0	.0	.1	5.1	.0	1.3	.0	1.0	.0	1.3	.0	.0	.0	.0	.1	8.7	12.3
ENE	.0	.3	.0	1.0	.0	1.0	.0	.6	.0	.3	.0	.0	.0	.0	.0	3.2	12.2
E	.0	.0	.0	1.9	.0	1.6	.0	1.0	.0	.6	.0	.0	.0	.0	.1	5.1	13.0
ESE	.0	.3	.1	4.8	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.1	6.4	9.1
SE	.0	1.3	.0	2.9	.0	1.9	.0	.3	.0	.3	.0	.3	.0	.0	.1	7.1	11.1
SSE	.0	.0	.0	2.9	.0	1.6	.0	1.6	.0	.6	.0	.0	.0	.0	.1	6.8	13.3
S	.0	.3	.0	2.9	.0	1.3	.0	1.6	.0	.0	.0	.0	.0	.0	.1	6.1	11.2
SSW	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
SW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	10.2
WSW	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.0
W	.0	.0	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	9.7
WNW	.0	.3	.0	1.6	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.3	7.6
NW	.0	.0	.0	2.6	.0	1.6	.0	.3	.0	.3	.0	.0	.0	.0	.1	4.8	11.8
NNW	.0	.0	.0	3.5	.0	.6	.0	.6	.0	.3	.0	.0	.0	.0	.1	5.1	11.1
CALM	.0	2.9													.0	2.9	
TOTAL	.1	6.8	.6	53.1	.2	22.5	.1	11.3	.1	5.1	.0	1.0	.0	.3	1.1	100	11.2

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 4 / NIGHT

STATION NUMBER: 12924

NO. OBS.: 514

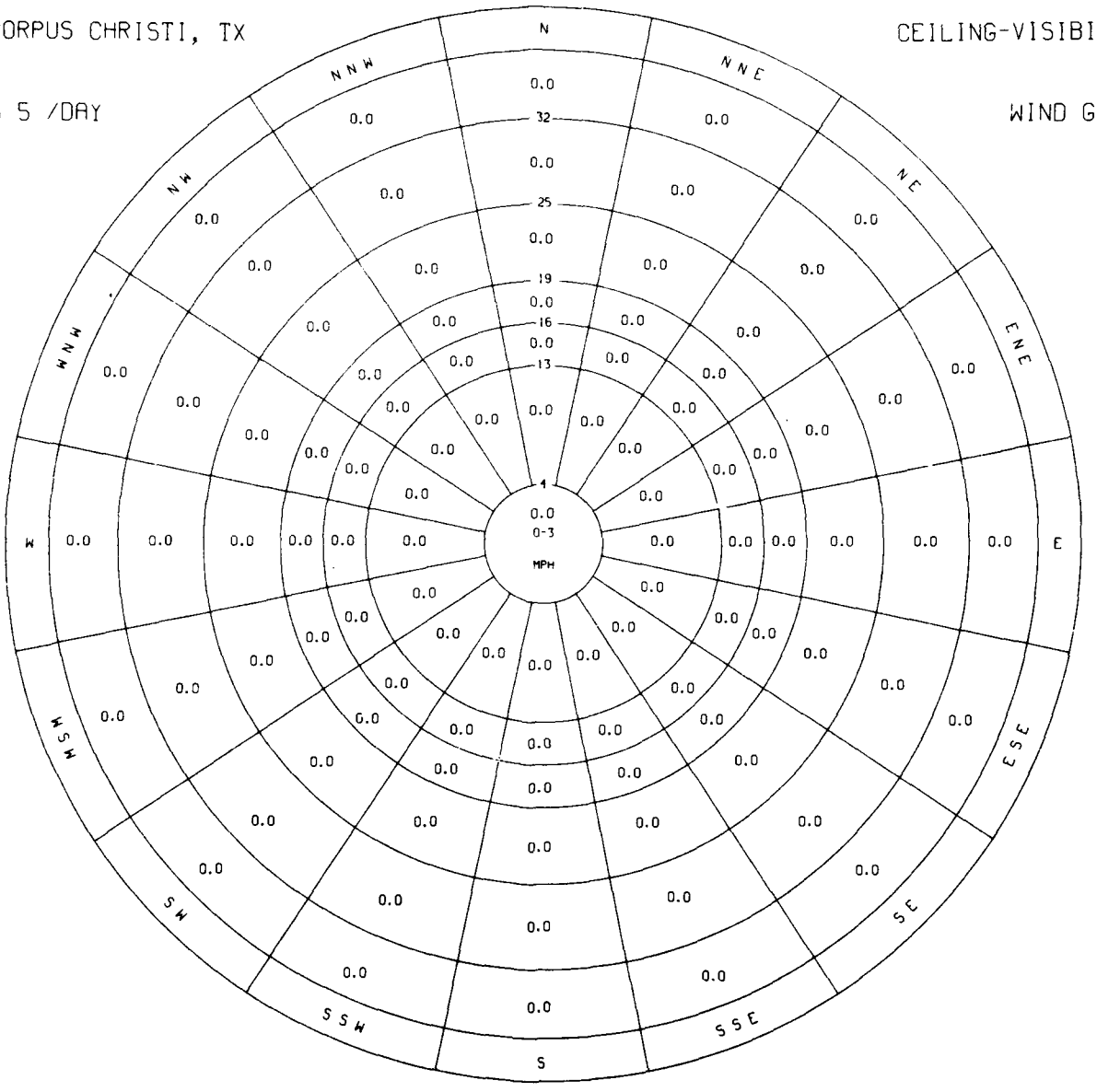
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.2	7.2	.0	1.8	.0	1.2	.0	1.2	.0	.0	.0	.0	.3	11.5	11.5
NNE	.0	.0	.1	6.0	.1	3.9	.0	2.1	.0	.8	.0	.0	.0	.0	.3	12.8	12.4
NE	.0	.2	.1	3.7	.0	.6	.0	.4	.0	.2	.0	.0	.0	.0	.1	5.1	10.0
ENE	.0	.2	.1	3.3	.0	.6	.0	.4	.0	.2	.0	.0	.0	.0	.1	4.7	9.9
E	.0	.0	.1	3.7	.0	.8	.0	.4	.0	.2	.0	.0	.0	.0	.1	5.1	10.2
ESE	.0	.4	.1	2.3	.0	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.9	9.9
SE	.0	.6	.2	8.0	.1	2.7	.0	1.2	.0	.4	.0	.0	.0	.0	.3	12.8	10.5
SSE	.0	.0	.1	4.9	.1	3.9	.1	4.3	.1	2.5	.0	.2	.0	.2	.4	16.0	14.9
S	.0	.4	.1	5.1	.0	1.9	.0	2.1	.0	.6	.0	.0	.0	.0	.2	10.1	11.7
SSW	.0	.0	.0	1.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	9.0
SW	.0	.0	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.4
WSW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.0
W	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	7.5
WNW	.0	.4	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	8.8
NW	.0	1.0	.0	1.8	.0	.8	.0	.6	.0	.0	.0	.0	.0	.0	.1	4.1	9.7
NNW	.0	.0	.1	3.5	.0	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.7	10.3
CALM	.1	3.9													.1	3.9	
TOTAL	.2	7.8	1.2	52.3	.5	20.4	.3	13.0	.1	6.0	.0	.2	.0	.2	2.2	100	11.0

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 5 / DAY

STATION NUMBER: 12924

NO. OBS.: 86

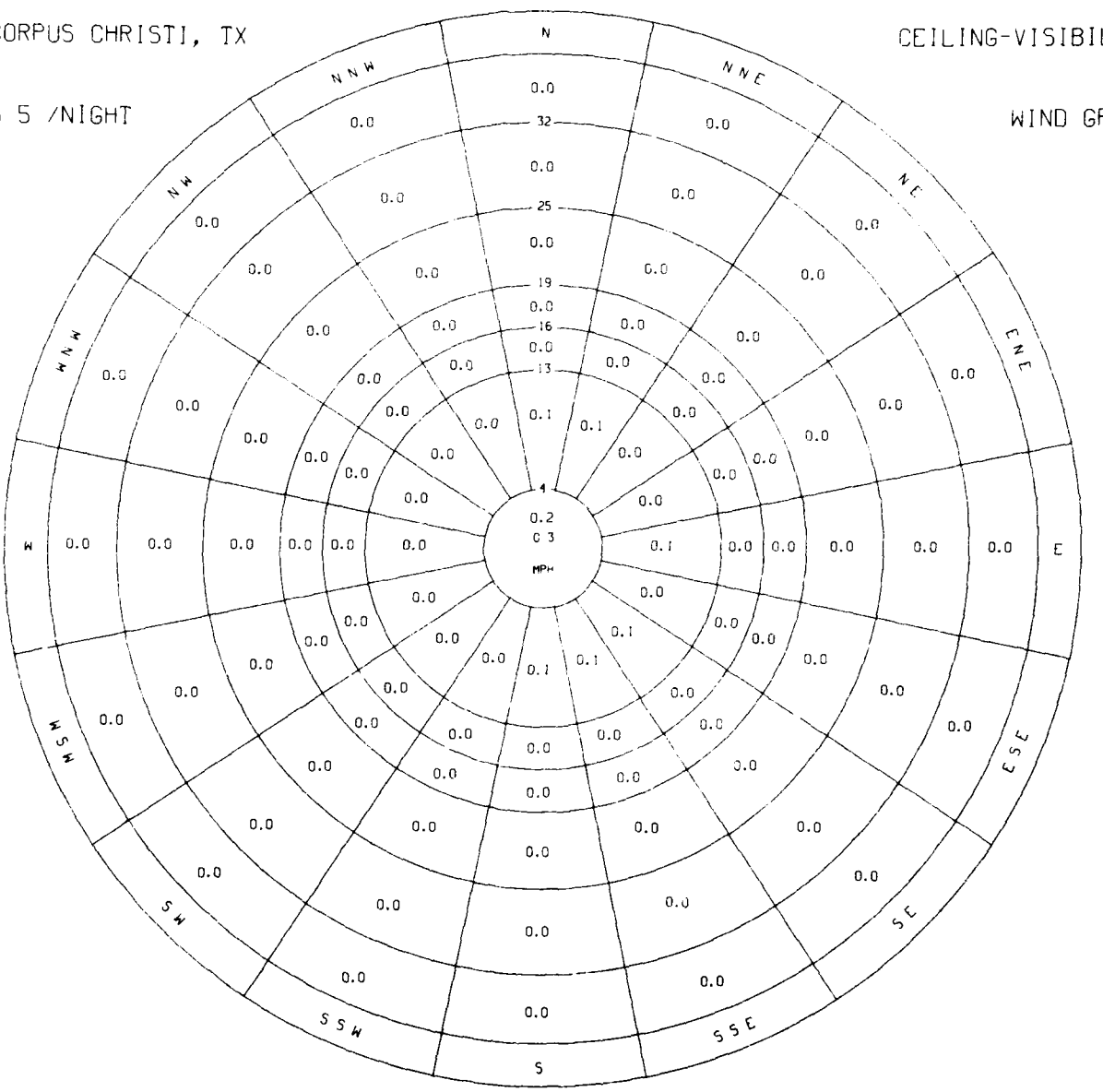
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	14.0	.0	3.5	.0	.0	.0	1.2	.0	.0	.0	.0	.1	18.6	10.6
NNE	.0	1.2	.0	4.7	.0	7.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	14.0	11.7
NE	.0	1.2	.0	3.5	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	8.0
ENE	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	9.7
E	.0	.0	.0	2.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	11.0
ESE	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	9.6
SE	.0	1.2	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	6.8
SSE	.0	.0	.0	4.7	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	7.0	10.0
S	.0	.0	.0	5.8	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	7.0	9.5
SSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	9.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.0
W	.0	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	2.3	11.0
WNW	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	9.5
NW	.0	1.2	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	7.2
NNW	.0	.0	.0	2.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	9.7
CALM	.0	10.5													.0	10.5	
TOTAL	.0	15.1	.2	61.6	.1	17.4	.0	4.7	.0	1.2	.0	.0	.0	.0	.3	100	8.7

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] CORPUS CHRISTI, TX PERIOD: [illegible]

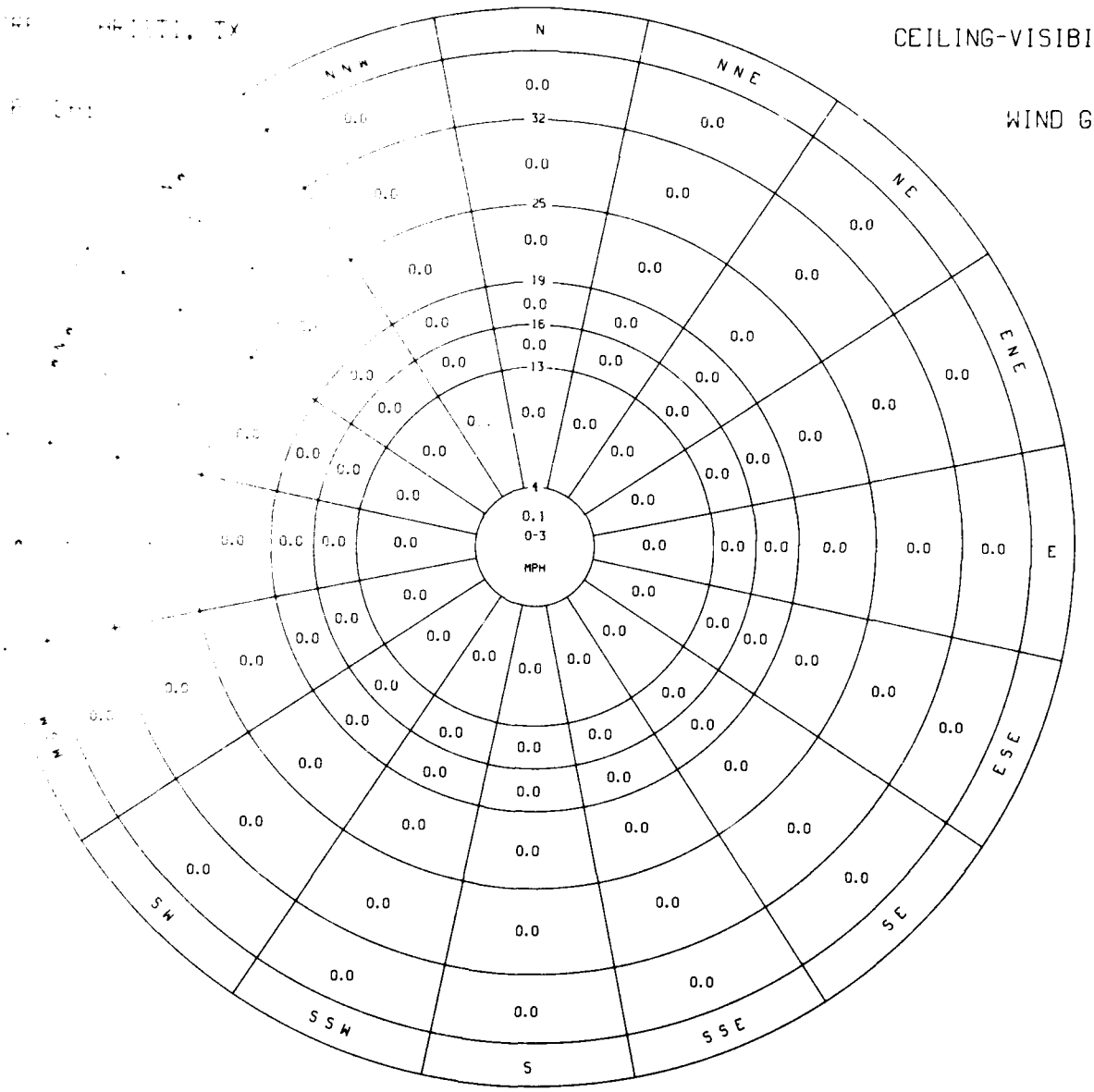
CLASS 5 / NIGHT

STATION NUMBER: 12924 NO. OBS.: [illegible]

DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.4	.1	8.6	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.1	9.8	8.3
NNE	.0	.8	.1	8.6	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.4	8.8
NE	.0	.4	.0	3.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	9.6
ENE	.0	.4	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.5
E	.0	.8	.1	7.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.2	7.6
ESE	.0	.8	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	6.6
SE	.0	.4	.1	10.6	.0	1.6	.0	1.2	.0	.0	.0	.0	.0	.0	.2	13.7	9.1
SSE	.0	1.6	.1	5.5	.0	2.7	.0	.8	.0	.4	.0	.0	.0	.0	.1	11.0	10.1
S	.0	1.2	.1	6.7	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.1	10.2	9.3
SSW	.0	.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.6
SW	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.7
WSW	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.7
W	.0	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.2
WNW	.0	.8	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.1
NW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	8.5
NNW	.0	.4	.0	4.3	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.1	5.5	9.4
CALM	.1	8.6													.1	8.6	
TOTAL	.2	19.2	.7	67.5	.1	9.0	.0	3.5	.0	.8	.0	.0	.0	.0	1.1	100	7.8

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-197

CLASS 6 / DAY

STATION NUMBER: 12924

NO. OBS.: 9

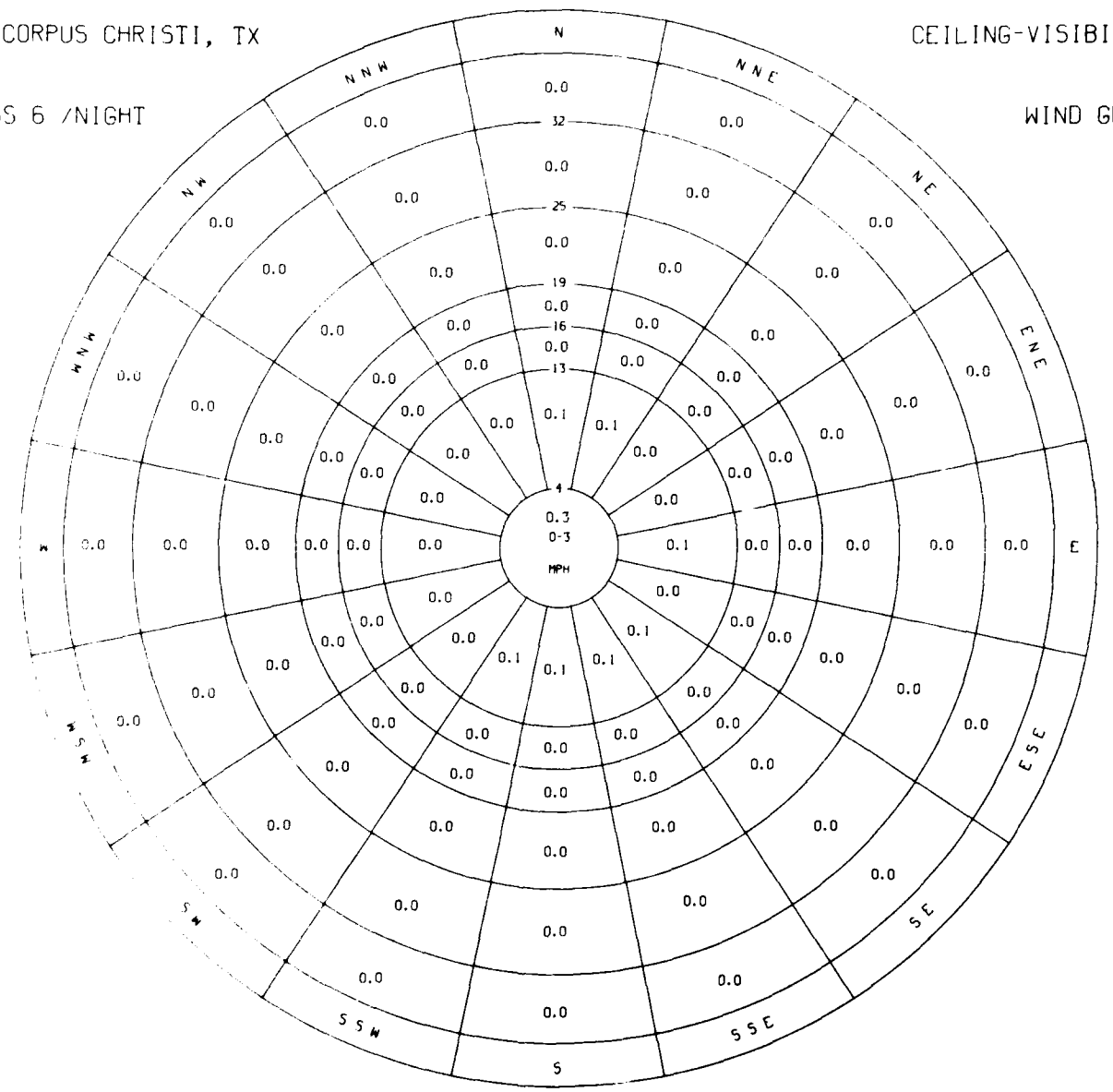
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.1	.0	14.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	16.7	7.2
NNE	.0	3.1	.0	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.8
NE	.0	1.0	.0	7.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.4	9.3
ENE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.0
E	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.7
ESE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.0
SE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.0
SSE	.0	1.0	.0	3.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	9.0
S	.0	1.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	4.2	18.5
SSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.5
SW	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.7
WSW	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.0
W	.0	1.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	6.2
WNW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.7
NW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.0
NNW	.0	1.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	6.0
CALM	.0	14.6													.0	14.6	
TOTAL	.1	27.1	.2	67.7	.0	4.2	.0	.0	.0	.0	.0	.0	.0	1.0	.3	100	6.6

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CRP CORPUS CHRISTI, TX

PERIOD: 1961-1978

CLASS 6 / NIGHT

STATION NUMBER: 12924

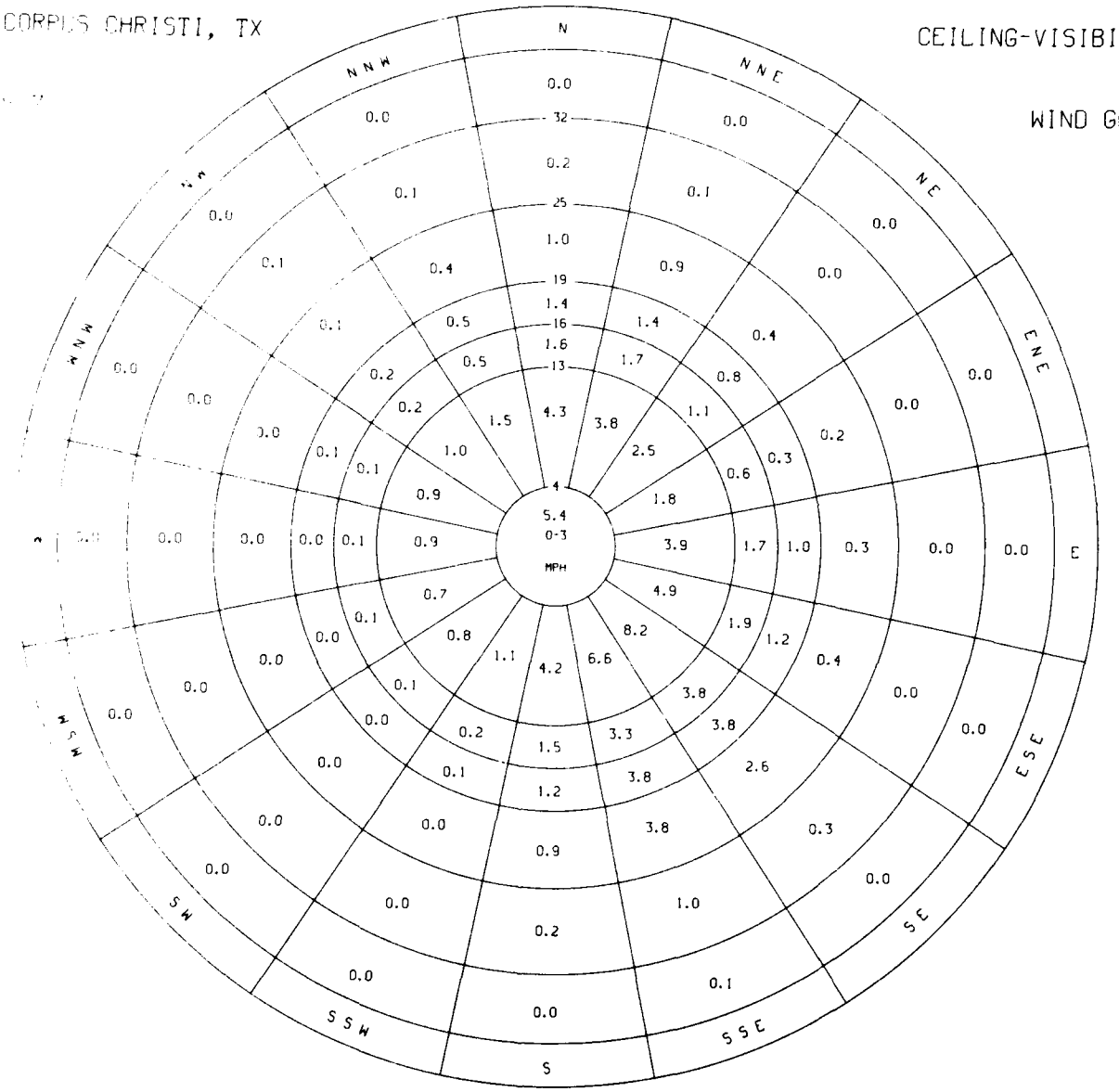
NO. OBS.: 281

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.1	5.7	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.1	7.1	7.5
NNE	.0	.7	.1	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	6.5
NE	.0	.4	.0	3.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	8.2
ENE	.0	.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.7
E	.0	.7	.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	6.5
ESE	.0	.7	.0	3.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	7.1
SE	.0	.7	.1	9.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	10.3	7.4
SSE	.0	1.4	.1	8.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.3	8.2
S	.0	1.1	.1	8.2	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.7	8.2
SSW	.0	.7	.1	5.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.4	7.9
SW	.0	1.4	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	6.1
WSW	.0	.4	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0
W	.0	1.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	5.3
WNW	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.4
NW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.8
NNW	.0	1.1	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	5.8
CALM	.1	11.0													.1	11.0	
TOTAL	.3	22.4	.9	73.3	.0	3.6	.0	.7	.0	.0	.0	.0	.0	.0	1.2	100	6.4

CRP CORPUS CHRISTI, TX

CEILING-VISIBILITY

WIND GRAPH

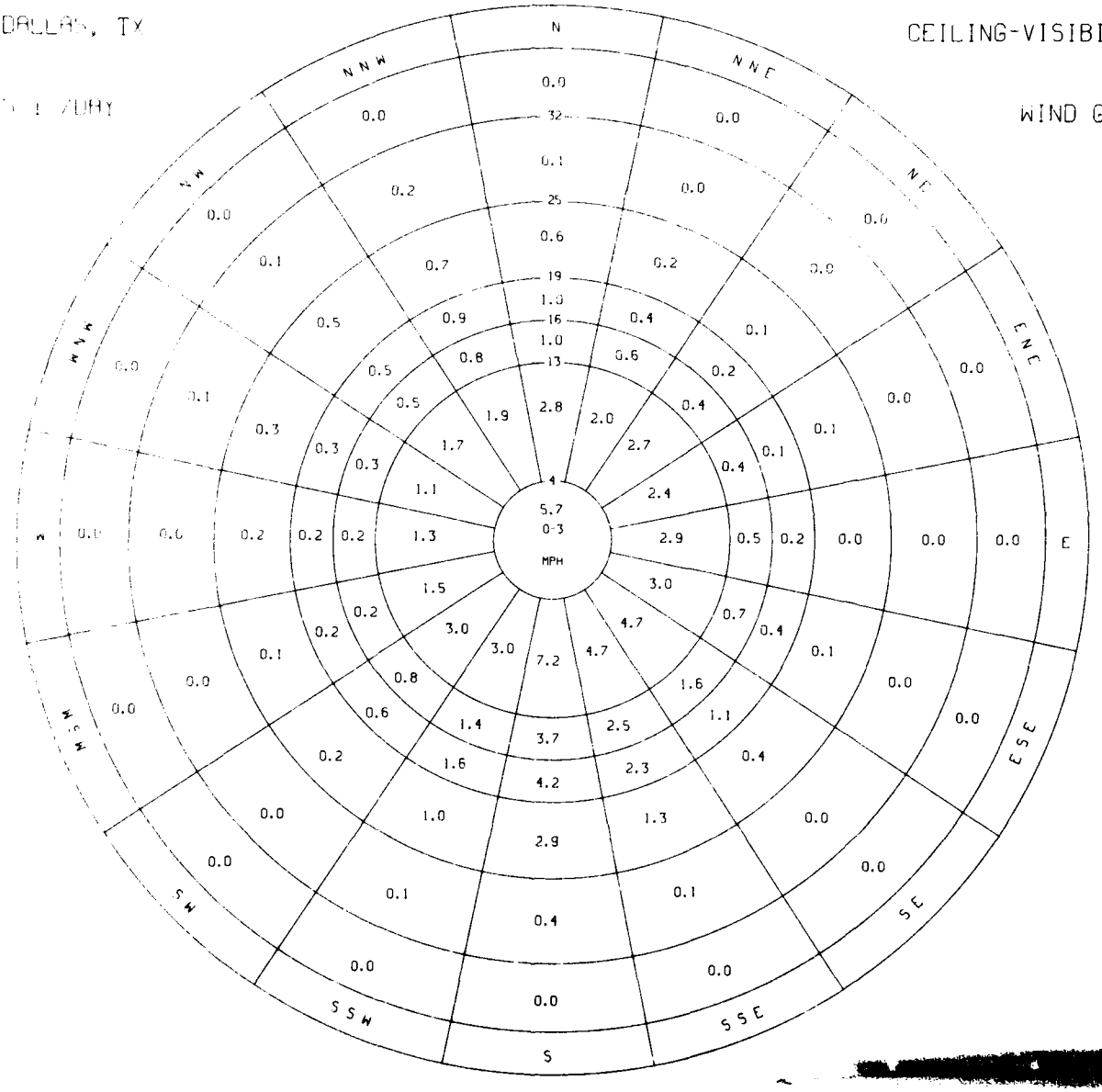


DAL DALLAS, TX

CLASS I 7/DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 13960

NO. OBS.: 43445

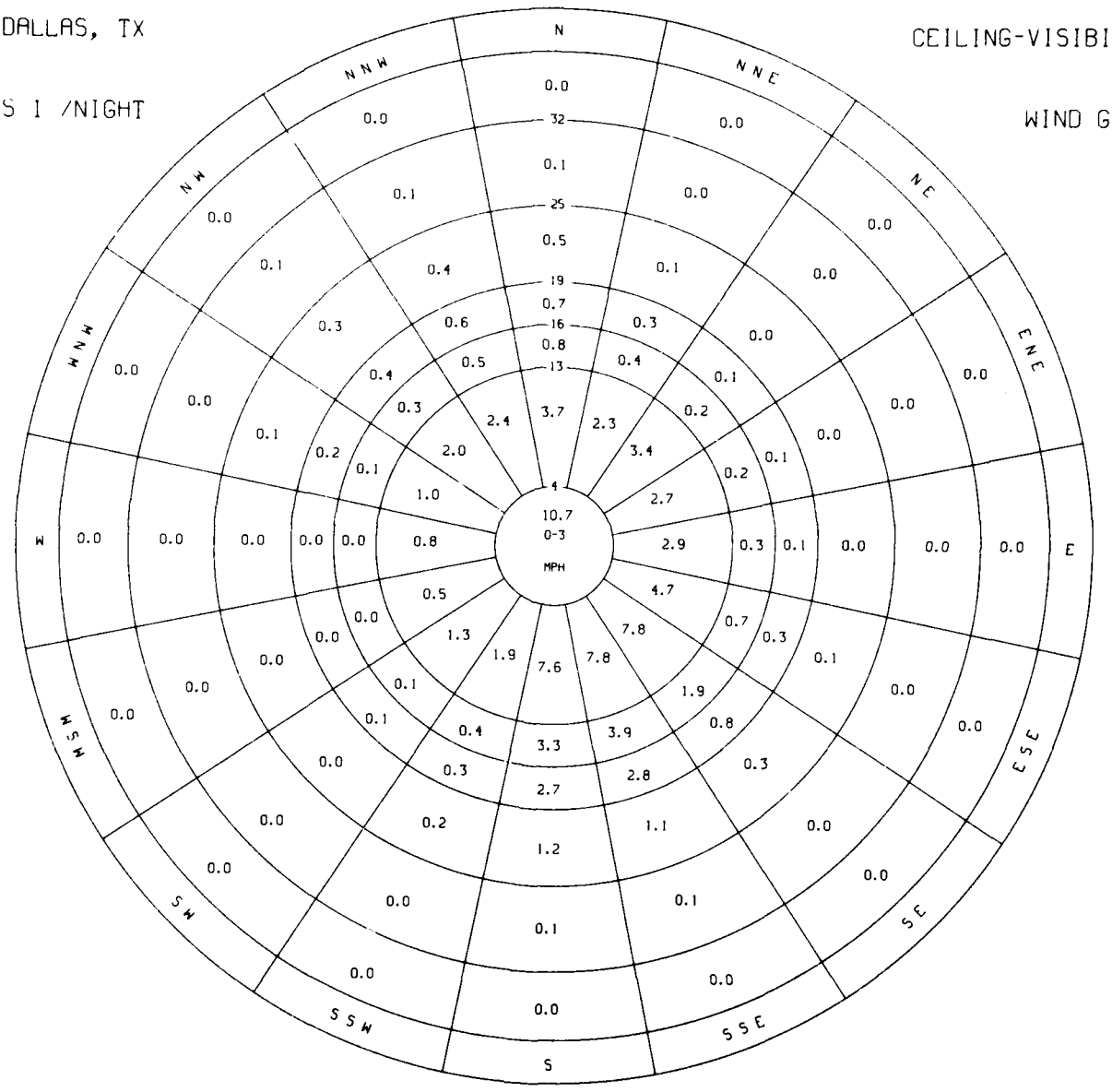
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.4	2.8	3.1	1.0	1.1	1.0	1.1	.6	.7	.1	.1	.0	.0	5.9	6.5	12.2
NNE	.2	.3	2.0	2.2	.6	.6	.4	.5	.2	.2	.0	.0	.0	.0	3.5	3.8	10.7
NE	.5	.5	2.7	3.0	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	3.9	4.3	8.7
ENE	.2	.2	2.4	2.6	.4	.4	.1	.1	.1	.1	.0	.0	.0	.0	3.2	3.5	9.0
E	.3	.3	2.9	3.2	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	3.9	4.2	9.0
ESE	.2	.2	3.0	3.3	.7	.7	.4	.4	.1	.1	.0	.0	.0	.0	4.4	4.8	10.1
SE	.3	.4	4.7	5.2	1.6	1.7	1.1	1.2	.4	.4	.0	.0	.0	.0	8.2	8.9	11.3
SSE	.2	.2	4.7	5.2	2.5	2.8	2.3	2.5	1.3	1.4	.1	.1	.0	.0	11.2	12.2	13.4
S	.4	.4	7.2	7.9	3.7	4.0	4.2	4.6	2.9	3.2	.4	.4	.0	.0	18.8	20.6	14.0
SSW	.2	.2	3.0	3.3	1.4	1.6	1.6	1.8	1.0	1.1	.1	.1	.0	.0	7.4	8.1	13.4
SW	.4	.4	3.0	3.2	.8	.9	.6	.6	.2	.2	.0	.0	.0	.0	5.0	5.4	10.5
WSW	.2	.2	1.5	1.7	.2	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.2	2.4	9.7
W	.3	.4	1.3	1.4	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	2.2	2.4	9.6
WNW	.2	.2	1.1	1.2	.3	.3	.3	.3	.3	.3	.1	.1	.0	.0	2.2	2.4	11.8
NW	.3	.3	1.7	1.9	.5	.6	.5	.6	.5	.6	.1	.2	.0	.0	3.7	4.0	12.5
NNW	.2	.2	1.9	2.0	.8	.9	.9	1.0	.7	.8	.2	.2	.0	.0	4.6	5.0	13.6
CALM	1.4	1.5													1.4	1.5	
TOTAL	5.7	6.2	46.1	50.3	15.7	17.1	14.2	15.5	8.7	9.5	1.2	1.3	.1	.1	91.5	100	11.8

DAL DALLAS, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 13960

NO. OBS.: 36422

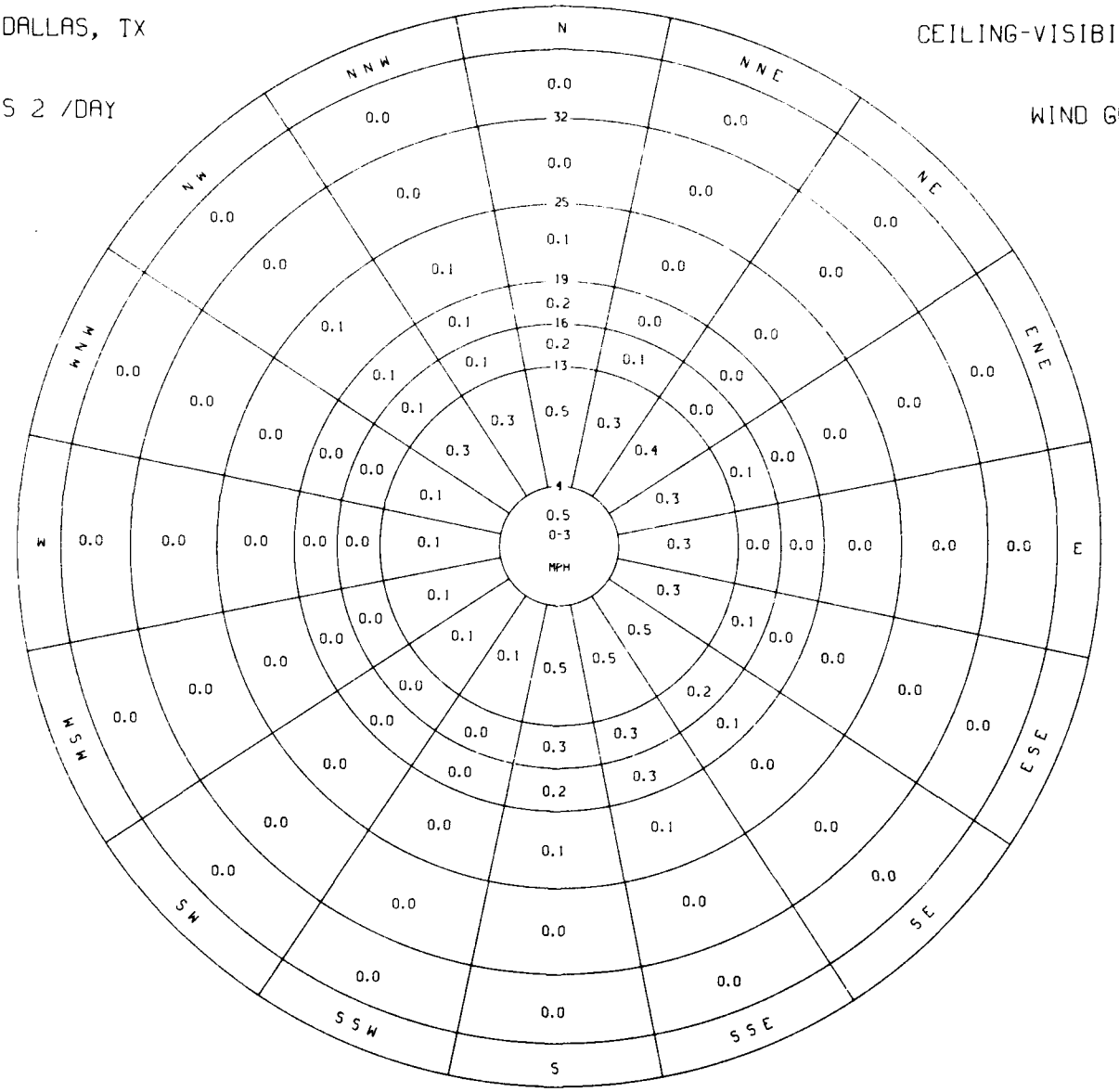
DIR	SPEED GROUPS (MPH) 0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		AVG WIND SPEED
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.7	.8	3.7	4.0	.8	.9	.7	.8	.5	.5	.1	.1	.0	.0	6.4	7.1	10.3
NNE	.5	.5	2.3	2.6	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	3.6	4.0	9.1
NE	.8	.9	3.4	3.7	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.5	5.0	7.2
ENE	.4	.4	2.7	2.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	3.4	3.7	7.8
E	.4	.5	2.9	3.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.7	4.1	8.0
ESE	.5	.5	4.7	5.2	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	6.3	6.9	9.1
SE	.7	.8	7.8	8.5	1.9	2.1	.8	.9	.3	.3	.0	.0	.0	.0	11.5	12.6	9.9
SSE	.3	.3	7.8	8.6	3.9	4.3	2.8	3.0	1.1	1.2	.1	.1	.0	.0	15.9	17.5	12.6
S	.5	.6	7.6	8.4	3.3	3.7	2.7	2.9	1.2	1.3	.1	.1	.0	.0	15.3	16.9	12.3
SSW	.2	.2	1.9	2.1	.4	.4	.3	.3	.2	.2	.0	.0	.0	.0	2.9	3.2	10.0
SW	.5	.5	1.3	1.5	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.2	7.1
WSW	.2	.2	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.9	6.4
W	.4	.4	.8	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	1.3	1.4	7.0
WNW	.2	.3	1.0	1.1	.1	.1	.2	.2	.1	.1	.0	.0	.0	.0	1.6	1.8	9.2
NW	.5	.6	2.0	2.2	.3	.3	.4	.4	.3	.3	.1	.1	.0	.0	3.5	3.9	9.6
NNW	.5	.5	2.4	2.7	.5	.6	.6	.6	.4	.5	.1	.1	.0	.0	4.5	5.0	10.7
CALM	3.4	3.8													3.4	3.8	
TOTAL	10.7	11.8	52.7	58.1	13.3	14.7	9.3	10.2	4.3	4.8	.5	.5	.0	.0	90.7	100	9.9

DAL DALLAS, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 13960

NO. OBS.: 4029

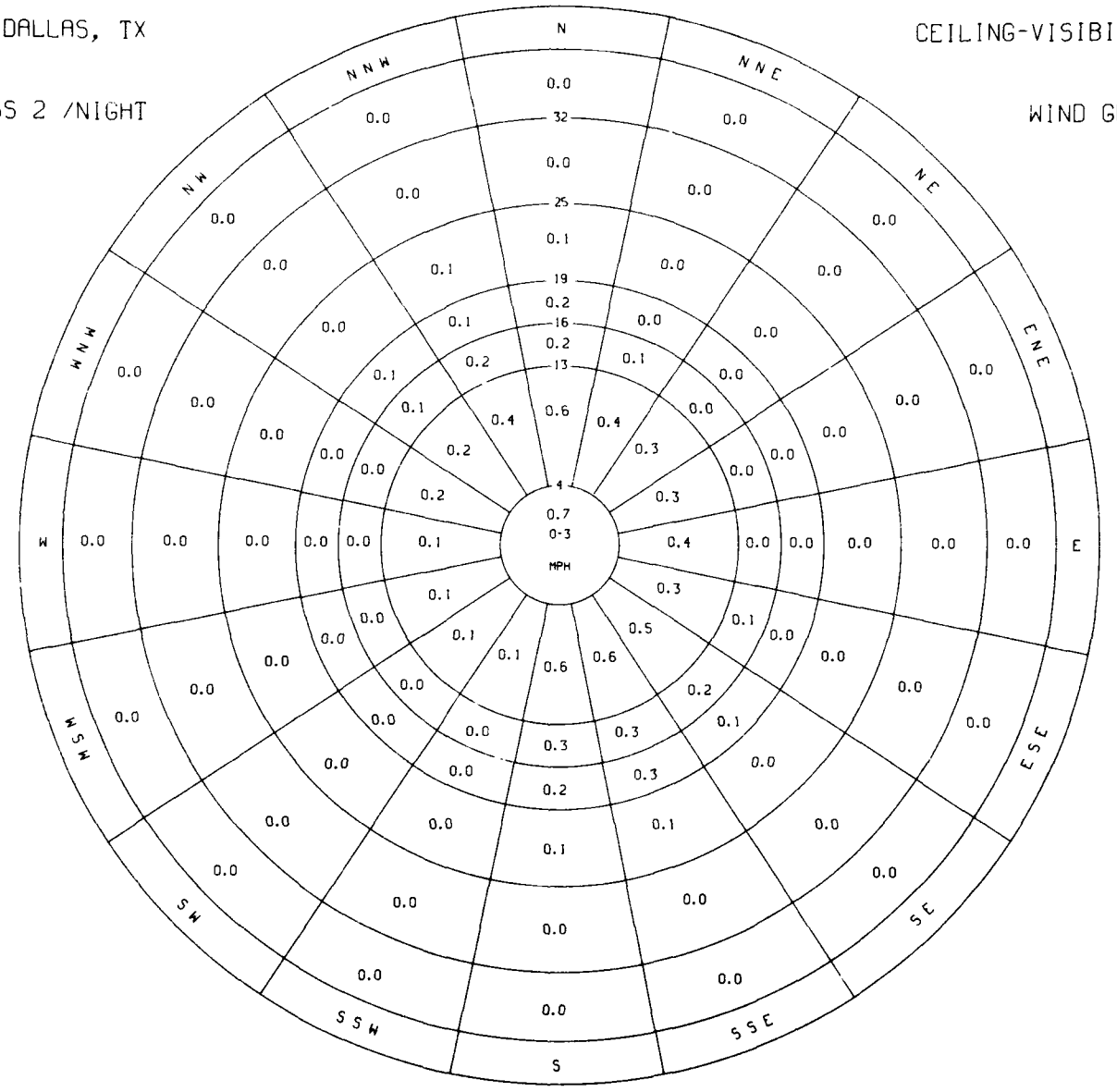
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.6	.6	.3	.3	.1	1.1	.0	.1	.0	.0	.9	11.1	12.4
NNE	.0	.1	.4	.4	.2	.2	.0	.3	.0	.0	.0	.0	.5	5.5	10.6
NE	.1	.5	.4	.3	.2	.2	.0	.0	.0	.0	.0	.0	.5	6.1	8.8
ENE	.0	.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.4	5.0	9.3
E	.0	.1	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	.4	4.5	9.2
ESE	.0	.2	.3	.3	.1	.1	.0	.2	.0	.0	.0	.0	.4	4.9	10.7
SE	.0	.4	.5	.5	.2	.2	.0	.2	.0	.0	.0	.0	.9	10.1	11.5
SSE	.0	.2	.5	.4	.2	.2	.1	1.0	.0	.0	.0	.0	1.2	14.5	12.9
S	.0	.4	.5	.5	.2	.2	.1	.6	.0	.0	.0	.0	1.1	13.4	12.4
SSW	.0	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	2.4	10.7
SW	.0	.2	.1	.2	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.6	9.2
WSW	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	9.9
W	.0	.5	.1	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.2	2.1	8.3
WNW	.0	.2	.1	1.3	.0	.5	.0	.3	.0	.3	.0	.0	.2	2.7	11.9
NW	.0	.3	.3	3.1	.1	.9	.1	.9	.1	.7	.0	.0	.5	6.0	12.5
NNW	.0	.2	.3	3.6	.1	1.5	.1	1.4	.1	1.1	.0	.0	.7	7.8	12.8
CALM	.1	1.1											.1	1.1	
TOTAL	.5	6.1	4.6	54.8	1.6	18.7	1.2	13.8	.5	6.0	.0	.4	.0	.2	8.5	100	11.4

DAL DALLAS, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 13960

NO. OBS.: 3741

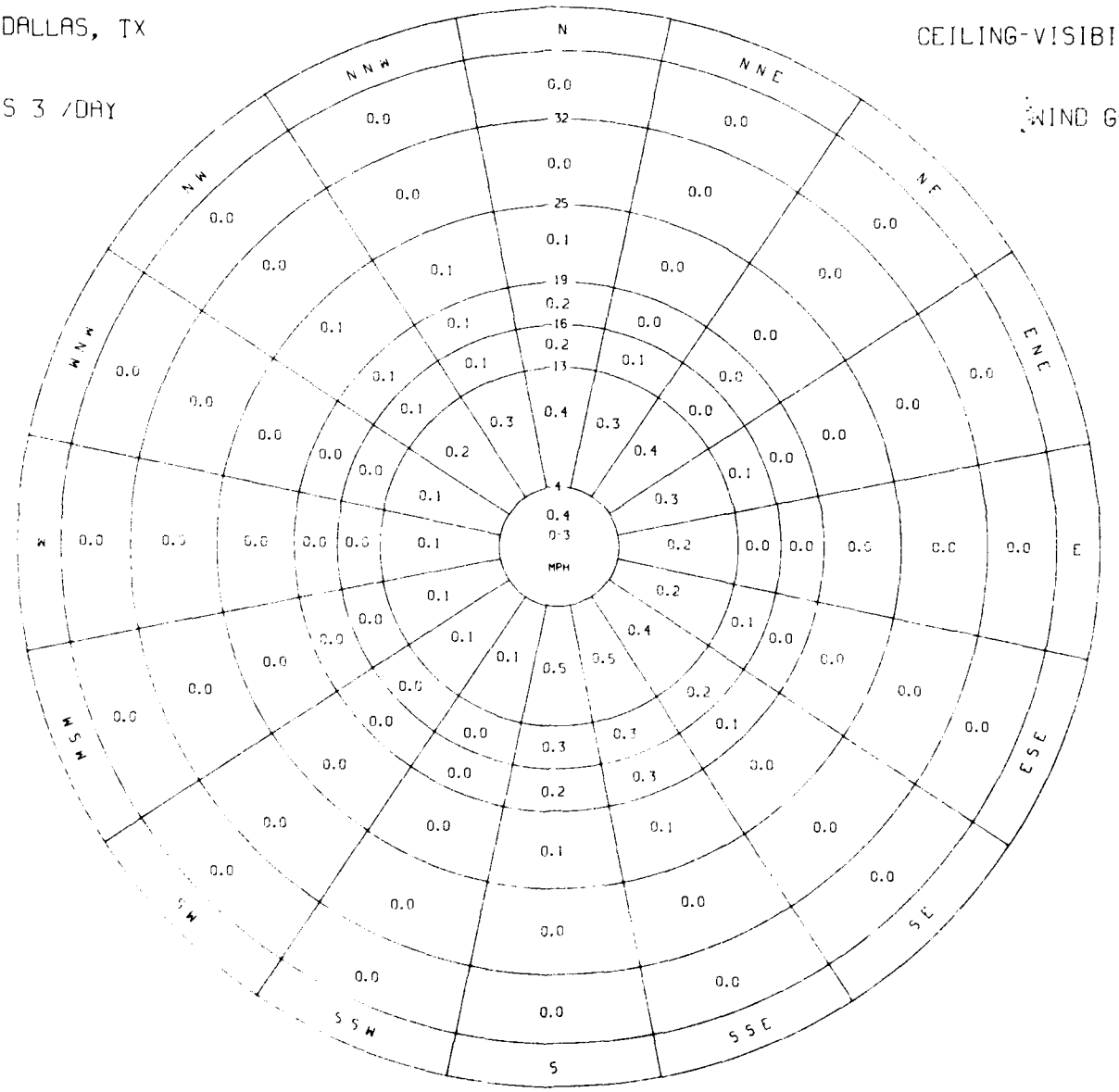
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.6	6.8	.2	1.8	.2	1.6	.1	.9	.0	.1	.0	.0	1.1	11.6	11.7
NNE	.1	.6	.4	3.8	.1	.6	.0	.5	.0	.3	.0	.0	.0	.0	.5	5.9	9.6
NE	.1	.7	.3	3.4	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.4	4.5	7.6
ENE	.0	.5	.3	2.8	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	3.9	8.2
E	.0	.5	.4	4.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.5	5.0	8.5
ESE	.0	.4	.3	3.4	.1	.7	.0	.4	.0	.2	.0	.0	.0	.0	.5	5.2	10.2
SE	.0	.5	.5	5.4	.2	2.1	.1	1.3	.0	.5	.0	.0	.0	.0	.9	9.7	11.2
SSE	.0	.2	.6	6.5	.3	3.4	.3	3.0	.1	1.2	.0	.0	.0	.0	1.3	14.3	12.9
S	.0	.5	.6	6.5	.3	3.6	.2	2.4	.1	1.2	.0	.0	.0	.0	1.3	14.2	12.5
SSW	.0	.1	.1	1.5	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.3	2.7	10.9
SW	.0	.3	.1	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.8	7.7
WSW	.0	.1	.1	.9	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.2	8.1
W	.0	.2	.1	1.0	.0	.1	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.7	9.7
WNW	.0	.2	.2	1.8	.0	.3	.0	.2	.0	.3	.0	.0	.0	.0	.3	2.9	10.9
NW	.0	.4	.2	2.5	.1	.9	.1	.7	.0	.5	.0	.1	.0	.1	.5	5.1	11.8
NNW	.0	.5	.4	4.1	.2	1.7	.1	1.5	.1	1.1	.0	.1	.0	.0	.8	8.8	12.3
CALM	.1	1.6													.1	1.6	
TOTAL	.7	7.6	5.2	55.8	1.6	16.9	1.2	12.6	.6	6.6	.0	.3	.0	.1	9.3	100	10.9

DAL DALLAS, TX

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-197

CLASS 3 / DAY

STATION NUMBER: 13960

NO. OBS.: 369

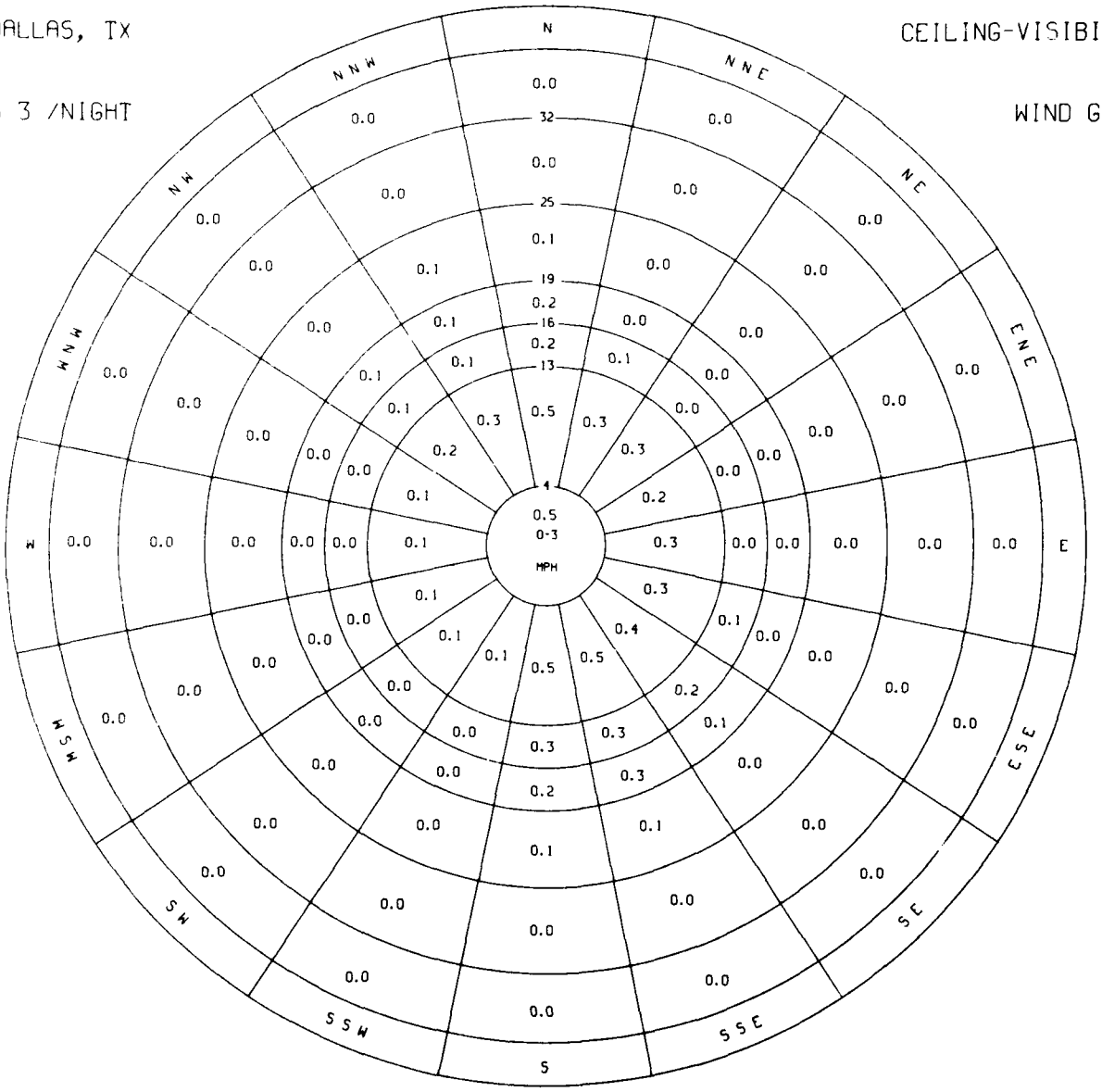
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.4	5.7	.2	2.2	.2	2.1	.1	1.1	.0	.1	.0	.0	.9	11.5	12.7
NNE	.0	.2	.3	4.0	.1	.7	.0	.4	.0	.3	.0	.1	.0	.0	.5	5.8	10.7
NE	.0	.6	.4	4.7	.0	.6	.0	.4	.0	.1	.0	.0	.0	.0	.5	6.3	8.8
ENE	.0	.3	3	3.8	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.4	5.1	9.4
E	.0	.4	.2	3.2	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.3	4.4	9.4
ESE	.0	.2	.2	3.2	.1	.9	.0	.6	.0	.2	.0	.0	.0	.0	.4	5.0	10.9
SE	.0	.2	.4	4.8	.2	2.7	.1	1.4	.0	.2	.0	.1	.0	.1	.7	9.4	12.0
SSE	.0	.2	.5	6.0	.3	3.7	.3	3.4	.1	1.1	.0	.0	.0	.0	1.1	14.4	13.2
S	.0	.4	.5	6.3	.3	3.7	.2	2.6	.1	.7	.0	.0	.0	.0	1.1	13.8	12.5
SSW	.0	.2	.1	1.3	.0	.4	.0	.5	.0	.1	.0	.0	.0	.0	.2	2.5	10.9
SW	.0	.2	.1	1.0	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.6	9.6
WSW	.0	.0	.1	.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.1	9.8
W	.0	.4	.1	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.8	8.3
WNW	.0	.2	.1	1.4	.0	.5	.0	.4	.0	.3	.0	.0	.0	.0	.2	2.8	12.1
NW	.0	.3	.2	2.9	.1	.9	.1	1.0	.1	.8	.0	.1	.0	.1	.5	5.9	12.8
NNW	.0	.2	.3	3.5	.1	1.6	.1	1.4	.1	1.1	.0	.1	.0	.0	.6	7.8	13.1
CALM	.1	.9													.1	.9	
TOTAL	.4	5.2	4.2	53.8	1.5	19.5	1.1	14.6	.5	6.3	.0	.5	.0	.2	7.8	100	11.6

DAL DALLAS, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-197

CLASS 3 / NIGHT

STATION NUMBER: 13960

NO. OBS.: 318

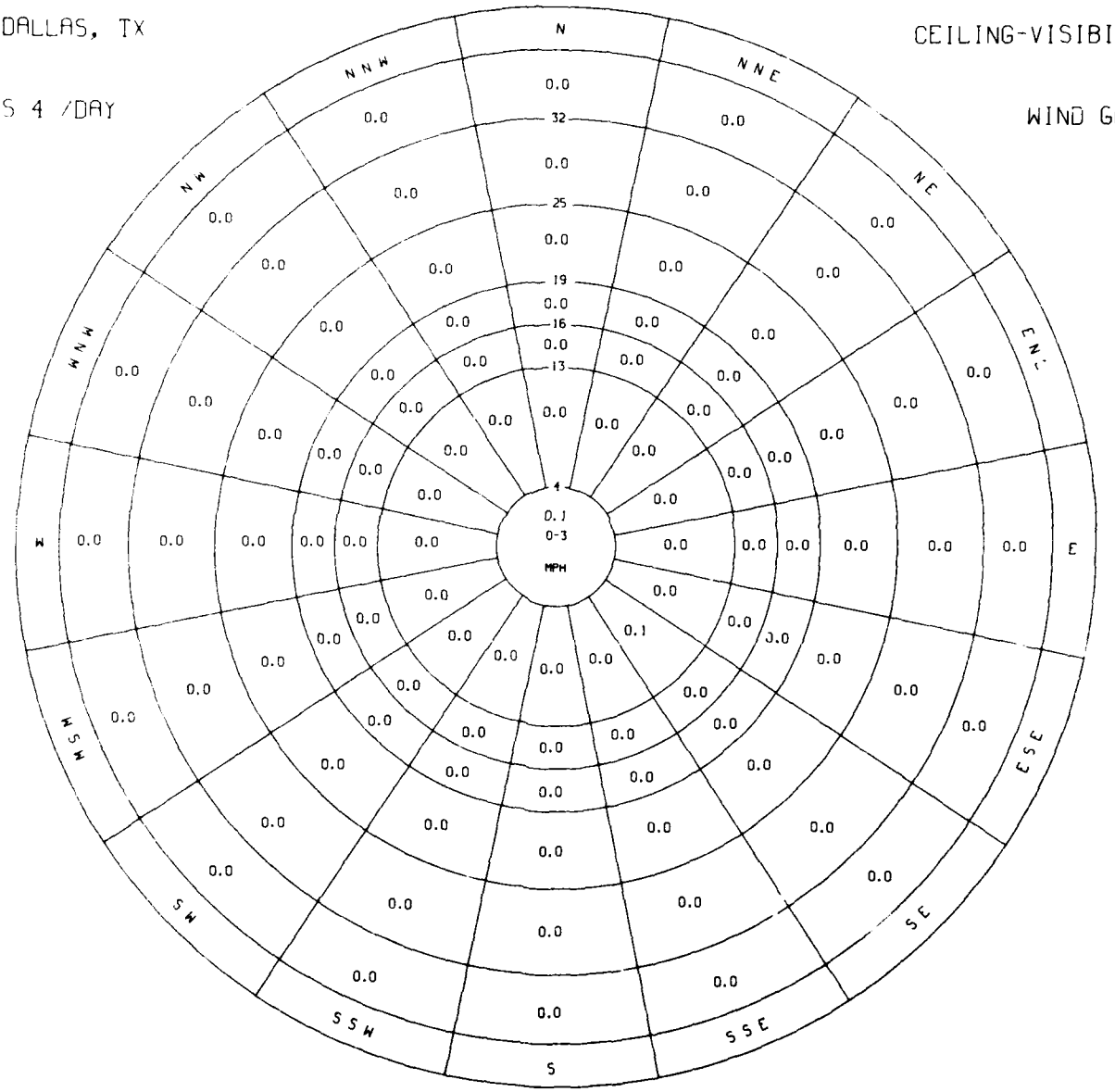
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.5	6.8	.2	2.1	.2	1.9	.1	1.1	.0	.1	.0	.0	1.0	12.4	12.1
NNE	.0	.5	.3	4.0	.1	.7	.0	.6	.0	.3	.0	.0	.0	.0	.5	6.1	9.9
NE	.0	.6	.3	3.6	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.4	4.7	7.9
ENE	.0	.5	.2	2.9	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.3	4.0	8.4
E	.0	.3	.3	4.0	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.4	4.8	8.7
ESE	.0	.3	.3	3.3	.1	.8	.0	.4	.0	.2	.0	.0	.0	.0	.4	5.0	10.3
SE	.0	.5	.4	4.7	.2	1.9	.1	1.4	.0	.5	.0	.0	.0	.0	.7	9.1	11.7
SSE	.0	.3	.5	6.2	.3	3.4	.3	3.3	.1	1.4	.0	.0	.0	.0	1.2	14.5	13.3
S	.0	.4	.5	6.4	.3	3.9	.2	2.7	.1	1.4	.0	.0	.0	.0	1.2	14.8	12.9
SSW	.0	.1	.1	1.4	.0	.5	.0	.4	.0	.2	.0	.0	.0	.0	.2	2.7	11.5
SW	.0	.3	.1	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.7	7.9
WSW	.0	.1	.1	.8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.0	8.6
W	.0	.1	.1	1.0	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.1	1.6	10.6
WNW	.0	.2	.1	1.7	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.2	2.8	11.4
NW	.0	.2	.2	2.3	.1	1.0	.1	.8	.0	.6	.0	.1	.0	.1	.4	5.0	12.6
NNW	.0	.4	.3	3.9	.1	1.8	.1	1.7	.1	1.1	.0	1	.0	.0	.7	9.0	12.7
CALM	.1	.8													.1	.8	
TOTAL	.5	5.9	4.3	54.2	1.4	17.8	1.1	14.2	.6	7.5	.0	.4	.0	.1	7.9	100	11.4

DAL DALLAS, TX

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 13960

NO. OBS.: 239

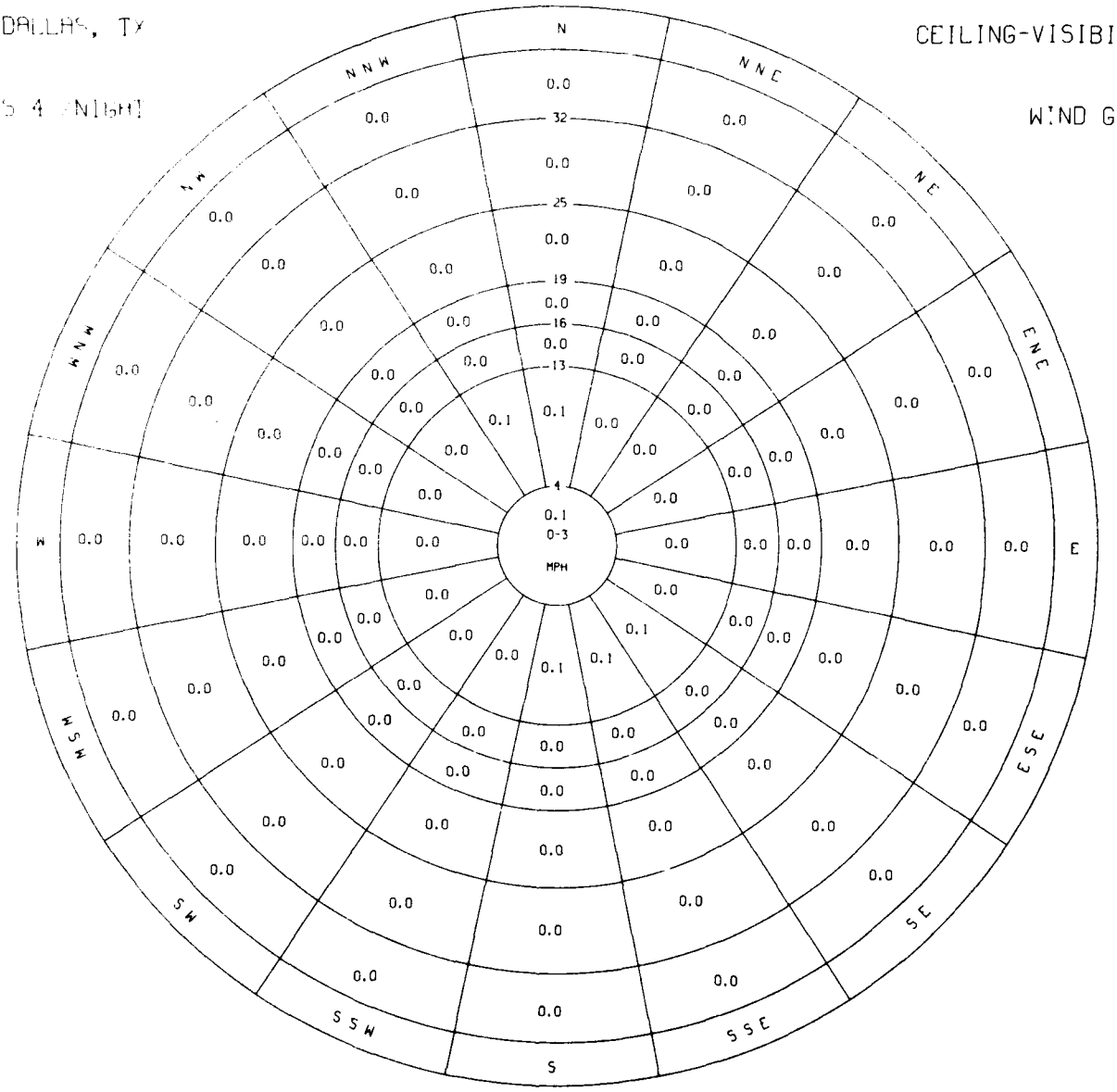
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.8	.0	2.9	.0	1.2	.0	.0	.0	.8	.0	.0	.0	.0	.0	5.9	9.6
NNE	.0	.4	.0	1.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.1	9.2
NE	.0	.8	.0	4.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	5.4	8.7
ENE	.0	.4	.0	3.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	4.6	7.8
E	.0	2.1	.0	5.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	6.8
ESE	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.0
SE	.0	1.7	.1	12.6	.0	2.1	.0	.0	.0	.4	.0	.0	.0	.0	.1	16.7	8.7
SSE	.0	.8	.0	9.6	.0	3.8	.0	.4	.0	.0	.0	.0	.0	.0	.1	14.6	10.5
S	.0	.0	.0	5.9	.0	3.3	.0	.8	.0	.0	.0	.0	.0	.0	.1	10.0	11.7
SSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.3
SW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.5
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	1.3	15.3
W	.0	.4	.0	2.1	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.9	8.6
WNW	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.5
NW	.0	.8	.0	5.4	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	7.9	9.3
NNW	.0	.8	.0	7.1	.0	.4	.0	2.1	.0	.4	.0	.0	.0	.0	.1	10.9	10.4
CALM	.0	1.7													.0	1.7	
TOTAL	.1	11.3	.3	68.2	.1	12.1	.0	5.4	.0	2.5	.0	.0	.0	.4	.5	100	9.2

DAL DALLAS, TX

CLASS 4 (NIGHT)

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 13960

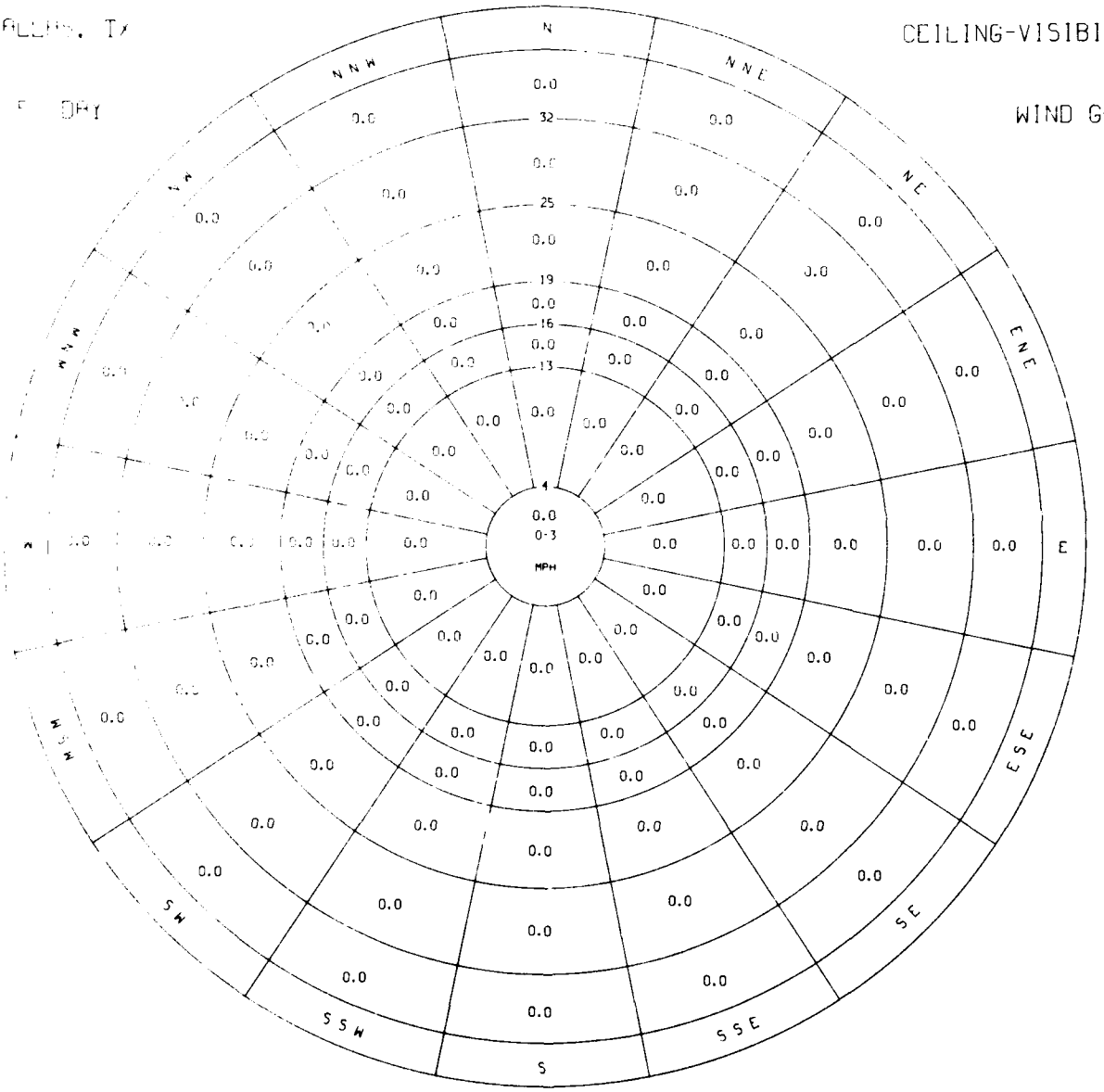
NO. OBS.: 364

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.1	8.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.8	7.7
NNE	.0	1.1	.0	3.0	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	4.7	7.7
NE	.0	1.1	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	6.1
ENE	.0	.8	.0	3.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.4
E	.0	1.4	.0	3.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	7.7
ESE	.0	1.1	.0	3.8	.0	.8	.0	.5	.0	.5	.0	.0	.0	.0	.1	6.9	10.2
SE	.0	.5	.1	8.8	.0	3.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	12.9	10.0
SSE	.0	.0	.1	8.0	.0	2.5	.0	1.9	.0	.0	.0	.0	.0	.0	.1	12.4	11.0
S	.0	.3	.1	6.3	.0	2.7	.0	.3	.0	.0	.0	.0	.0	.0	.1	9.6	9.9
SSW	.0	.0	.0	2.5	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.0	8.4
SW	.0	.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.9
WSW	.0	.0	.0	1.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.6	8.8
W	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.5
WNW	.0	.3	.0	2.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	9.2
NW	.0	.3	.0	4.4	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	5.5	8.9
NNW	.0	.8	.1	5.8	.0	1.6	.0	.3	.0	1.1	.0	.0	.0	.0	.1	9.6	10.1
CALM	.0	3.0													.0	3.0	
TOTAL	.1	11.8	.6	67.9	.1	14.0	.0	4.4	.0	1.9	.0	.0	.0	.0	.9	100	8.8

DAL DALLAS, TX

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 13960

NO. OBS.: 51

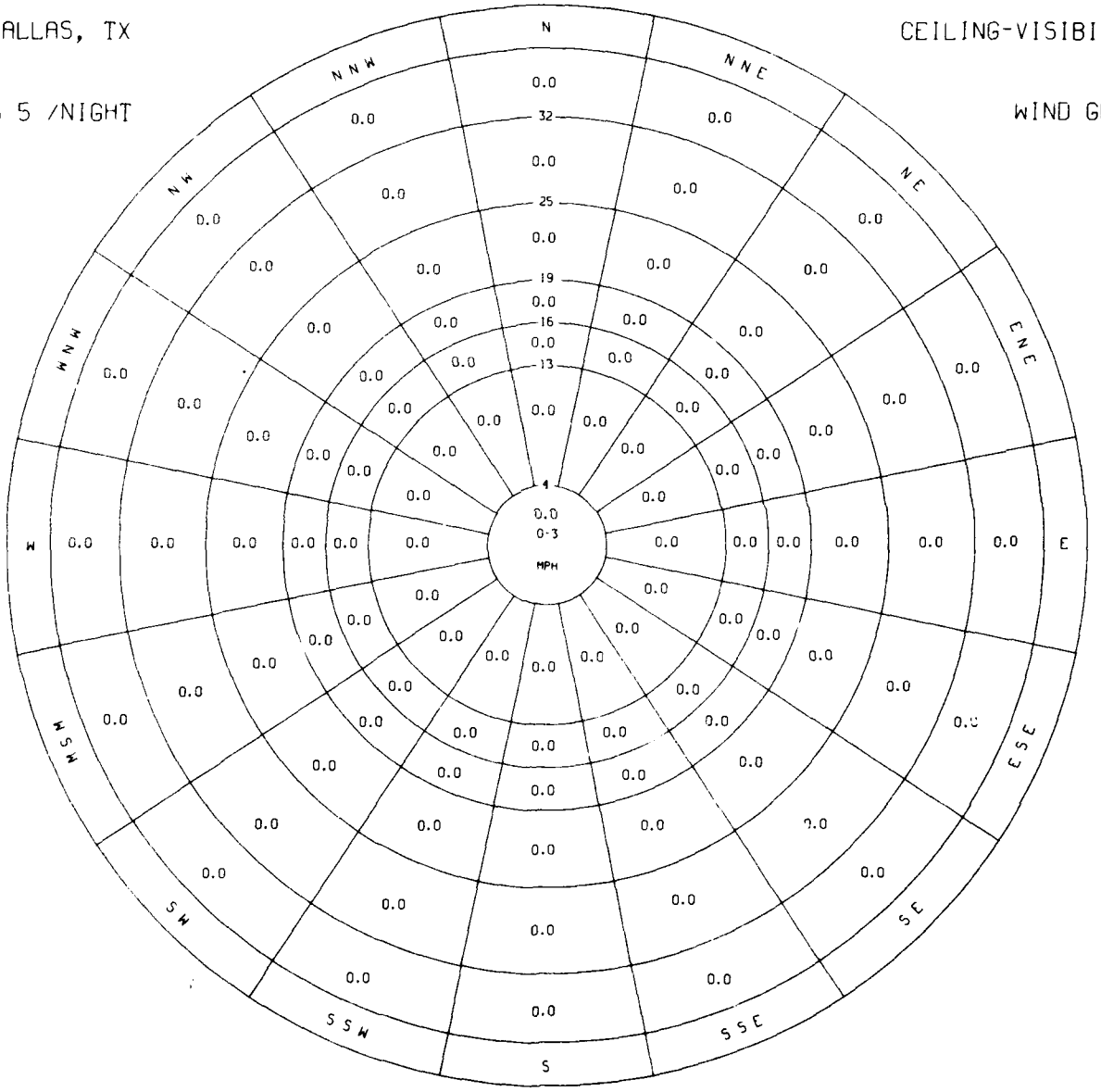
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	5.3
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.0
ENE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	3.9	.0	2.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	7.8	8.5
SE	.0	2.0	.0	9.8	.0	2.0	.0	3.9	.0	2.0	.0	.0	.0	.0	.0	19.6	11.0
SSE	.0	.0	.0	15.7	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.6	9.7
S	.0	2.0	.0	9.8	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.7	8.9
SSW	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.5
SW	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0
WSW	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	3.0
W	.0	2.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	6.5
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	3.9	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	10.0
NNW	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	10.0
CALM	.0	5.9													.0	5.9	
TOTAL	.0	21.6	.1	62.7	.0	7.8	.0	3.9	.0	3.9	.0	.0	.0	.0	.1	100	8.2

DAL DALLAS, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 13960

NO. OBS.: 97

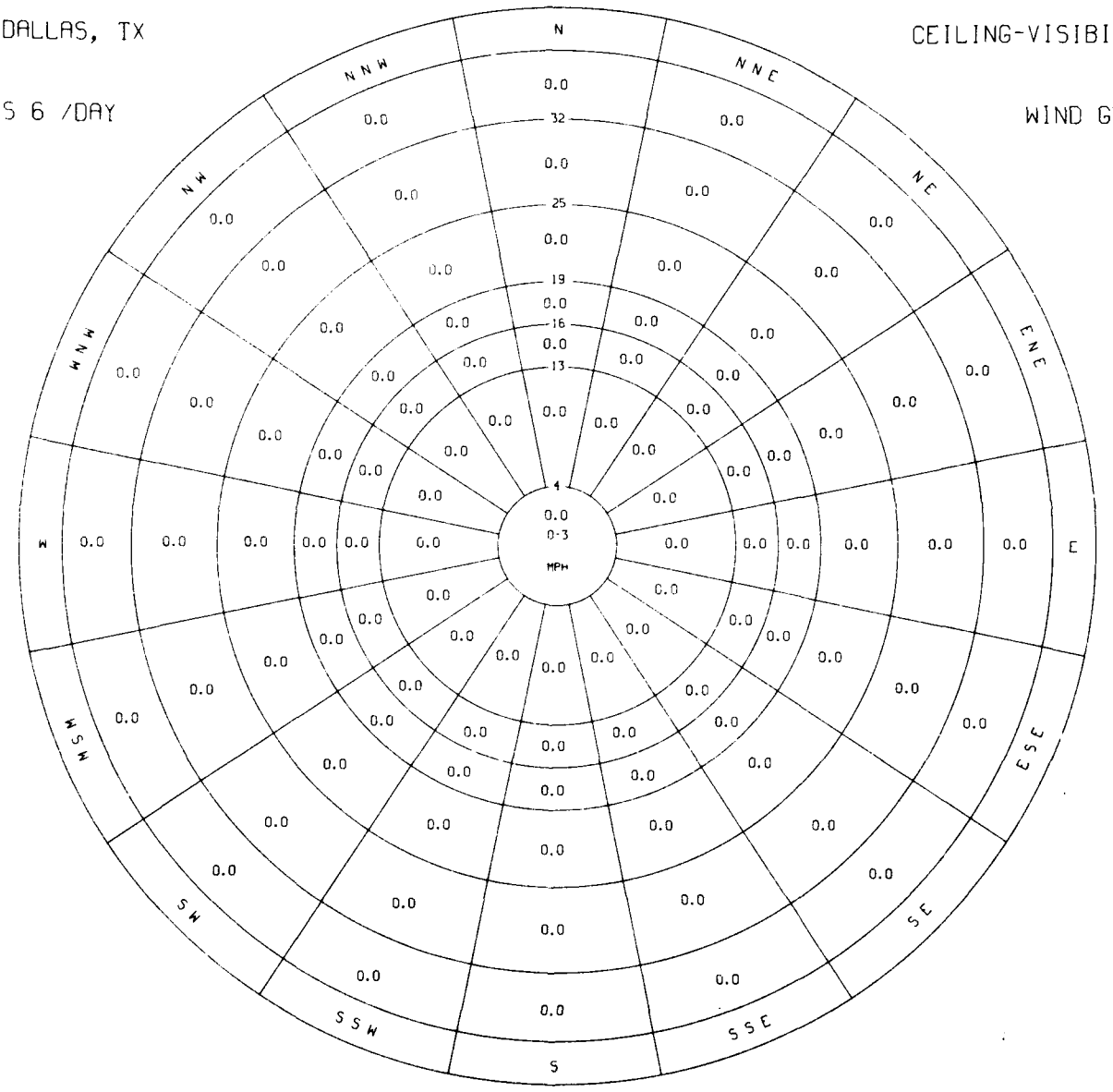
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	8.0
NNE	.0	2.1	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.2	6.0
NE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
ENE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	9.0
E	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.4
ESE	.0	.0	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	9.0
SE	.0	3.1	.0	11.3	.0	4.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	19.6	8.9
SSE	.0	.0	.0	12.4	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.5	9.9
S	.0	2.1	.0	11.3	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	14.4	8.2
SSW	.0	2.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.0
SW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.5
WSW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.5
W	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.5
WNW	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	7.2
NW	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.5
NNW	.0	1.0	.0	3.1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	5.2	8.0
CALM	.0	4.1													.0	4.1	
TOTAL	.0	20.6	.2	68.0	.0	8.2	.0	3.1	.0	.0	.0	.0	.0	.0	.2	100	7.6

DAL DALLAS, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-197

CLASS 6 / DAY

STATION NUMBER: 13960

NO. OBS.: 4

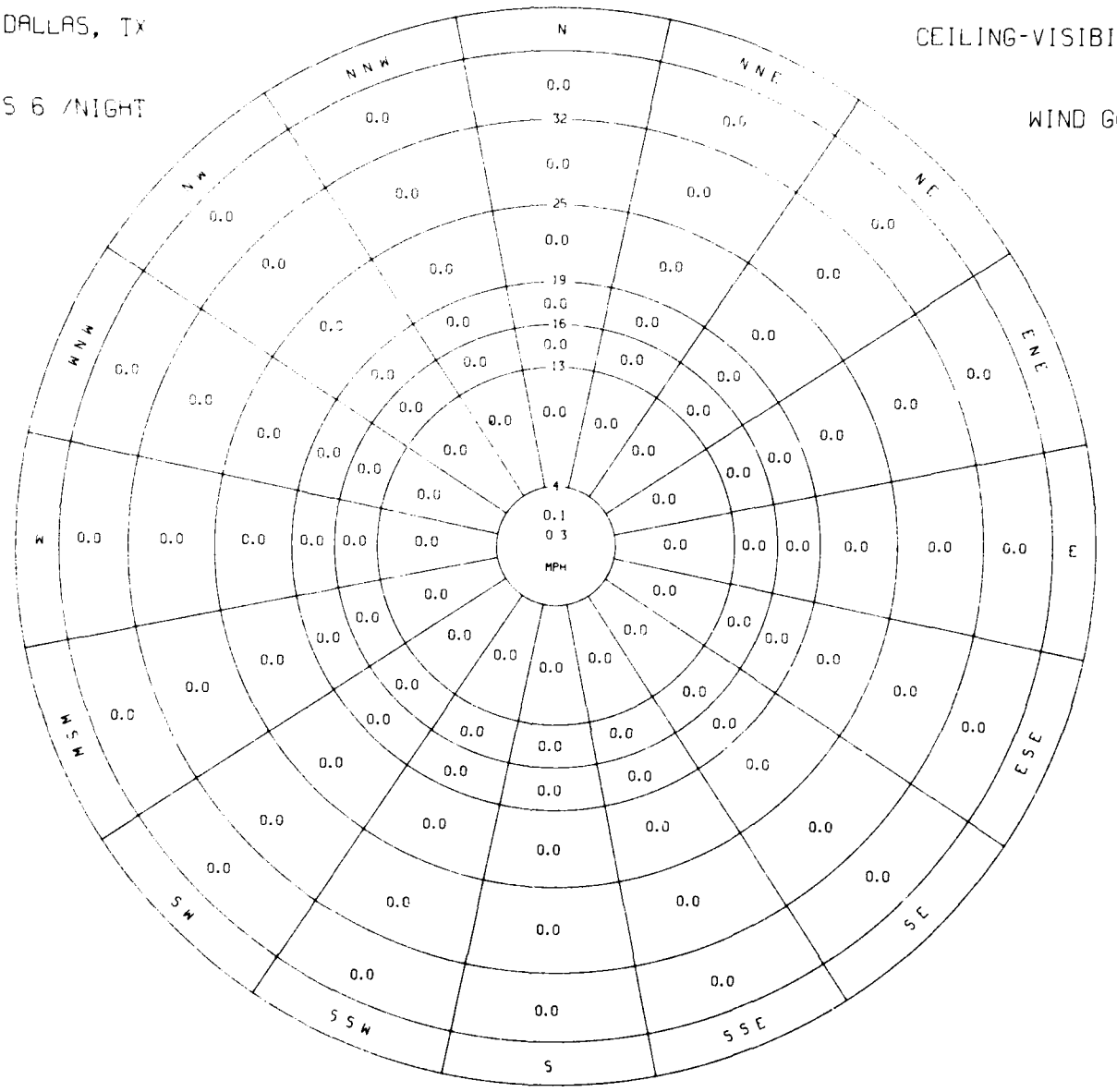
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	14.6	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	16.7	9.1
NNE	.0	2.1	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.5
NE	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	2.1	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	4.2	11.5
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	6.3	.0	12.5	.0	.0	.0	2.1	.0	.0	.0	.0	0	.0	.0	20.8	7.3
SSE	.0	2.1	.0	10.4	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	9.2
S	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	12.0
SSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	9.0
SW	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	2.0
WSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.0
W	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	8.3	9.5
WNW	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.5
NW	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	9.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	8.3													.0	8.3	
TOTAL	.0	31.3	.1	56.3	.0	4.2	.0	4.2	.0	2.1	.0	2.1	.0	.0	.1	100	7.5

DAL DALLAS, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DAL DALLAS, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 13960

NO. OBS.: 91

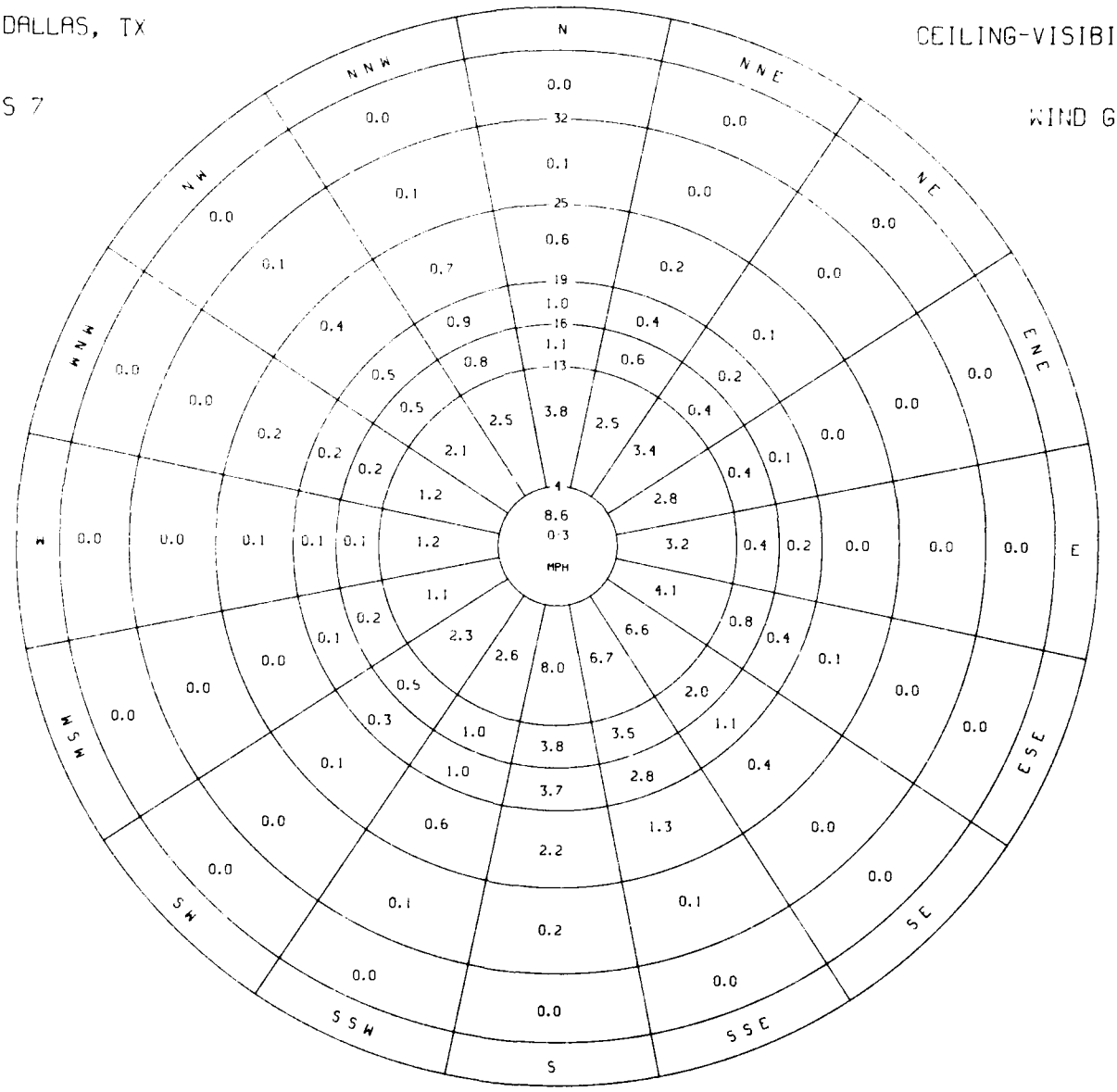
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.2	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	4.5
NNE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
NE	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.7
ENE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
E	.0	.0	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	7.7
ESE	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.5
SE	.0	.0	.0	9.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	7.8
SSE	.0	.0	.0	5.5	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.1	10.4
S	.0	1.1	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	6.9
SSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
SW	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	7.7
WSW	.0	2.2	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.4
W	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	2.7
WNW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.7
NW	.0	5.5	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	3.9
NNW	.0	1.1	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	7.5
CALM	.0	18.7													.0	18.7	
TOTAL	.1	39.6	.1	53.8	.0	6.6	.0	.0	.0	.0	.0	.0	.0	.0	.2	100	5.4

DAL DALLAS, TX

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

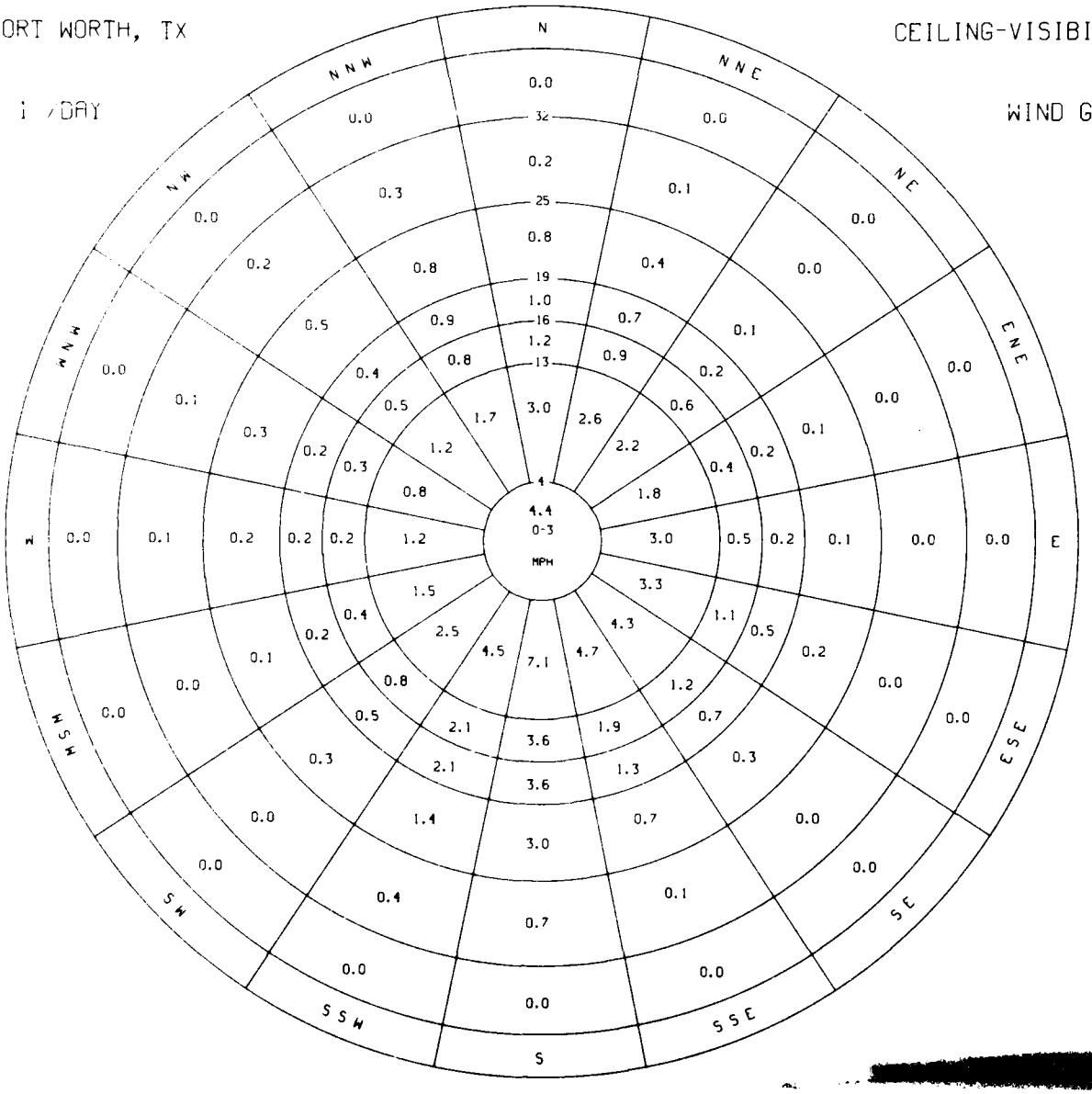


GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 1 / DAY

STATION NUMBER: 03927

NO. OBS.: 28996

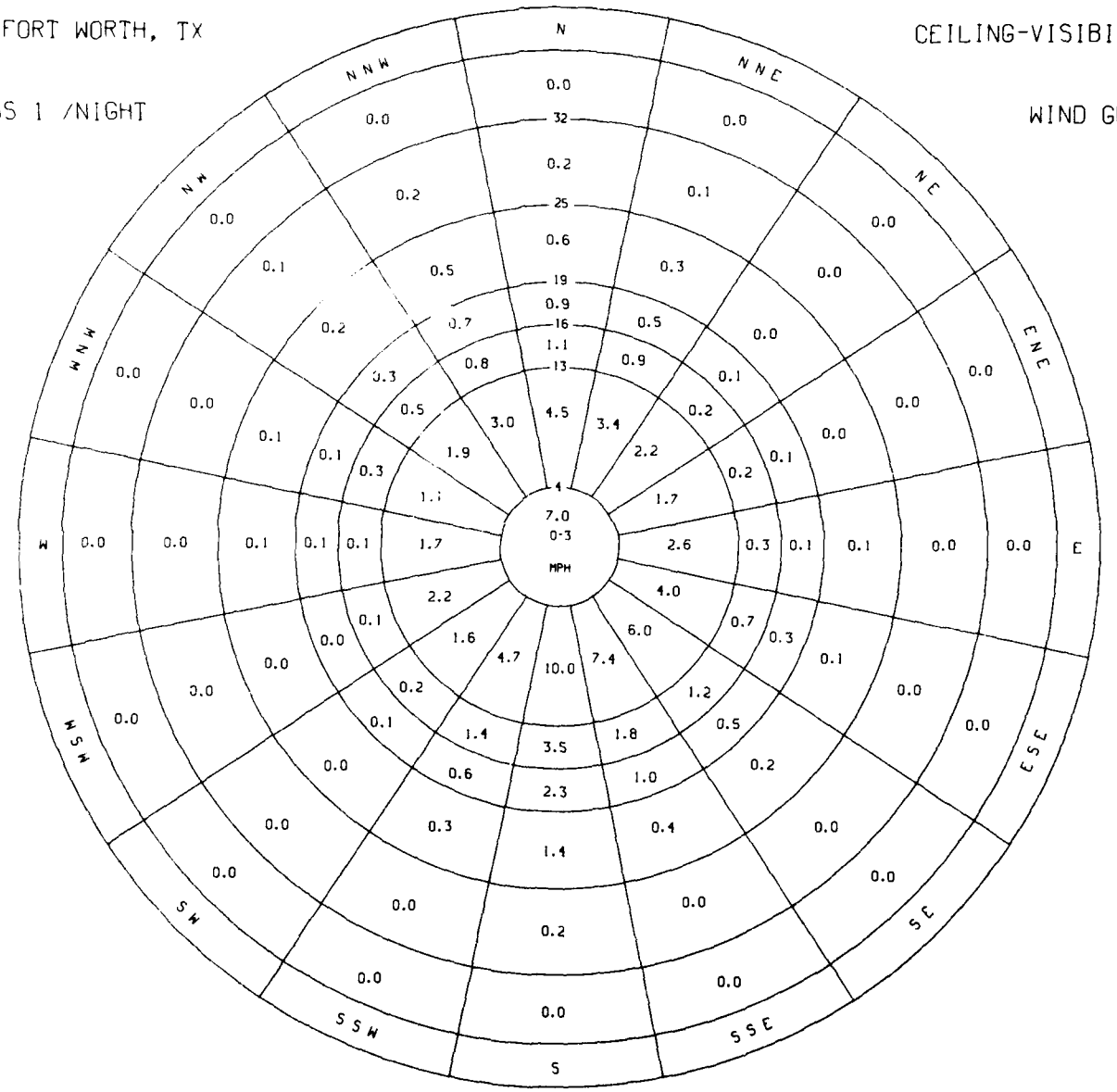
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	3.0	3.3	1.2	1.3	1.0	1.1	.8	.8	.2	.2	.0	.0	6.4	7.0	13.0
NNE	.2	.2	2.6	2.8	.9	1.0	.7	.7	.4	.4	.1	.1	.0	.0	4.8	5.3	11.9
NE	.2	.2	2.2	2.5	.6	.6	.2	.2	.1	.1	.0	.0	.0	.0	3.4	3.7	10.1
ENE	.1	.2	1.8	2.0	.4	.4	.2	.3	.1	.1	.0	.0	.0	.0	2.8	3.0	10.2
E	.3	.3	3.0	3.3	.5	.5	.2	.3	.1	.1	.0	.0	.0	.0	4.2	4.6	9.5
ESE	.2	.2	3.3	3.7	1.1	1.2	.5	.5	.2	.2	.0	.0	.0	.0	5.3	5.8	10.7
SE	.2	.2	4.3	4.6	1.2	1.3	.7	.8	.3	.3	.0	.0	.0	.0	6.7	7.3	10.8
SSE	.2	.2	4.7	5.1	1.9	2.1	1.3	1.5	.7	.8	.1	.1	.0	.0	9.0	9.8	12.2
S	.2	.2	7.1	7.8	3.6	4.0	3.6	3.9	3.0	3.3	.7	.8	.0	.0	18.4	20.1	14.3
SSW	.2	.2	4.5	5.0	2.1	2.3	2.1	2.3	1.4	1.5	.4	.4	.0	.0	10.6	11.6	13.7
SW	.2	.2	2.5	2.7	.8	.9	.5	.6	.3	.4	.0	.0	.0	.0	4.4	4.8	11.5
WSW	.2	.2	1.5	1.7	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.7	10.2
W	.1	.1	1.2	1.3	.2	.3	.2	.2	.2	.2	.1	.1	.0	.0	2.1	2.3	11.7
WNW	.1	.1	.8	.9	.3	.3	.2	.2	.3	.3	.1	.2	.0	.0	1.8	2.0	13.7
NW	.1	.1	1.2	1.3	.5	.5	.4	.4	.5	.5	.2	.2	.0	.0	2.9	3.2	13.9
NNW	.1	.2	1.7	1.8	.8	.9	.9	.9	.8	.9	.3	.3	.0	.1	4.7	5.1	14.6
CALM	1.6	1.7													1.6	1.7	
TOTAL	4.4	4.8	45.6	49.8	16.6	18.1	12.9	14.1	9.4	10.2	2.5	2.7	.2	.3	91.6	100	12.3

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 1 / NIGHT

STATION NUMBER: 03927

NO. OBS. : 24354

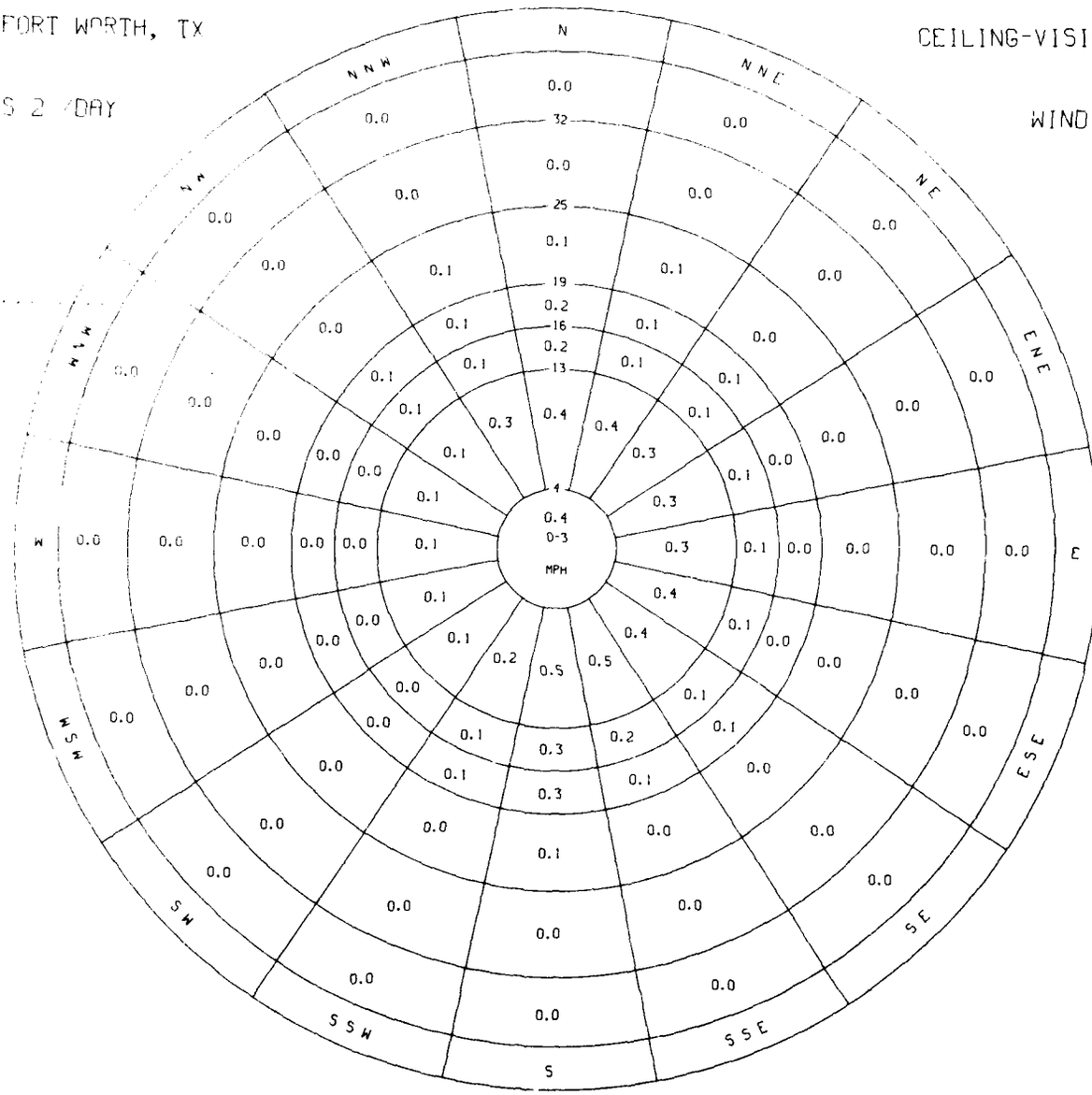
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.4	4.5	4.9	1.1	1.2	.9	.9	.6	.7	.2	.2	.0	.0	7.6	8.4	11.2
NNE	.3	.4	3.4	3.7	.9	1.0	.5	.6	.3	.3	.1	.1	.0	.0	5.5	6.0	10.6
NE	.2	.2	2.2	2.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.0	8.4
ENE	.3	.3	1.7	1.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.5	8.4
E	.4	.5	2.6	2.8	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	3.5	3.8	8.1
ESE	.3	.3	4.0	4.4	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	5.5	6.0	9.4
SE	.2	.3	6.0	6.6	1.2	1.3	.5	.5	.2	.2	.0	.0	.0	.0	8.1	8.9	9.8
SSE	.3	.3	7.4	8.2	1.8	2.0	1.0	1.1	.4	.5	.0	.1	.0	.0	11.0	12.1	10.5
S	.3	.4	10.0	11.0	3.5	3.8	2.3	2.6	1.4	1.5	.2	.2	.0	.0	17.7	19.4	11.8
SSW	.3	.3	4.7	5.1	1.4	1.6	.6	.7	.3	.3	.0	.0	.0	.0	7.3	8.0	10.5
SW	.2	.2	1.6	1.8	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.0	2.2	8.2
WSW	.2	.2	2.2	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.6	2.9	7.9
W	.2	.2	1.7	1.8	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.2	2.4	8.5
WNW	.1	.1	1.1	1.2	.3	.3	.1	.1	.1	.1	.0	.1	.0	.0	1.7	1.9	11.1
NW	.1	.1	1.9	2.0	.5	.5	.3	.3	.2	.3	.1	.1	.0	.0	3.1	3.4	11.6
NNW	.2	.2	3.0	3.3	.8	.8	.7	.7	.5	.5	.2	.2	.0	.0	5.3	5.8	11.8
CALM	2.9	3.2													2.9	3.2	
TOTAL	7.0	7.6	57.7	63.4	13.3	14.6	7.7	8.4	4.3	4.7	.9	1.0	.1	.1	90.9	100	10.1

GSW FORT WORTH, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 2 / DAY

STATION NUMBER: 03927

NO. OBS.: 2662

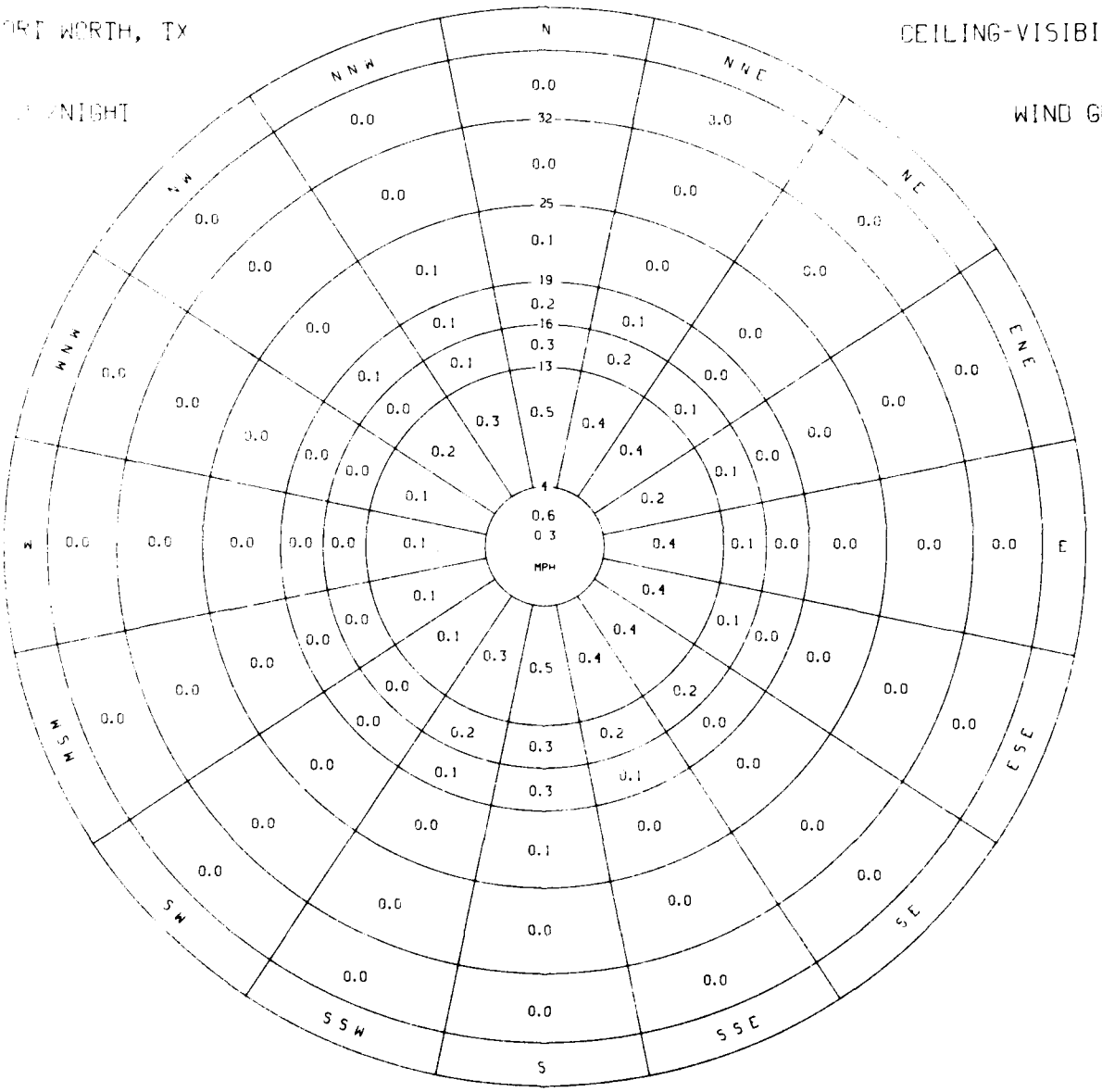
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.4	5.3	.2	2.9	.2	1.8	.1	1.7	.0	.2	.0	.0	1.0	12.2	13.4
N N E	.0	.1	.4	4.4	.1	1.7	.1	.9	.1	.9	.0	.1	.0	.0	.7	8.1	12.1
N E	.0	.2	.3	3.9	.1	1.3	.1	.9	.0	.4	.0	.0	.0	.0	.6	6.6	11.4
E N E	.0	.5	.3	3.2	.1	.9	.0	.5	.0	.1	.0	.0	.0	.1	.4	5.3	10.5
E	.0	.2	.3	3.8	.1	.9	.0	.5	.0	.3	.0	.0	.0	.1	.5	5.8	11.2
E S E	.0	.2	.4	4.2	.1	.8	.0	.5	.0	.2	.0	.1	.0	.0	.5	6.1	10.6
S E	.0	.2	.4	5.0	.1	1.3	.1	.9	.0	.3	.0	.0	.0	.0	.7	7.7	10.9
S S E	.0	.3	.5	5.5	.2	2.0	.1	1.1	.0	.4	.0	.0	.0	.0	.8	9.3	11.5
S	.0	.3	.5	6.2	.3	4.0	.3	3.2	.1	1.6	.0	.0	.0	.0	1.3	15.4	13.4
S S W	.0	.1	.2	2.1	.1	1.5	.1	.7	.0	.2	.0	.0	.0	.0	.4	4.7	12.5
S W	.0	.1	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	8.7
W S W	.0	.1	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	8.0
W	.0	.1	.1	1.2	.0	.2	.0	.1	.0	.3	.0	.2	.0	.1	.2	2.1	13.3
W N W	.0	.1	.1	1.0	.0	.5	.0	.0	.0	.2	.0	.1	.0	.0	.2	2.0	11.7
N W	.0	.1	.1	1.5	.1	.8	.1	.8	.0	.4	.0	.1	.0	.1	.3	3.7	13.7
N N W	.0	.1	.3	3.3	.1	1.1	.1	1.1	.1	1.2	.0	.2	.0	.1	.6	7.1	13.8
C A L M	.2	2.0													.2	2.0	
T O T A L	.4	4.9	4.4	52.0	1.7	20.1	1.1	13.2	.7	8.2	.1	1.1	.0	.5	8.4	100	11.9

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 1 NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 2 / NIGHT

STATION NUMBER: 03927

NO. OBS.: 2425

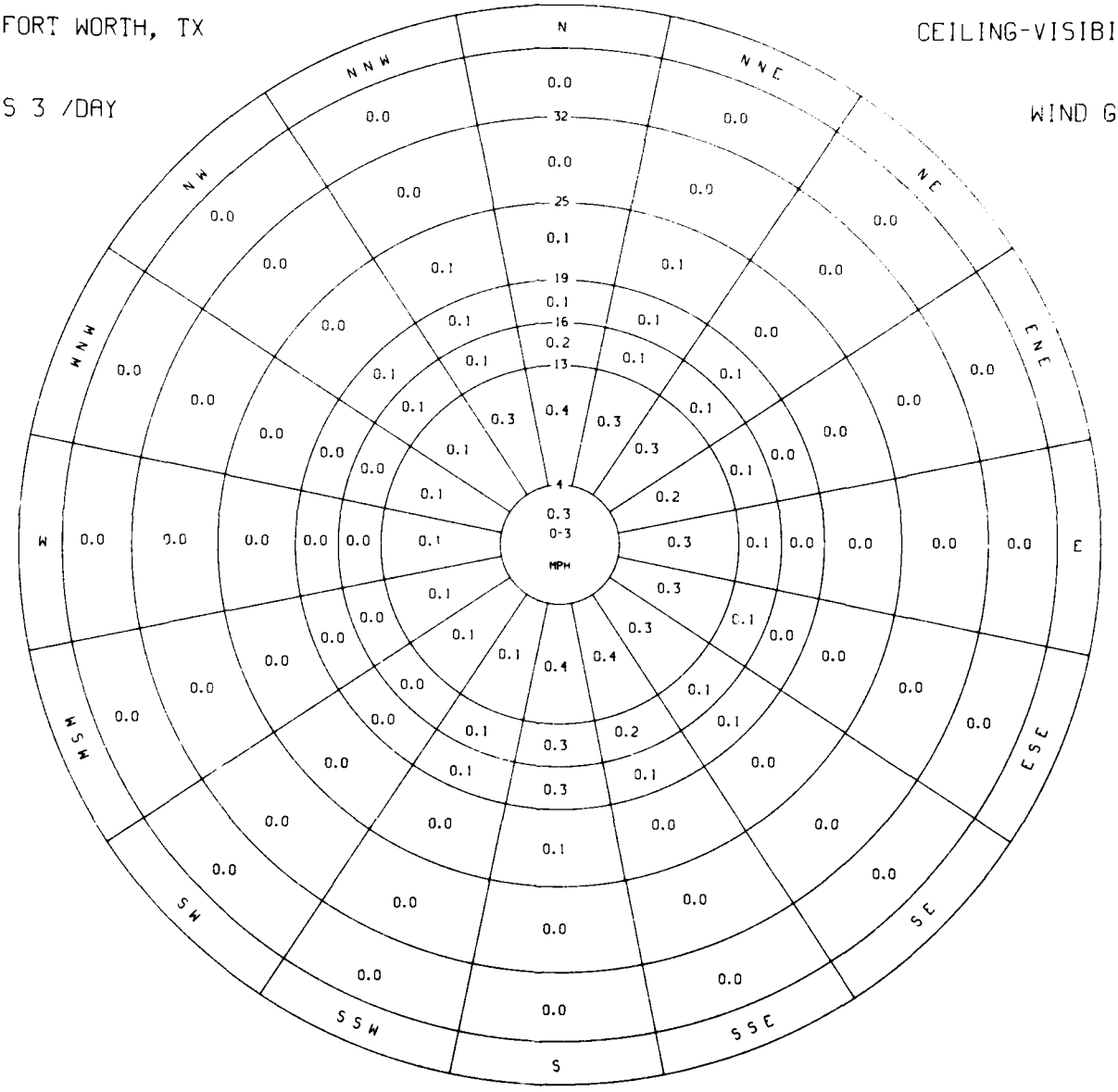
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.5	5.4	.3	3.2	.2	2.6	.1	1.6	.0	.4	.0	.0	1.2	13.4	13.5
NNE	.0	.3	.4	4.6	.2	1.8	.1	.6	.0	.4	.0	.2	.0	.1	.7	8.0	11.5
NE	.0	.2	.4	4.6	.1	.7	.0	.3	.0	.0	.0	.0	.0	.0	.5	5.8	9.3
ENE	.0	.5	.2	2.6	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.4	3.9	9.5
E	.0	.4	.4	4.1	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.5	5.8	9.5
ESE	.0	.2	.4	4.3	.1	.6	.0	.5	.0	.2	.0	.1	.0	.0	.5	5.9	9.8
SE	.0	.2	.4	4.3	.2	1.7	.0	.5	.0	.2	.0	.0	.0	.0	.6	7.0	10.8
SSE	.0	.2	.4	4.7	.2	2.3	.1	1.1	.0	.4	.0	.0	.0	.0	.8	8.7	11.7
S	.0	.2	.5	6.1	.3	3.7	.3	3.2	.1	1.4	.0	.2	.0	.0	1.3	14.7	13.3
SSW	.0	.1	.3	3.0	.2	1.7	.1	.7	.0	.3	.0	.0	.0	.0	.5	5.8	11.9
SW	.0	.2	.1	1.1	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.2	1.7	9.2
WSW	.0	.1	.1	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	9.0
W	.0	.2	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.6	10.3
WNW	.0	.1	.1	1.0	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.9	11.9
NW	.0	.2	.2	2.1	.0	.5	.1	.7	.0	.3	.0	.2	.0	.1	.4	4.0	12.7
NNW	.0	.1	.3	3.4	.1	1.3	.1	1.4	.1	.9	.0	.2	.0	.1	.7	7.5	13.9
CALM	.3	2.8													.3	2.8	
TOTAL	.6	6.3	4.8	53.3	1.8	19.9	1.1	12.3	.6	6.1	.1	1.6	.0	.4	9.1	100	11.4

GSW FORT WORTH, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SEW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 3 / DAY

STATION NUMBER: 03927

NO. OBS.: 2365

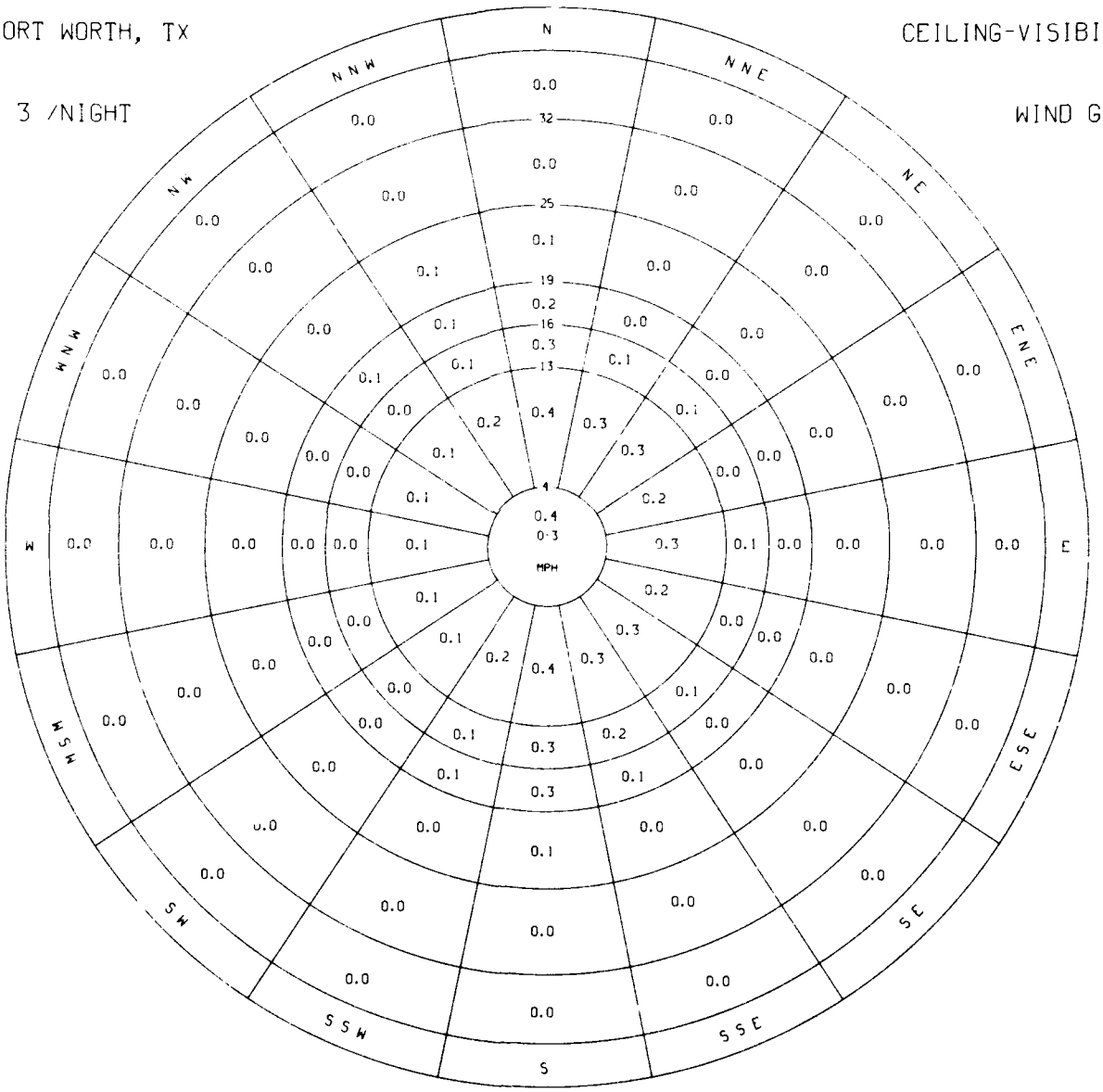
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.4	5.1	.2	3.1	.1	1.9	.1	1.9	.0	.3	.0	.0	.9	12.5	13.6
NNE	.0	.1	.3	4.0	.1	1.8	.1	1.0	.1	1.0	.0	.1	.0	.0	.6	8.0	12.5
NE	.0	.1	.3	3.9	.1	1.4	.1	.9	.0	.4	.0	.0	.0	.0	.5	6.7	11.6
ENE	.0	.3	.2	3.1	.1	.8	.0	.5	.0	.1	.0	.0	.0	.1	.4	5.1	10.8
E	.0	.2	.3	3.9	.1	1.0	.0	.5	.0	.3	.0	.0	.0	.1	.5	6.1	11.4
ESE	.0	.2	.3	3.8	.1	.7	.0	.6	.0	.3	.0	.1	.0	.0	.4	5.6	11.1
SE	.0	.1	.3	4.6	.1	1.4	.1	.9	.0	.4	.0	.0	.0	.0	.6	7.4	11.3
SSE	.0	.3	.4	5.3	.2	2.2	.1	1.2	.0	.4	.0	.0	.0	.0	.7	9.3	11.8
S	.0	.2	.4	5.8	.3	4.1	.3	3.6	.1	1.8	.0	.0	.0	.0	1.2	15.6	13.7
SSW	.0	.1	.1	1.9	.1	1.6	.1	.8	.0	.2	.0	.0	.0	.0	.4	4.7	12.7
SW	.0	.0	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	9.1
WSW	.0	.1	.1	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	8.2
W	.0	.1	.1	1.1	.0	.2	.0	.1	.0	.3	.0	.2	.0	.0	.1	2.0	12.9
WNW	.0	.1	.1	1.0	.0	.5	.0	.0	.0	.2	.0	.1	.0	.0	.2	2.0	12.0
NW	.0	.1	.1	1.6	.1	.8	.1	.8	.0	.4	.0	.1	.0	.1	.3	3.8	13.9
NNW	.0	.1	.3	3.6	.1	1.2	.1	1.3	.1	1.3	.0	.2	.0	.0	.6	7.7	13.6
CALM	.1	1.6													.1	1.6	
TOTAL	.3	4.0	3.8	50.3	1.6	20.9	1.1	14.2	.7	9.0	.1	1.2	.0	.4	7.5	100	12.2

GSW FORT WORTH, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 3 / NIGHT

STATION NUMBER: 03927

NO. OBS.: 1908

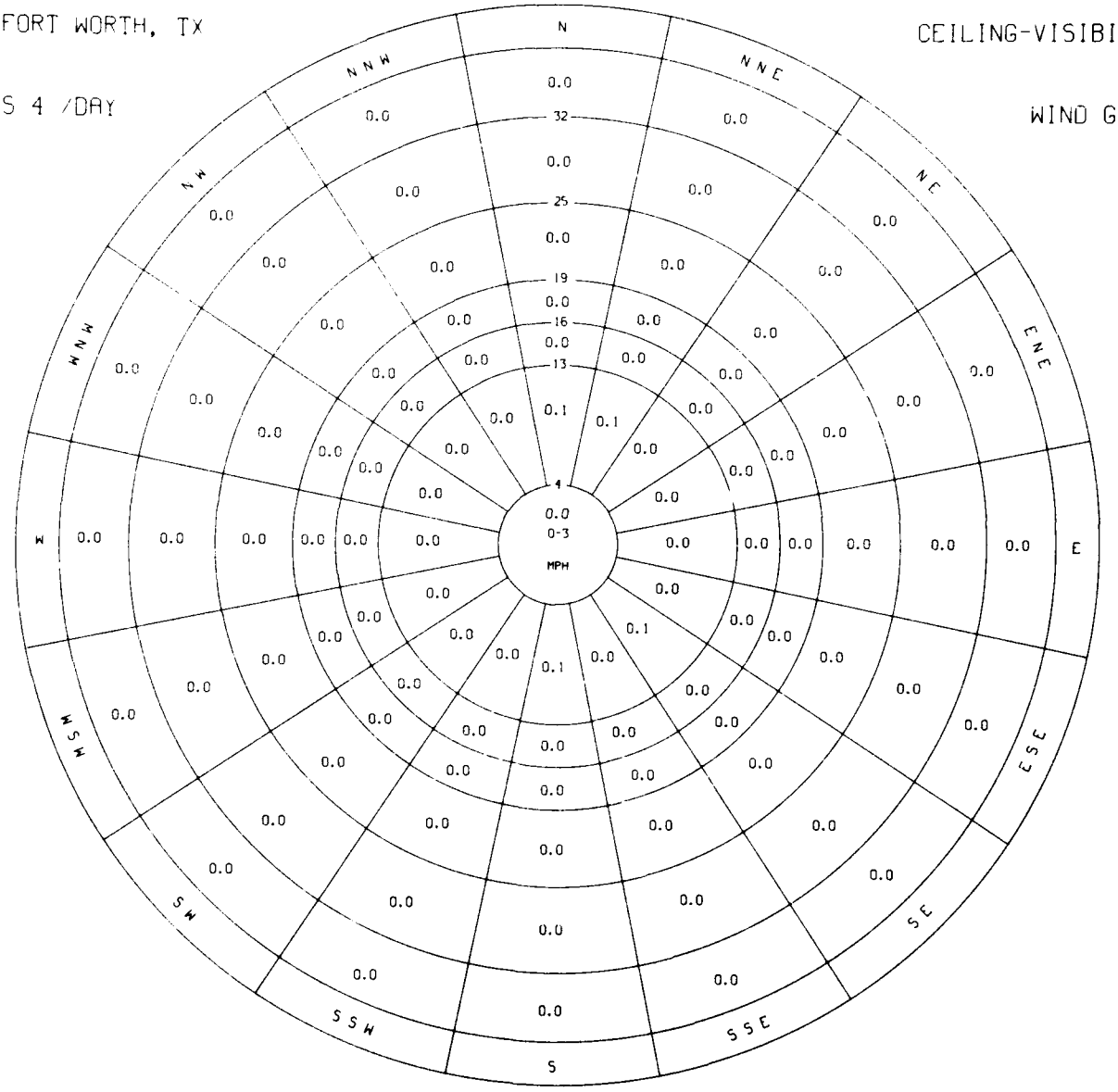
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.4	5.7	.3	3.6	.2	3.1	.1	1.8	.0	.5	.0	.0	1.1	14.8	13.9
NNE	.0	.3	.3	3.9	.1	1.8	.0	.7	.0	.4	.0	.3	.0	.1	.5	7.4	12.2
NE	.0	.2	.3	4.2	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.4	5.5	9.8
ENE	.0	.4	.2	2.6	.0	.7	.0	.2	.0	.1	.0	.1	.0	.0	.3	4.0	10.0
E	.0	.3	.3	4.0	.1	.8	.0	.2	.0	.1	.0	.1	.0	.1	.4	5.5	9.8
ESE	.0	.1	.2	3.4	.0	.6	.0	.4	.0	.2	.0	.1	.0	.0	.3	4.7	10.4
SE	.0	.2	.3	3.8	.1	1.6	.0	.5	.0	.3	.0	.1	.0	.0	.5	6.4	11.3
SSE	.0	.2	.3	4.5	.2	2.5	.1	1.4	.0	.4	.0	.1	.0	.0	.6	9.0	12.2
S	.0	.2	.4	5.8	.3	4.0	.3	3.7	.1	1.7	.0	.2	.0	.0	1.1	15.6	13.9
SSW	.0	.1	.2	2.3	.1	2.0	.1	.9	.0	.4	.0	.0	.0	.0	.4	5.7	12.7
SW	.0	.2	.1	.9	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.1	1.5	10.3
WSW	.0	.1	.1	.8	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1	1.1	9.9
W	.0	.3	.1	.8	.0	.3	.0	.1	.0	.2	.0	.0	.0	.1	.1	1.7	11.1
WNW	.0	.1	.1	1.0	.0	.6	.0	.2	.0	.2	.0	.1	.0	.1	.2	2.1	12.5
NW	.0	.2	.1	2.1	.0	.6	.1	.9	.0	.4	.0	.2	.0	.1	.3	4.4	13.2
NNW	.0	.1	.2	3.4	.1	1.6	.1	1.8	.1	1.1	.0	.3	.0	.2	.6	8.4	14.3
CALM	.2	2.3													.2	2.3	
TOTAL	.4	5.1	3.5	49.1	1.5	21.6	1.0	14.5	.5	7.3	.1	2.0	.0	.4	7.1	100	12.1

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 4 / DAY

STATION NUMBER: 03927

NO. OBS.: 204

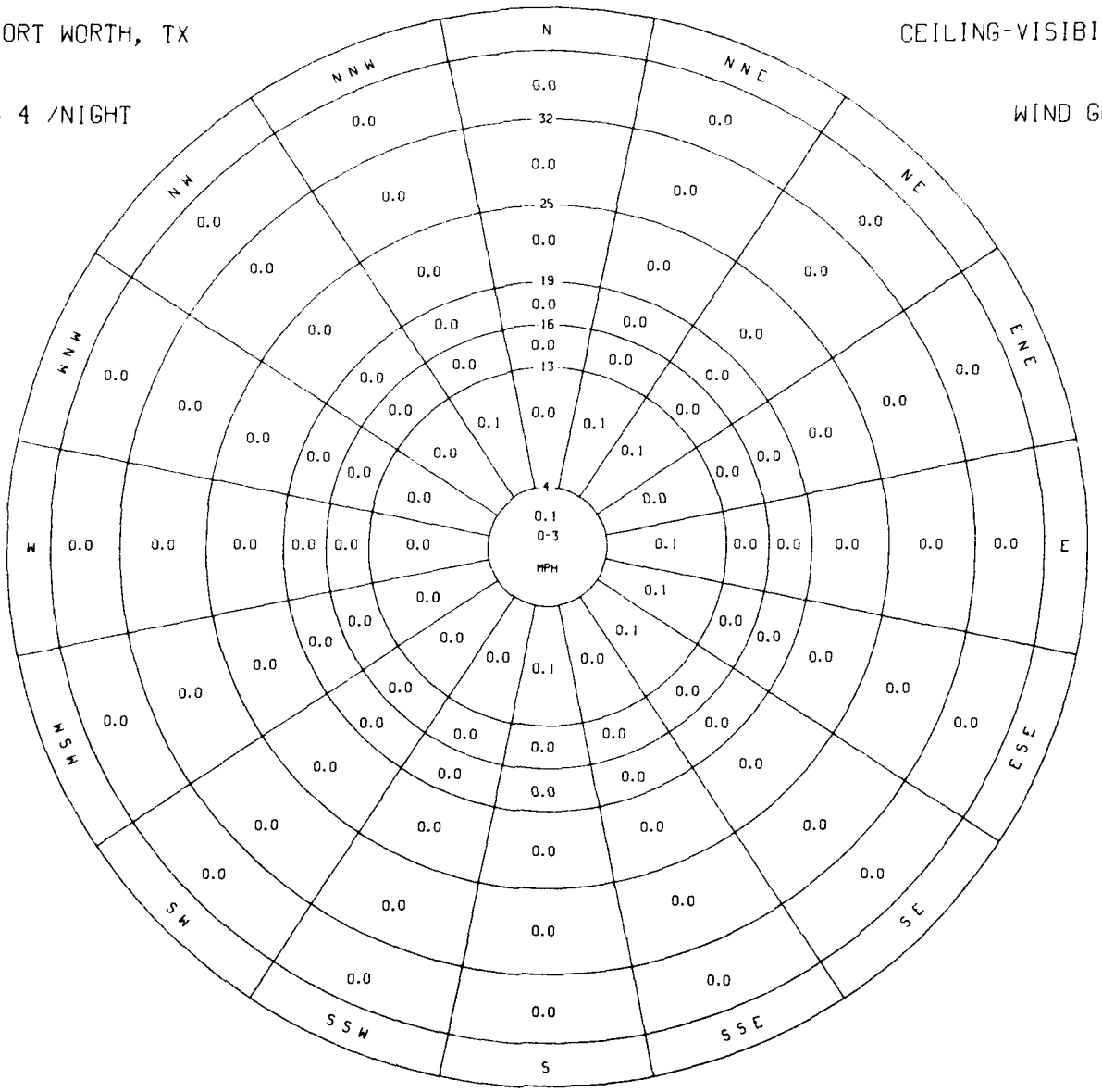
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.1	9.3	.0	2.0	.0	2.0	.0	.0	.0	.0	.0	.0	.1	13.2	10.9
NNE	.0	.0	.1	8.3	.0	1.0	.0	.5	.0	.5	.0	.0	.0	.0	.1	10.3	9.7
NE	.0	.0	.0	3.9	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.5	.0	6.4	12.6
ENE	.0	1.5	.0	3.9	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	7.4	8.6
E	.0	.0	.0	2.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	3.4	9.0
ESE	.0	.0	.0	6.4	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.3	9.1
SE	.0	.0	.1	7.8	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	9.3	9.7
SSE	.0	.5	.0	5.9	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	7.8	10.1
S	.0	1.0	.1	8.3	.0	2.9	.0	.5	.0	.0	.0	.0	.0	.0	.1	12.7	10.0
SSW	.0	.0	.0	3.9	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	4.9	10.9
SW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
WSW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.0
W	.0	.0	.0	1.0	.0	.5	.0	.0	.0	.5	.0	.5	.0	.0	.0	2.5	15.6
WNW	.0	.0	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.5
NW	.0	.0	.0	1.0	.0	1.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	2.9	12.8
NNW	.0	.0	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	3.4	19.4
CALM	.0	3.9													.0	3.9	
TOTAL	.0	7.4	.4	66.2	.1	16.2	.0	6.4	.0	2.0	.0	.5	.0	1.5	.6	100	10.1

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 4 / NIGHT

STATION NUMBER: 03927

NO. OBS.: 302

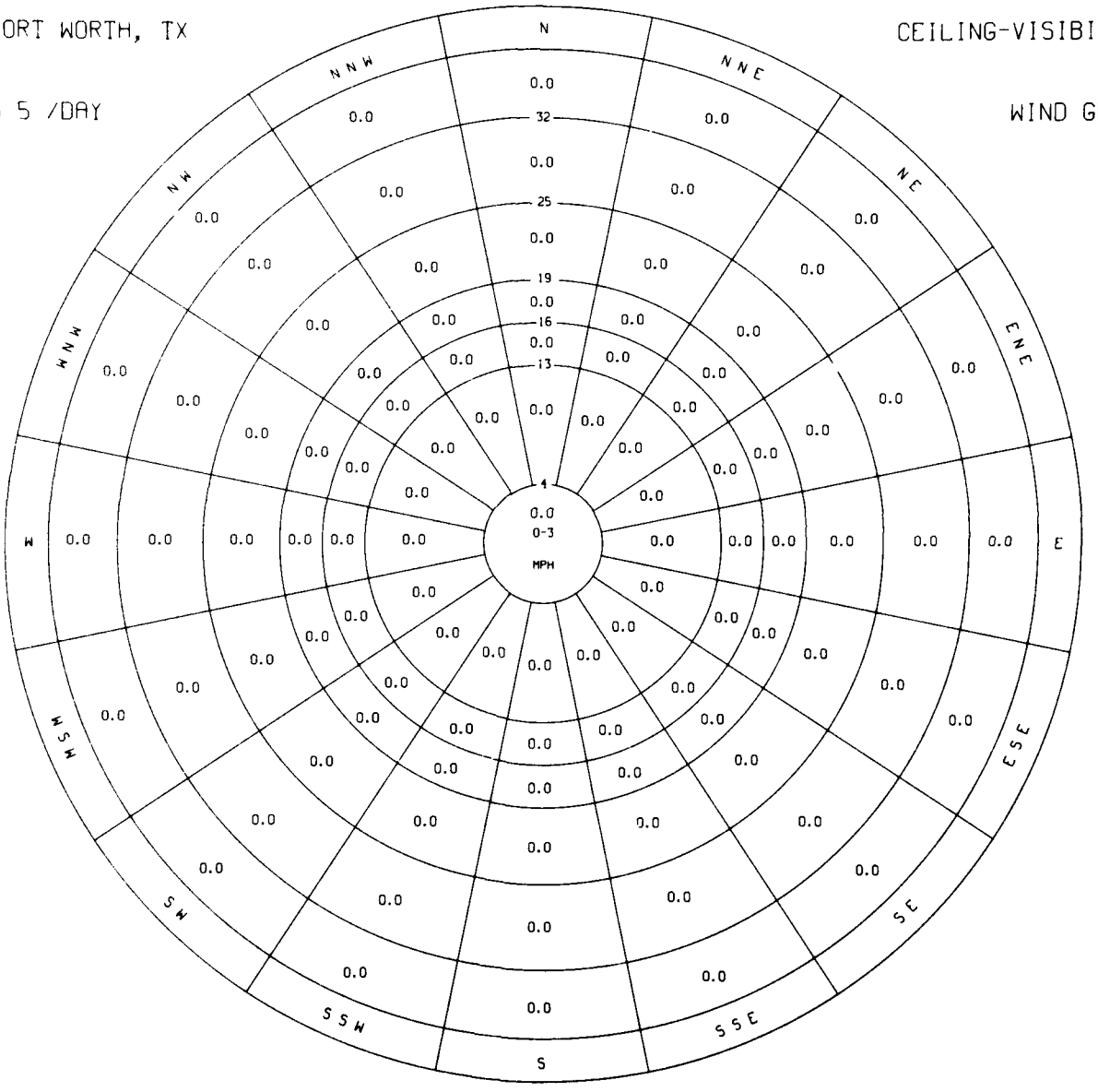
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.0	4.3	.0	2.6	.0	.7	.0	1.7	.0	.0	.0	.0	.1	9.9	12.3
NNE	.0	.3	.1	7.3	.0	3.0	.0	.0	.0	.3	.0	.3	.0	.3	.1	11.6	10.7
NE	.0	.0	.1	7.0	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.1	8.3	8.6
ENE	.0	1.0	0	2.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.4
E	.0	.3	.1	4.6	.0	1.3	.0	.7	.0	.0	.0	.0	.0	.0	.1	7.0	9.5
ESE	.0	.3	.1	8.6	.0	.7	.0	.3	.0	.3	.0	.0	.0	.0	.1	10.3	8.9
SE	.0	.7	.1	6.6	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.3	10.1
SSE	.0	.0	.0	4.0	.0	2.6	.0	.0	.0	.3	.0	.0	.0	.0	.1	7.0	11.1
S	.0	.0	.1	4.6	.0	2.6	.0	1.3	.0	.0	.0	.0	.0	.0	.1	8.6	11.7
SSW	.0	.0	.0	3.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	10.2
SW	.0	.3	.0	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.6
WSW	.0	.3	.0	1.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	8.0
W	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.3
WNW	.0	.0	.0	1.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.3	9.5
NW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.5
NNW	.0	.0	.1	5.0	.0	.3	.0	.3	.0	.0	.0	.3	.0	.0	.1	6.0	10.6
CALM	.0	3.3													.0	3.3	
TOTAL	.1	7.3	.7	65.2	.2	19.9	.0	4.0	.0	2.6	.0	.7	.0	.3	1.1	100	9.7

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 5 / DAY

STATION NUMBER: 03927

NO. OBS.: 4

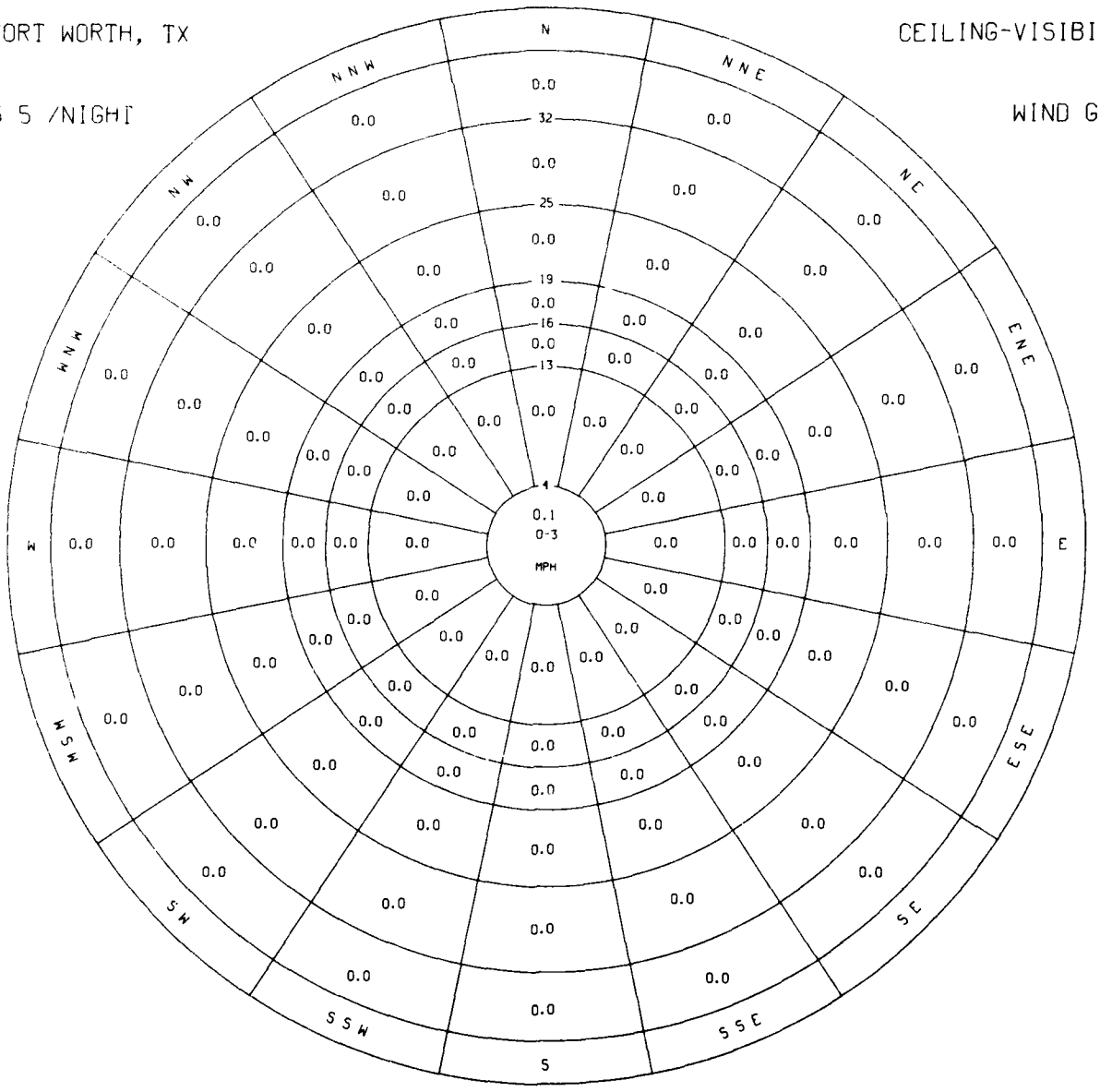
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4 12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	4.9	21.0
NNE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.0
NE	.0	4.9	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	4.0
ENE	.0	2.4	.0	4.9	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	8.2
E	.0	2.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	7.5
ESE	.0	.0	.0	9.8	.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.6	9.8
SE	.0	2.4	.0	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.2	7.8
SSE	.0	.0	.0	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	6.3
S	.0	.0	.0	12.2	.0	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	19.5	10.6
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.0
W	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	4.9	19.5
WNW	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	14.0
NW	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	2.4	16.0
NNW	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	7.0
CALM	.0	.0													.0	.0	
TOTAL	.0	12.2	.1	63.4	.0	17.1	.0	2.4	.0	.0	.0	.0	.0	4.9	.1	100	9.7

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 5 / NIGHT

STATION NUMBER: 03927

NO. OBS.: 128

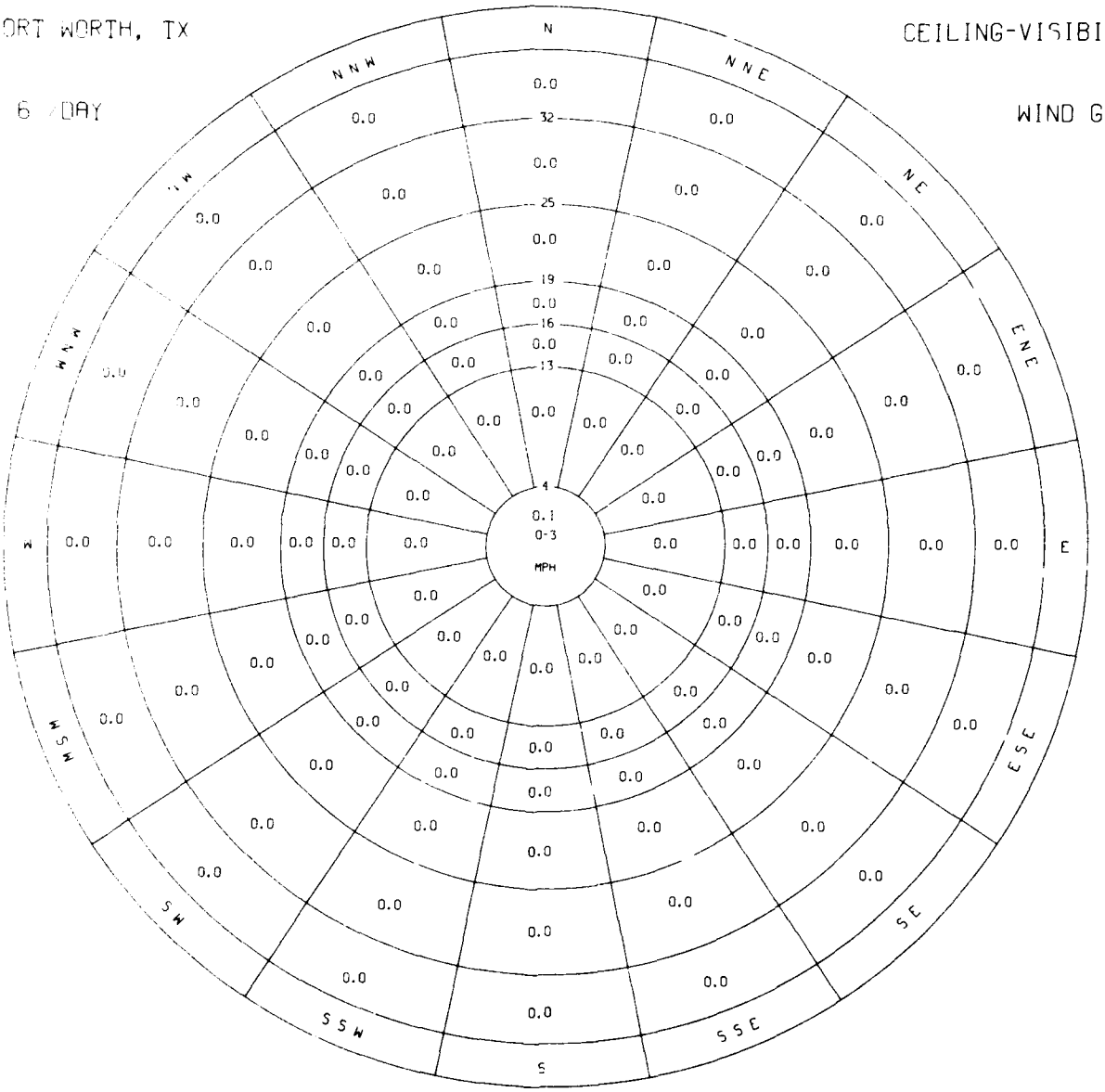
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.0	4.7	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	7.0	9.3
NNE	.0	.8	.0	8.6	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	10.2	8.4
NE	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.3
ENE	.0	.0	.0	2.3	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	10.2
E	.0	1.6	.0	6.3	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	9.4	8.6
ESE	.0	.8	.0	6.3	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	10.2	9.8
SE	.0	.8	.0	6.3	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	8.6	8.6
SSE	.0	.0	.0	8.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	8.8
S	.0	.8	.0	8.6	.0	3.1	.0	1.6	.0	.0	.0	.0	.0	.0	.1	14.1	10.1
SSW	.0	.0	.0	6.3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	7.0	9.6
SW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	7.2
WSW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.0
W	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.0
WNW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.5
NW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	3.1	16.2
NNW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	8.7
CALM	.0	4.7													.0	4.7	
TOTAL	.1	10.9	.3	71.9	.0	8.6	.0	7.0	.0	.8	.0	.0	.0	.8	.5	100	8.8

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, TX

PERIOD: 1954-1973

CLASS 6 / DAY

STATION NUMBER: 03927

NO. OBS.: 52

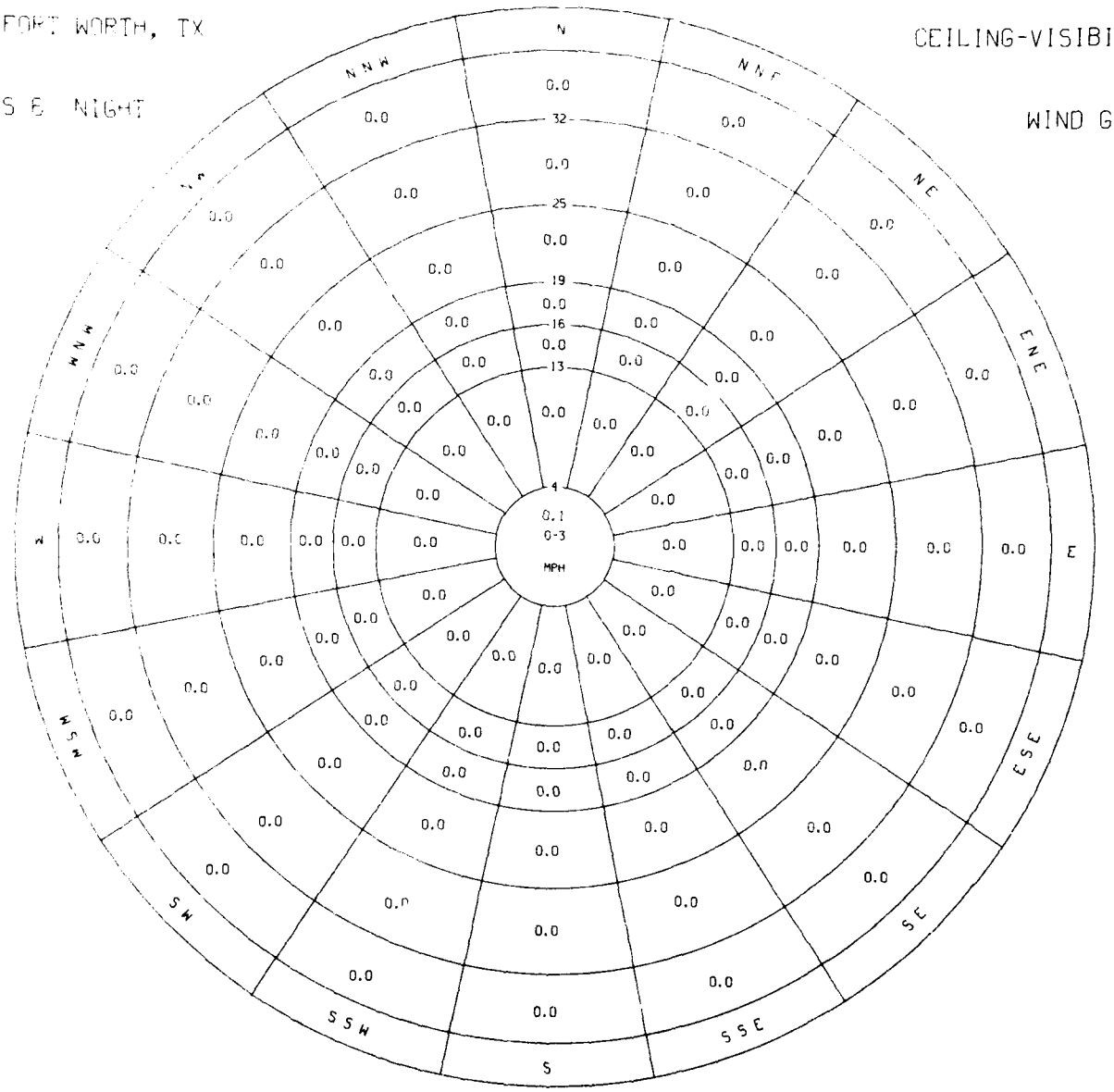
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.0
NNE	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	6.3
NE	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	4.5
ENE	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.0
E	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	12.0
ESE	.0	3.8	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	5.2
SE	.0	3.8	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	6.5
SSE	.0	.0	.0	11.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.5	8.0
S	.0	.0	.0	11.5	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	13.5	10.7
SSW	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	8.0
SW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.0
WSW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.0
W	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	10.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	3.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	17.3													.0	17.3	
TOTAL	.1	30.8	.1	65.4	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.2	100	6.1

GSW FORT WORTH, TX

CLASS 6 NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSW FORT WORTH, Tx

PERIOD: 1954-1973

CLASS 6 / NIGHT

STATION NUMBER: 03927

NO. OBS.: 87

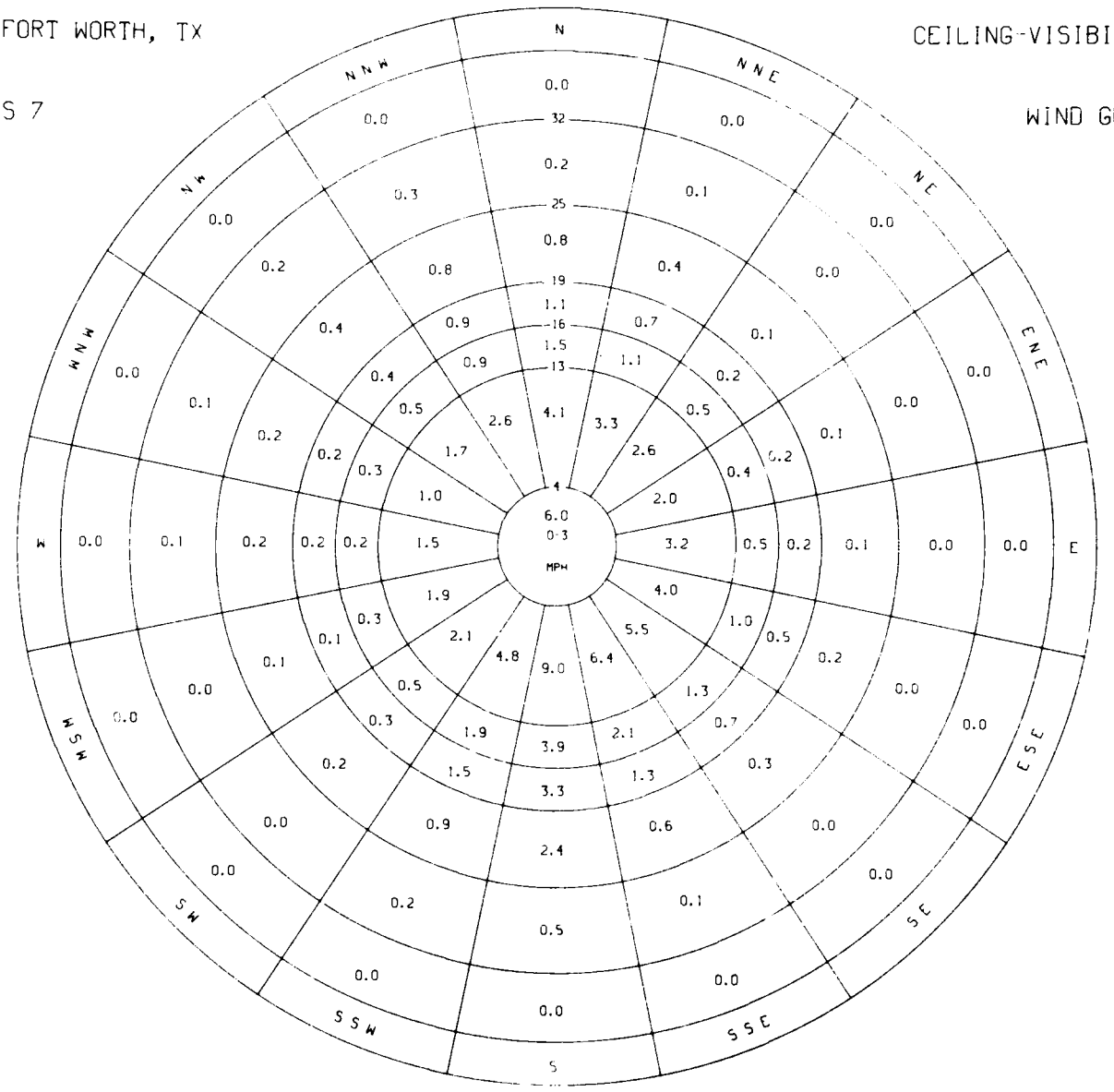
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.3
N N E	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.7
N E	.0	.0	.0	9.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	6.9
E N E	.0	1.1	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.7
E	.0	1.1	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.3
E S E	.0	2.3	.0	6.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	6.3
S E	.0	.0	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	7.4
S S E	.0	2.3	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.0	5.7
S	.0	1.1	.0	13.8	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.1	17.2	9.2
S S W	.0	.0	.0	10.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.3	8.0
S W	.0	1.1	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.2
W S W	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.5
W	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	6.5
W N W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
N W	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.0
N N W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
C A L M	.0	11.5													.0	11.5	
T O T A L	.1	21.8	.2	75.9	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.3	100	6.2

GSW FORT WORTH, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

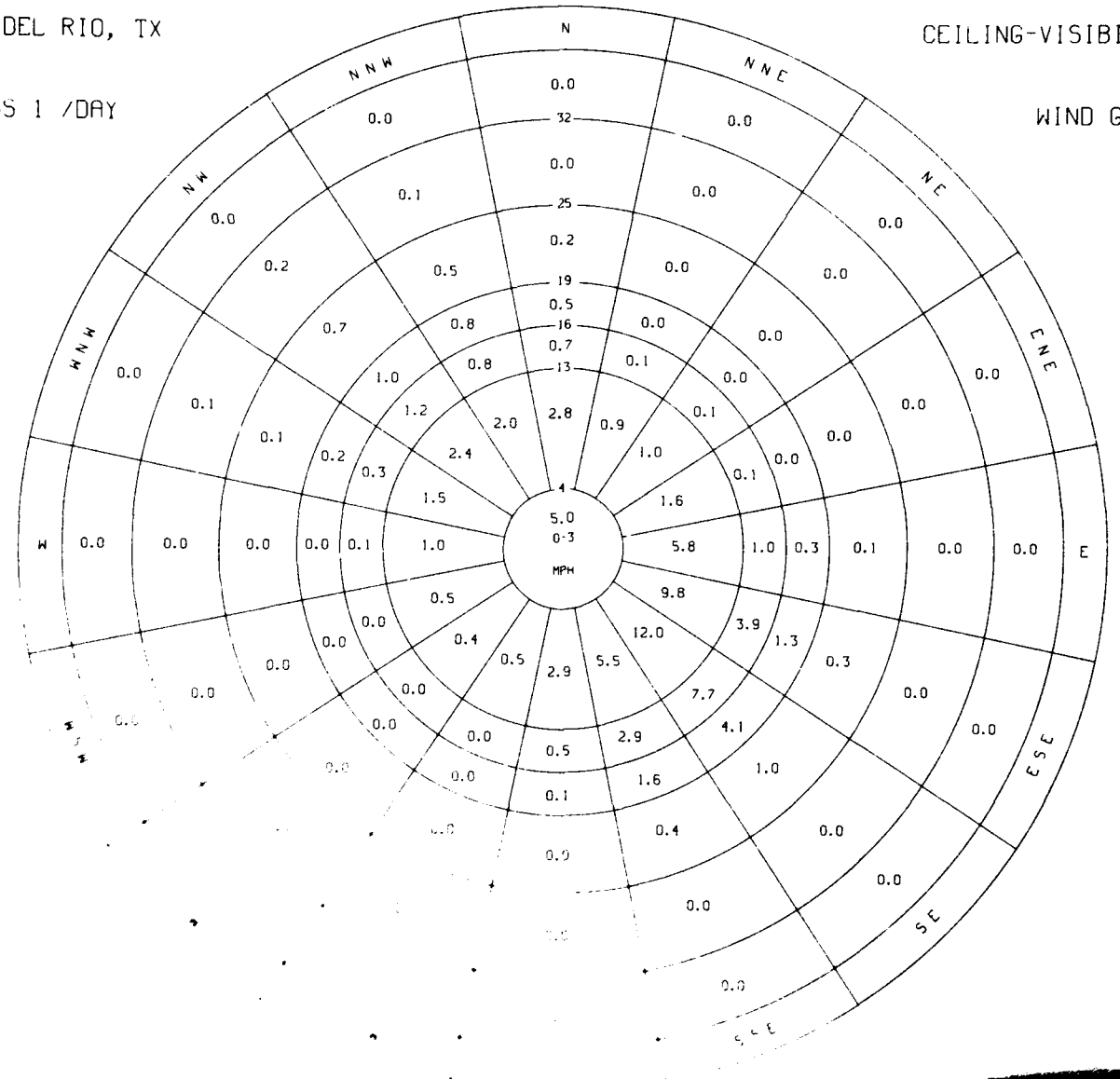


DRT DEL RIO, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 1 / DAY

STATION NUMBER: 22010

NO. OBS.: 21484

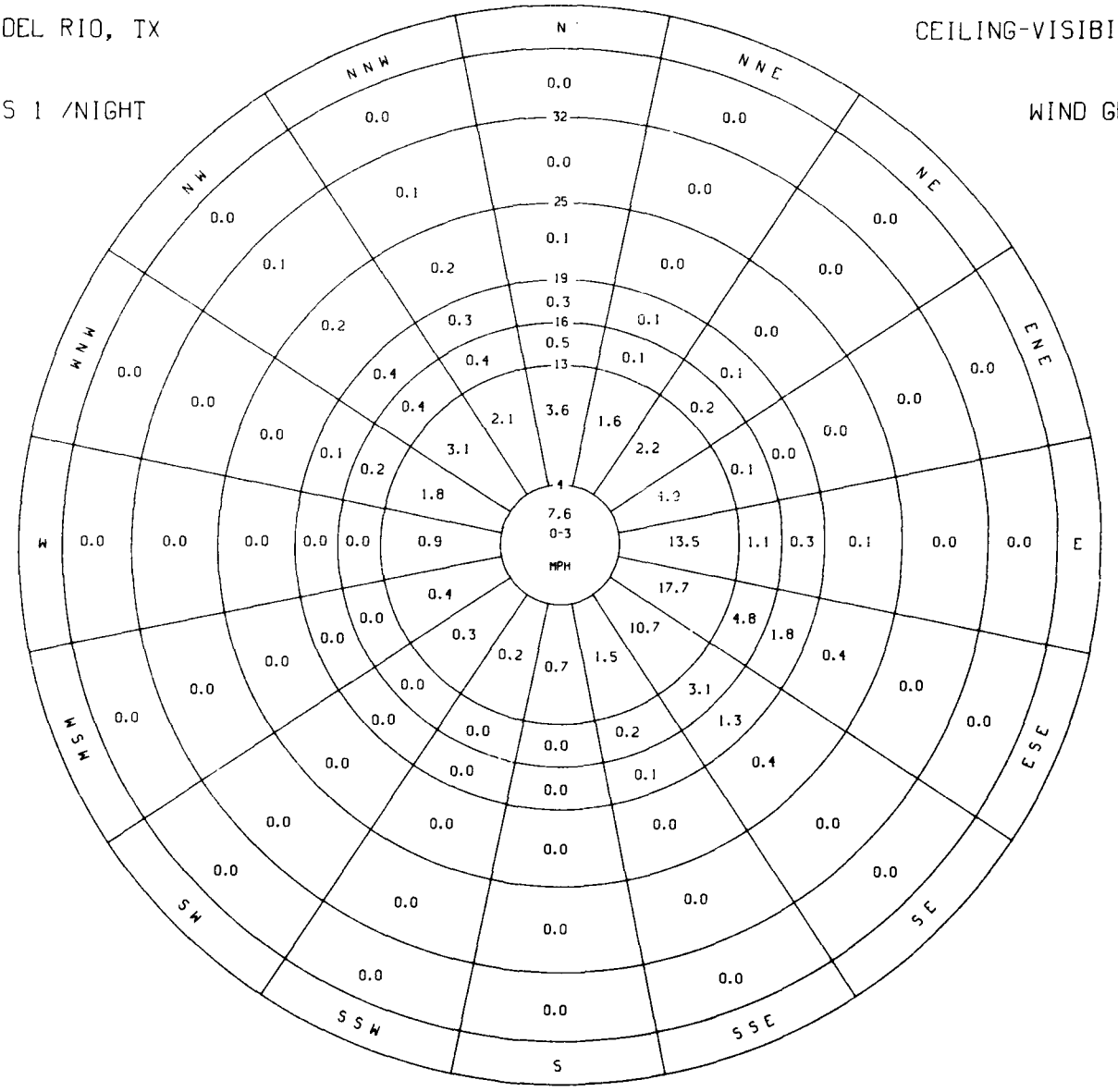
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	2.8	3.1	.7	.8	.5	.5	.2	.2	.0	.0	.0	.0	4.3	4.8	10.4
NNE	.1	.1	.9	1.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.3	8.2
NE	.2	.2	1.0	1.1	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	1.3	1.5	7.9
ENE	.2	.2	1.6	1.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.2	7.7
E	.2	.2	5.8	6.5	1.0	1.1	.3	.3	.1	.1	.0	.0	.0	.0	7.3	8.2	9.4
ESE	.1	.2	9.8	11.0	3.9	4.3	1.3	1.5	.3	.3	.0	.0	.0	.0	15.4	17.4	11.2
SE	.2	.2	12.0	13.6	7.7	8.6	4.1	4.6	1.0	1.1	.0	.0	.0	.0	25.0	28.2	12.5
SSE	.2	.2	5.5	6.2	2.9	3.2	1.6	1.8	.4	.4	.0	.0	.0	.0	10.6	11.9	11.8
S	.2	.3	2.9	3.3	.5	.5	.1	.2	.0	.0	.0	.0	.0	.0	3.8	4.3	8.7
SSW	.1	.1	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	5.9
SW	.1	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	5.8
WSW	.2	.2	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	5.6
W	.2	.2	1.0	1.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.5	7.2
WNW	.1	.2	1.5	1.7	.3	.3	.2	.2	.1	.1	.1	.1	.0	.0	2.4	2.7	10.5
NW	.1	.1	2.4	2.7	1.2	1.3	1.0	1.1	.7	.8	.2	.2	.0	.0	5.6	6.3	13.3
NNW	.1	.1	2.0	2.3	.8	.9	.8	.9	.5	.5	.1	.1	.0	.0	4.3	4.9	12.8
CALM	2.5	2.8													2.5	2.8	
TOTAL	5.0	5.7	50.6	57.0	19.3	21.7	10.1	11.4	3.3	3.7	.4	.5	.0	.1	88.8	100	10.9

DRT DEL RIO, TX

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 1 / NIGHT

STATION NUMBER: 22010

NO. OBS.: 17745

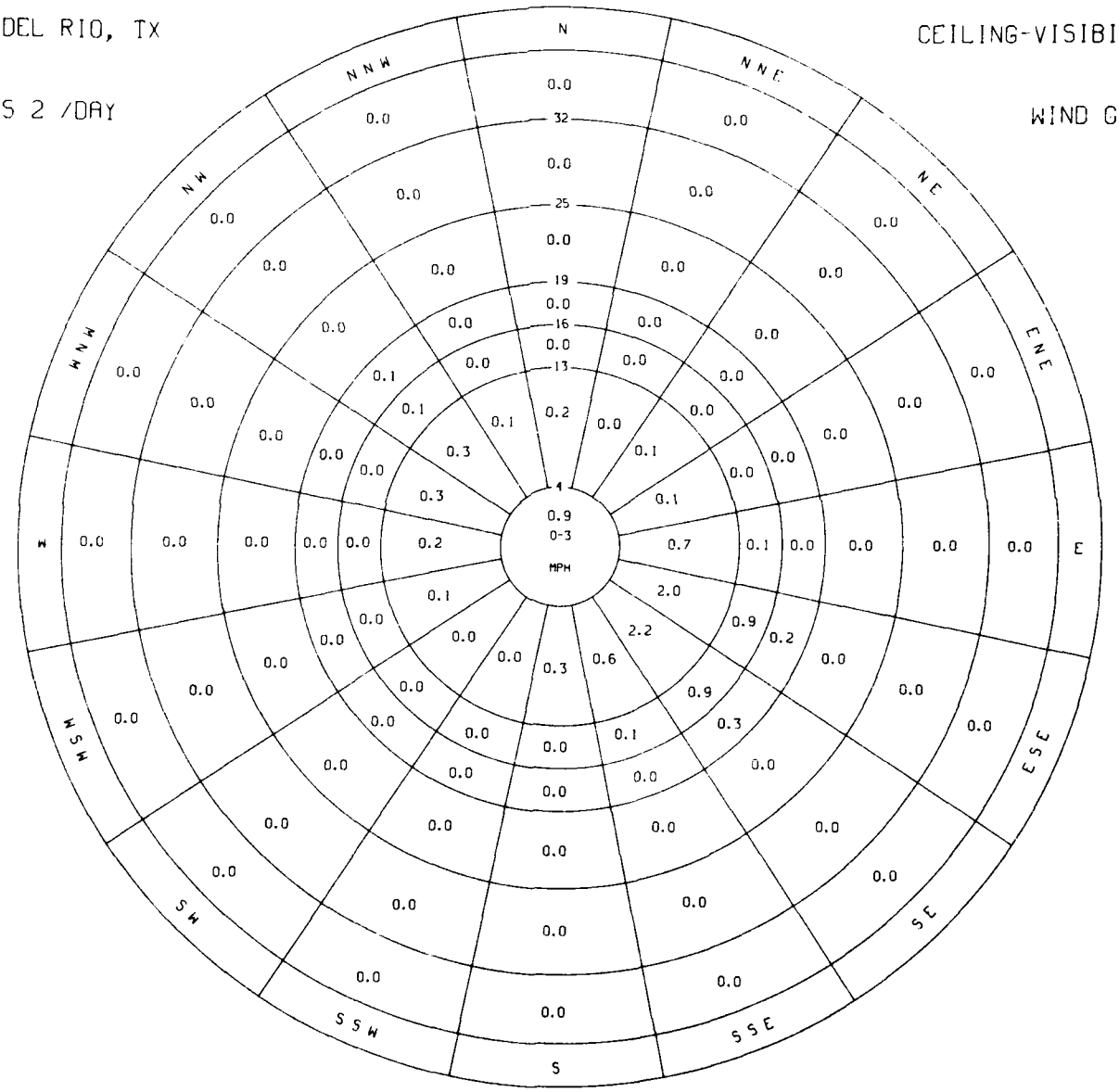
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B			C	D	
N	.3	.3	3.6	4.0	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0			4.8	5.3	9.0
NNE	.1	.1	1.6	1.8	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0			2.0	2.2	8.4
NE	.2	.3	2.2	2.4	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0			2.7	3.0	7.9
ENE	.3	.3	4.9	5.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0			5.4	5.9	7.2
E	.4	.4	13.5	14.9	1.1	1.2	.3	.4	.1	.1	.0	.0	.0	.0			15.4	17.0	8.6
ESE	.3	.4	17.7	19.6	4.8	5.3	1.8	2.0	.4	.5	.0	.0	.0	.0			25.1	27.7	10.5
SE	.3	.3	10.7	11.8	3.1	3.4	1.3	1.4	.4	.5	.0	.0	.0	.0			15.8	17.4	10.6
SSE	.2	.2	1.5	1.6	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0			2.0	2.2	8.2
S	.2	.3	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			1.0	1.1	5.9
SSW	.1	.1	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.3	.4	6.0
SW	.1	.1	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.4	.5	5.6
WSW	.2	.2	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.6	.7	5.2
W	.2	.2	.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			1.1	1.2	6.2
WNW	.1	.1	1.8	2.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0			2.2	2.4	8.3
NW	.1	.2	3.1	3.4	.4	.4	.4	.5	.2	.2	.1	.1	.0	.0			4.3	4.8	10.0
NNW	.1	.1	2.1	2.3	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0			3.1	3.5	10.5
CALM	4.3	4.8															4.3	4.8	
TOTAL	7.6	8.4	65.2	72.1	11.1	12.2	4.8	5.3	1.5	1.7	.2	.3	.0	.0			90.4	100	9.0

DRT DEL RIO, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 2 / DAY

STATION NUMBER: 22010

NO. OBS.: 2721

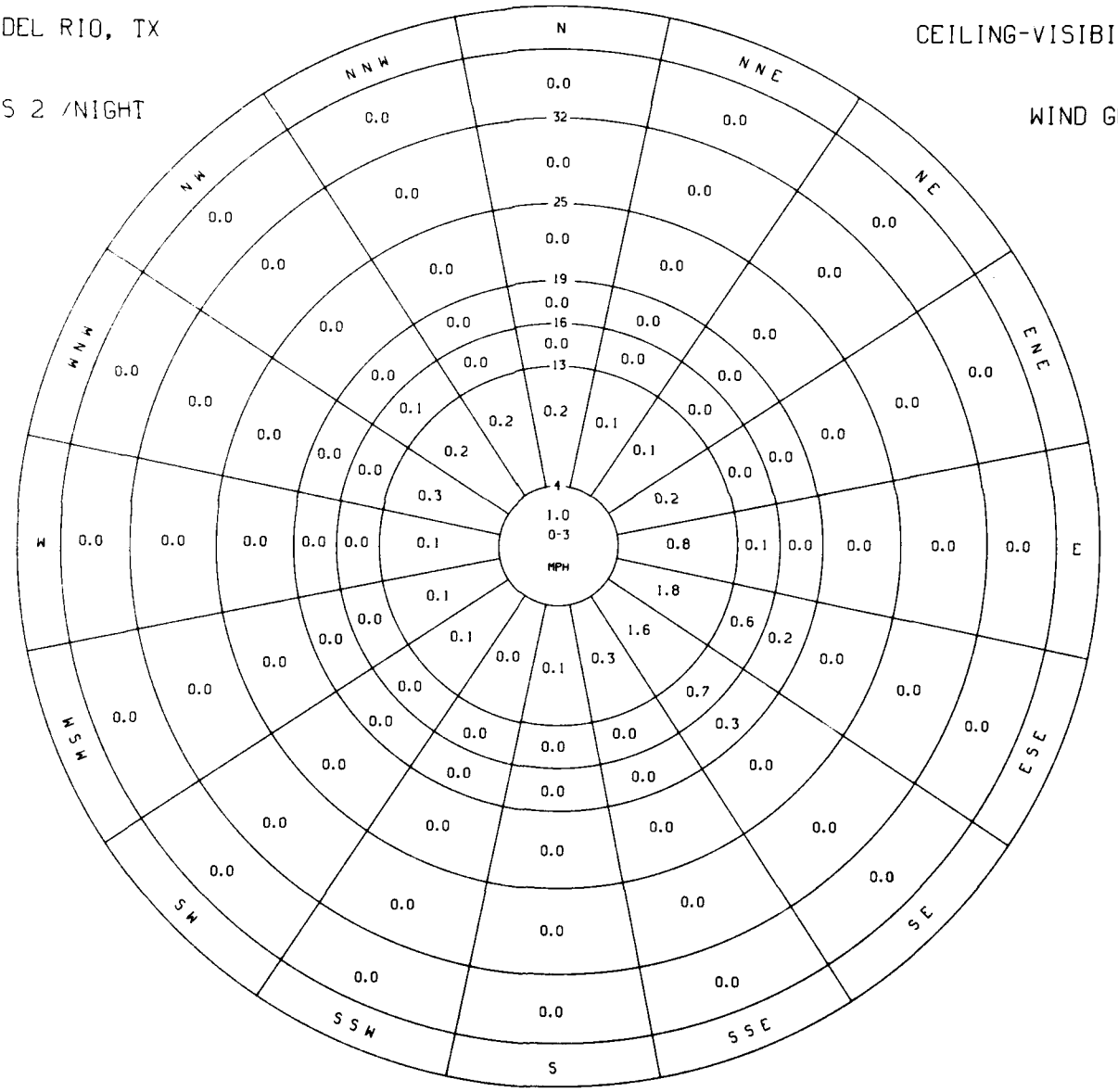
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.2	1.4	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.2	1.9	8.6
NNE	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	10.5
NE	.0	.1	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.2	9.1
ENE	.0	.1	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	9.6
E	.0	.3	.7	6.3	.1	.9	.0	.4	.0	.0	.0	.0	.0	.0	.9	7.9	9.2
ESE	.0	.3	2.0	17.4	.9	7.8	.2	1.7	.0	.1	.0	.0	.0	.0	3.1	27.3	11.0
SE	.0	.1	2.3	20.0	.9	8.4	.3	2.9	.0	.4	.0	.0	.0	.0	3.6	31.9	11.4
SSE	.0	.2	.6	5.3	.1	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.8	6.8	9.5
S	.0	.3	.3	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.7	6.4
SSW	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.5
SW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	4.9
WSW	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	5.3
W	.0	.4	.2	1.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0	6.7
WNW	.1	.6	.3	2.4	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	3.5	8.1
NW	.0	.2	.3	3.1	.1	.6	.1	.5	.0	.3	.0	.0	.0	.0	.5	4.7	10.7
NNW	.0	.1	.1	1.1	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.2	2.1	11.4
CALM	.5	4.5													.5	4.5	
TOTAL	.9	8.0	7.2	63.9	2.3	20.1	.7	6.4	.2	1.4	.0	.1	.0	.1	11.2	100	9.9

DRT DEL RIO, TX

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 2 / NIGHT

STATION NUMBER: 22010

NO. OBS.: 1874

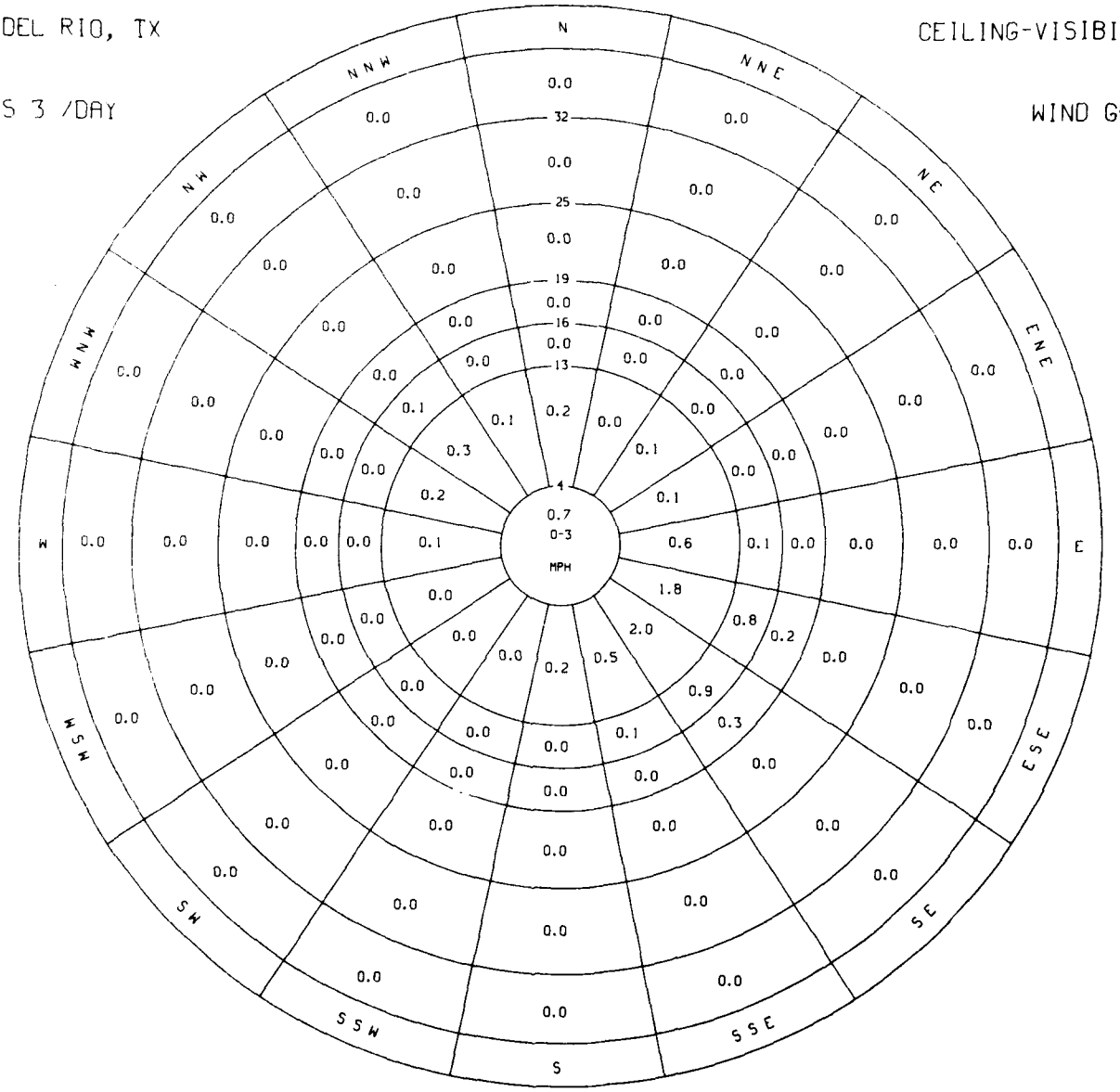
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.2	2.1	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.1	8.4
NNE	.0	.1	.1	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.7	7.1
NE	.1	.6	.1	1.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.2	7.4
ENE	.0	.4	.2	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.2	6.2
E	.1	.5	.8	8.8	.1	1.1	.0	.2	.0	.1	.0	.0	.0	.0	1.0	10.7	8.9
ESE	.0	.3	1.8	18.4	.6	6.7	.2	1.9	.0	.3	.0	.0	.0	.0	2.6	27.5	10.6
SE	.0	.5	1.6	17.1	.7	7.5	.3	3.0	.0	.2	.0	.0	.0	.1	2.7	28.3	11.3
SSE	.0	.2	.3	3.4	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.4	4.1	9.0
S	.0	.5	.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.7	5.5
SSW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	3.0
SW	.0	.2	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	6.0
WSW	.0	.1	.1	.7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.8	6.8
W	.0	.2	.1	1.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2	1.7	7.7
WNW	.0	.0	.3	2.7	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.3	3.3	9.7
NW	.0	.2	.2	2.6	.1	.6	.0	.3	.0	.2	.0	.0	.0	.1	.4	3.9	10.0
NNW	.0	.2	.2	2.1	.0	.2	.0	.3	.0	.2	.0	.1	.0	.1	.3	3.0	10.1
CALM	.6	5.8													.6	5.8	
TOTAL	1.0	10.1	6.2	64.7	1.6	17.0	.6	6.5	.1	1.4	.0	.2	.0	.2	9.6	100	9.4

DRT DEL RIO, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 3 / DAY

STATION NUMBER: 22010

NO. OBS.: 2399

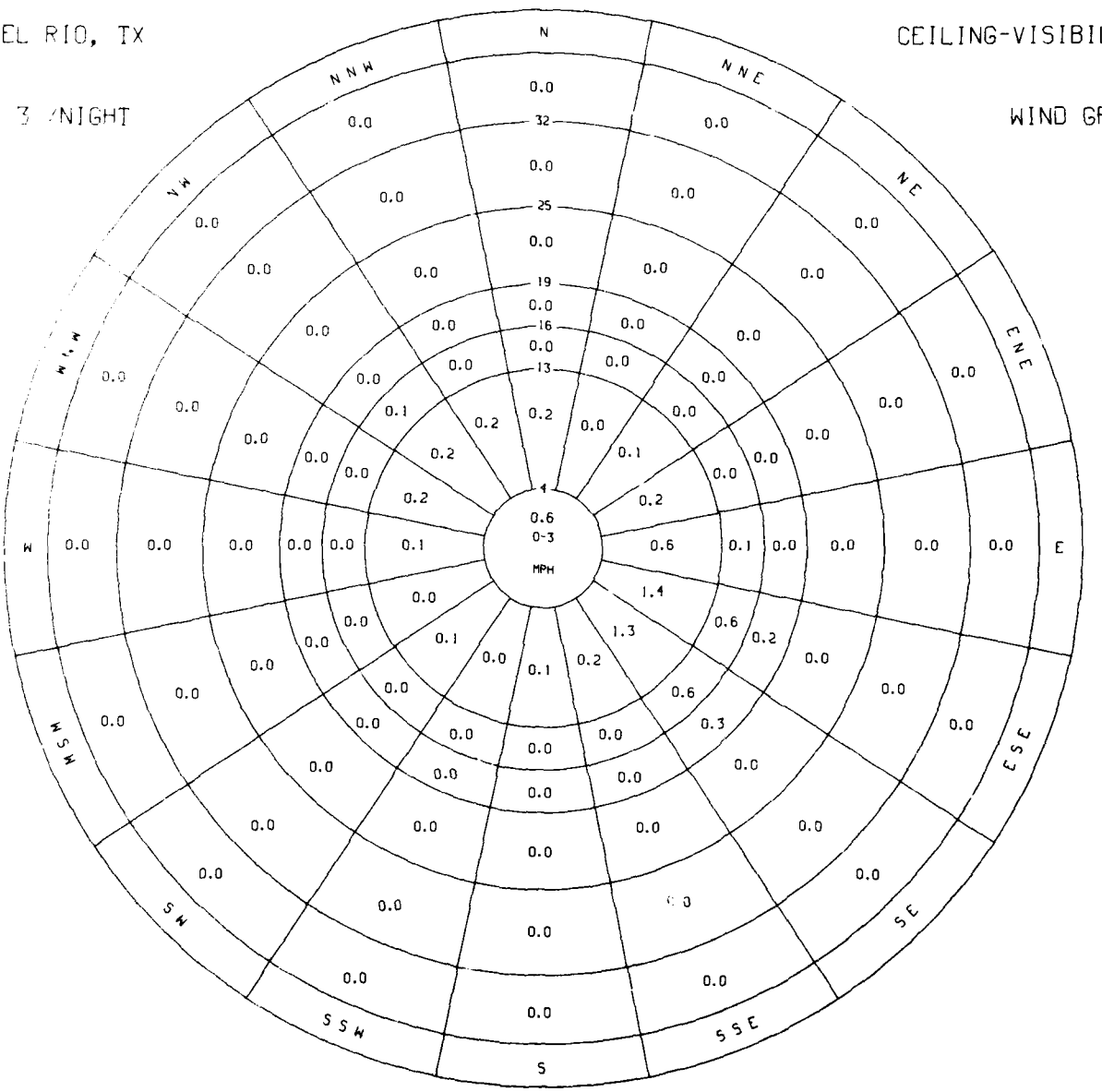
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.2	1.6	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.2	2.1	8.4
NNE	.0	.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	10.5
NE	.0	.0	.1	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.3	8.2
ENE	.0	.1	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.6
E	.0	.3	.6	6.3	.1	1.0	.0	.4	.0	.0	.0	.0	.0	.0	.8	8.0	9.5
ESE	.0	.1	1.8	17.8	.8	8.3	.2	1.9	.0	.2	.0	.0	.0	.0	2.8	28.3	11.2
SE	.0	.1	2.0	20.2	.9	9.0	.3	3.2	.0	.4	.0	.0	.0	.0	3.3	32.9	11.5
SSE	.0	.1	.5	5.2	.1	.9	.0	.3	.0	.0	.0	.0	.0	.0	.7	6.6	9.8
S	.0	.3	.2	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.8	6.6
SSW	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.5
SW	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	5.0
WSW	.0	.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	5.9
W	.0	.3	.1	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.5	6.8
WNW	.0	.5	.2	2.0	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.3	3.2	8.5
NW	.0	.1	.3	2.8	.1	.7	.0	.5	.0	.3	.0	.0	.0	.0	.4	4.5	11.3
NNW	.0	.1	.1	1.1	.0	.4	.0	.3	.0	.2	.0	.0	.0	.0	.2	2.1	11.2
CALM	.4	3.8													.4	3.8	
TOTAL	.7	6.6	6.3	63.6	2.1	21.4	.7	6.9	.1	1.4	.0	.1	.0	.0	9.9	100	10.1

DRT DEL RIO, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



610

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 3 / NIGHT

STATION NUMBER: 22010

NO. OBS.: 1480

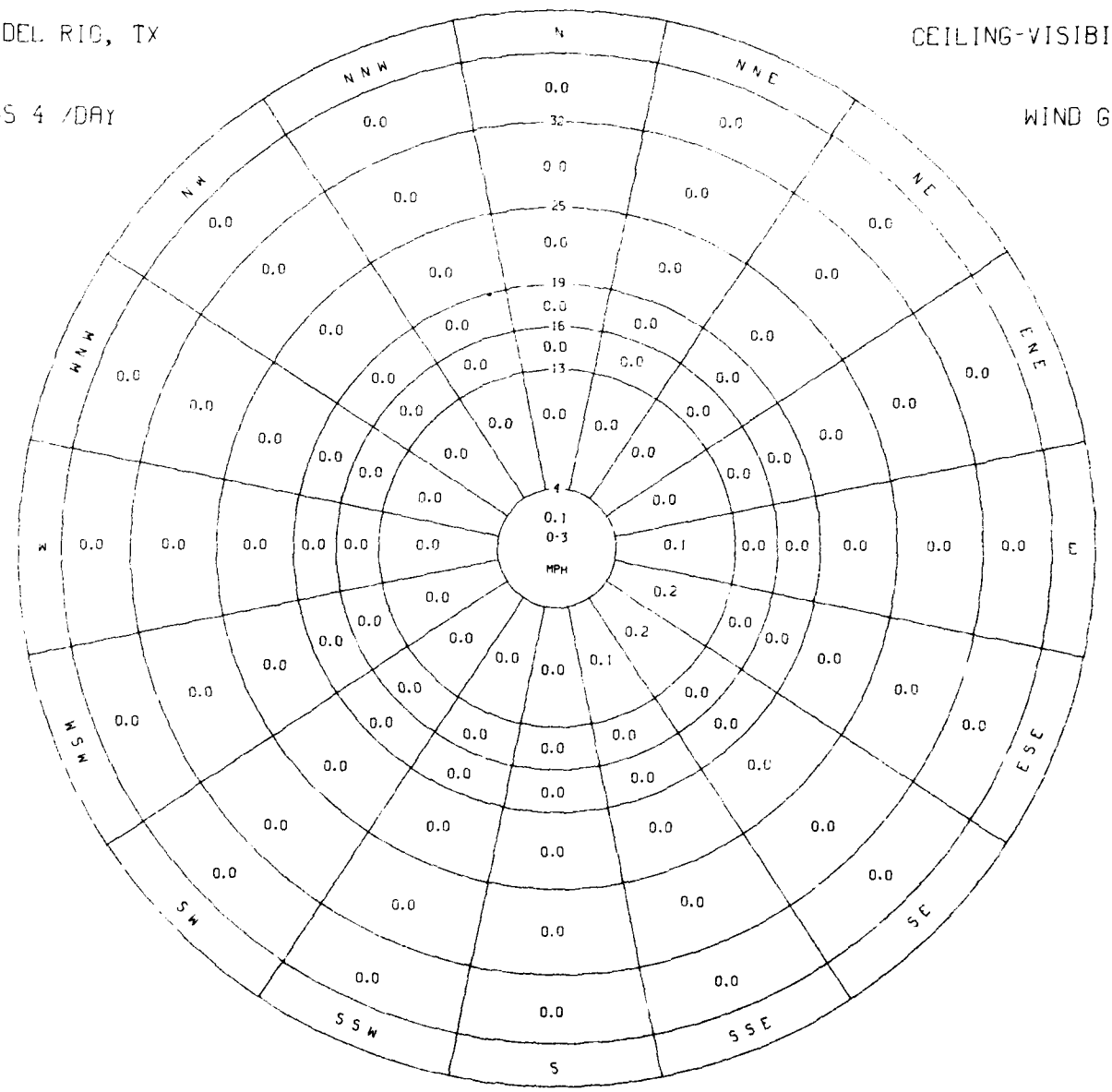
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.2	2.4	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.5	8.8
NNE	.0	.0	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	8.8
NE	.0	.6	.1	1.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.2	7.8
ENE	.0	.3	.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.4	6.6
E	.0	.5	.6	8.4	.1	1.2	.0	.3	.0	.1	.0	.0	.0	.0	.8	10.5	9.3
ESE	.0	.1	1.4	18.1	.6	7.6	.2	2.3	.0	.3	.0	.0	.0	.0	2.2	28.5	10.9
SE	.0	.3	1.3	17.3	.6	8.0	.3	3.6	.0	.3	.0	.0	.0	.1	2.2	29.5	11.6
SSE	.0	.1	.2	3.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.3	3.8	9.3
S	.0	.6	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.7	5.2
SSW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.0
SW	.0	.1	.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	6.3
WSW	.0	.0	.0	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	8.0
W	.0	.2	.1	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	1.1	8.3
WNW	.0	.0	.2	2.4	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.2	3.0	9.6
NW	.0	.1	.2	2.4	.1	.7	.0	.3	.0	.2	.0	.0	.0	.0	.3	3.8	10.4
NNW	.0	.1	.2	2.3	.0	.3	.0	.3	.0	.1	.0	.1	.0	.0	.2	3.2	9.7
CALM	.4	4.7													.4	4.7	
TOTAL	.6	8.2	4.8	63.2	1.4	18.9	.6	7.8	.1	1.7	.0	.1	.0	.1	7.5	100	9.8

DRT DEL RIO, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



612

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-19

CLASS 4 / DAY

STATION NUMBER: 22010

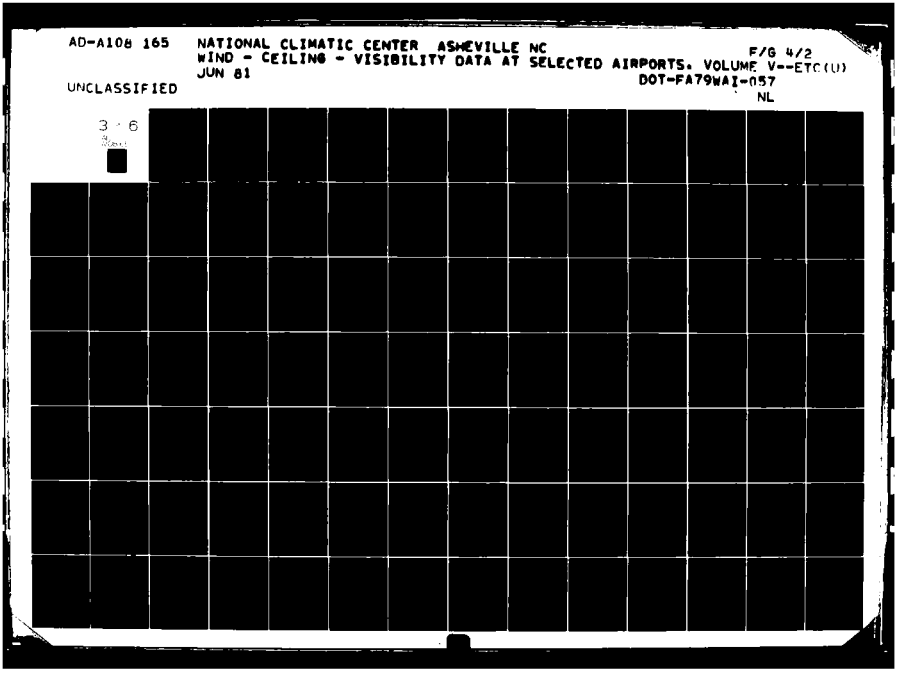
NO. OBS.: 2

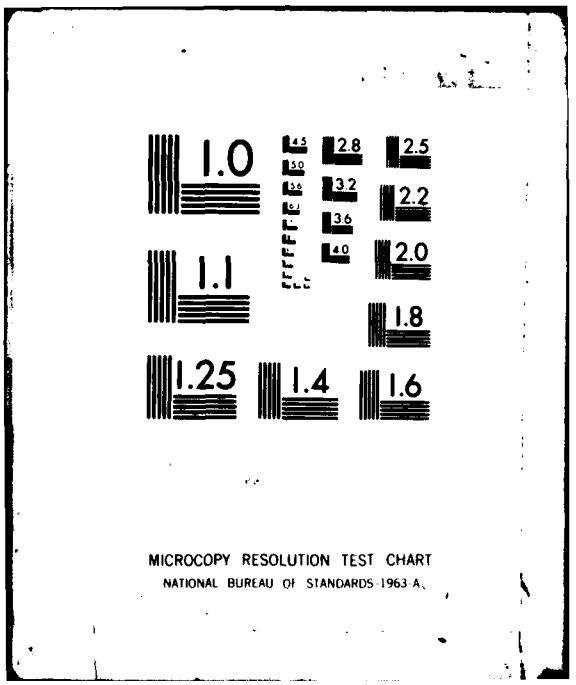
D I R	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.5	21.0
N N E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
N E	.0	.5	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.4	11.7
E N E	.0	.0	.0	.5	.0	.5	.0	.0	.0	.5	.0	.0	.0	.5	.0	1.9	21.2
E	.0	.0	.1	6.9	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.1	8.3	8.0
E S E	.0	.3	.2	17.1	.0	5.1	.0	.5	.0	.0	.0	.0	.0	.0	.2	23.6	10.0
S E	.0	.0	.2	2.8	.0	5.1	.0	1.4	.0	.5	.0	.0	.0	.0	.2	27.8	10.2
S S E	.0	.5	.1	6.9	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.1	9.7	8.8
S	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
S S W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S W	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
W S W	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.1
W	.0	1.9	.0	1.4	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	4.2	7.5
W N W	.0	.9	.0	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	7.9
N W	.0	.5	.0	4.6	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.1	6.0	8.6
N N W	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.7
C A L M	.1	6.0													.1	6.0	
T O T A L	.1	11.6	.6	67.1	.1	14.4	.0	4.6	.0	1.9	.0	.0	.0	.5	.9	100	8.9

AD-A108 165 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL

3 · 6



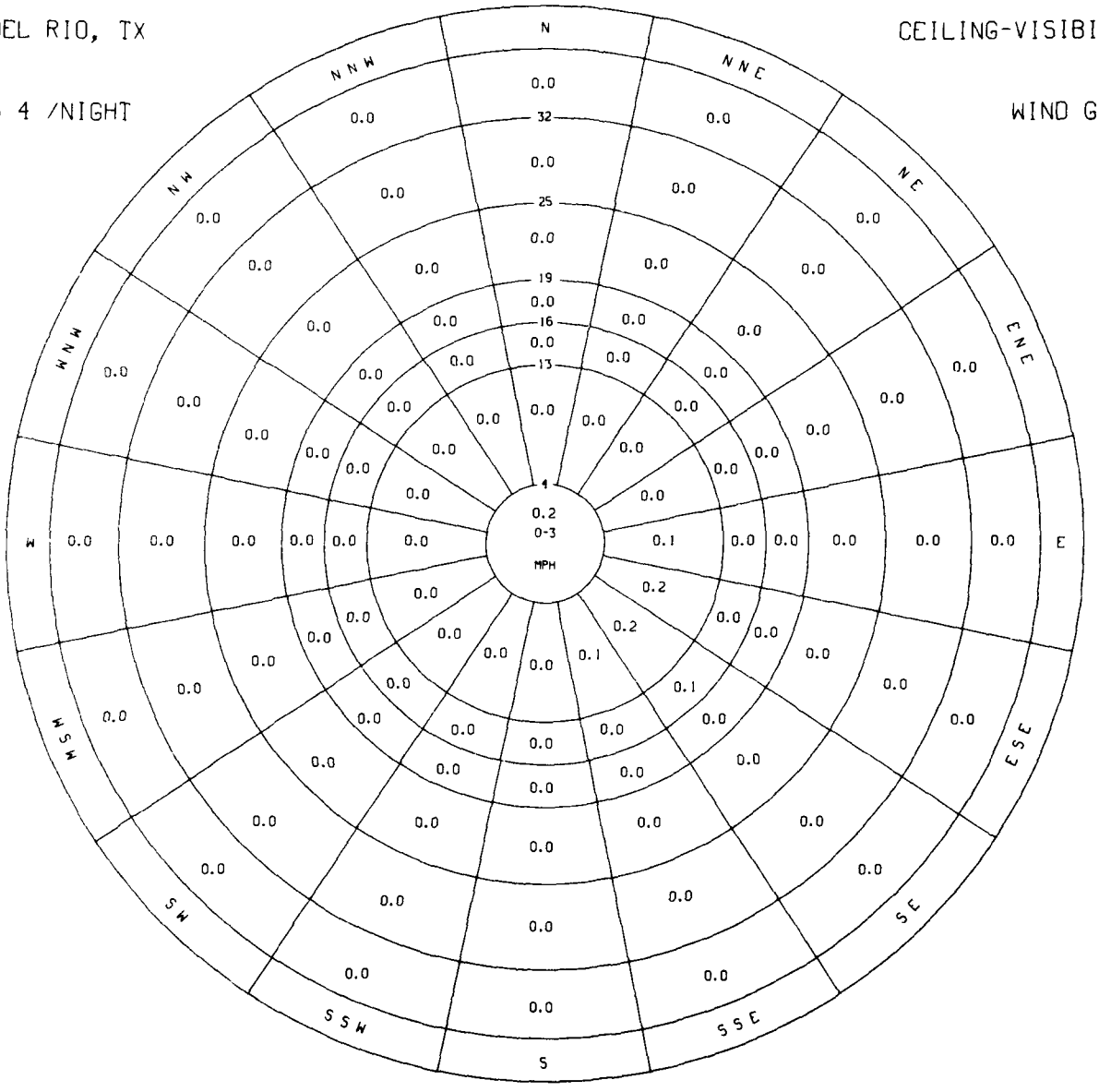

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

DRT DEL RIO, TX

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-197

CLASS 4 / NIGHT

STATION NUMBER: 22010

NO. OBS.: 22

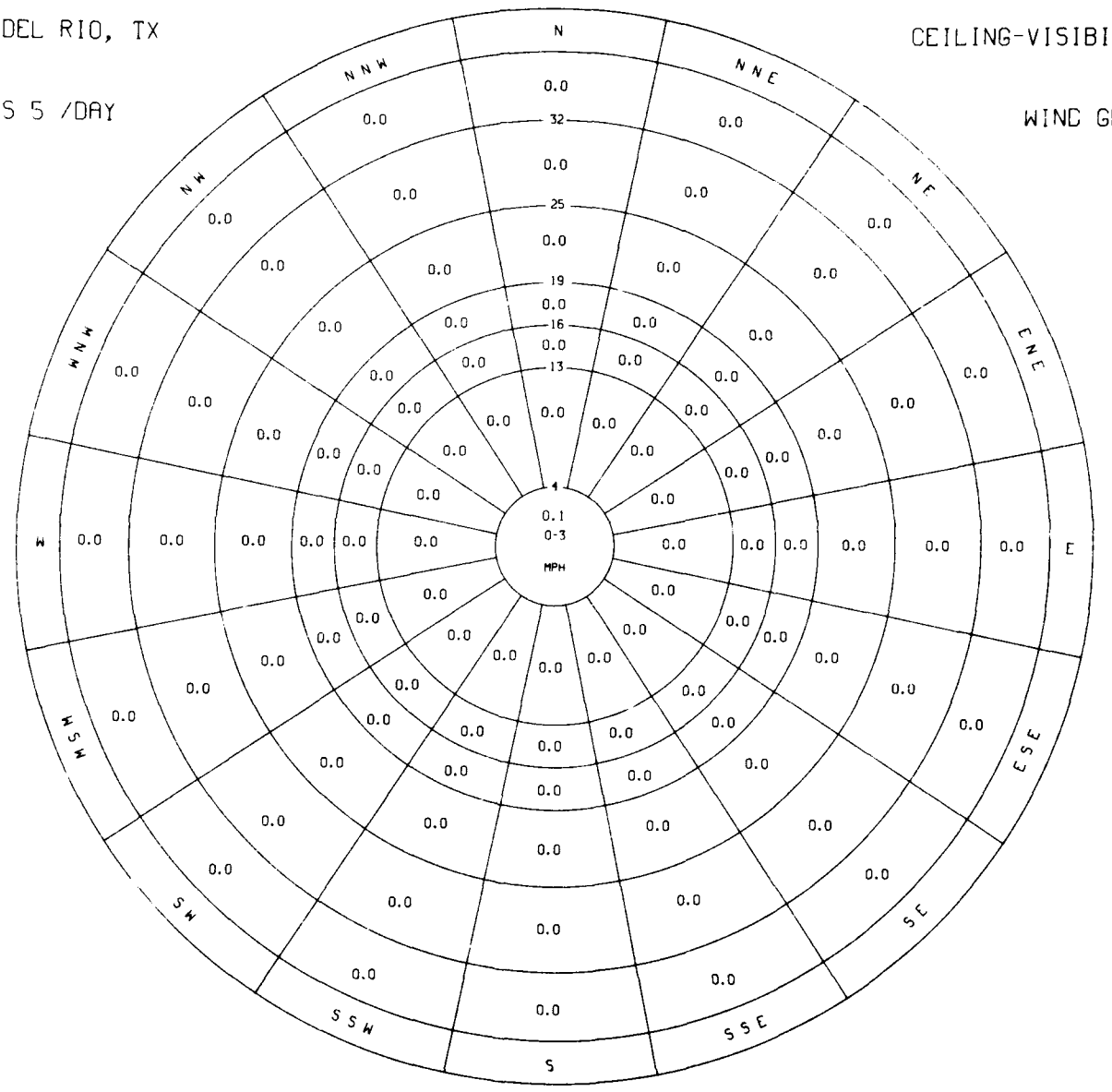
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5
NNE	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.7
NE	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.0
ENE	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	3.7
E	.0	.4	.1	11.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.2	7.8
ESE	.0	1.3	.2	18.8	.0	3.9	.0	.4	.0	.0	.0	.0	.0	.0	.3	24.5	9.1
SE	.0	1.7	.2	17.9	.1	7.4	.0	1.3	.0	.0	.0	.0	.0	.0	.3	28.4	10.1
SSE	.0	.4	.1	4.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	5.7	8.6
S	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.7
SSW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
SW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
WSW	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5
W	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	8.0
WNW	.0	.0	.0	2.6	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	3.5	11.5
NW	.0	.4	.0	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	3.5	9.9
NNW	.0	.4	.0	1.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	3.1	12.7
CALM	.1	7.4													.1	7.4	
TOTAL	.2	15.7	.8	67.7	.1	12.2	.0	2.6	.0	.4	.0	.4	.0	.9	1.2	100	8.3

DRT DEL RIO, TX

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 5 / DAY

STATION NUMBER: 22010

NO. OBS.: 55

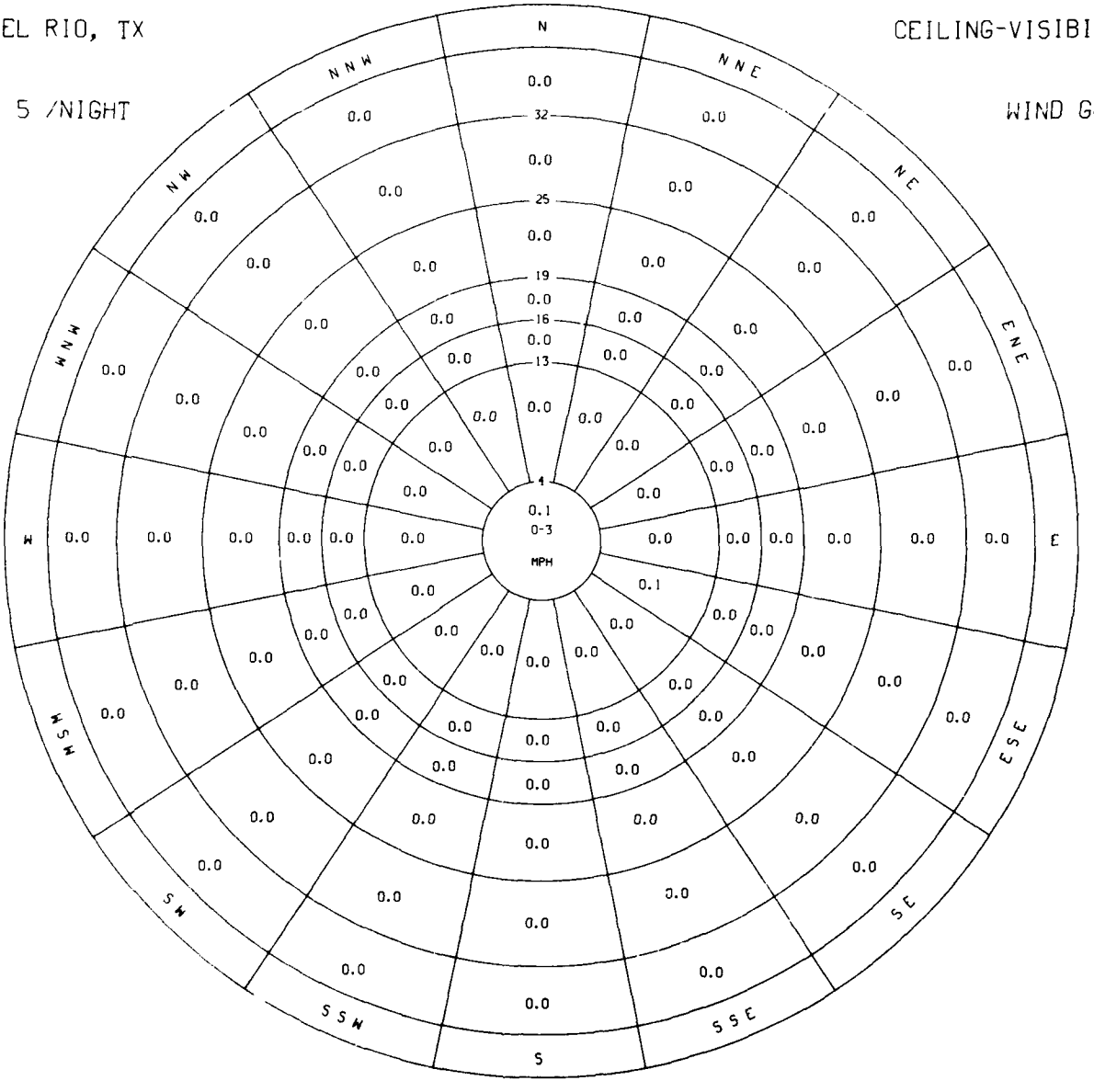
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
N N E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
N E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E N E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.3
E S E	.0	3.6	.0	12.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.4	6.4
S E	.0	.0	.0	20.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.8	9.3
S S E	.0	3.6	.0	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	5.3
S	.0	1.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	5.0
S S W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S W	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.0
W S W	.0	1.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	4.3
W	.0	1.8	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	5.0
W N W	.0	.0	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	6.0
N W	.0	3.6	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.3	6.5
N N W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
C A L M	.0	10.9													.0	10.9	
T O T A L	.1	30.9	.2	67.3	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.2	100	5.8

DRT DEL RIO, TX

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 5 / NIGHT

STATION NUMBER: 22010

NO. OBS.: 68

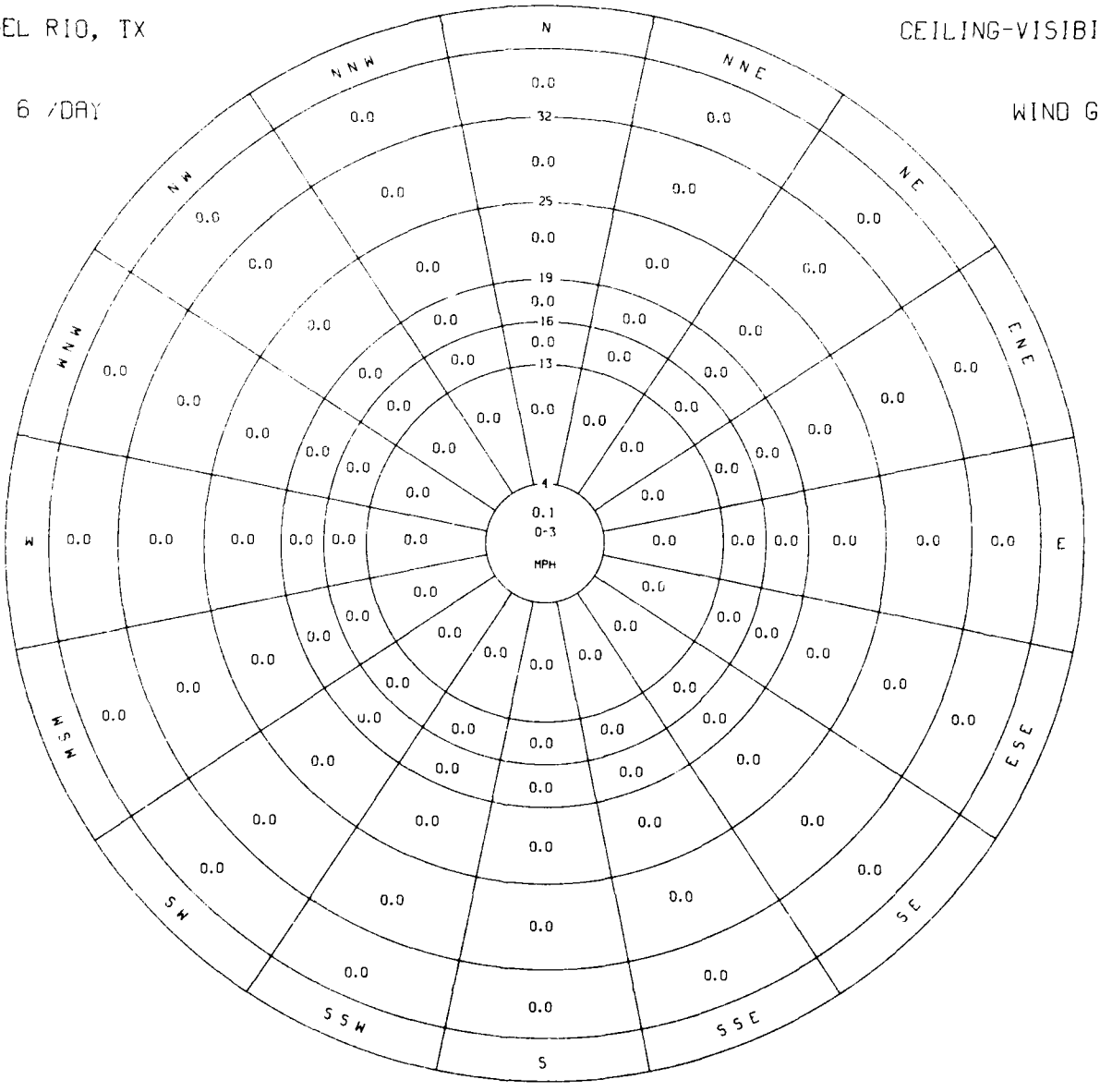
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
NNE	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.5
E	.0	1.5	.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	6.5
ESE	.0	1.5	.1	22.1	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	27.9	9.0
SE	.0	.0	.0	13.2	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	17.6	9.9
SSE	.0	.0	.0	8.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8	7.2
S	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	6.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.0
W	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	10.5
WNW	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	11.0
NW	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	8.5
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	11.8													.0	11.8	
TOTAL	.1	16.2	.3	75.0	.0	8.8	.0	.0	.0	.0	.0	.0	.0	.0	.3	100	7.3

DRT DEL RIO, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 6 / DAY

STATION NUMBER: 22010

NO. OBS.: 51

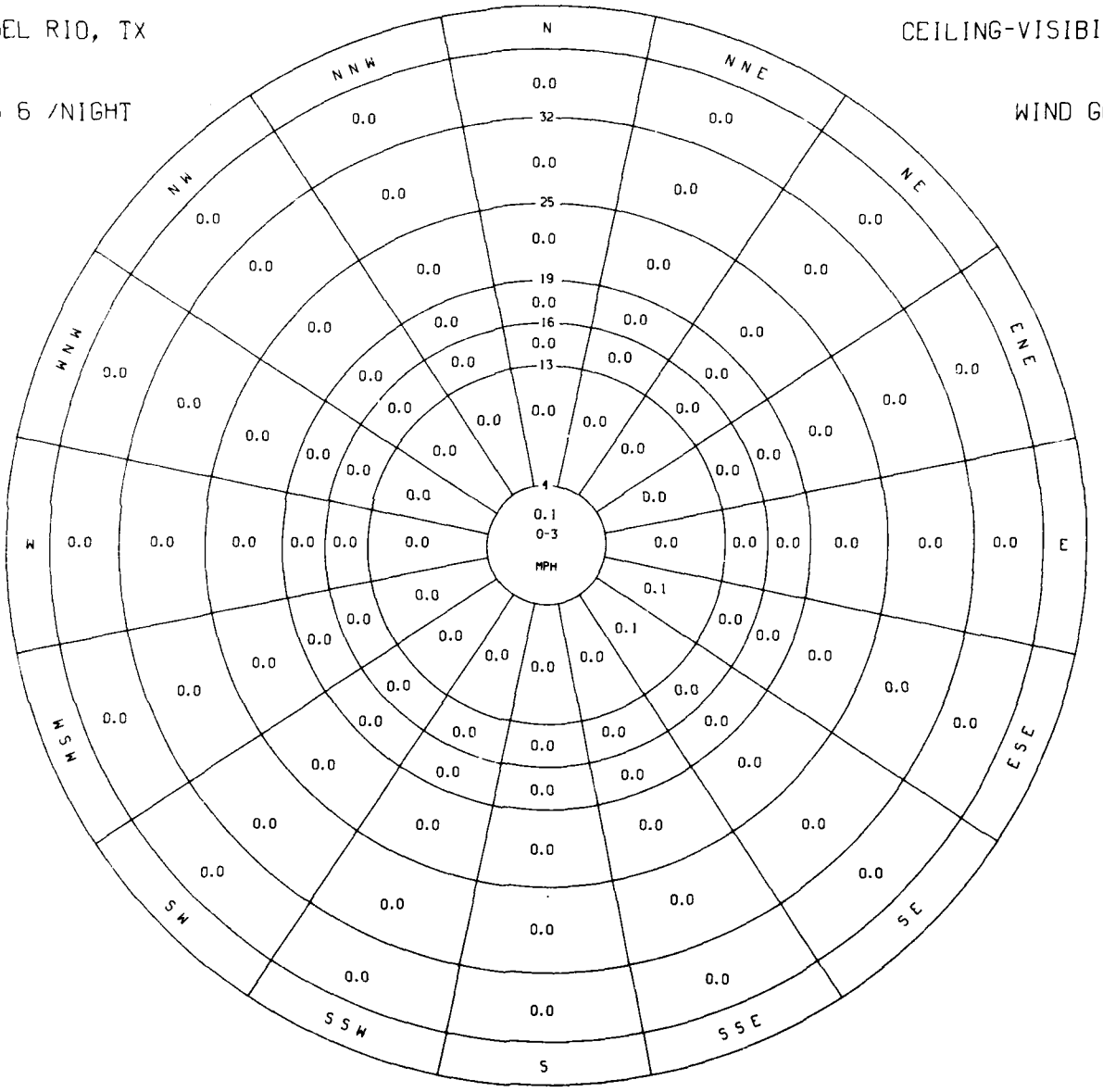
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	29.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	2.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	6.3
ESE	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	6.3
SE	.0	2.0	.0	7.8	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	8.5
SSE	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.0
S	.0	2.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	4.3
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.0
WSW	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
W	.0	.0	.0	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	5.4
WNW	.0	2.0	.0	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.8	5.5
NW	.0	.0	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	6.3
NNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	3.9	24.0
CALM	.1	25.5													.1	25.5	
TOTAL	.1	35.3	.1	58.8	.0	2.0	.0	.0	.0	.0	.0	2.0	.0	2.0	.2	100	5.7

DRT DEL RIO, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: DRT DEL RIO, TX

PERIOD: 1964-1978

CLASS 6 / NIGHT

STATION NUMBER: 22010

NO. OBS.: 97

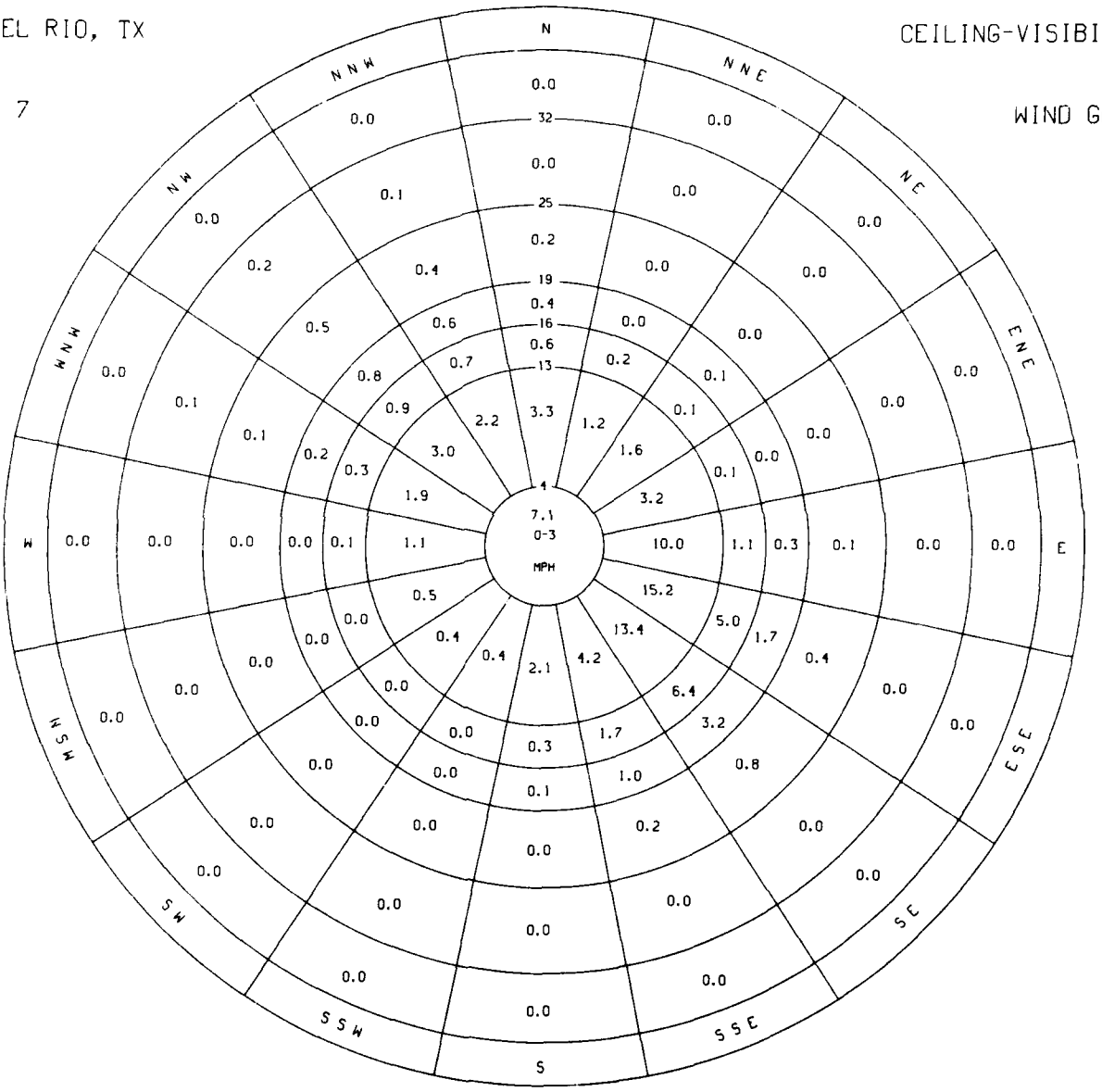
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	2.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	5.4
ENE	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
E	.0	1.0	.0	8.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.3	7.8
ESE	.0	.0	.1	18.6	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	19.6	8.4
SE	.0	1.0	.1	14.4	.0	2.1	.0	1.0	.0	.0	.0	.0	.0	.0	.1	18.6	9.3
SSE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.5
S	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.0
WSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.5
W	.0	.0	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	5.5
WNW	.0	.0	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	7.9
NW	.0	1.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	6.4
NNW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	7.0
CALM	.1	15.5													.1	15.5	
TOTAL	.1	20.6	.4	74.2	.0	4.1	.0	1.0	.0	.0	.0	.0	.0	.0	.5	100	6.4

DRT DEL RIO, TX

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

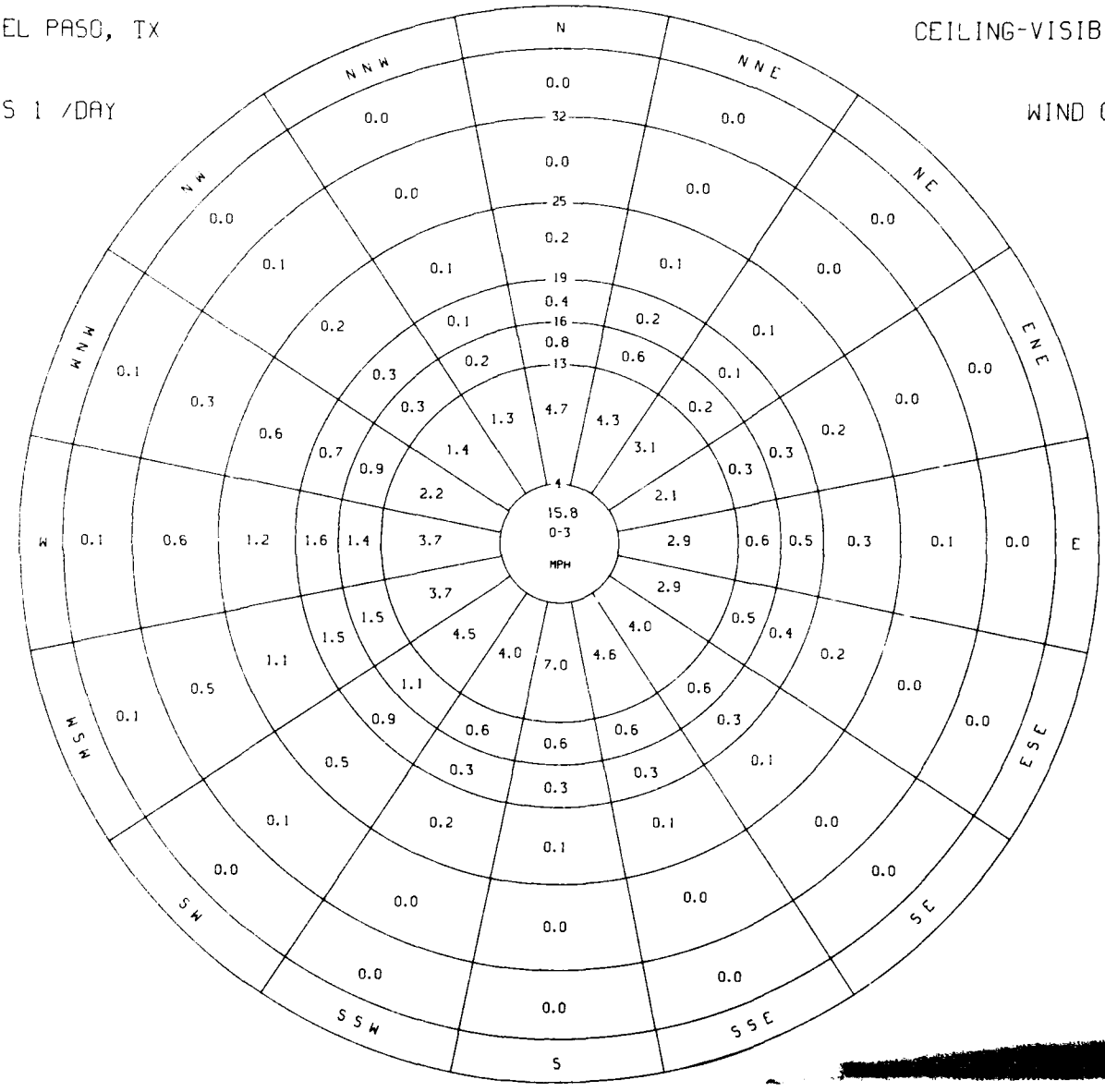


ELP EL PASO, TX

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 23044

NO. OBS.: 46016

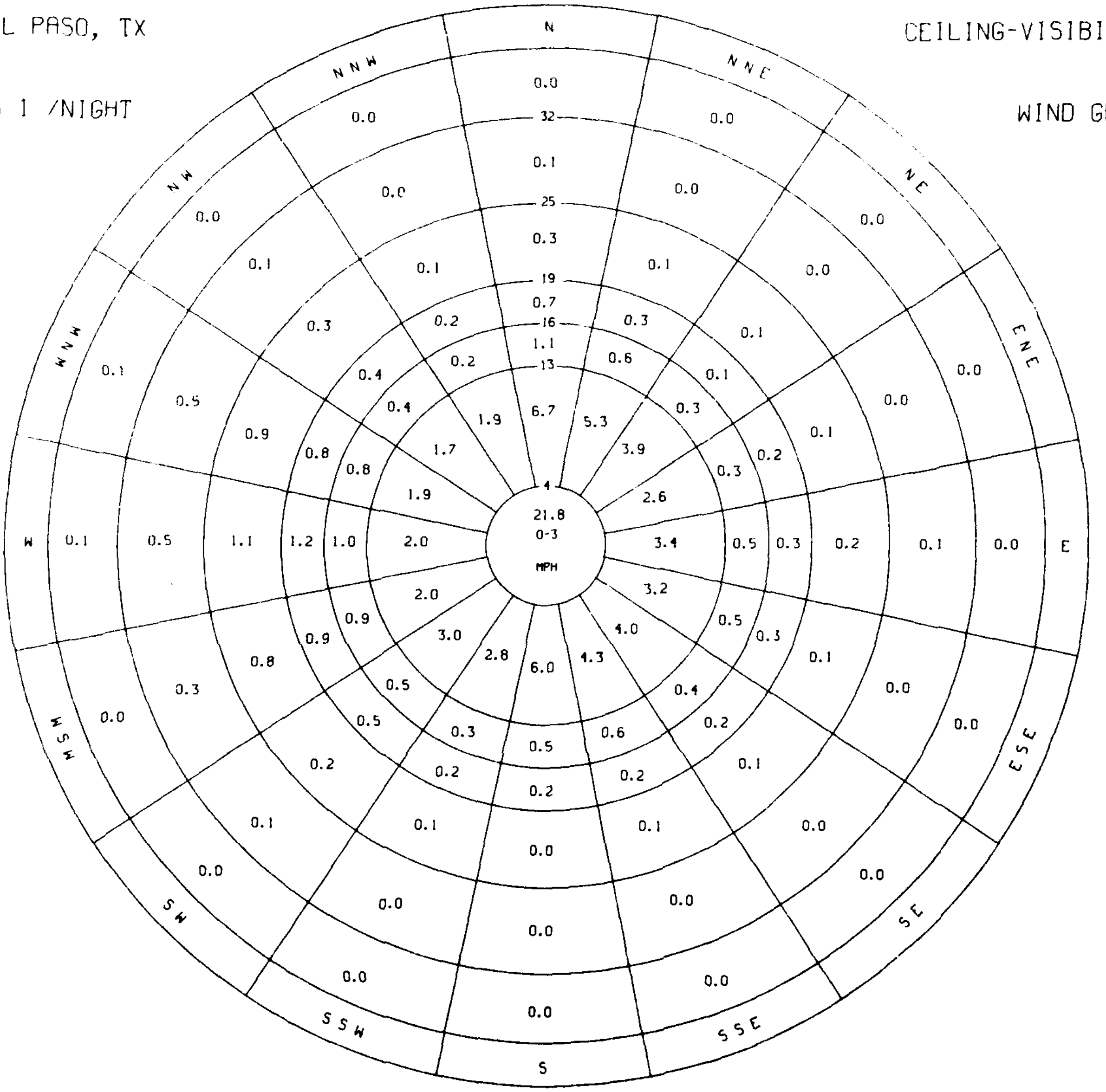
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.1	1.1	4.7	4.7	.8	.8	.4	.4	.2	.2	.0	.0	.0	.0	7.2	7.2	8.9
NNE	.9	.9	4.3	4.3	.6	.6	.2	.2	.1	.1	.0	.0	.0	.0	6.1	6.2	8.3
NE	1.0	1.0	3.1	3.1	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	4.6	4.6	7.3
ENE	.7	.7	2.1	2.1	.3	.3	.3	.3	.2	.2	.0	.0	.0	.0	3.5	3.6	8.8
E	.9	.9	2.9	3.0	.6	.6	.5	.5	.3	.3	.1	.1	.0	.0	5.4	5.5	9.7
ESE	.7	.7	2.9	2.9	.5	.6	.4	.4	.2	.2	.0	.0	.0	.0	4.8	4.8	9.4
SE	.9	1.0	4.0	4.1	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	6.0	6.1	8.5
SSE	.7	.7	4.6	4.7	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	6.4	6.4	8.7
S	1.1	1.1	7.0	7.1	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	9.1	9.2	8.2
SSW	.7	.7	4.0	4.1	.6	.6	.3	.3	.2	.2	.0	.0	.0	.0	5.8	5.9	9.1
SW	.7	.7	4.5	4.6	1.1	1.1	.9	.9	.5	.5	.1	.1	.0	.0	7.8	7.9	10.9
WSW	.4	.4	3.7	3.7	1.5	1.5	1.5	1.5	1.1	1.2	.5	.5	.1	.1	8.7	8.9	13.8
W	.4	.4	3.7	3.8	1.4	1.5	1.6	1.6	1.2	1.2	.6	.6	.1	.1	9.2	9.3	14.1
WNW	.3	.3	2.2	2.2	.9	.9	.7	.7	.6	.6	.3	.3	.1	.1	5.0	5.1	13.4
NW	.5	.5	1.4	1.4	.3	.3	.3	.3	.2	.2	.1	.1	.0	.0	2.6	2.7	10.2
NNW	.5	.5	1.3	1.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.1	8.3
CALM	4.3	4.4													4.3	4.4	
TOTAL	15.8	16.0	56.3	57.0	10.7	10.9	8.3	8.4	5.3	5.4	1.9	1.9	.4	.4	98.8	100	9.7

ELP EL PASO, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EL PASO, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 23044

NO. OBS.: 40694

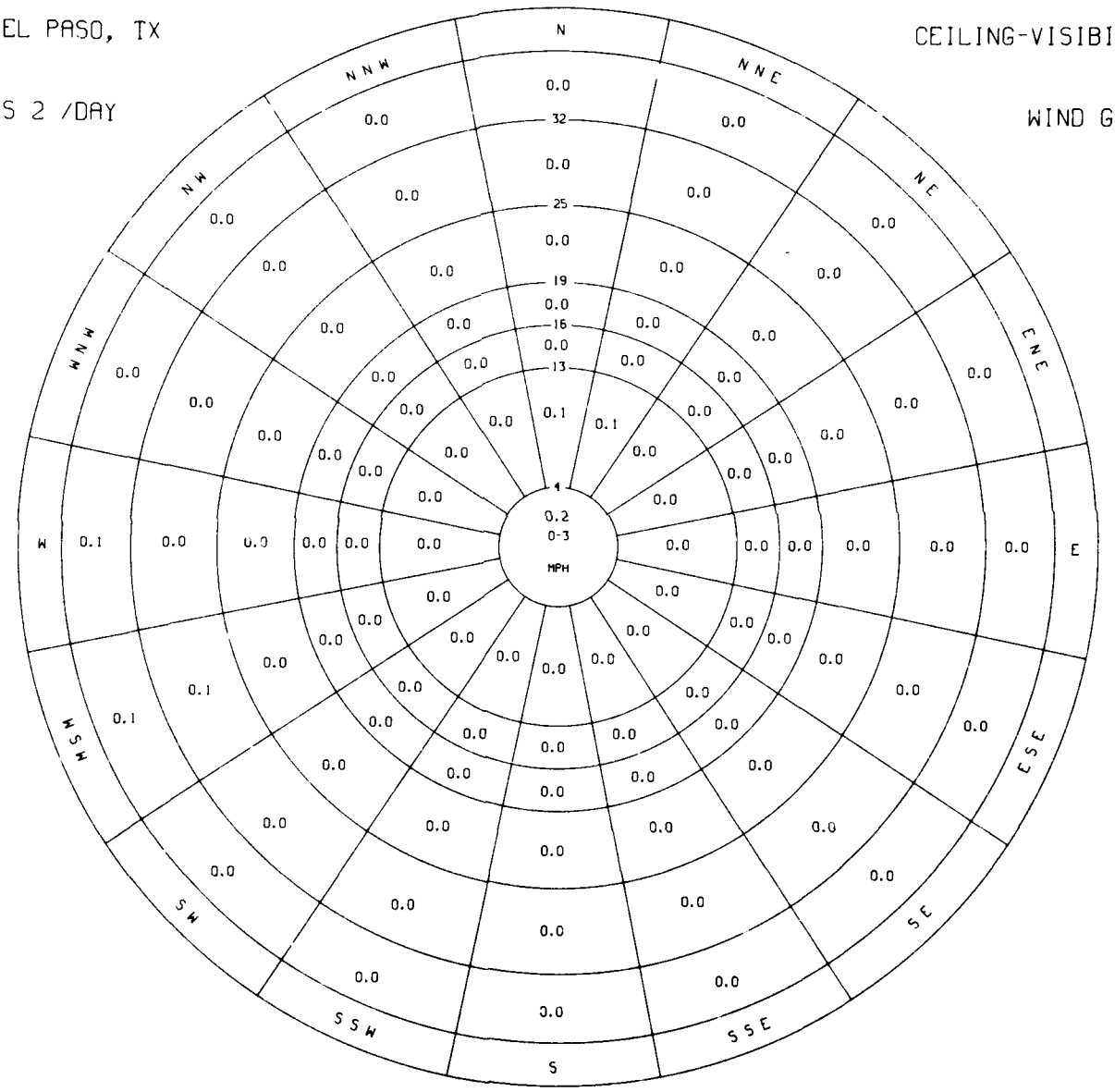
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.7	1.8	6.7	6.8	1.1	1.1	.7	.7	.3	.3	.1	.1	.0	.0	10.6	10.7	8.7
NNE	1.4	1.4	5.3	5.4	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	7.7	7.8	7.7
NE	1.4	1.4	3.9	3.9	.3	.3	.1	.1	.1	.1	.0	.0	.0	.0	5.8	5.9	7.0
ENE	1.0	1.0	2.6	2.6	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	4.2	4.3	7.6
E	1.2	1.2	3.4	3.5	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	5.7	5.7	8.4
ESE	.8	.8	3.2	3.2	.5	.5	.3	.3	.1	.1	.0	.0	.0	.0	4.9	5.0	8.6
SE	1.2	1.2	4.0	4.0	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	5.9	5.9	7.6
SSE	.8	.8	4.3	4.3	.6	.6	.2	.2	.1	.1	.0	.0	.0	.0	6.0	6.0	8.4
S	1.2	1.2	6.0	6.0	.5	.5	.2	.2	.0	.0	.0	.0	.0	.0	7.9	8.0	7.8
SSW	.6	.6	2.8	2.9	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	3.9	4.0	8.2
SW	.7	.7	3.0	3.1	.5	.5	.5	.5	.2	.2	.1	.1	.0	.0	5.1	5.1	9.7
WSW	.4	.4	2.0	2.0	.9	.9	.9	.9	.8	.8	.3	.3	.0	.0	5.3	5.3	13.8
W	.4	.4	2.0	2.1	1.0	1.0	1.2	1.2	1.1	1.2	.5	.5	.1	.1	6.4	6.5	14.9
WNW	.3	.3	1.9	1.9	.8	.8	.8	.8	.9	.9	.5	.6	.1	.1	5.4	5.5	15.1
NW	.6	.6	1.7	1.7	.4	.4	.4	.4	.3	.3	.1	.1	.0	.0	3.5	3.6	10.9
NNW	.6	.6	1.9	1.9	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	3.1	3.2	8.4
CALM	7.5	7.6													7.5	7.6	
TOTAL	21.8	22.0	54.8	55.3	8.8	8.9	6.8	6.9	4.7	4.7	1.8	1.9	.4	.4	99.1	100	8.8

ELP EL PASO, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 23044

NO. OBS.: 563

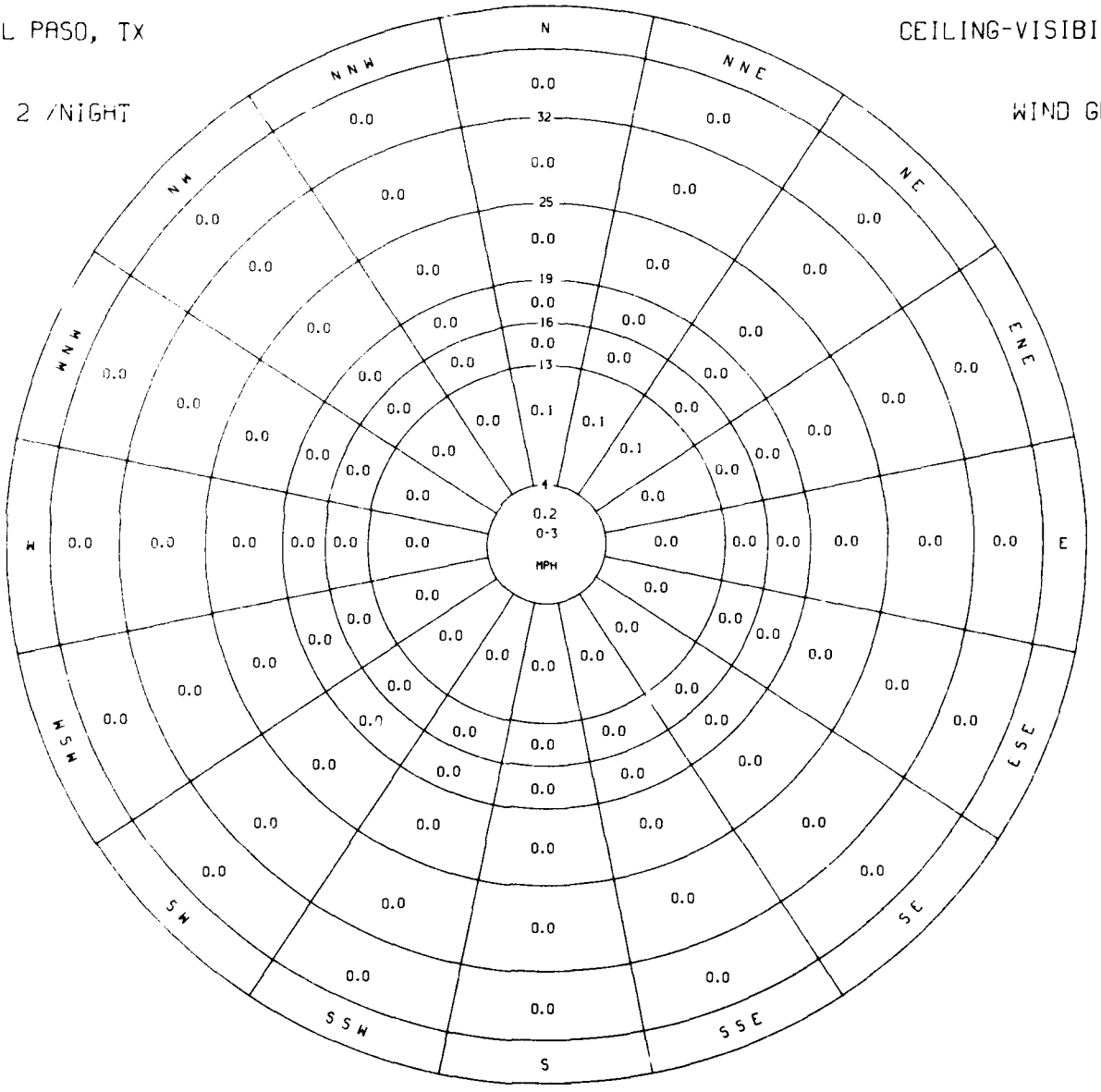
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.4	.1	6.0	.0	1.4	.0	.5	.0	.4	.0	.4	.0	.2	.1	10.3	10.7
NNE	.0	.9	.1	5.7	.0	.4	.0	.5	.0	.4	.0	.7	.0	.2	.1	8.7	10.5
NE	.0	.9	.0	3.6	.0	.7	.0	.5	.0	.0	.0	.5	.0	.4	.1	6.6	11.0
ENE	.0	.7	.0	1.6	.0	.7	.0	.0	.0	.4	.0	1.1	.0	.0	.1	4.4	14.0
E	.0	.7	.0	2.7	.0	.7	.0	1.4	.0	.2	.0	.4	.0	.2	.1	6.2	12.3
ESE	.0	.5	.0	.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.2	.0	2.0	11.6
SE	.0	.4	.0	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.7
SSE	.0	.5	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	3.4	7.7
S	.0	.5	.0	3.6	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	4.6	8.5
SSW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.5	.0	.4	.0	2.1	16.7
SW	.0	.5	.0	.7	.0	.0	.0	.0	.0	.4	.0	.7	.0	1.1	.0	3.4	23.2
WSW	.0	.2	.0	.7	.0	.4	.0	.2	.0	1.2	.1	4.4	.1	7.3	.2	14.4	30.7
W	.0	.0	.0	.4	.0	.0	.0	.9	.0	2.3	.0	3.6	.1	6.4	.2	13.5	31.0
WNW	.0	.4	.0	.2	.0	.4	.0	.0	.0	1.1	.0	1.4	.0	3.0	.1	6.4	28.7
NW	.0	.2	.0	.9	.0	.2	.0	.0	.0	.2	.0	.5	.0	.4	.0	2.3	18.7
NNW	.0	.5	.0	.9	.0	.9	.0	.2	.0	.2	.0	.0	.0	.5	.0	3.2	13.9
CALM	.1	6.4													.1	6.4	
TOTAL	.2	14.7	.4	33.2	.1	6.0	.1	4.4	.1	7.1	.2	14.4	.2	20.1	1.2	100	17.6

ELP EL PASO, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 23044

NO. OBS.: 365

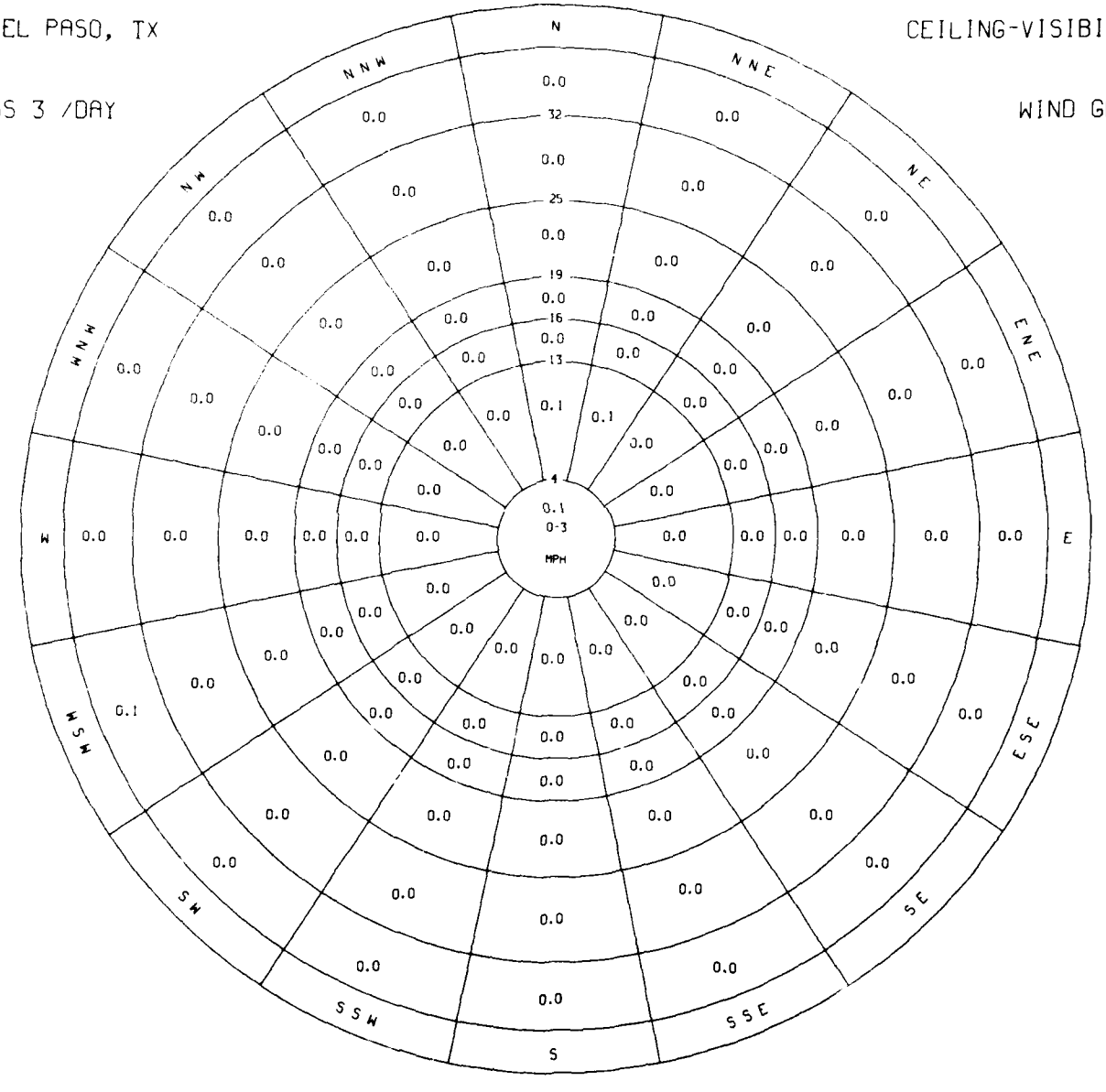
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.5	.1	14.0	.0	1.1	.0	1.6	.0	1.1	.0	.8	.0	.5	.2	21.6	10.7
NNE	.0	2.2	.1	9.6	.0	.8	.0	.5	.0	.5	.0	.5	.0	.3	.1	14.5	9.6
NE	.0	1.1	.1	6.8	.0	.8	.0	.5	.0	.3	.0	.3	.0	.3	.1	10.1	10.1
ENE	.0	.5	.0	4.1	.0	1.1	.0	.3	.0	.8	.0	.5	.0	.3	.1	7.7	13.0
E	.0	1.1	.0	2.5	.0	.8	.0	.0	.0	.5	.0	.0	.0	.0	.0	4.9	8.3
ESE	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3	.0	2.2	10.1
SE	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	1.6	10.2
SSE	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	7.1
S	.0	1.4	.0	4.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	7.3
SSW	.0	.0	.0	1.6	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	2.2	11.4
SW	.0	.3	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.7
WSW	.0	.0	.0	.5	.0	.0	.0	.5	.0	.8	.0	.8	.0	.3	.0	3.0	20.8
W	.0	.3	.0	.3	.0	.8	.0	.3	.0	.0	.0	1.4	.0	.8	.0	3.8	23.6
WNW	.0	.3	.0	.3	.0	.3	.0	.0	.0	.3	.0	.5	.0	1.6	.0	3.3	27.5
NW	.0	.0	.0	.5	.0	.3	.0	.3	.0	.3	.0	.5	.0	1.4	.0	3.3	25.3
NNW	.0	.5	.0	2.7	.0	.5	.0	.0	.0	.3	.0	.3	.0	.0	.0	4.4	9.9
CALM	.1	6.6													.1	6.6	
TOTAL	.2	18.6	.5	52.3	.1	7.4	.0	4.4	.0	5.5	.1	5.8	.1	6.0	.9	100	11.3

ELP EL PASO, TX

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 23044

NO. OBS.: 423

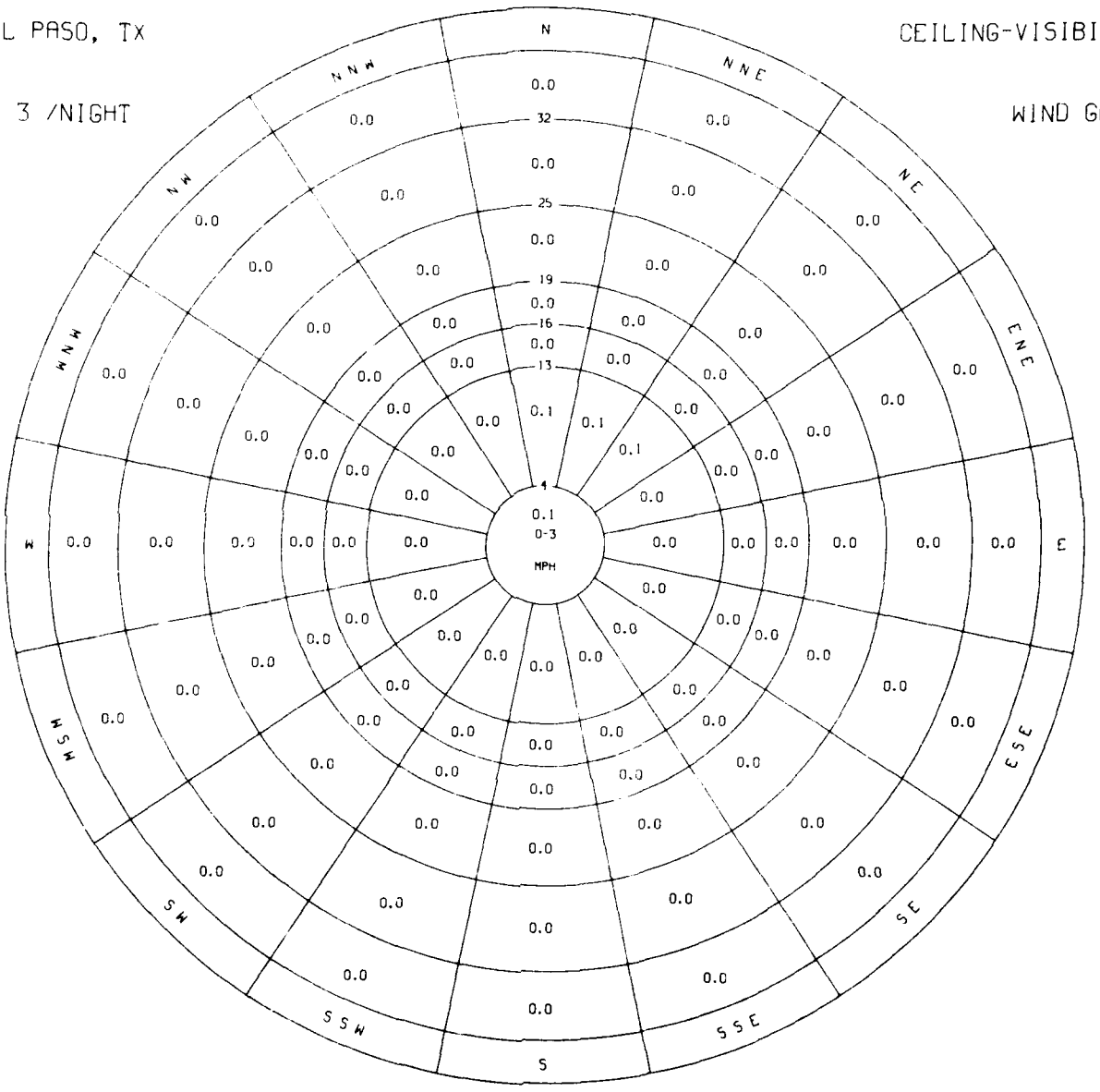
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.1	7.1	.0	1.7	.0	.2	.0	.5	.0	.2	.0	.0	.1	10.2	11.0
NNE	.0	1.2	.1	6.4	.0	.2	.0	.7	.0	.5	.0	.5	.0	.2	.1	9.7	10.2
NE	.0	.5	.0	3.3	.0	.7	.0	.7	.0	.0	.0	.5	.0	.5	.1	6.1	12.1
ENE	.0	.5	.0	1.7	.0	.9	.0	.0	.0	.5	.0	.9	.0	.0	.0	4.5	14.5
E	.0	.5	.0	3.3	.0	.7	.0	1.9	.0	.2	.0	.5	.0	.0	.1	7.1	11.8
ESE	.0	.5	.0	1.2	.0	.0	.0	.0	.0	.5	.0	.0	.0	.2	.0	2.4	12.5
SE	.0	.5	.0	2.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.7
SSE	.0	.5	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	3.8	8.2
S	.0	.5	.0	2.6	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	3.8	9.9
SSW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.5	.0	.2	.0	2.1	14.9
SW	.0	.7	.0	.9	.0	.0	.0	.0	.0	.5	.0	.7	.0	.0	.0	2.8	13.6
WSW	.0	.0	.0	.9	.0	.5	.0	.2	.0	1.2	.0	4.3	.1	6.6	.1	13.7	30.0
W	.0	.0	.0	.5	.0	.0	.0	1.2	.0	2.8	.0	3.8	.0	5.4	.1	13.7	28.8
WNW	.0	.5	.0	.2	.0	.2	.0	.0	.0	1.2	.0	1.7	.0	1.7	.0	5.4	25.3
NW	.0	.0	.0	1.2	.0	.2	.0	.0	.0	.2	.0	.7	.0	.2	.0	2.6	18.4
NNW	.0	.5	.0	.9	.0	.9	.0	.2	.0	.2	.0	.0	.0	.5	.0	3.3	13.5
CALM	.1	5.9													.1	5.9	
TOTAL	.1	12.5	.3	36.9	.1	6.6	.0	5.4	.1	8.5	.1	14.4	.1	15.6	.9	100	16.6

ELP EL PASO, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, Tx

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 23044

NO. OBS.: 258

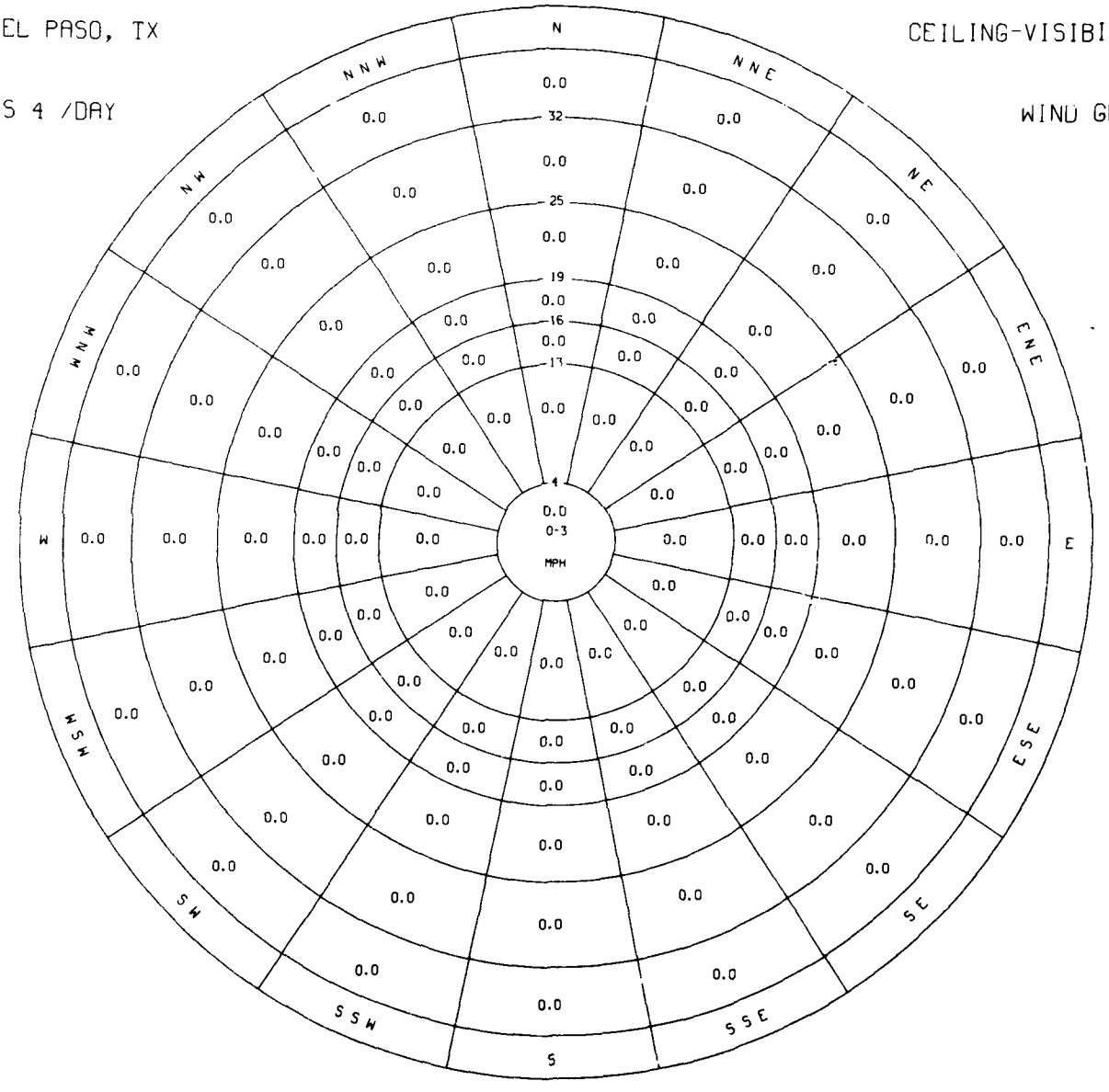
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.6	.1	14.7	.0	1.2	.0	1.6	.0	.8	.0	1.2	.0	.4	.1	21.3	10.8
NNE	.0	1.6	.1	9.7	.0	.8	.0	.8	.0	.8	.0	.8	.0	.0	.1	14.3	10.1
NE	.0	1.2	.1	8.9	.0	1.2	.0	.8	.0	.4	.0	.4	.0	.0	.1	12.8	9.6
ENE	.0	.4	.0	4.3	.0	.8	.0	.0	.0	.8	.0	.8	.0	.4	.0	7.4	13.6
E	.0	1.2	.0	2.7	.0	1.2	.0	.0	.0	.8	.0	.0	.0	.0	.0	5.8	9.1
ESE	.0	.4	.0	1.2	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	2.3	11.7
SE	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	1.2	13.7
SSE	.0	.4	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.0
S	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	7.3
SSW	.0	.0	.0	1.6	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	2.3	12.9
SW	.0	.4	.0	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.7
WSW	.0	.0	.0	.8	.0	.0	.0	.8	.0	1.2	.0	.8	.0	.4	.0	3.9	20.3
W	.0	.4	.0	.4	.0	1.2	.0	.4	.0	.0	.0	1.6	.0	1.2	.0	5.0	23.4
WNW	.0	.4	.0	.0	.0	.4	.0	.0	.0	.4	.0	.8	.0	1.6	.0	3.5	27.2
NW	.0	.0	.0	.8	.0	.4	.0	.4	.0	.4	.0	.8	.0	1.6	.0	4.3	24.0
NNW	.0	.4	.0	1.6	.0	.8	.0	.0	.0	.4	.0	.4	.0	.0	.0	3.5	13.1
CALM	.0	3.5													.0	3.5	
TOTAL	.1	13.2	.3	53.5	.1	8.1	.0	5.0	.0	6.6	.0	7.4	.0	6.2	.6	100	12.2

ELP EL PASO, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 23044

NO. OBS.: 87

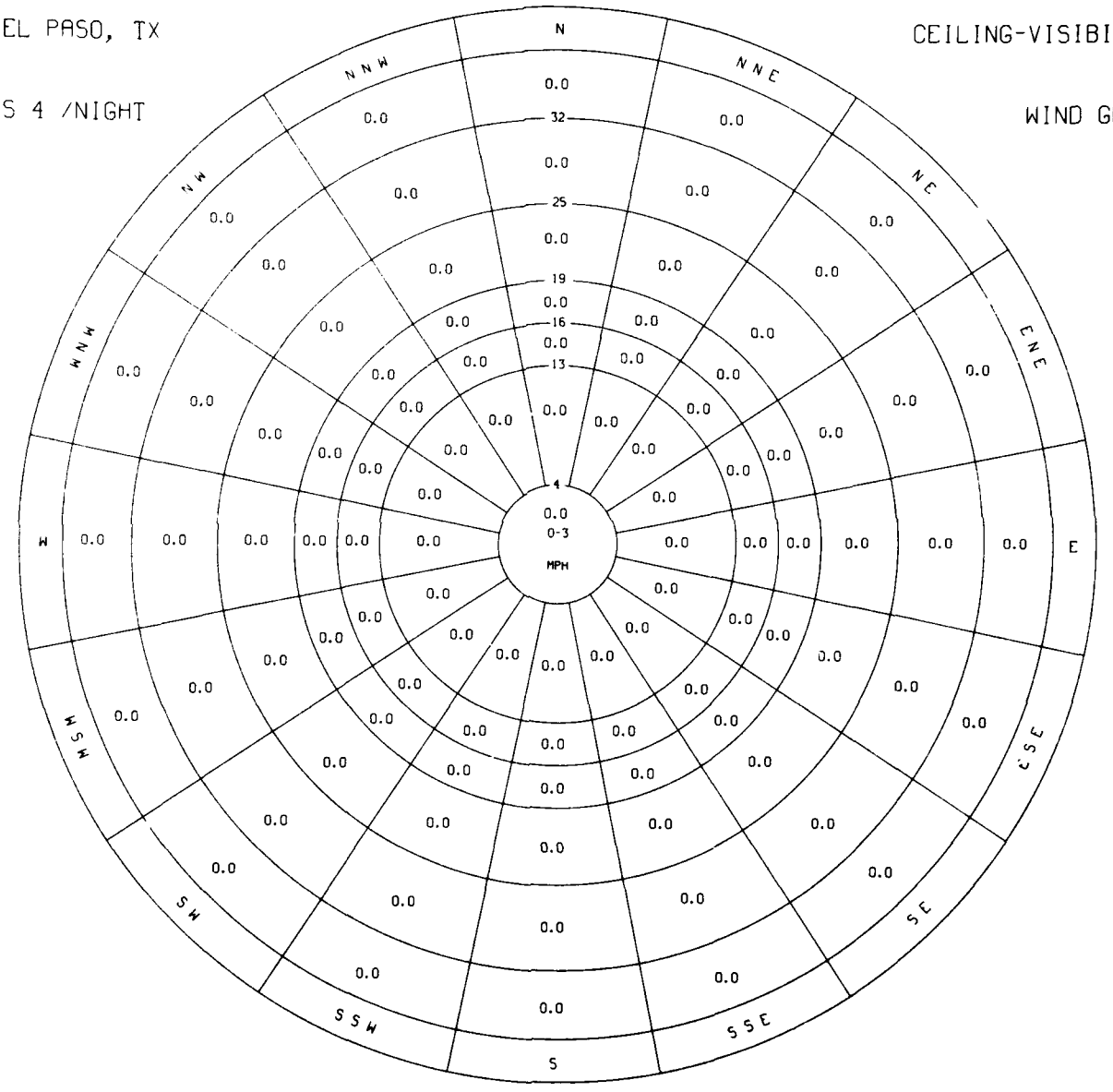
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.1	.0	1.1	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	5.7	15.4
NNE	.0	.0	.0	4.6	.0	1.1	.0	.0	.0	.0	.0	2.3	.0	.0	.0	8.0	13.4
NE	.0	1.1	.0	5.7	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	9.2	10.4
ENE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
E	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.4	23.3
ESE	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	2.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.0
SSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	3.4	22.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	.0	6.9	41.2
WSW	.0	1.1	.0	.0	.0	.0	.0	.0	.0	2.3	.0	6.9	.0	12.6	.0	23.0	31.7
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.4	.0	8.0	.0	12.6	34.0
WNW	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	9.2	.0	11.5	34.8
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	38.0
NNW	.0	1.1	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	.0	4.6	15.2
CALM	.0	4.6													.0	4.6	
TOTAL	.0	11.5	.0	18.4	.0	6.9	.0	1.1	.0	4.6	.0	14.9	.1	42.5	.2	100	24.4

ELP EL PASO, TX

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: EL PASO, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 23044

NO. OBS.: 56

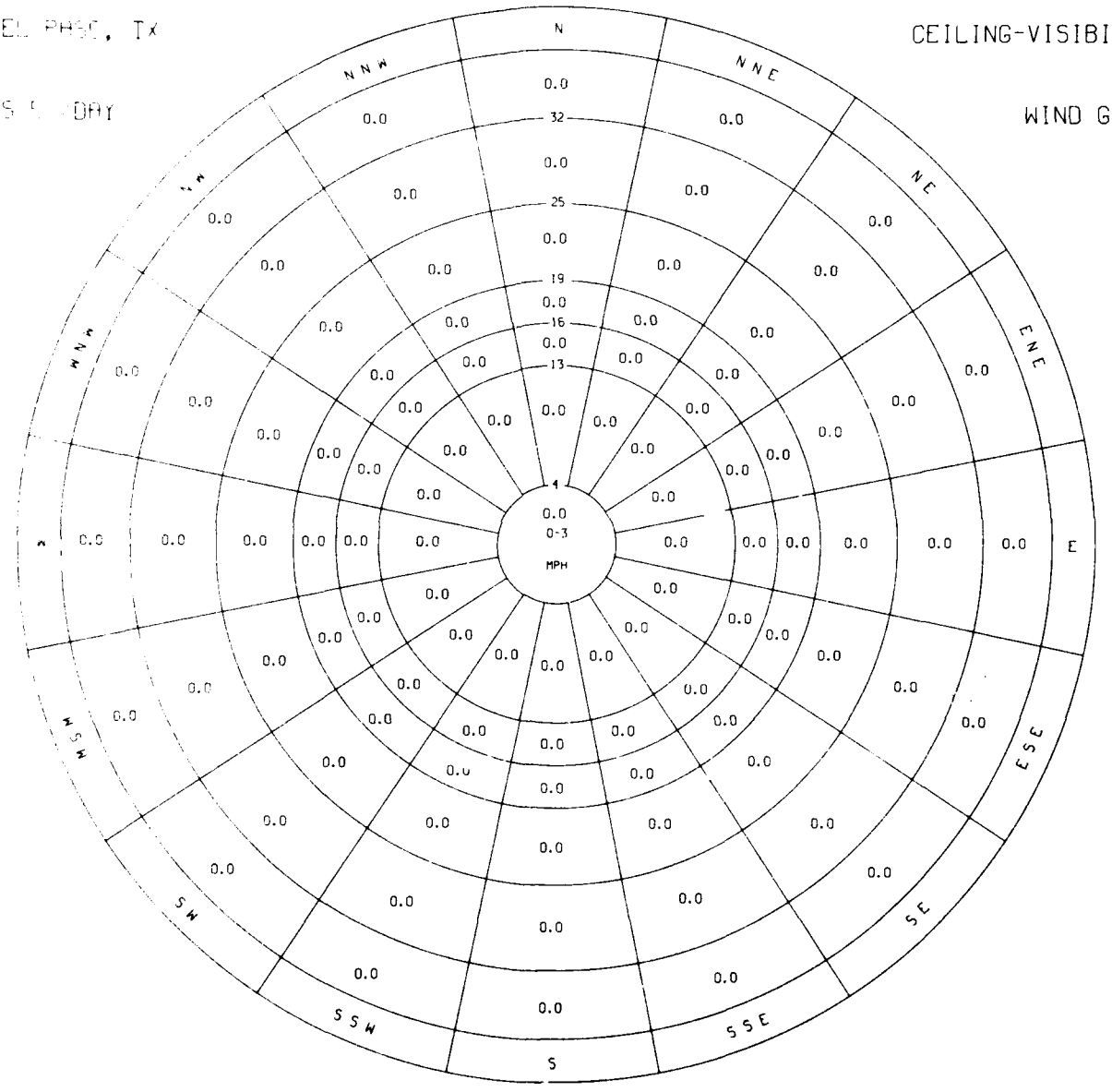
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	3.6	.0	16.1	.0	.0	.0	3.6	.0	3.6	.0	.0	.0	.0	.0	[illegible]3	[illegible]
NNE	.0	.0	.0	10.7	.0	1.8	.0	.0	.0	.0	.0	.0	.0	1.8	.0	[illegible].3	11.6
NE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	3.6	23.5
ENE	.0	.0	.0	3.6	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	11.2
E	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.0
ESE	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	9.0
SE	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	9.0
SSE	.0	1.8	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	7.5
S	.0	1.8	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	6.7
SSW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.0
SW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	1.8	26.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	1.8	26.0
WNW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	.0	5.4	28.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	1.8	40.0
NNW	.0	1.8	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	5.3
CALM	.0	8.9													.0	8.9	
TOTAL	.0	19.6	.1	55.4	.0	5.4	.0	3.6	.0	3.6	.0	3.6	.0	8.9	.1	100	11.1

ELP EL PASO, TX

CLASS [illegible] DAY

CEILING-VISIBILITY

WIND GRAPH



642

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 23044

NO. OBS.: 23

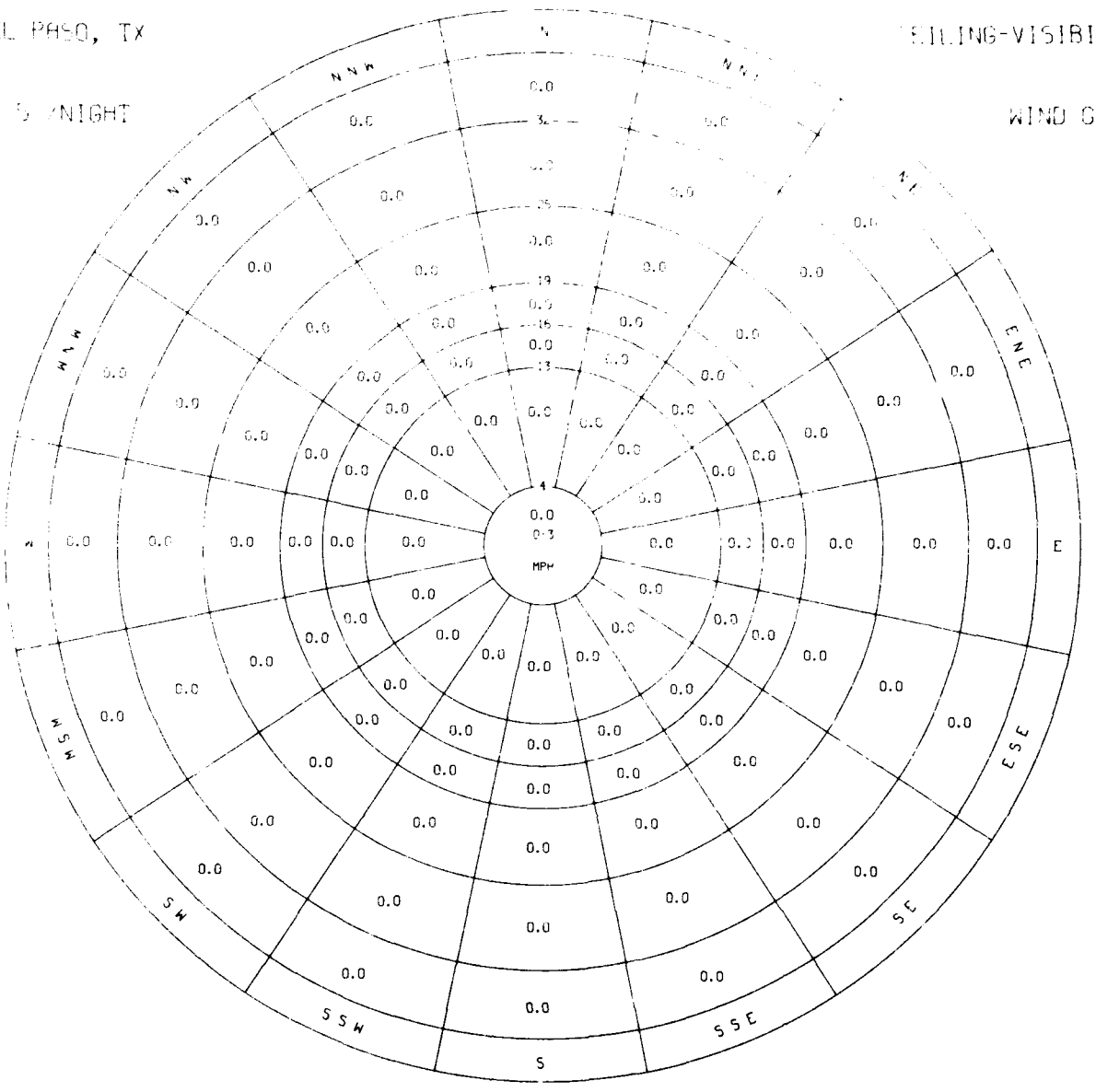
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	4.3	.0	.0	.0	4.3	.0	.0	.0	4.3	.0	.0	.0	13.0	16.0
NNE	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	5.0
NE	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	3.0
ENE	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	5.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.0
S	.0	.0	.0	13.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0	6.3
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	30.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	8.7	40.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	17.4	.0	21.7	39.2
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	4.3	29.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	13.0													.0	13.0	
TOTAL	.0	17.4	.0	34.8	.0	.0	.0	4.3	.0	.0	.0	17.4	.0	26.1	.0	100	18.5

ELP EL PASO, TX

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 23044

NO. OBS.: 19

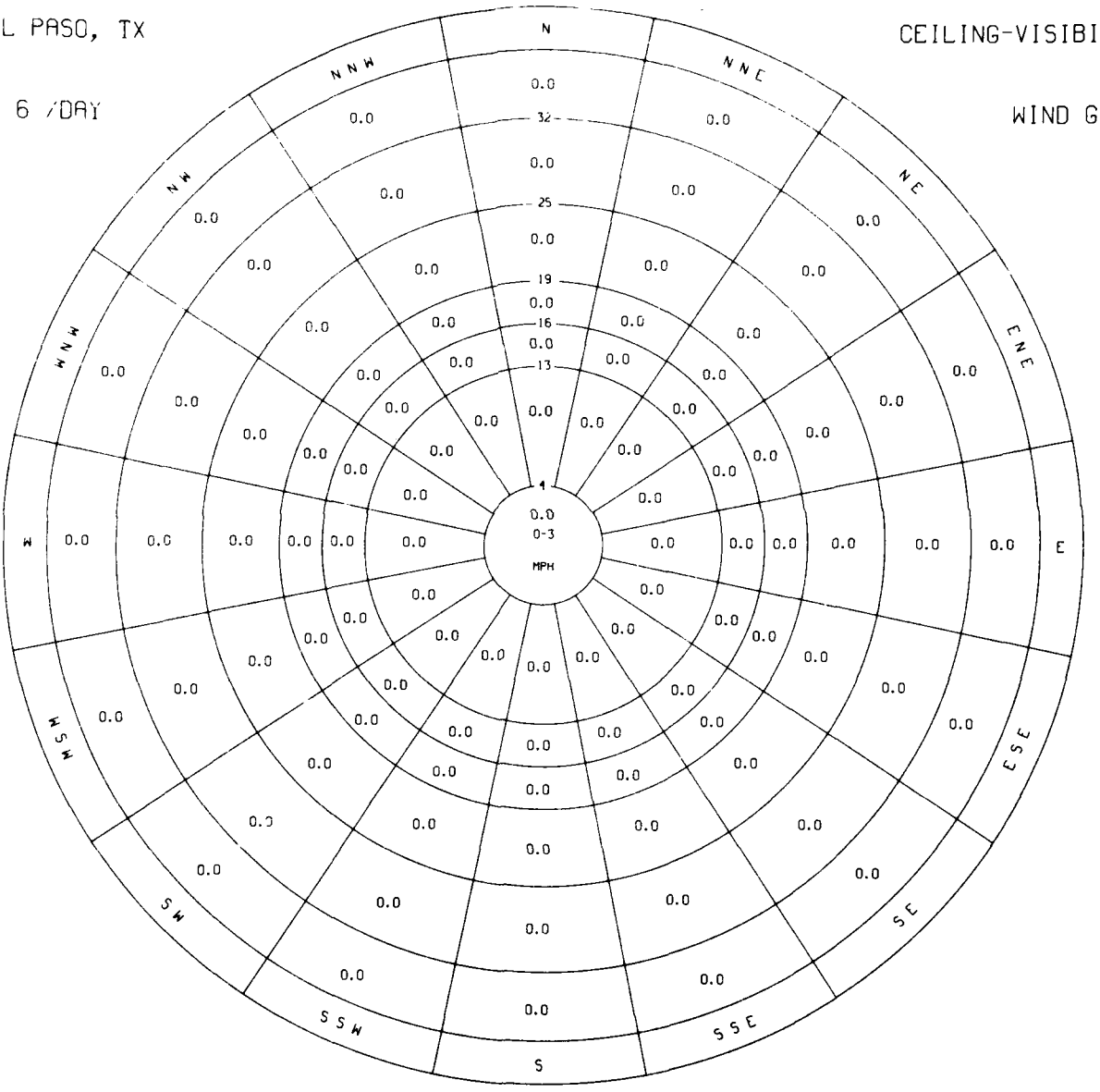
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	10.5	.0	10.5	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	26.3	7.0
NNE	.0	5.3	.0	10.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.8	4.7
NE	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	3.0
ENE	.0	5.3	.0	5.3	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	15.8	10.0
E	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.0
ESE	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	2.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	12.0
S	.0	5.3	.0	10.5	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.1	7.8
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.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
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0													.0	.0	
TOTAL	.0	36.8	.0	47.4	.0	10.5	.0	5.3	.0	.0	.0	.0	.0	.0	.0	100	7.0

ELP EL PASO, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 23044

NO. OBS.: 30

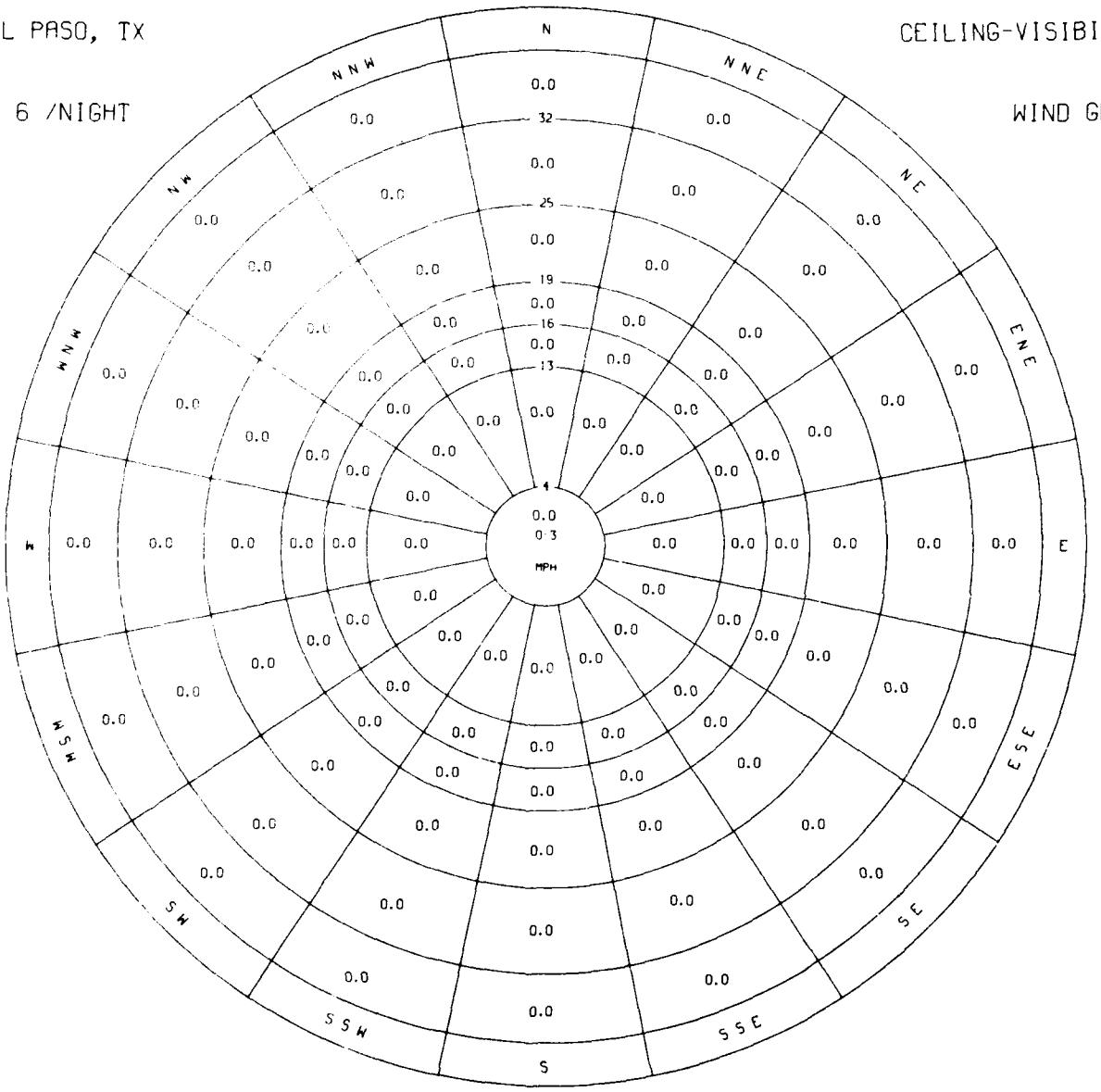
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	16.7	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.3	3.6
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	3.3	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	4.0
ENE	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	10.0	20.7
E	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	3.0
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	3.3	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	4.5
S	.0	3.3	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	5.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	3.3	31.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	6.7	60.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	6.7	36.5
NW	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	13.3													.0	13.3	
TOTAL	.0	53.3	.0	23.3	.0	.0	.0	.0	.0	.0	.0	10.0	.0	13.3	.1	100	12.0

ELP EL PASO, TX

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ELP EL PASO, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 23044

NO. OBS.: 32

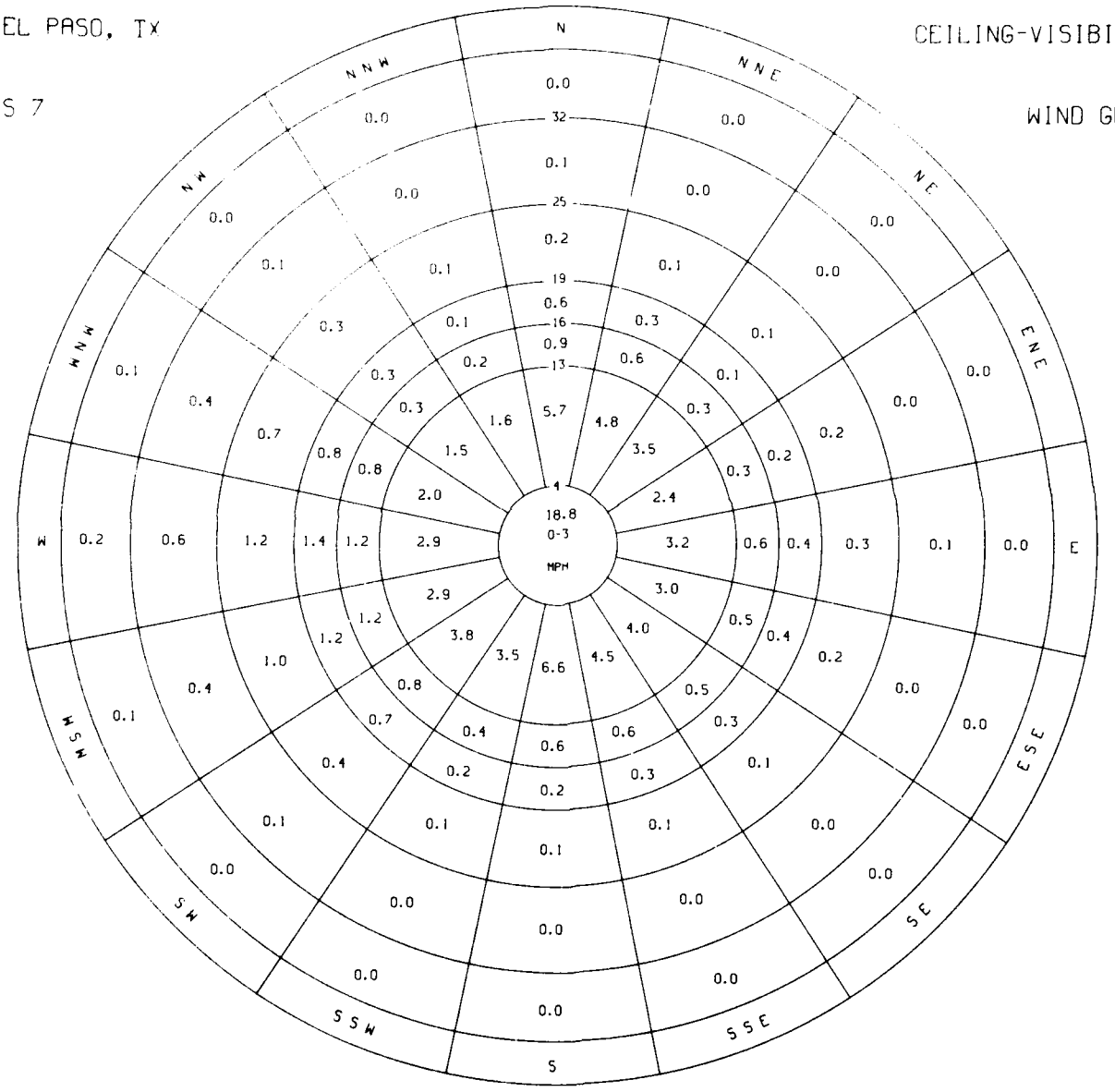
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	3.1	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	12.5	15.5
NNE	.0	9.4	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.6	5.6
NE	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.0
ENE	.0	.0	.0	3.1	.0	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	6.3	16.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	2.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	3.1	.0	3.1	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	6.7
SSW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	12.0
SW	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.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
NNW	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	6.0
CALM	.0	31.3													.0	31.3	
TOTAL	.0	50.0	.0	40.6	.0	3.1	.0	.0	.0	3.1	.0	.0	.0	3.1	.1	100	6.0

ELP EL PASO, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH



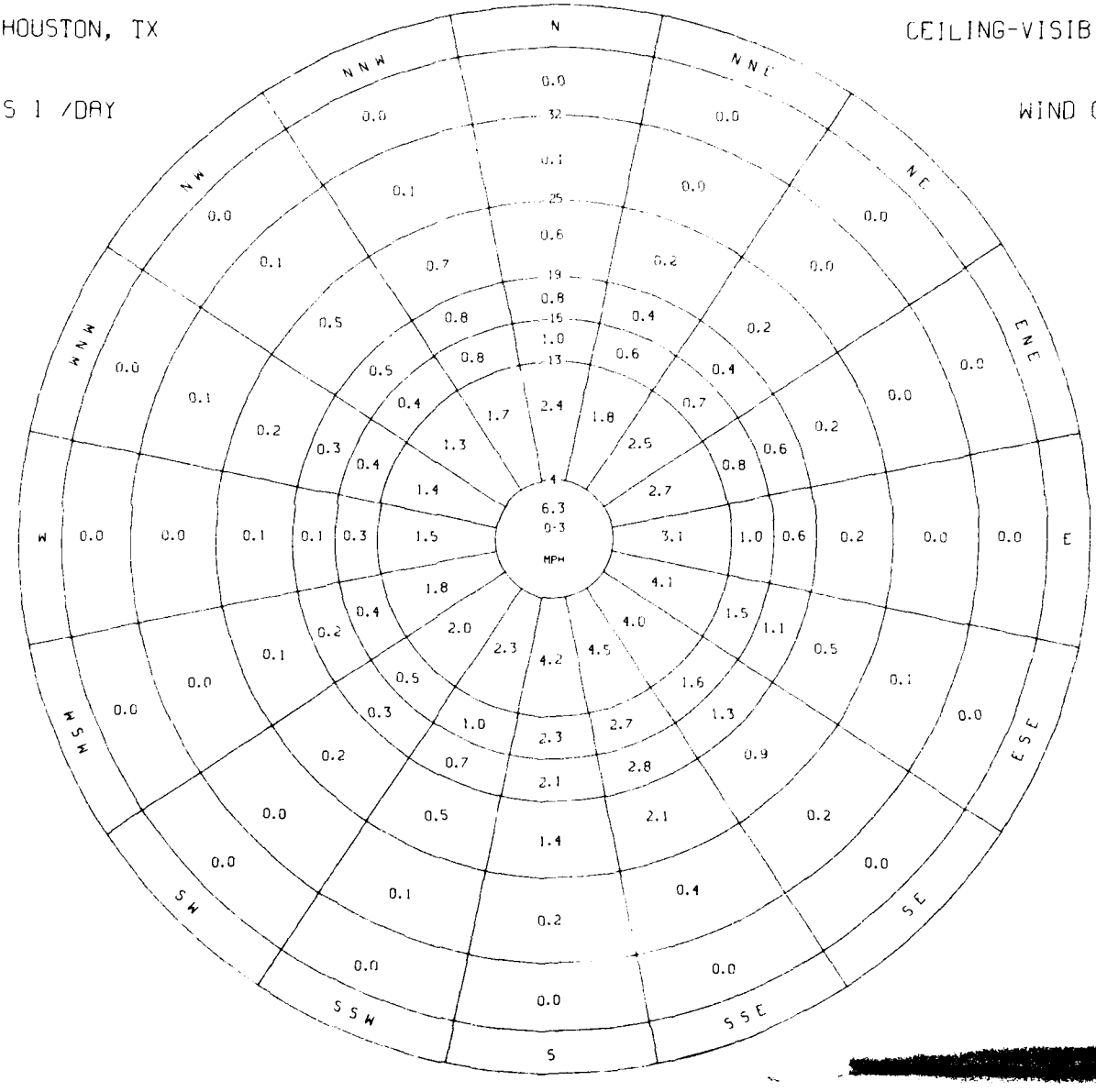
650

HOU HOUSTON, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



652

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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 12918

NO. OBS.: 34893

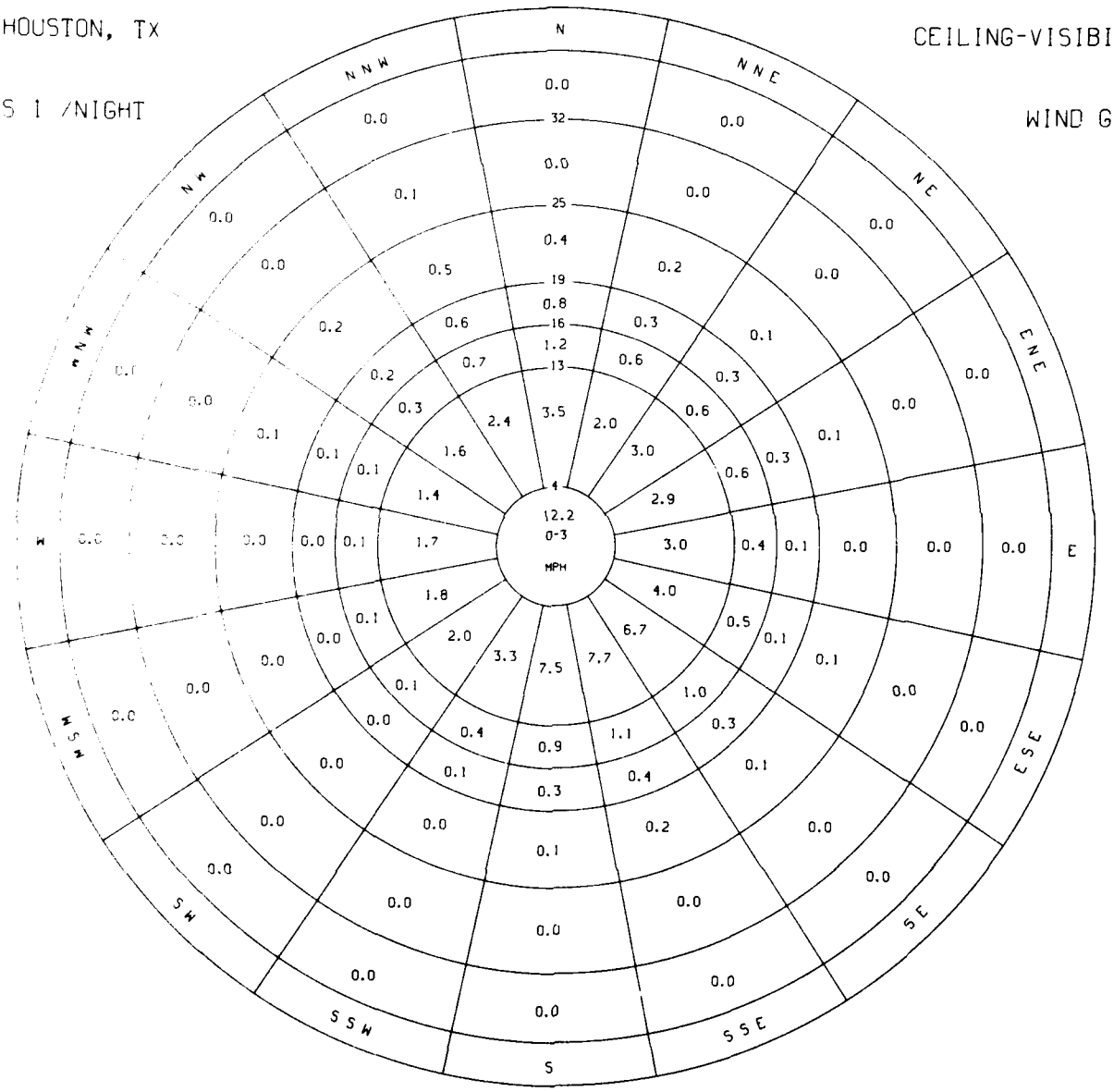
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.3	.3	2.4	2.8	1.0	1.2	.8	.9	.6	.6	.1	.1	.0	.0	5.1	5.9	12.3
NNE	.3	.3	1.8	2.1	.6	.7	.4	.5	.2	.2	.0	.0	.0	.0	3.3	3.8	11.2
NE	.3	.3	2.5	2.8	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	4.0	4.6	10.7
ENE	.3	.4	2.7	3.1	.8	.9	.6	.6	.2	.2	.0	.0	.0	.0	4.6	5.3	10.8
E	.4	.5	3.1	3.6	1.0	1.1	.6	.6	.2	.3	.0	.0	.0	.0	5.3	6.2	10.8
ESE	.4	.5	4.1	4.7	1.5	1.7	1.1	1.3	.5	.6	.1	.1	.0	.0	7.6	8.8	11.6
SE	.3	.4	4.0	4.6	1.6	1.8	1.3	1.5	.9	1.1	.2	.2	.0	.0	8.4	9.7	12.7
SSE	.3	.4	4.5	5.2	2.7	3.1	2.8	3.2	2.1	2.5	.4	.4	.0	.1	12.8	14.8	14.4
S	.4	.4	4.2	4.9	2.3	2.6	2.1	2.4	1.4	1.6	.2	.3	.0	.0	10.6	12.2	13.4
SSW	.2	.2	2.3	2.7	1.0	1.2	.7	.8	.5	.6	.1	.1	.0	.0	4.9	5.6	12.5
SW	.2	.3	2.0	2.3	.5	.6	.3	.4	.2	.2	.0	.0	.0	.0	3.3	3.8	10.7
WSW	.2	.2	1.8	2.0	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.7	3.1	9.9
W	.3	.3	1.5	1.7	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	2.3	2.7	9.6
WNW	.2	.3	1.4	1.6	.4	.4	.3	.3	.2	.3	.1	.1	.0	.0	2.6	3.0	11.3
NW	.2	.2	1.3	1.5	.4	.4	.5	.6	.5	.6	.1	.2	.0	.0	3.0	3.4	13.2
NNW	.2	.2	1.7	1.9	.8	.9	.8	.9	.7	.8	.1	.2	.0	.0	4.2	4.9	13.4
CALM	1.7	2.0													1.7	2.0	
TOTAL	6.3	7.2	41.1	47.5	15.9	18.4	12.9	14.9	8.6	10.0	1.6	1.8	.1	.2	86.5	100	12.0

HOU HOUSTON, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-197

CLASS 1 / NIGHT

STATION NUMBER: 12918

NO. OBS.: 2678

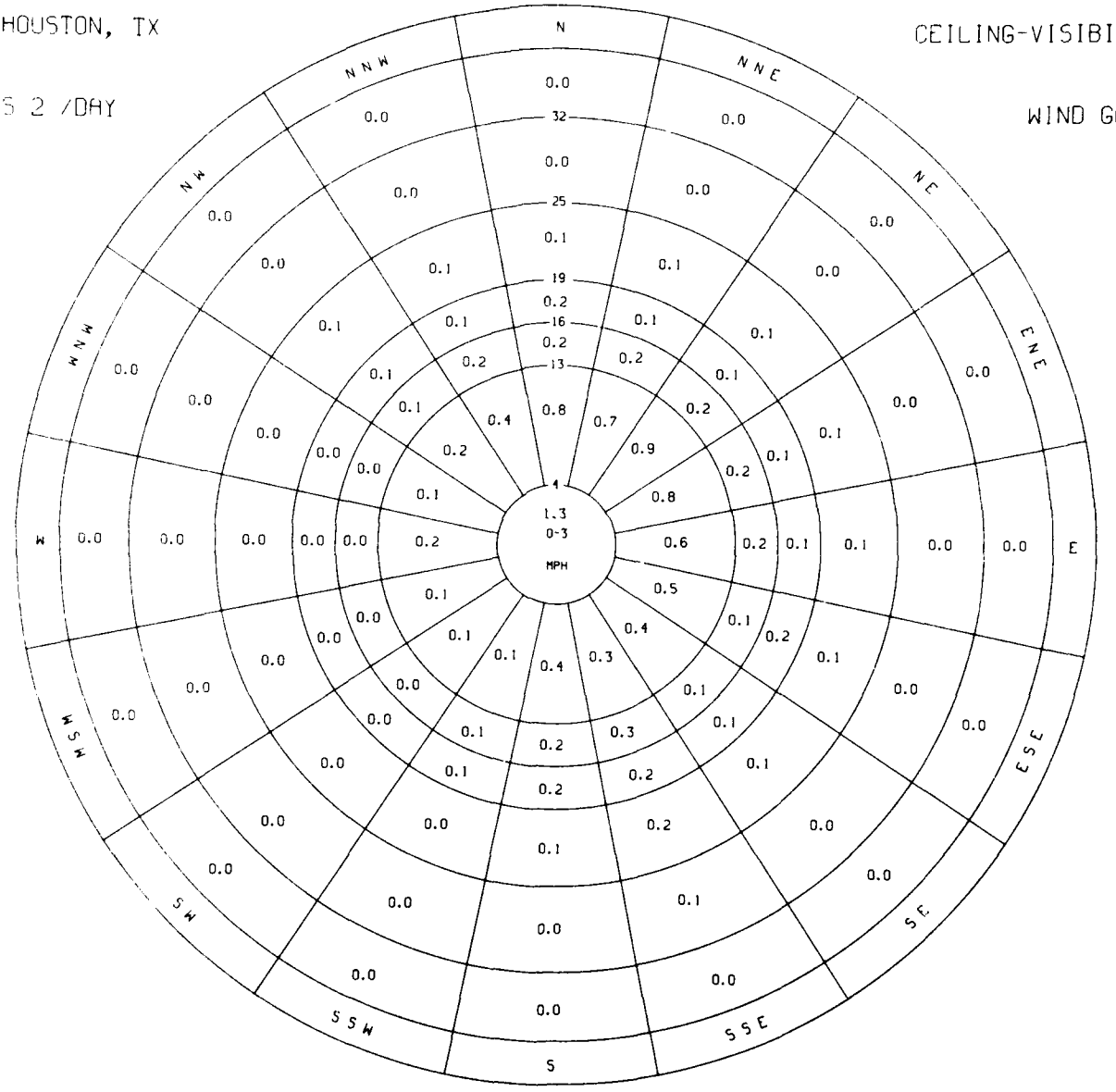
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.5	3.5	4.3	1.2	1.4	.8	.9	.4	.5	.0	.1	.0	.0	6.3	7.7	11.0
NNE	.3	.3	2.0	2.5	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	3.4	4.2	10.5
NE	.5	.6	3.0	3.7	.6	.7	.3	.4	.1	.2	.0	.0	.0	.0	4.6	5.6	9.4
ENE	.5	.6	2.9	3.6	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	4.4	5.4	9.2
E	.6	.8	3.0	3.6	.4	.5	.1	.2	.0	.1	.0	.0	.0	.0	4.2	5.1	8.1
ESE	.8	1.0	4.0	4.9	.5	.6	.1	.2	.1	.1	.0	.0	.0	.0	5.5	6.7	7.8
SE	.9	1.1	6.7	8.1	1.0	1.2	.3	.4	.1	.2	.0	.0	.0	.0	9.0	11.0	8.8
SSE	.9	1.1	7.7	9.4	1.1	1.4	.4	.5	.2	.2	.0	.0	.0	.0	10.2	12.5	8.6
S	1.0	1.2	7.5	9.2	.9	1.0	.3	.3	.1	.1	.0	.0	.0	.0	9.7	11.8	8.2
SSW	.4	.5	3.3	4.1	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	4.3	5.3	8.3
SW	.4	.4	2.0	2.4	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.5	3.1	7.2
WSW	.3	.4	1.8	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.8	7.2
W	.5	.6	1.7	2.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.7	6.9
WNW	.3	.4	1.4	1.7	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.1	2.5	8.5
NW	.3	.4	1.6	1.9	.3	.4	.2	.3	.2	.2	.0	.1	.0	.0	2.6	3.2	10.0
NNW	.3	.4	2.4	2.9	.7	.9	.6	.7	.5	.6	.1	.2	.0	.0	4.7	5.7	11.9
CALM	3.8	4.6													3.8	4.6	
TOTAL	12.2	14.9	54.6	66.6	8.6	10.5	4.1	5.0	2.1	2.6	.4	.4	.0	.1	81.9	100	8.6

HOU HOUSTON, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 12918

NO. OBS.: 5456

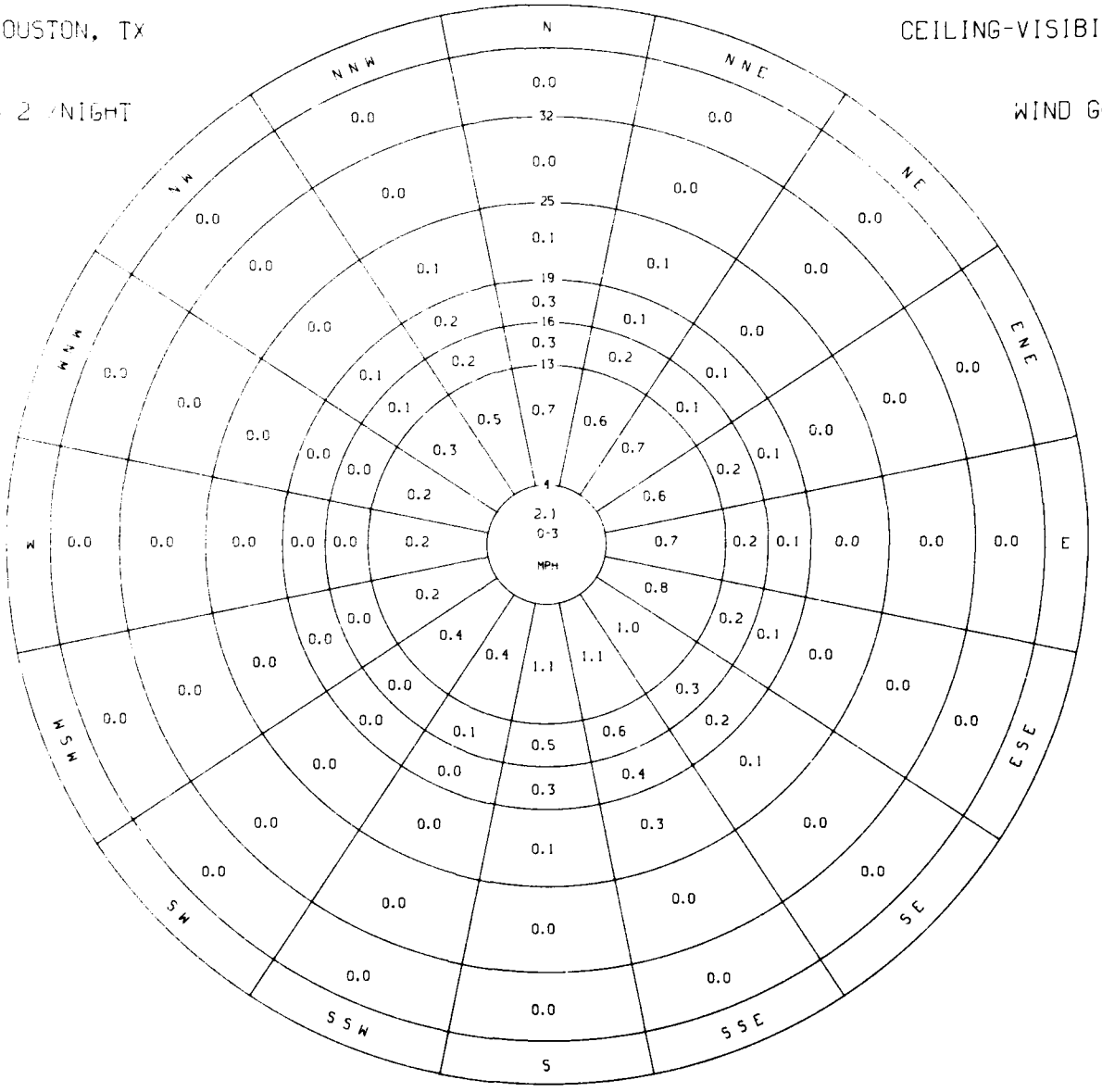
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.6	.8	6.0	.2	1.6	.2	1.7	.1	.6	.0	.1	.0	.0	1.5	10.8	11.2
NNE	.1	.6	.7	5.5	.2	1.3	.1	.9	.1	.5	.0	.1	.0	.0	1.2	8.9	10.6
NE	.1	.7	.9	6.9	.2	1.7	.1	.6	.1	.4	.0	.1	.0	.0	1.4	10.3	10.0
ENE	.1	.8	.8	6.2	.2	1.6	.1	1.0	.1	.4	.0	.1	.0	.0	1.4	10.1	10.3
E	.1	.6	.6	4.7	.2	1.4	.1	1.1	.1	.6	.0	.2	.0	.0	1.2	8.7	11.5
ESE	.1	.5	.5	3.8	.1	1.1	.2	1.2	.1	.6	.0	.1	.0	.1	1.0	7.4	11.7
SE	.0	.3	.4	2.7	.1	.8	.1	1.0	.1	.7	.0	.1	.0	.0	.8	5.6	12.4
SSE	.0	.1	.3	2.4	.3	1.9	.2	1.7	.2	1.2	.1	.4	.0	.1	1.1	7.8	14.9
S	.1	.4	.4	3.3	.2	1.5	.2	1.3	.1	.7	.0	.1	.0	.0	1.0	7.3	12.4
SSW	.0	.3	.1	1.1	.1	.5	.1	.4	.0	.2	.0	.1	.0	.0	.3	2.5	11.6
SW	.0	.3	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.8	9.3
WSW	.0	.2	.1	1.0	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	9.8
W	.1	.5	.2	1.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.1	8.5
WNW	.0	.3	.1	1.1	.0	.4	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.3	11.2
NW	.0	.3	.2	1.6	.1	.4	.1	.6	.1	.5	.0	.0	.0	.0	.5	3.4	12.0
NNW	.1	.4	.4	3.1	.2	1.4	.1	1.0	.1	.9	.0	.1	.0	.0	.9	6.9	12.5
CALM	.3	2.5													.3	2.5	
TOTAL	1.3	9.5	7.0	51.7	2.2	16.1	1.8	13.2	1.0	7.7	.2	1.5	.0	.3	13.5	100	11.2

HOU HOUSTON, TX

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 12918

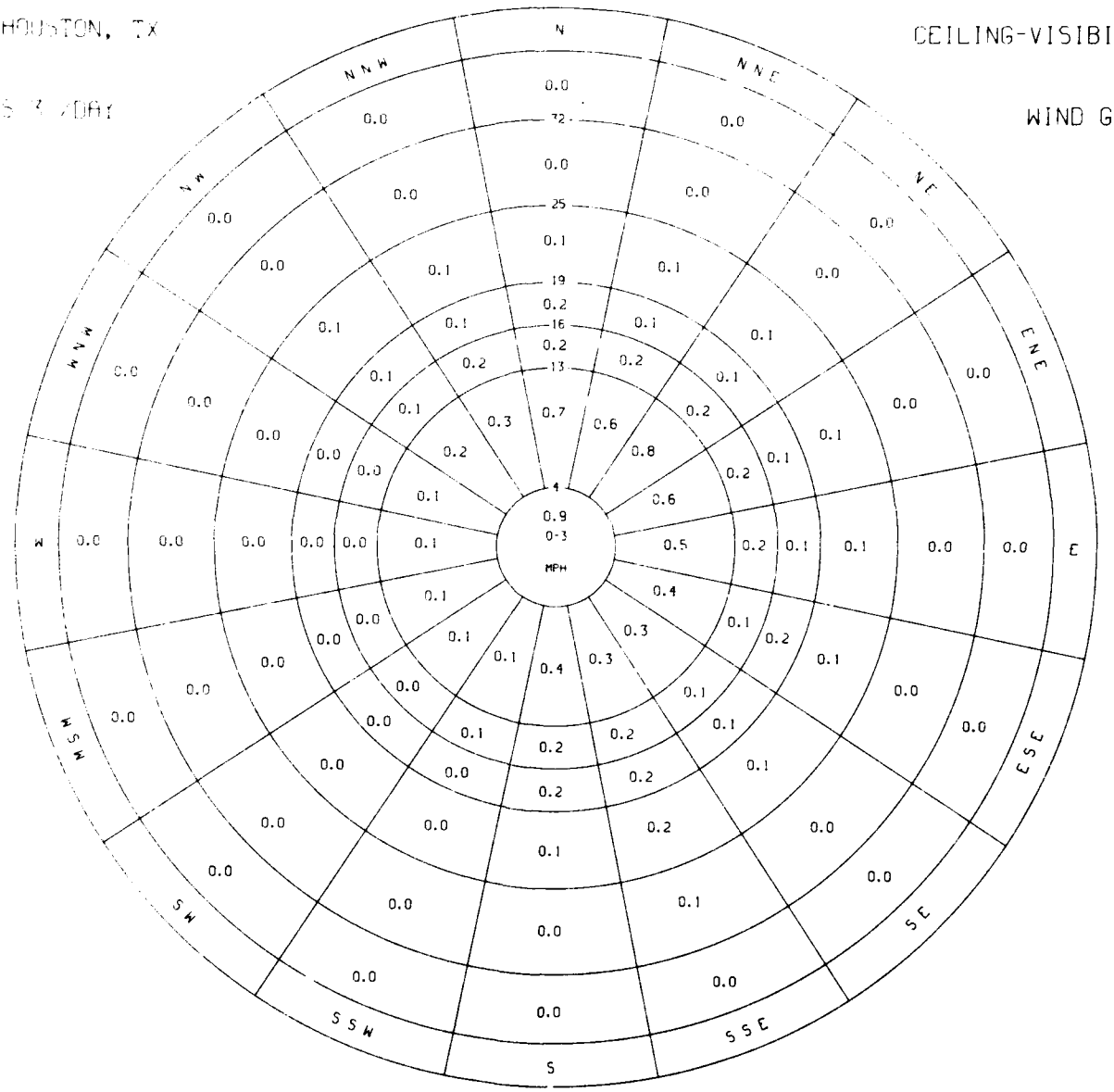
NO. OBS.: 5908

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.7	4.1	.3	1.8	.3	1.6	.1	.6	.0	.0	.0	.0	1.6	8.7	11.9
NNE	.1	.4	.6	3.0	.2	1.2	.1	.7	.1	.3	.0	.1	.0	.0	1.0	5.8	11.1
NE	.1	.5	.7	3.6	.1	.7	.1	.5	.0	.2	.0	.0	.0	.1	1.0	5.6	10.2
ENE	.1	.8	.6	3.5	.2	1.1	.1	.6	.0	.3	.0	.0	.0	.0	1.1	6.3	10.0
E	.2	1.0	.7	3.9	.2	1.3	.1	.6	.0	.2	.0	.0	.0	.0	1.3	7.0	9.8
ESE	.1	.7	.8	4.4	.2	1.2	.1	.6	.0	.2	.0	.1	.0	.1	1.3	7.3	10.3
SE	.1	.8	1.0	5.6	.3	1.4	.2	1.2	.1	.5	.0	.2	.0	.1	1.8	9.7	11.1
SSE	.1	.5	1.1	6.2	.6	3.3	.4	2.5	.3	1.5	.0	.2	.0	.1	2.6	14.2	13.0
S	.1	.8	1.1	6.0	.5	2.5	.3	1.5	.1	.6	.0	.1	.0	.0	2.1	11.5	11.3
SSW	.1	.4	.4	2.3	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.4	9.3
SW	.1	.3	.4	2.1	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.7	8.2
WSW	.1	.3	.2	1.3	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.7	7.4
W	.0	.3	.2	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.5	8.6
WNW	.0	.2	.2	1.3	.0	.2	.0	.3	.0	.1	.0	.1	.0	.0	.4	2.2	10.6
NW	.1	.4	.3	1.6	.1	.5	.1	.4	.0	.2	.0	.1	.0	.0	.6	3.2	11.2
NNW	.1	.3	.5	2.5	.2	1.2	.2	.9	.1	.8	.0	.1	.0	.0	1.0	5.8	12.7
CALM	.6	3.4													.6	3.4	
TOTAL	2.1	11.7	9.5	52.5	3.1	17.2	2.1	11.6	1.0	5.8	.1	.8	.1	.4	18.1	100	10.6

HOU HOUSTON, TX

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 12918

NO. OBS.: 4596

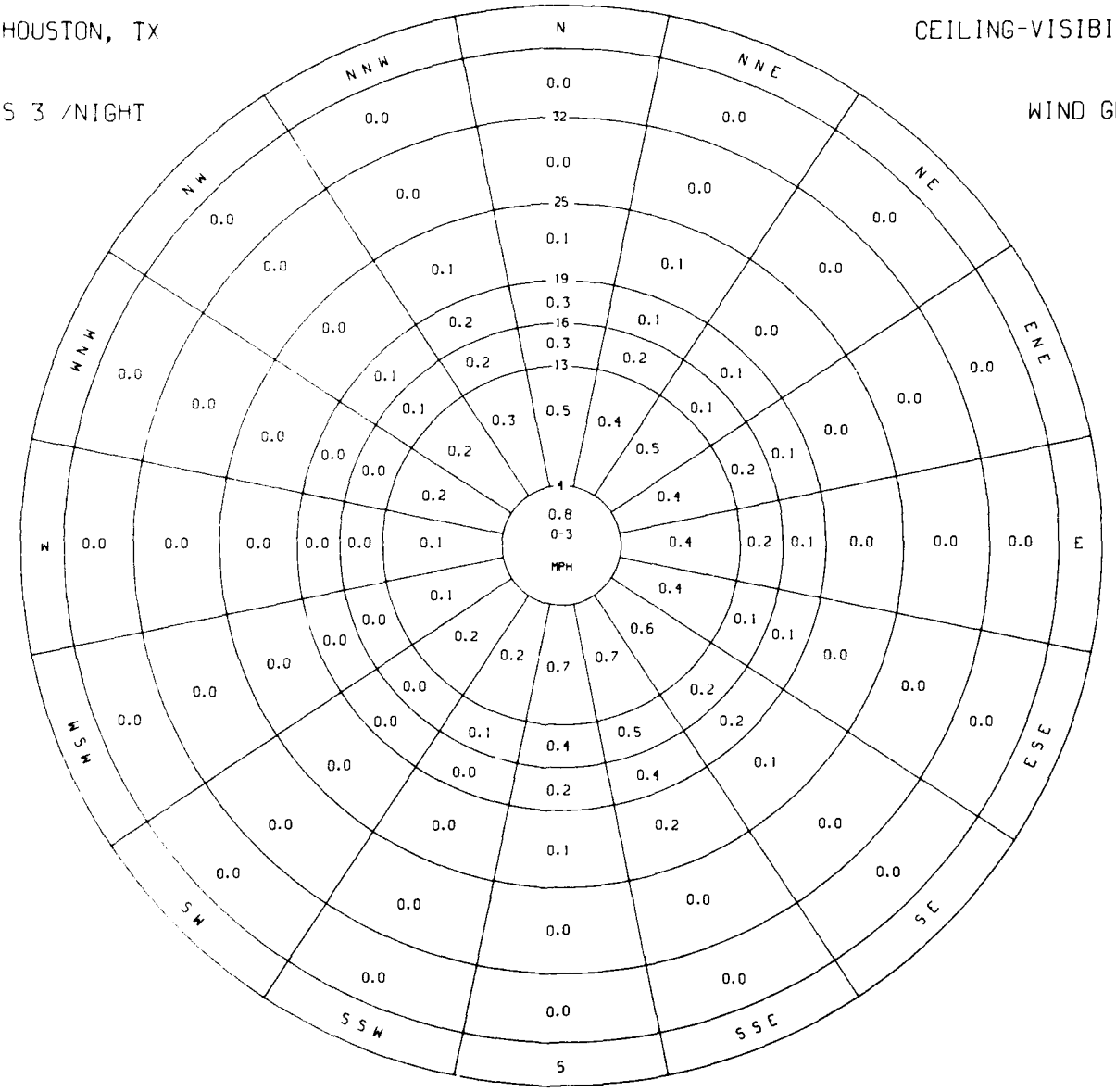
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.7	6.2	.2	1.7	.2	2.0	.1	.7	.0	.2	.0	.0	1.3	11.3	11.6
NNE	.1	.5	.6	5.4	.2	1.4	.1	1.1	.1	.5	.0	.1	.0	.0	1.0	9.0	11.0
NE	.1	.5	.8	6.6	.2	1.8	.1	.7	.1	.5	.0	.1	.0	.0	1.2	10.2	10.4
ENE	.1	.7	.6	5.6	.2	1.7	.1	1.2	.1	.5	.0	.1	.0	.0	1.1	9.9	10.9
E	.1	.5	.5	4.1	.2	1.5	.1	1.2	.1	.7	.0	.2	.0	.0	.9	8.1	12.1
ESE	.0	.4	.4	3.2	.1	1.2	.2	1.4	.1	.7	.0	.1	.0	.0	.8	6.9	12.5
SE	.0	.3	.3	2.5	.1	.8	.1	1.1	.1	.8	.0	.1	.0	.0	.6	5.5	13.3
SSE	.0	.1	.3	2.4	.2	2.1	.2	2.0	.2	1.3	.1	.5	.0	.0	1.0	8.5	15.3
S	.0	.3	.4	3.3	.2	1.7	.2	1.5	.1	.8	.0	.1	.0	.0	.9	7.7	12.8
SSW	.0	.3	.1	1.0	.1	.5	.0	.4	.0	.2	.0	.1	.0	.0	.3	2.5	12.0
SW	.0	.2	.1	1.1	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.8	10.0
WSW	.0	.2	.1	.9	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	10.4
W	.0	.4	.1	1.2	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.0	9.0
WNW	.0	.2	.1	1.1	.0	.4	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.4	11.8
NW	.0	.1	.2	1.6	.1	.5	.1	.7	.1	.5	.0	.0	.0	.0	.4	3.4	12.9
NNW	.0	.4	.3	2.9	.2	1.5	.1	1.2	.1	1.0	.0	.0	.0	.0	.8	7.1	12.9
CALM	.2	2.0													.2	2.0	
TOTAL	.9	7.6	5.6	49.0	2.0	17.5	1.7	15.2	1.0	8.7	.2	1.7	.0	.3	11.4	100	11.8

HOU HOUSTON, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 12918

NO. OBS.: 4094

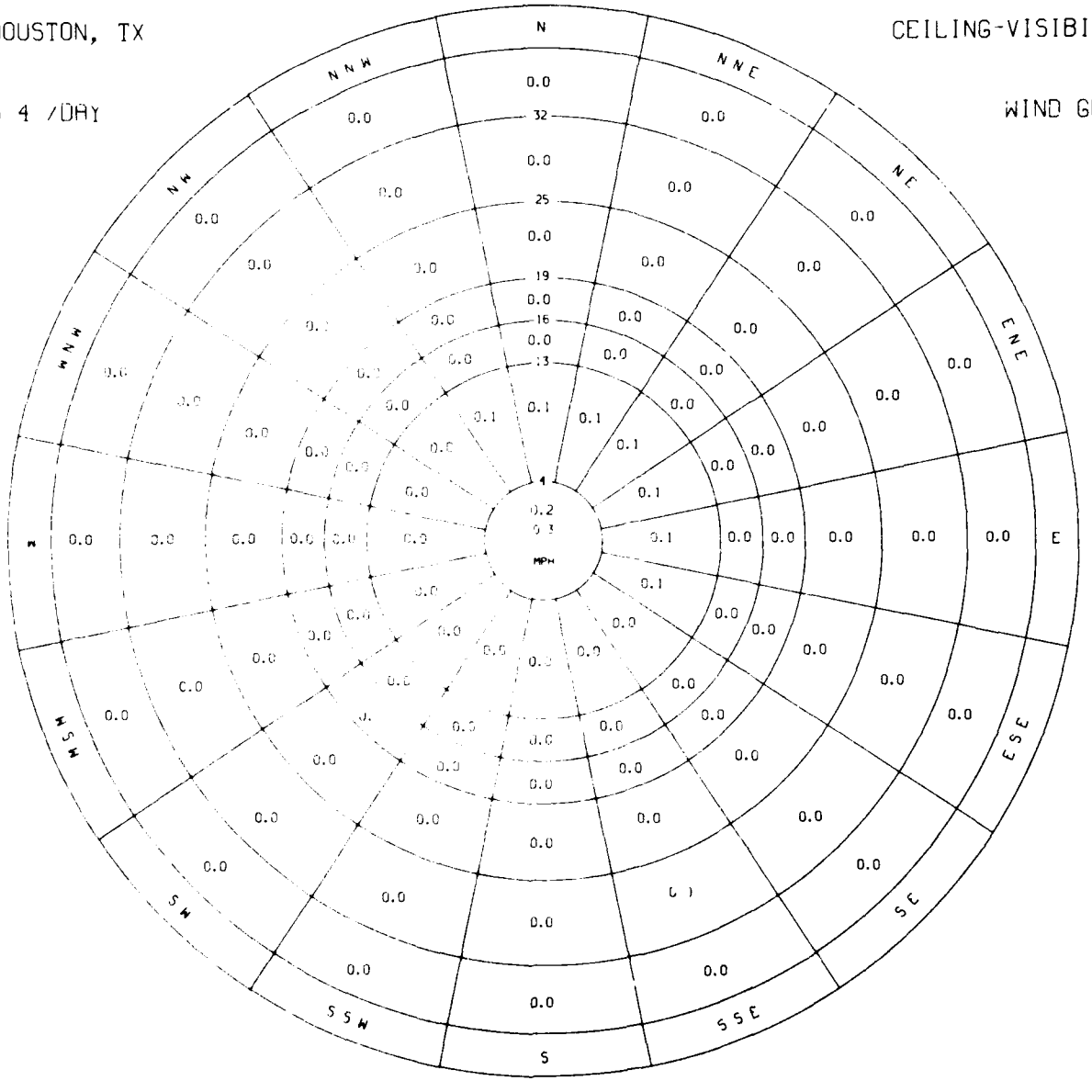
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.5	4.3	.3	2.2	.3	2.2	.1	.9	.0	.0	.0	.0	1.3	10.1	12.8
NNE	.0	.4	.4	3.3	.2	1.7	.1	1.0	.1	.4	.0	.1	.0	.0	.9	6.9	11.9
NE	.1	.4	.5	4.1	.1	.9	.1	.7	.0	.3	.0	.0	.0	.1	.8	6.5	11.1
ENE	.1	.4	.4	3.4	.2	1.2	.1	.7	.0	.3	.0	.0	.0	.0	.8	6.1	11.0
E	.0	.3	.4	2.9	.2	1.5	.1	.6	.0	.3	.0	.0	.0	.0	.7	5.6	11.6
ESE	.0	.2	.4	3.1	.1	1.1	.1	.7	.0	.3	.0	.0	.0	.0	.7	5.6	11.5
SE	.1	.4	.6	4.7	.2	1.7	.2	1.6	.1	.7	.0	.2	.0	.1	1.2	9.5	12.6
SSE	.0	.2	.7	5.8	.5	4.1	.4	3.2	.2	1.9	.0	.3	.0	.1	2.0	15.6	14.0
S	.0	.3	.7	5.4	.4	3.2	.2	2.0	.1	.9	.0	.1	.0	.0	1.5	11.8	12.6
SSW	.0	.2	.2	1.9	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.4	3.2	10.6
SW	.0	.2	.2	1.7	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.3	9.5
WSW	.0	.2	.1	1.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.4	8.3
W	.0	.2	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.3	9.8
WNW	.0	.1	.2	1.2	.0	.2	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.1	12.3
NW	.0	.2	.2	1.5	.1	.7	.1	.5	.0	.2	.0	.1	.0	.0	.4	3.3	12.6
NNW	.0	.3	.3	2.6	.2	1.3	.2	1.2	.1	1.2	.0	.1	.0	.0	.8	6.7	13.5
CALM	.2	1.9													.2	1.9	
TOTAL	.8	6.4	6.0	47.8	2.6	20.9	1.9	15.5	1.0	7.8	.1	1.1	.1	.5	12.5	100	12.0

HOU HOUSTON, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 12918

NO. OBS.: 568

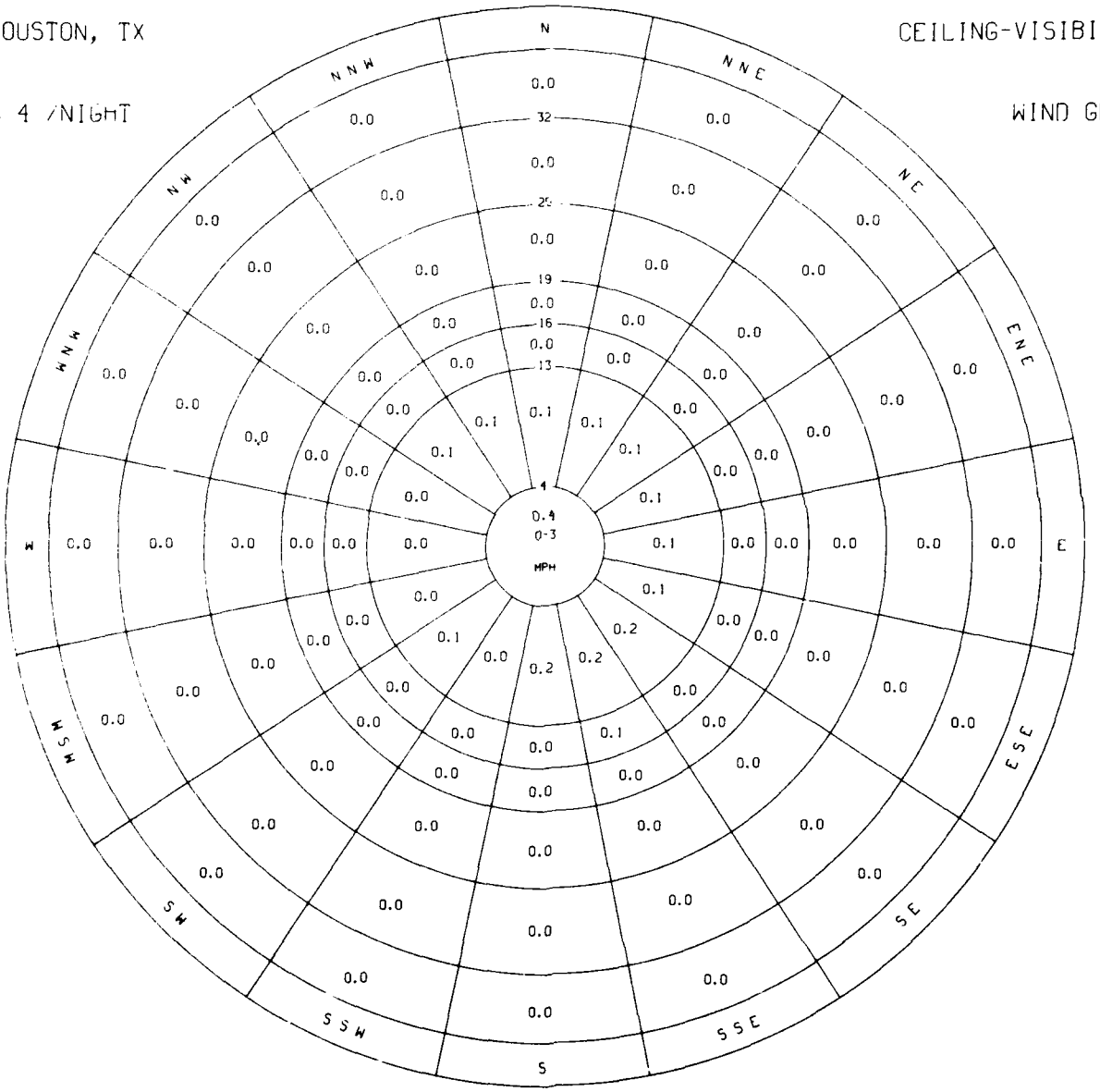
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.1	.1	7.0	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.1	9.5	8.1
NNE	.0	.7	.1	6.3	.0	.9	.0	.0	.0	.4	.0	.2	.0	.0	.1	8.5	9.2
NE	.0	.4	.1	10.2	.0	1.2	.0	.0	.0	.2	.0	.0	.0	.0	.2	12.0	8.8
ENE	.0	1.1	.1	9.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	12.0	8.1
E	.0	1.2	.1	7.7	.0	1.4	.0	.7	.0	.2	.0	.4	.0	.0	.2	11.6	10.1
ESE	.0	.9	.1	5.8	.0	.9	.0	.5	.0	.5	.0	.0	.0	.2	.1	8.8	10.4
SE	.0	.4	.0	3.5	.0	1.1	.0	.4	.0	.2	.0	.0	.0	.0	.1	5.5	9.6
SSE	.0	.2	.0	2.5	.0	.7	.0	.2	.0	.5	.0	.0	.0	.2	.1	4.2	12.6
S	.0	.2	.0	2.5	.0	.7	.0	.5	.0	.4	.0	.0	.0	.0	.1	4.2	10.8
SSW	.0	.2	.0	1.2	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.9	9.5
SW	.0	.5	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.1
WSW	.0	.4	.0	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.4
W	.0	.7	.0	1.8	.0	.0	.0	.4	.0	.2	.0	.0	.0	.0	.0	3.0	8.1
WNW	.0	.4	.0	1.4	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.9	8.3
NW	.0	.7	.0	1.9	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	3.3	8.9
NNW	.0	.5	.1	4.4	.0	.7	.0	.2	.0	.2	.0	.2	.0	.0	.1	6.2	9.7
CALM	.1	4.0													.1	4.0	
TOTAL	.2	13.4	1.0	68.3	.2	10.9	.0	3.2	.0	3.2	.0	.7	.0	.4	1.4	100	8.9

HOU HOUSTON, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILINC-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 12918

NO. OBS.: 840

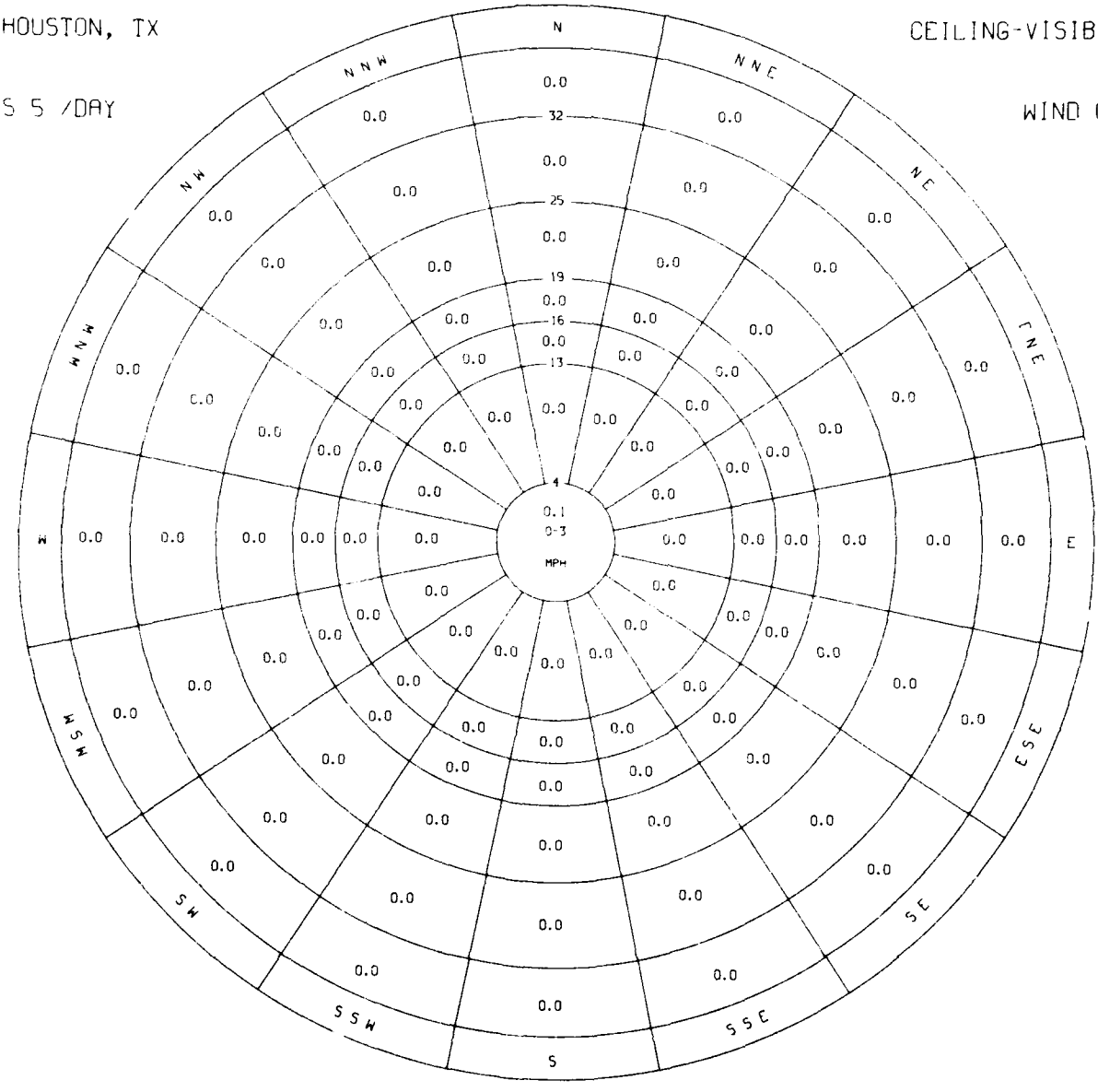
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.1	4.9	.0	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.2	7.4	9.2
NNE	.0	.4	.1	3.2	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.1	4.5	8.5
NE	.0	.6	.1	2.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	8.1
ENE	.0	1.2	.1	3.5	.0	1.7	.0	.5	.0	.2	.0	.0	.0	.0	.2	7.0	10.1
E	.0	1.2	.1	5.5	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.2	8.6	9.2
ESE	.0	1.1	.1	5.4	.0	1.7	.0	.6	.0	.4	.0	.2	.0	.0	.2	9.3	10.4
SE	.0	1.0	.2	8.0	.0	.8	.0	.5	.0	.1	.0	.0	.0	.0	.3	10.4	8.9
SSE	.0	.6	.2	7.9	.1	2.5	.0	1.4	.0	1.0	.0	.0	.0	.0	.3	13.3	11.3
S	.0	1.3	.2	8.5	.0	1.7	.0	.6	.0	.2	.0	.0	.0	.0	.3	12.3	9.2
SSW	.0	.5	.0	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	8.0
SW	.0	.4	.1	3.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	7.2
WSW	.0	.6	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.1
W	.0	.5	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.6
WNW	.0	.4	.0	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.7	8.3
NW	.0	.6	.1	2.3	.0	.4	.0	.2	.0	.1	.0	.0	.0	.1	.1	3.7	9.7
NNW	.0	.5	.1	3.3	.0	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.1	5.5	9.6
CALM	.1	3.5													.1	3.5	
TOTAL	.4	14.6	1.6	62.9	.4	14.6	.1	5.2	.1	2.3	.0	.2	.0	.1	2.6	100	9.1

HOU HOUSTON, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 12918

NO. OBS.: 120

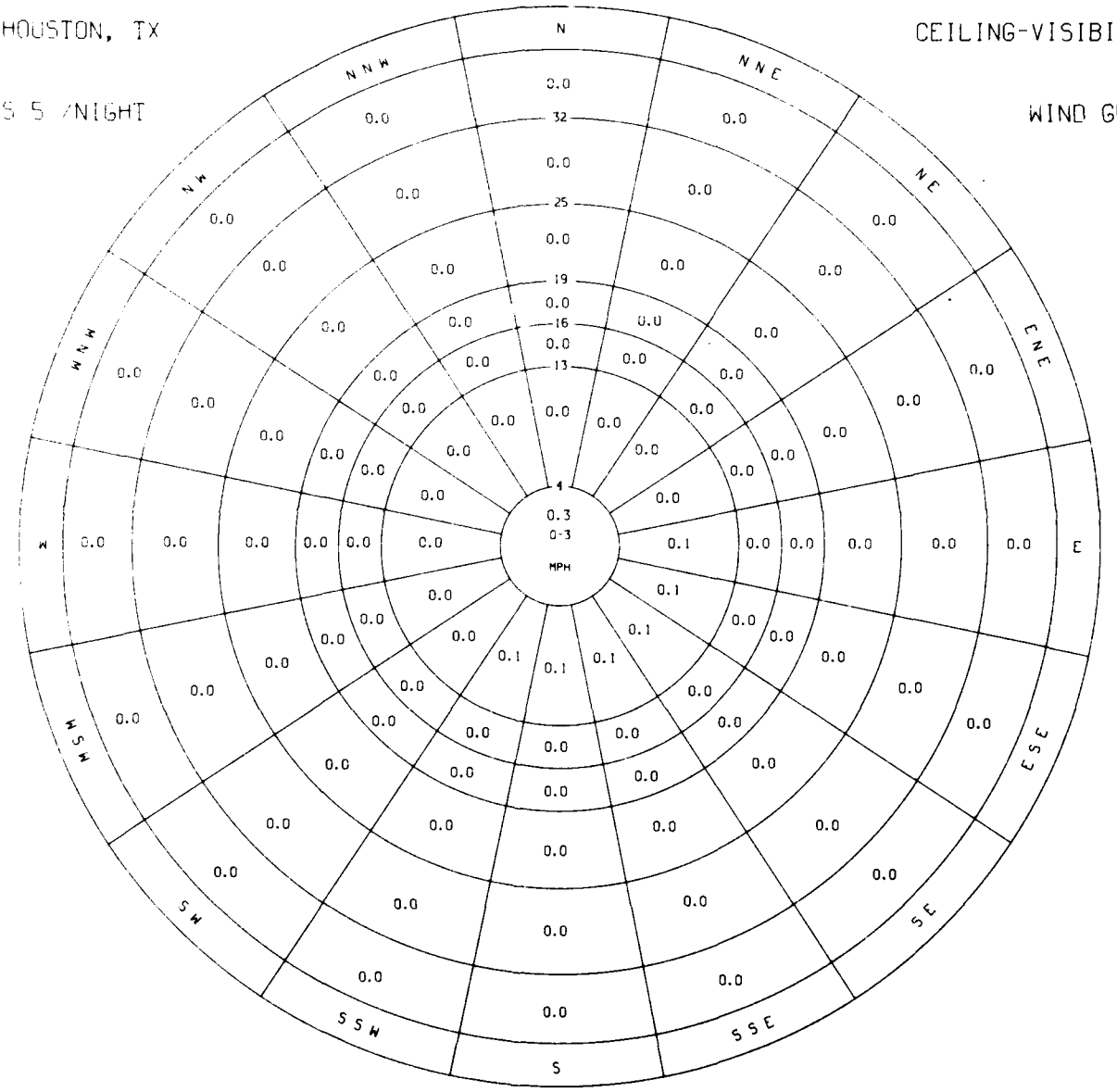
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.0	3.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	.0	5.8	11.7
NNE	.0	1.7	.0	5.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	7.8
NE	.0	1.7	.0	5.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	8.4
ENE	.0	2.5	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	7.2
E	.0	2.5	.0	13.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15.8	6.8
ESE	.0	.8	.0	8.3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	10.0	8.4
SE	.0	.8	.0	2.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	7.8
SSE	.0	.0	.0	3.3	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	5.0	10.0
S	.0	1.7	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	4.9
SSW	.0	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	1.7	11.0
SW	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.7
WSW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.5
W	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.0
WNW	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	8.5
NW	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.7
NNW	.0	.8	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.8	.0	.8	.0	10.0	12.0
CALM	.0	7.5													.0	7.5	
TOTAL	.1	24.2	.2	65.0	.0	5.8	.0	2.5	.0	.0	.0	.8	.0	1.7	.3	100	7.6

HOU HOUSTON, TX

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 12918

NO. OBS.: 381

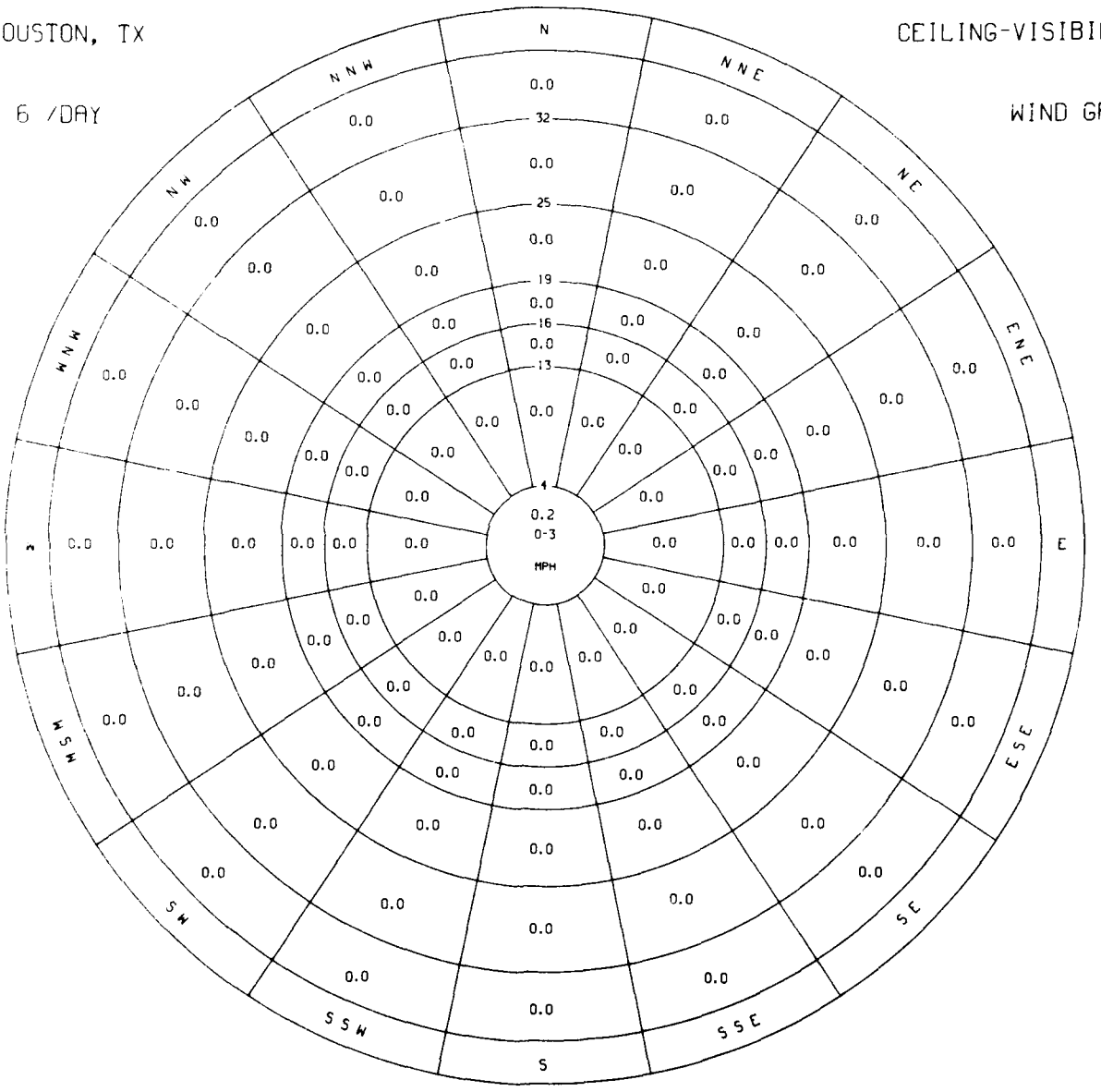
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	1.0	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	6.5
NNE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.8
NE	.0	1.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.8
ENE	.0	1.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	6.4
E	.0	2.4	.1	5.8	.0	1.0	.0	.8	.0	.0	.0	.0	.0	.0	.1	10.0	8.2
ESE	.0	1.0	.1	10.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.3	.1	12.3	9.6
SE	.0	2.1	.1	7.1	.0	1.6	.0	.3	.0	.0	.0	.0	.0	.0	.1	11.0	8.0
SSE	.0	2.1	.1	6.8	.0	1.3	.0	.3	.0	.3	.0	.0	.0	.0	.1	10.8	8.5
S	.0	2.9	.1	8.1	.0	.8	.0	.3	.0	.0	.0	.0	.0	.0	.1	12.1	7.4
SSW	.0	.8	.1	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	6.6
SW	.0	.5	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	5.9
WSW	.0	.5	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.9
W	.0	.3	.0	2.1	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	2.6	8.2
WNW	.0	.8	.0	2.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.8
NW	.0	.8	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.8
NNW	.0	.0	.0	2.1	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.6	9.0
CALM	.1	8.1													.1	8.1	
TOTAL	.3	25.5	.8	65.6	.1	6.3	.0	1.8	.0	.5	.0	.0	.0	.3	1.2	100	7.1

HOU HOUSTON, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 12918

NO. OBS.: 172

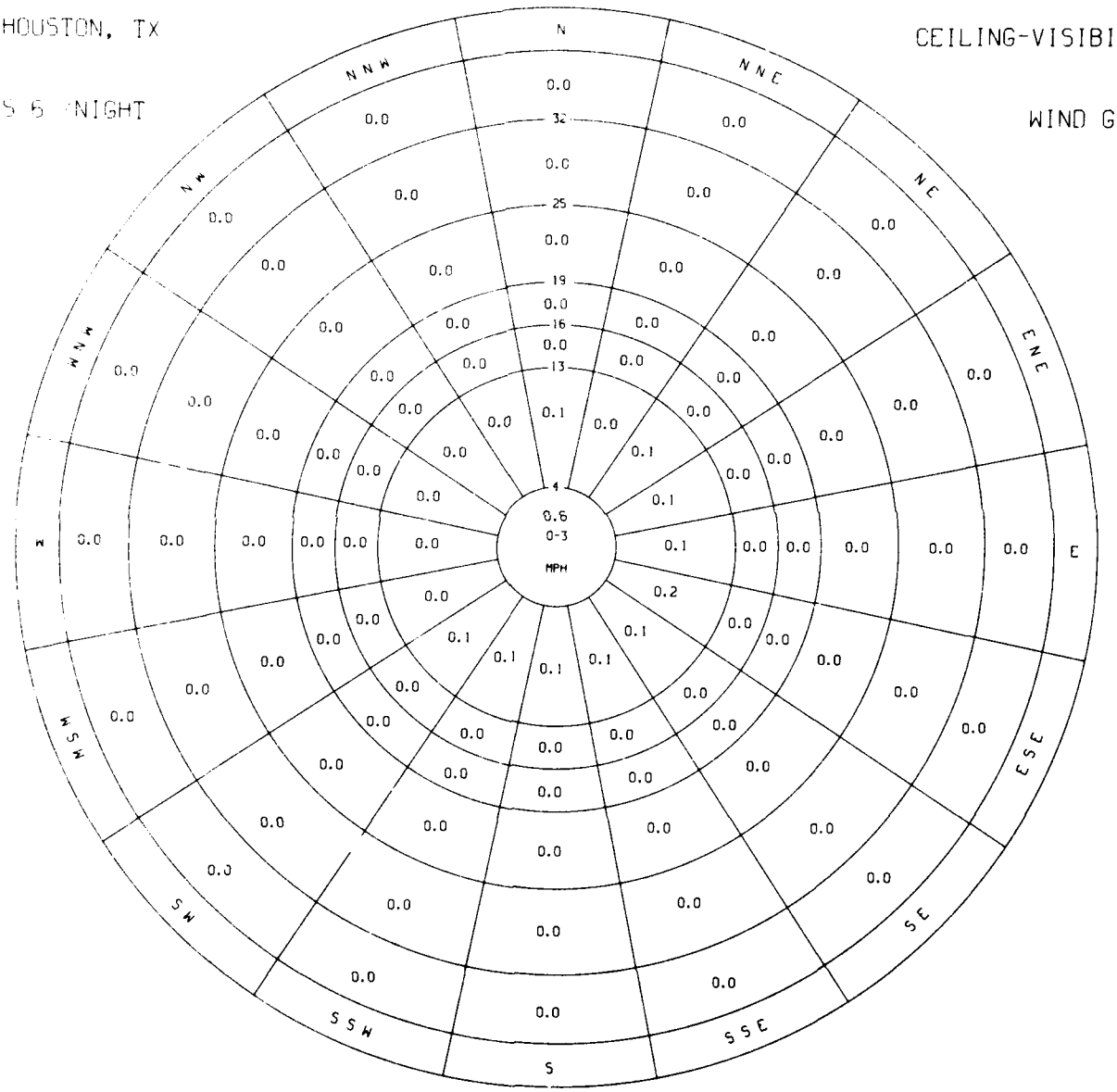
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.3	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	3.8
NNE	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	5.3
NE	.0	4.7	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	4.3
ENE	.0	.6	.0	10.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.2	6.9
E	.0	1.2	.0	6.4	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	8.1	7.5
ESE	.0	1.7	.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.8	6.5
SE	.0	2.3	.0	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.9	6.5
SSE	.0	1.2	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	5.1
S	.0	1.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	5.9
SSW	.0	.6	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	6.8
SW	.0	1.7	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.0
WSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	7.0
W	.0	3.5	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	2.9
WNW	.0	1.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	4.0
NW	.0	2.9	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	3.6
NNW	.0	1.2	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	5.5
CALM	.0	9.3													.0	9.3	
TOTAL	.2	37.8	.3	59.9	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.4	100	5.2

HOU HOUSTON, TX

CLASS 5 NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: HOU HOUSTON, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 12918

NO. OBS.: 593

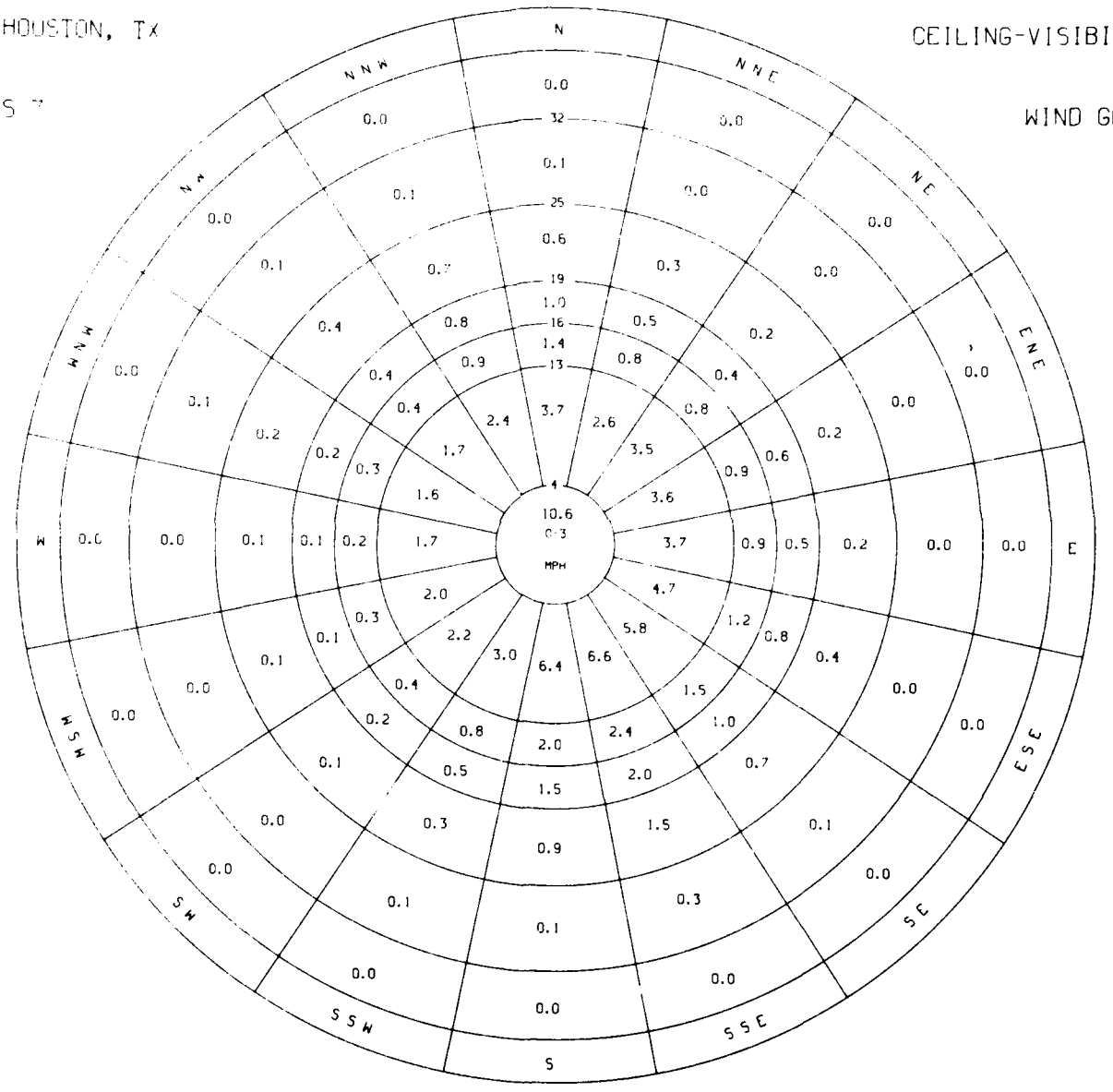
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.2	.1	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	6.0
NNE	.0	1.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.7
NE	.0	1.0	.1	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	5.3
ENE	.0	2.7	.1	4.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.6	6.2
E	.1	4.7	.1	7.4	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.2	12.6	5.8
ESE	.1	3.4	.2	8.6	.0	1.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	13.2	7.1
SE	.0	2.2	.1	7.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.8	6.8
SSE	.0	1.5	.1	5.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	6.5
S	.0	1.9	.1	5.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.6	6.1
SSW	.0	.7	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	6.0
SW	.0	1.0	.1	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	5.8
WSW	.0	.7	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.0	5.4
W	.0	.3	.0	2.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.5	6.8
WNW	.0	.7	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.3
NW	.0	1.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.6
NNW	.0	.5	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.1
CALM	.2	10.3													.2	10.3	
TOTAL	.6	34.7	1.1	62.1	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.0	1.8	100	5.6

HOU HOUSTON, TX

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

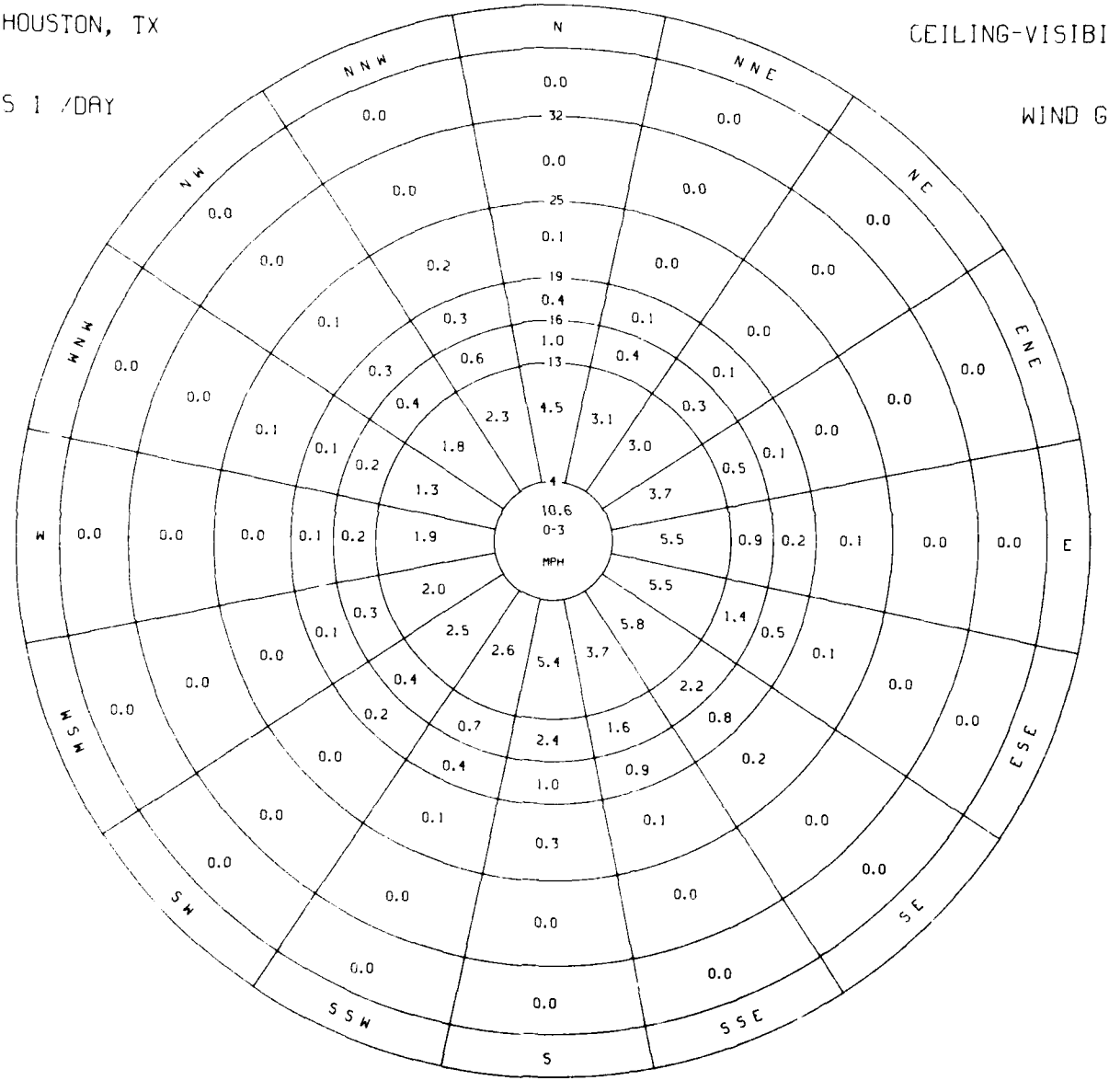


IAH HOUSTON, TX

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 1 / DAY

STATION NUMBER: 12960

NO. OBS.: 12443

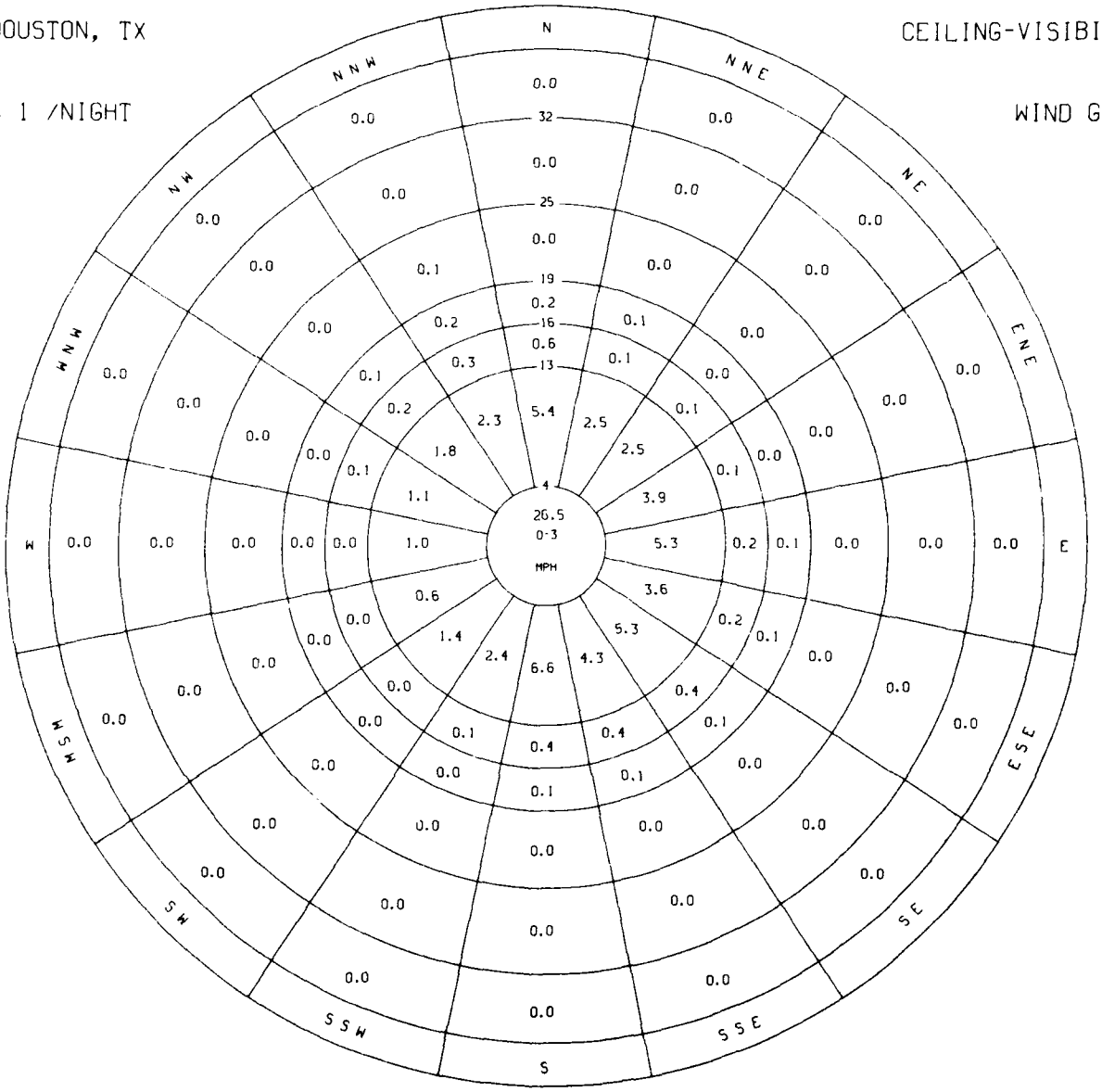
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.8	.9	4.5	5.2	1.0	1.1	.4	.5	.1	.1	.0	.0	.0	.0	6.8	7.9	9.0
NNE	.6	.7	3.1	3.6	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.2	4.9	7.8
NE	.8	.9	3.0	3.5	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.2	4.9	7.4
ENE	.7	.8	3.7	4.4	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	5.0	5.8	7.5
E	.4	.5	5.5	6.4	.9	1.0	.2	.3	.1	.1	.0	.0	.0	.0	7.1	8.3	8.7
ESE	.3	.4	5.5	6.5	1.4	1.6	.5	.6	.1	.1	.0	.0	.0	.0	7.9	9.2	10.0
SE	.3	.3	5.8	6.7	2.2	2.5	.8	1.0	.2	.2	.0	.0	.0	.0	9.3	10.8	10.8
SSE	.2	.2	3.7	4.3	1.6	1.8	.9	1.0	.1	.1	.0	.0	.0	.0	6.5	7.6	11.2
S	.4	.5	5.4	6.2	2.4	2.7	1.0	1.2	.3	.3	.0	.0	.0	.0	9.4	11.0	10.8
SSW	.2	.2	2.6	3.1	.7	.8	.4	.4	.1	.1	.0	.0	.0	.0	4.0	4.7	9.9
SW	.3	.3	2.5	2.9	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	3.5	4.0	8.8
WSW	.3	.4	2.0	2.4	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	2.7	3.1	8.0
W	.4	.5	1.9	2.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.6	3.1	7.8
WNW	.4	.4	1.3	1.5	.2	.2	.1	.2	.1	.1	.0	.0	.0	.0	2.1	2.5	8.7
NW	.4	.4	1.8	2.1	.4	.5	.3	.3	.1	.1	.0	.0	.0	.0	2.9	3.4	9.4
NNW	.3	.4	2.3	2.7	.6	.7	.3	.4	.2	.2	.0	.0	.0	.0	3.8	4.4	10.0
CALM	3.8	4.4													3.8	4.4	
TOTAL	10.6	12.4	54.7	63.8	13.3	15.5	5.6	6.6	1.4	1.7	.1	.1	.0	.0	85.7	100	9.0

IAH HOUSTON, TX

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 1 / NIGHT

STATION NUMBER: 12960

NO. OBS.: 9538

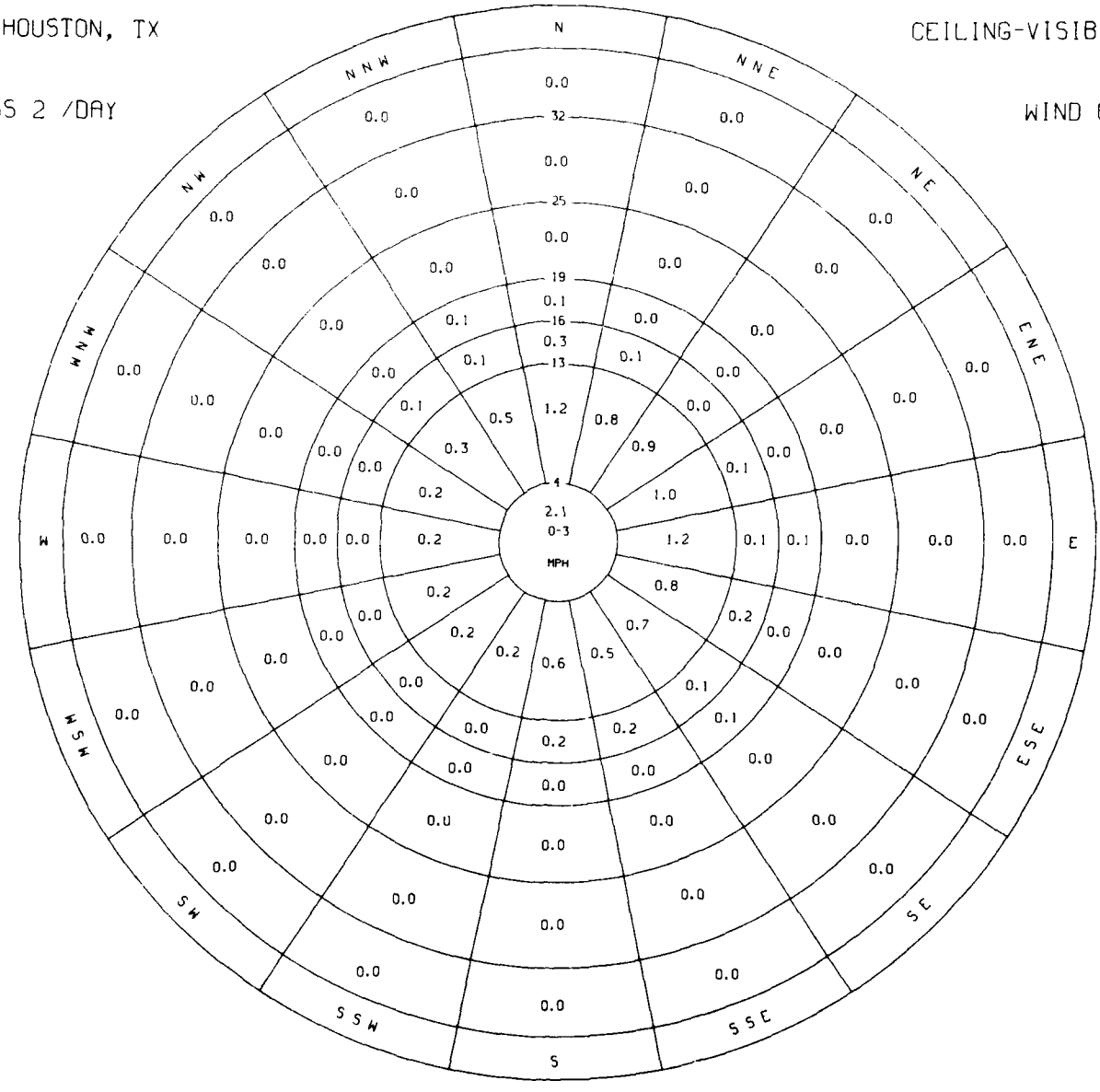
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.5	1.8	5.4	6.6	.6	.7	.2	.2	.0	.0	.0	.0	.0	.0	7.6	9.4	7.2
NNE	.9	1.2	2.5	3.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	3.6	4.5	6.2
NE	1.4	1.7	2.5	3.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.9	5.4
ENE	1.3	1.6	3.9	4.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.5	5.7
E	1.1	1.4	5.3	6.5	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.7	8.3	6.5
ESE	.4	.4	3.6	4.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	4.3	5.3	7.6
SE	.4	.5	5.3	6.5	.4	.5	.1	.2	.0	.1	.0	.0	.0	.0	6.2	7.7	8.0
SSE	.3	.4	4.3	5.3	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	5.2	6.4	8.0
S	.6	.8	6.6	8.1	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	7.8	9.6	7.6
SSW	.4	.5	2.4	3.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	3.6	6.4
SW	.6	.7	1.4	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.5	5.5
WSW	.5	.6	.6	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	5.1
W	.6	.7	1.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.9	5.1
WNW	.9	1.1	1.1	1.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.7	5.4
NW	1.1	1.3	1.8	2.2	.2	.3	.1	.1	.0	.1	.0	.0	.0	.0	3.2	3.9	6.5
NNW	.7	.8	2.3	2.9	.3	.?	.2	.2	.1	.1	.0	.0	.0	.0	3.5	4.3	7.7
CALM	13.9	17.1													13.9	17.1	
TOTAL	26.5	32.7	50.0	61.7	3.1	3.8	1.2	1.4	.3	.4	.0	.0	.0	.0	81.1	100	5.6

IAH HOUSTON, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 2 / DAY

STATION NUMBER: 12960

NO. OBS.: 2072

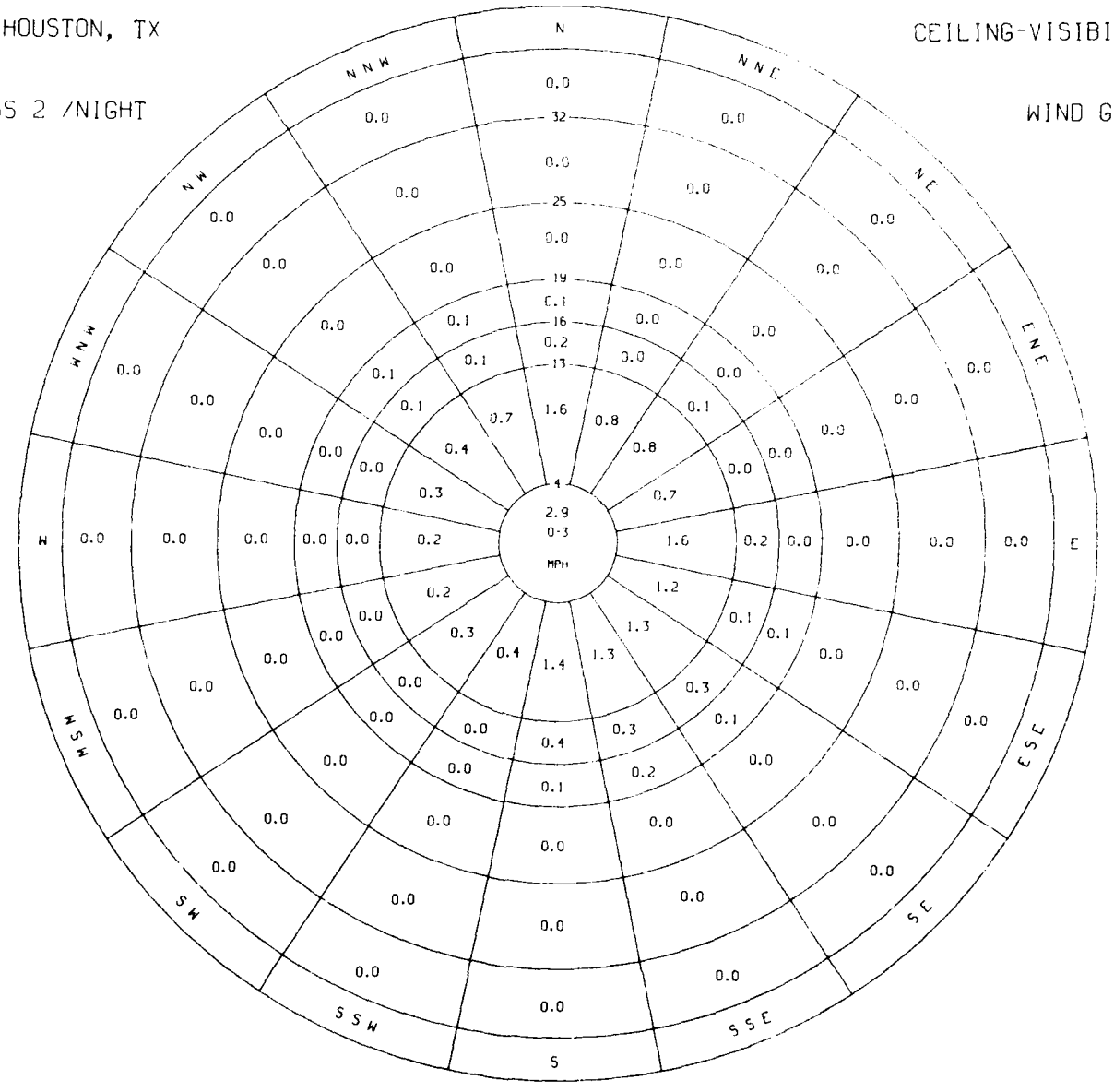
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	1.3	1.2	8.6	.3	1.8	.1	.5	.0	.1	.0	.0	.0	.0	1.8	12.4	8.8
NNE	.2	1.2	.8	5.9	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	1.1	7.8	7.6
NE	.2	1.6	.9	6.5	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	1.3	8.8	6.9
ENE	.1	.9	1.0	7.3	.1	.4	.0	.2	.0	.1	.0	.0	.0	.0	1.3	8.9	7.8
E	.1	.6	1.2	8.7	.1	1.0	.1	.5	.0	.2	.0	.0	.0	.0	1.6	11.0	8.9
ESE	.0	.1	.8	5.9	.2	1.7	.0	.2	.0	.1	.0	.0	.0	.0	1.2	8.1	9.8
SE	.0	.3	.7	5.1	.1	.9	.1	.4	.0	.2	.0	.0	.0	.0	1.0	6.9	9.3
SSE	.0	.3	.5	3.2	.2	1.2	.0	.3	.0	.1	.0	.0	.0	.0	.7	5.1	10.0
S	.1	.5	.6	4.5	.2	1.4	.0	.3	.0	.2	.0	.0	.0	.0	1.0	6.9	9.7
SSW	.1	.4	.2	1.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	8.1
SW	.1	.5	.2	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.0	8.0
WSW	.0	.3	.2	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.8	7.0
W	.0	.3	.2	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1	7.7
WNW	.0	.2	.2	1.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	7.4
NW	.0	.2	.3	2.1	.1	.5	.0	.2	.0	.2	.0	.0	.0	.0	.5	3.2	10.0
NNW	.0	.2	.5	3.7	.1	.6	.1	1.0	.0	.0	.0	.0	.0	.0	.8	5.6	10.3
CALM	.8	5.6													.8	5.6	
TOTAL	2.1	14.6	9.8	68.4	1.6	11.4	.6	4.2	.2	1.4	.0	.0	.0	.0	14.3	100	8.2

IAH HOUSTON, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 2 / NIGHT

STATION NUMBER: 12960

NO. OBS.: 2227

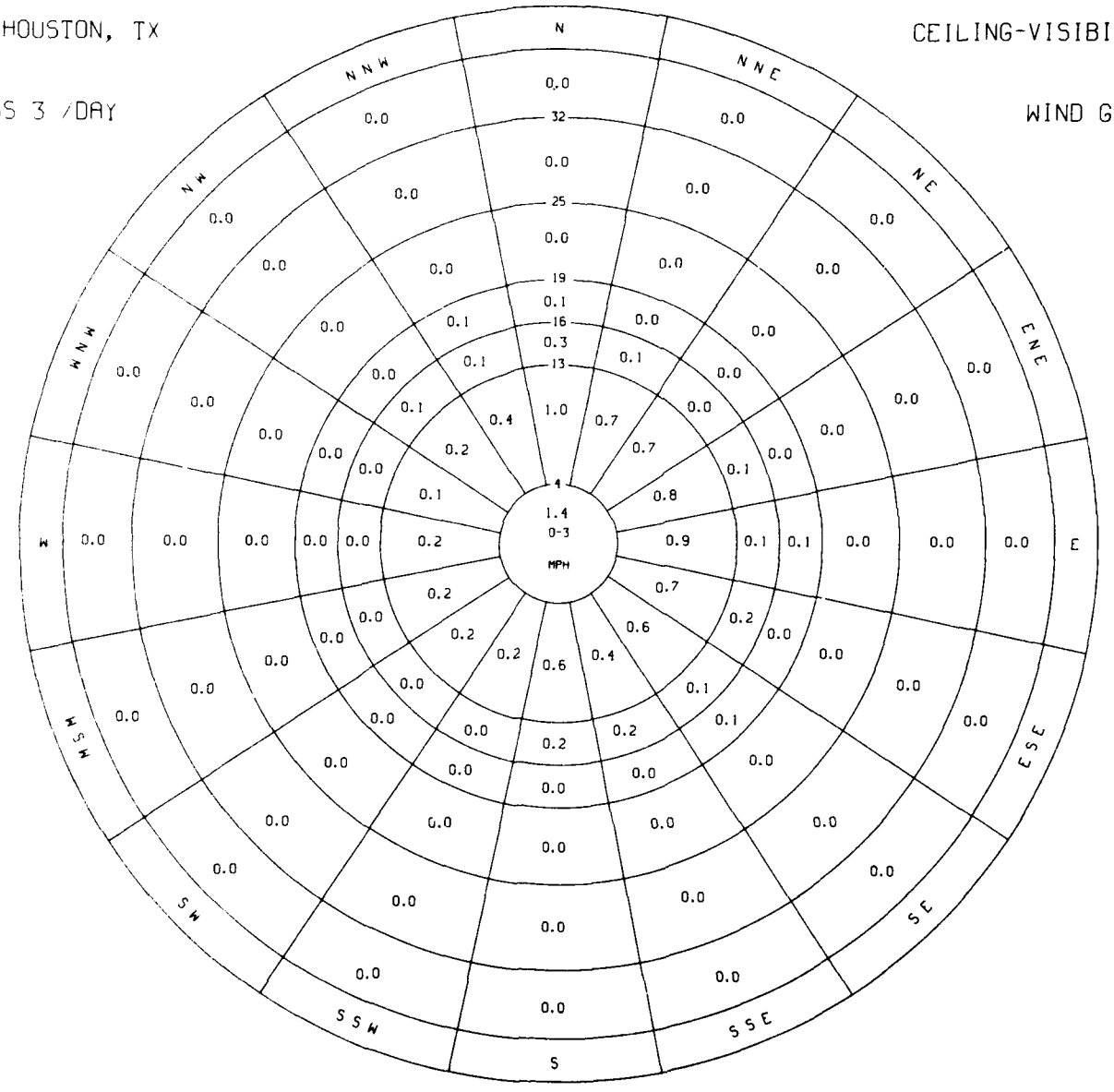
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.9	1.6	8.4	.2	1.0	.1	.4	.0	.0	.0	.0	.0	.0	2.0	10.8	8.8
NNE	.2	.9	.8	4.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.3	7.0
NE	.2	1.0	.8	4.2	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.1	5.7	7.0
ENE	.2	1.2	.7	3.9	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.0	5.4	6.6
E	.2	1.1	1.6	8.2	.2	1.0	.0	.2	.0	.1	.0	.0	.0	.0	2.0	10.7	8.0
ESE	.1	.5	1.2	6.6	.1	.8	.1	.3	.0	.1	.0	.0	.0	.0	1.6	8.2	8.8
SE	.0	.2	1.3	6.7	.3	1.6	.1	.4	.0	.0	.0	.0	.0	.0	1.7	8.9	9.2
SSE	.1	.4	1.3	6.9	.3	1.5	.2	.9	.0	.0	.0	.0	.0	.0	1.9	9.8	9.8
S	.1	.5	1.4	7.4	.4	2.0	.1	.5	.0	.1	.0	.0	.0	.0	2.0	10.6	9.8
SSW	.0	.2	.4	1.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.5	2.6	9.1
SW	.1	.4	.3	1.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.5	7.6
WSW	.1	.3	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.5	6.4
W	.0	.2	.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.2	6.9
WNW	.0	.1	.3	1.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.3	1.8	9.0
NW	.1	.3	.4	2.0	.1	.3	.1	.3	.0	.0	.0	.0	.0	.0	.6	3.0	9.0
NNW	.1	.5	.7	3.9	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	1.0	5.5	9.2
CALM	1.2	6.6													1.2	6.6	
TOTAL	2.9	15.4	13.2	69.5	1.9	10.0	.8	4.0	.2	.8	.0	.2	.0	.0	18.9	100	8.0

IAH HOUSTON, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, Tx

PERIOD: 1970-1978

CLASS 3 / DAY

STATION NUMBER: 12960

NO. OBS.: 1685

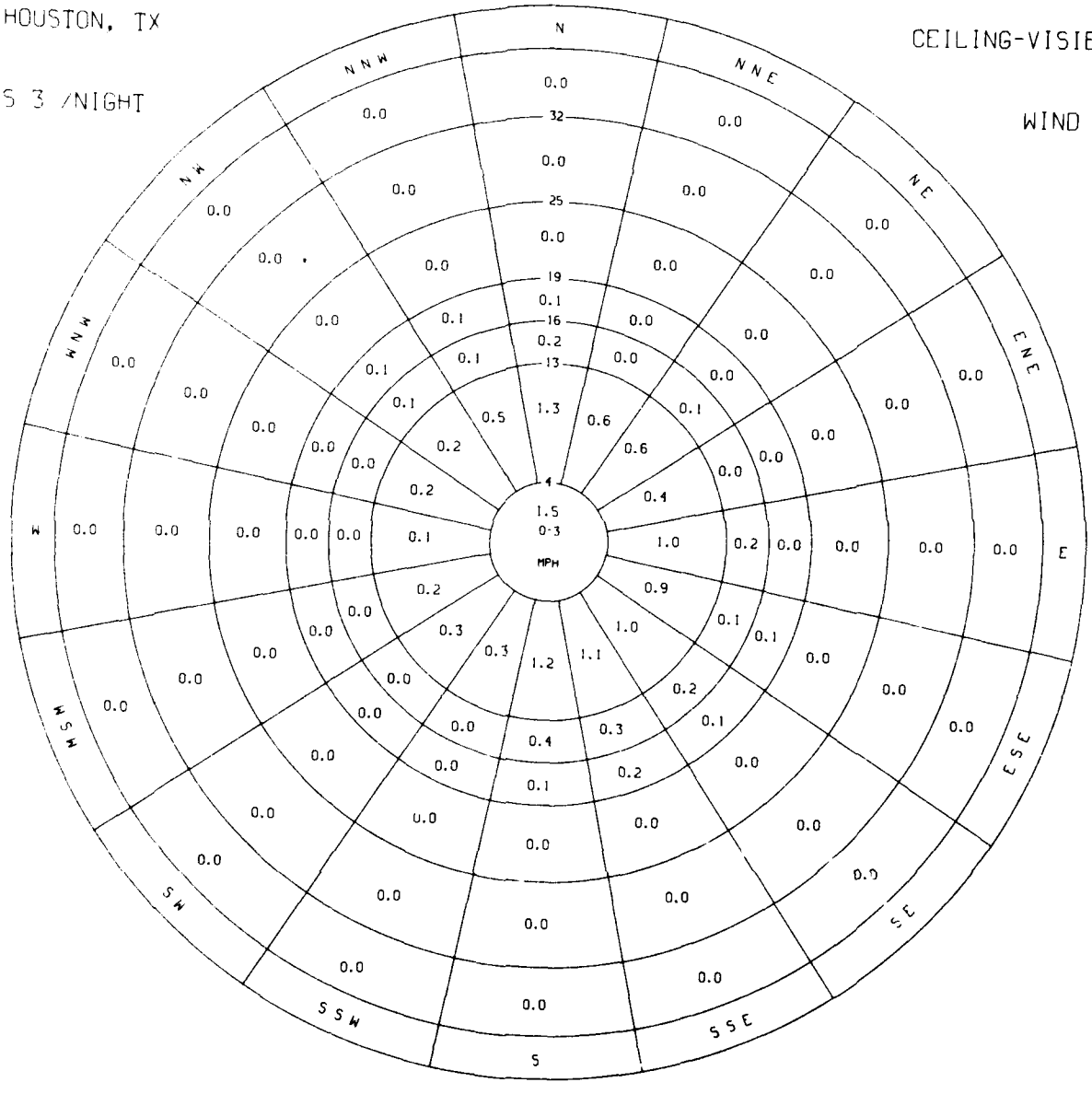
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	1.1	1.0	8.8	.3	2.2	.1	.6	.0	.1	.0	.0	.0	.0	1.5	12.8	9.4
N N E	.1	.9	.7	6.3	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.9	7.9	7.8
N E	.2	1.5	.7	5.7	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.9	8.1	7.3
E N E	.1	.7	.8	6.9	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	1.0	8.5	8.2
E	.1	.5	.9	7.5	.1	1.2	.1	.6	.0	.2	.0	.0	.0	.0	1.2	10.1	9.6
E S E	.0	.1	.7	5.9	.2	2.0	.0	.3	.0	.1	.0	.0	.0	.0	1.0	8.3	10.2
S E	.0	.2	.6	5.1	.1	1.1	.1	.5	.0	.2	.0	.0	.0	.0	.8	7.1	10.0
S S E	.0	.3	.4	3.6	.2	1.4	.0	.4	.0	.1	.0	.0	.0	.0	.7	5.9	10.3
S	.1	.5	.6	4.9	.2	1.6	.0	.4	.0	.2	.0	.0	.0	.0	.9	7.7	10.0
S S W	.0	.4	.2	1.5	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.3	8.7
S W	.1	.5	.2	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.3	8.3
W S W	.0	.2	.2	1.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.8	7.4
W	.0	.3	.2	1.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.0	8.3
W N W	.0	.2	.1	1.2	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.5	7.5
N W	.0	.2	.2	2.0	.1	.5	.0	.3	.0	.2	.0	.0	.0	.0	.4	3.2	10.1
N N W	.0	.2	.4	3.7	.1	.8	.1	1.2	.0	.1	.0	.0	.0	.0	.7	5.9	10.9
C A L M	.5	4.7													.5	4.7	
T O T A L	1.4	12.4	7.8	67.3	1.6	13.6	.6	5.1	.2	1.5	.0	.0	.0	.0	11.6	100	8.7

IAH HOUSTON, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, Tx

PERIOD: 1970-1978

CLASS 3 / NIGHT

STATION NUMBER: 12960

NO. OBS.: 1666

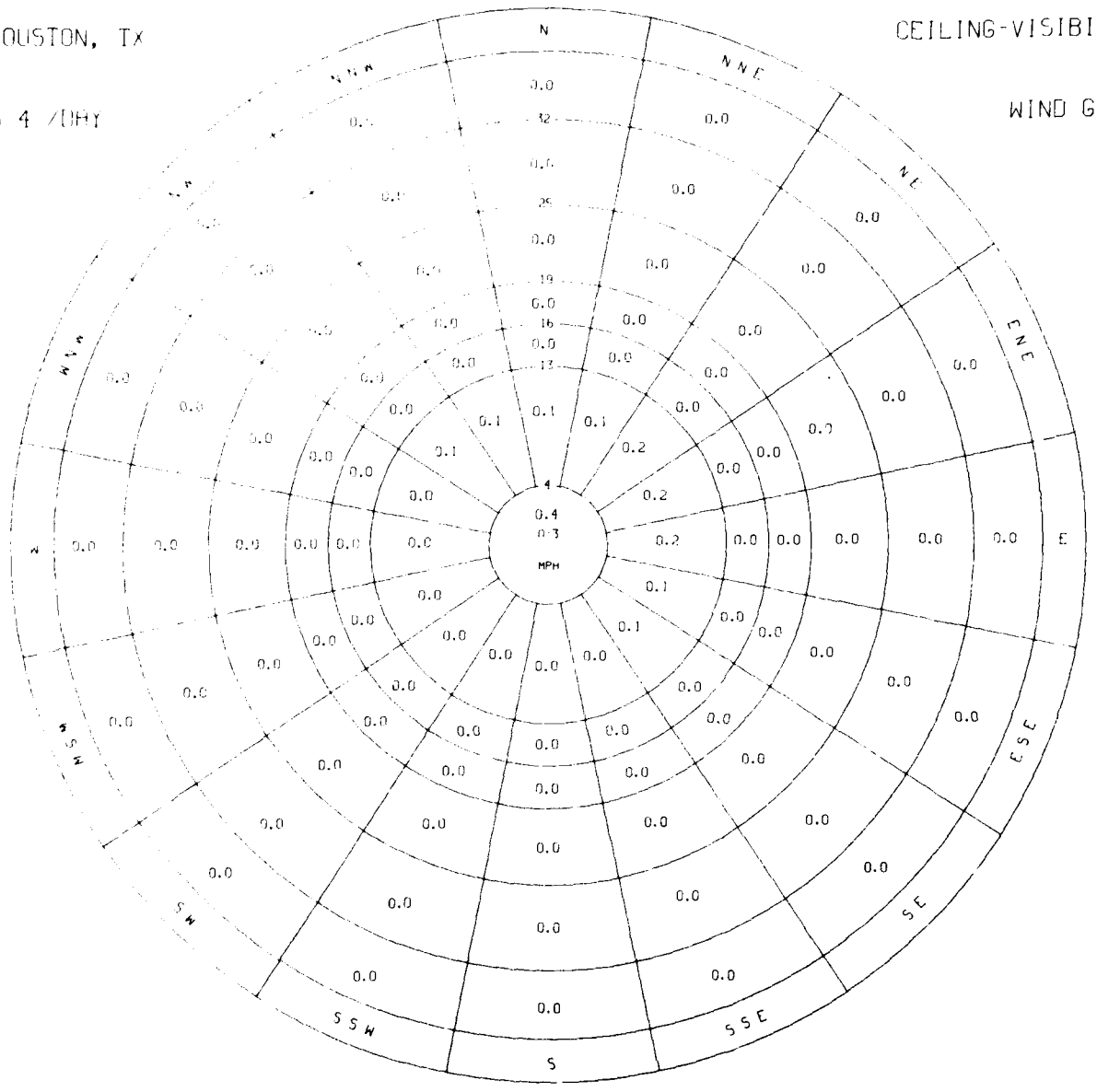
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13 15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.8	1.3	8.9	.2	1.1	.1	.6	.0	.1	.0	.1	.0	.0	1.6	11.5	9.1
NNE	.1	.5	.6	4.5	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.8	5.5	7.8
NE	.1	.8	.6	4.5	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.8	5.9	7.5
ENE	.1	.8	.4	2.9	.0	.2	.0	.1	.0	.0	.0	.1	.0	.0	.6	4.1	7.6
E	.1	.5	1.0	7.1	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.0	1.3	9.2	8.9
ESE	.1	.4	.9	6.5	.1	.7	.1	.4	.0	.1	.0	.0	.0	.0	1.1	8.0	9.3
SE	.0	.1	1.0	6.9	.2	1.7	.1	.4	.0	.1	.0	.0	.0	.0	1.3	9.2	9.7
SSE	.1	.4	1.1	7.9	.3	2.0	.2	1.3	.0	.1	.0	.0	.0	.0	1.6	11.6	10.3
S	.1	.5	1.2	8.8	.4	2.6	.1	.7	.0	.2	.0	.0	.0	.0	1.8	12.8	10.1
SSW	.0	.2	.3	2.4	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.1	9.4
SW	.1	.4	.3	2.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.4	2.6	7.7
WSW	.0	.2	.2	1.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.5	6.7
W	.0	.1	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	7.6
WNW	.0	.1	.2	1.1	.0	.1	.0	.0	.0	.2	.0	.1	.0	.0	.2	1.6	10.6
NW	.0	.2	.2	1.7	.1	.4	.1	.4	.0	.0	.0	.1	.0	.0	.4	2.8	9.8
NNW	.0	.3	.5	3.7	.1	.8	.1	.5	.0	.1	.0	.0	.0	.0	.8	5.4	10.1
CALM	.6	4.0													.6	4.0	
TOTAL	1.5	10.6	10.0	70.9	1.7	11.9	.7	5.3	.1	1.0	.0	.3	.0	.0	14.2	100	8.9

IAH HOUSTON, TX

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 4 / DAY

STATION NUMBER: 12960

NO. OBS.: 237

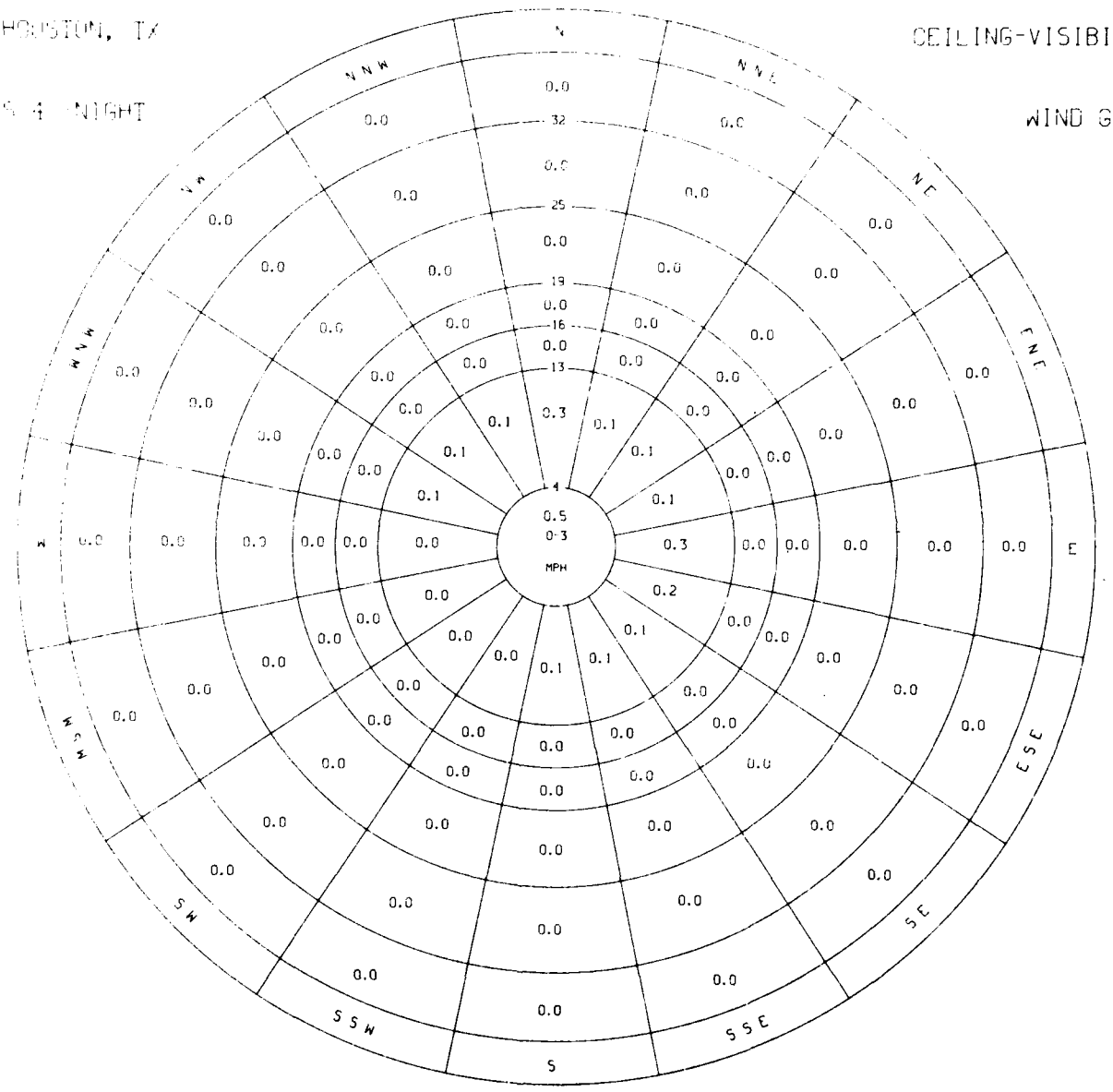
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.7	.1	7.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.3	5.8
NNE	.0	2.5	.1	5.9	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.2	9.3	7.0
NE	.0	2.1	.2	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	13.1	5.6
ENE	.0	1.7	.2	9.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.4	6.3
E	.0	.8	.2	10.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.0	7.7
ESE	.0	.4	.1	6.8	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.1	8.0	8.9
SE	.0	.8	.1	4.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.9	6.9
SSE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.8
S	.0	.8	.0	2.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	7.5
SSW	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.2
SW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	9.0
WSW	.0	.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.6
W	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.0
WNW	.0	.4	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.0
NW	.0	.0	.1	3.4	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.1	4.2	9.5
NNW	.0	.8	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	7.4
CALM	.1	8.9													.1	8.9	
TOTAL	.4	22.8	1.2	73.8	.0	2.1	.0	.0	.0	1.3	.0	.0	.0	.0	1.6	100	6.3

IAH HOUSTON, TX

CLASS 4 NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 4 / NIGHT

STATION NUMBER: 12960

NO. OBS.: 272

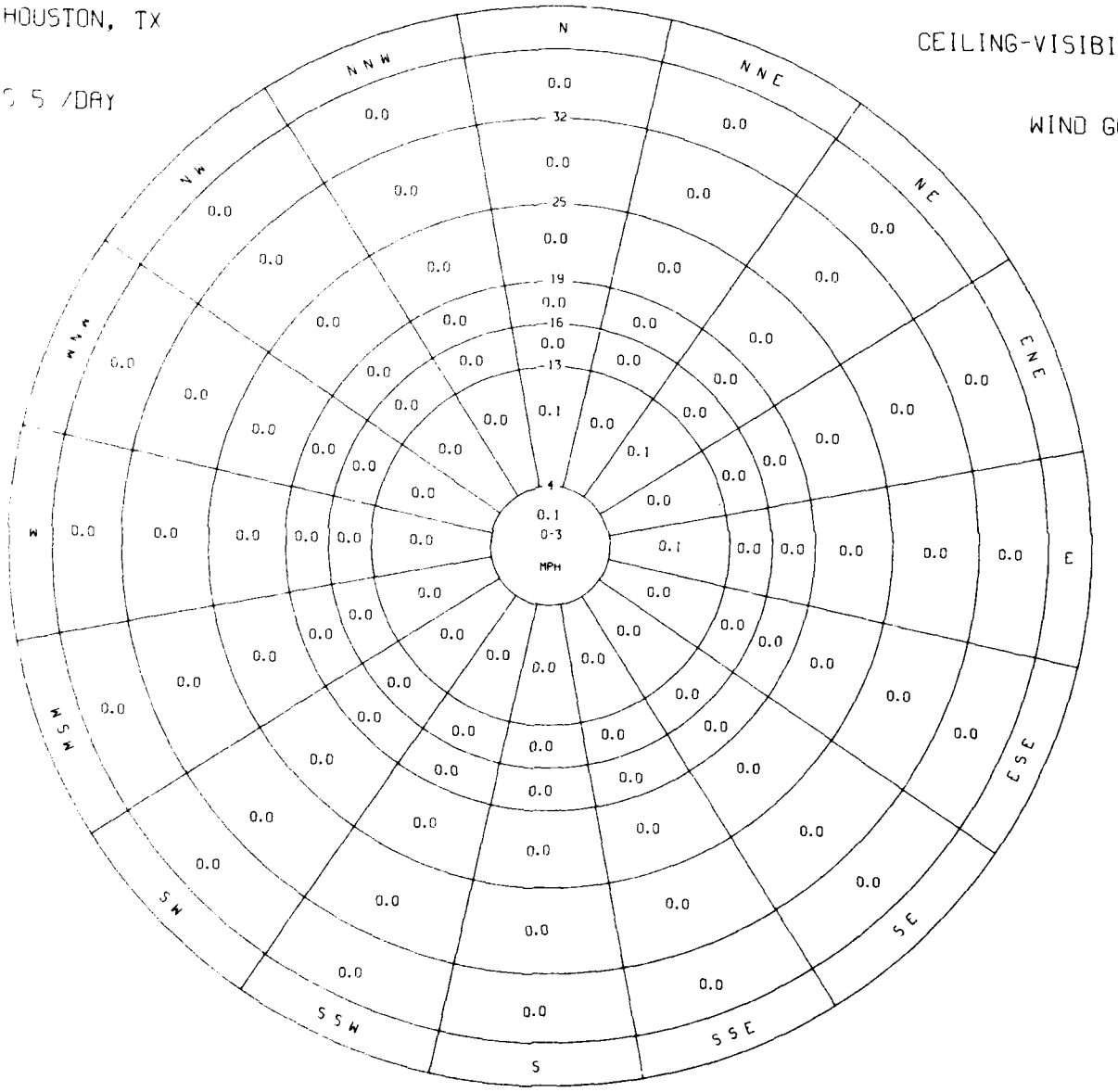
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.3	11.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.3	13.2	8.0
NNE	.0	1.8	.1	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.3	4.9
NE	.0	.4	.1	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	6.1
ENE	.0	1.8	.1	5.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.2	8.1	6.0
E	.1	2.9	.3	11.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.3	15.1	6.7
ESE	.0	1.1	.2	6.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.6	8.4
SE	.0	.0	.1	4.8	.0	1.5	.0	.4	.0	.0	.0	.0	.0	.0	.2	6.6	8.9
SSE	.0	.4	.1	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.4	6.3
S	.0	.7	.1	2.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	7.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.4	.0	1.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	2.6	7.7
WSW	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.8
W	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	4.0
WNW	.0	.4	.1	2.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.9	6.1
NW	.0	1.1	.1	2.9	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.1	4.4	7.4
NNW	.0	1.5	.1	5.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.2	8.1	7.4
CALM	.2	9.2													.2	9.2	
TOTAL	.5	23.5	1.6	68.0	.2	7.4	.0	.7	.0	.4	.0	.0	.0	.0	2.3	100	6.4

IAH HOUSTON, TX

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, Tx

PERIOD: 1970-1978

CLASS F / DAY

STATION NUMBER: 12960

NO. OBS.: 63

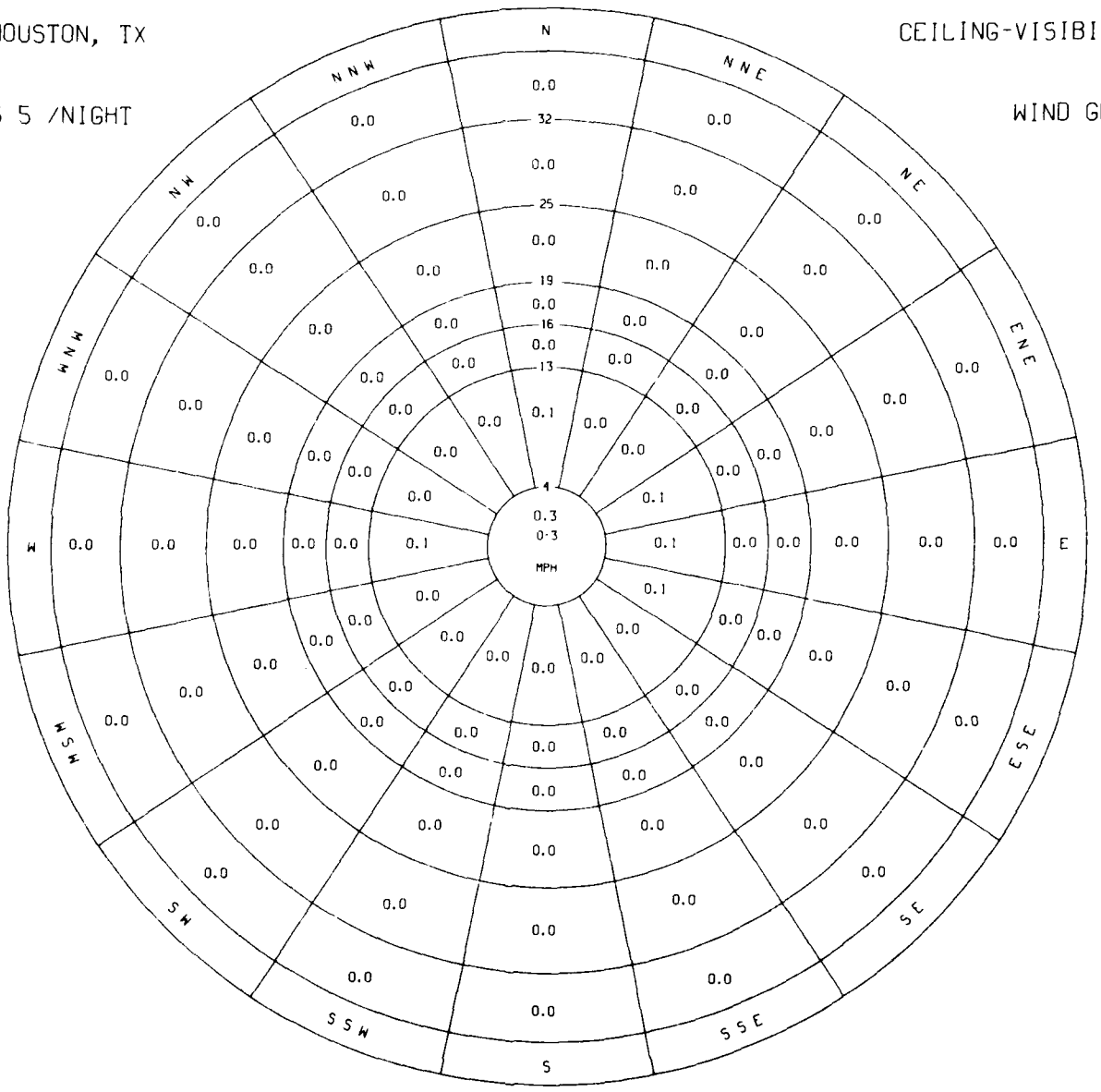
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.1	12.7	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.1	14.3	7.1
NNE	.0	3.2	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	4.0
NE	.0	1.6	.1	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	15.9	5.7
ENE	.0	1.6	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.0
E	.0	.0	.1	19.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	19.0	7.3
ESE	.0	1.6	.0	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	5.5
SE	.0	3.2	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	5.5
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.5
SSW	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	5.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.0
WNW	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	8.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.0
CALM	.0	4.8													.0	4.8	
TOTAL	.1	17.5	.4	81.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.4	100	5.9

IAH HOUSTON, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 5 / NIGHT

STATION NUMBER: 12960

NO. OBS.: 110

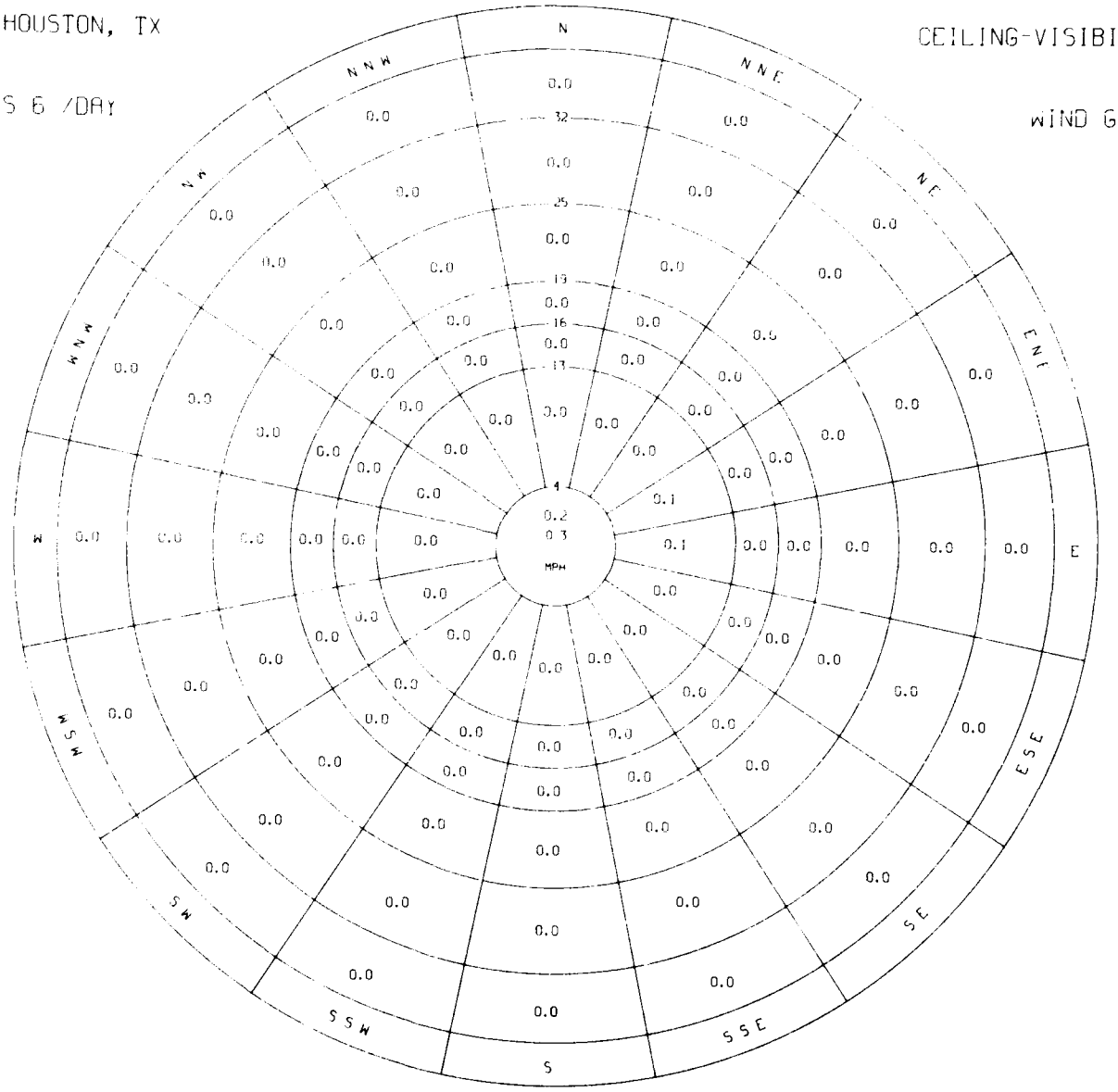
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.1	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3	6.9
NNE	.0	4.5	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3	3.9
NE	.0	3.6	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.4	4.1
ENE	.0	.9	.1	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.0	5.6
E	.0	.9	.1	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.7	7.3
ESE	.0	.0	.1	8.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.2	7.1
SE	.0	.9	.0	3.6	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.4	9.3
SSE	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.0
S	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.7
SSW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	12.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.5
W	.0	.0	.1	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.5	7.5
WNW	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	7.0
NW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	7.0
NNW	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	5.6
CALM	.1	15.5													.1	15.5	
TOTAL	.3	27.3	.7	70.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.9	100	5.5

IAH HOUSTON, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 6 / DAY

STATION NUMBER: 12960

NO. OBS.: 87

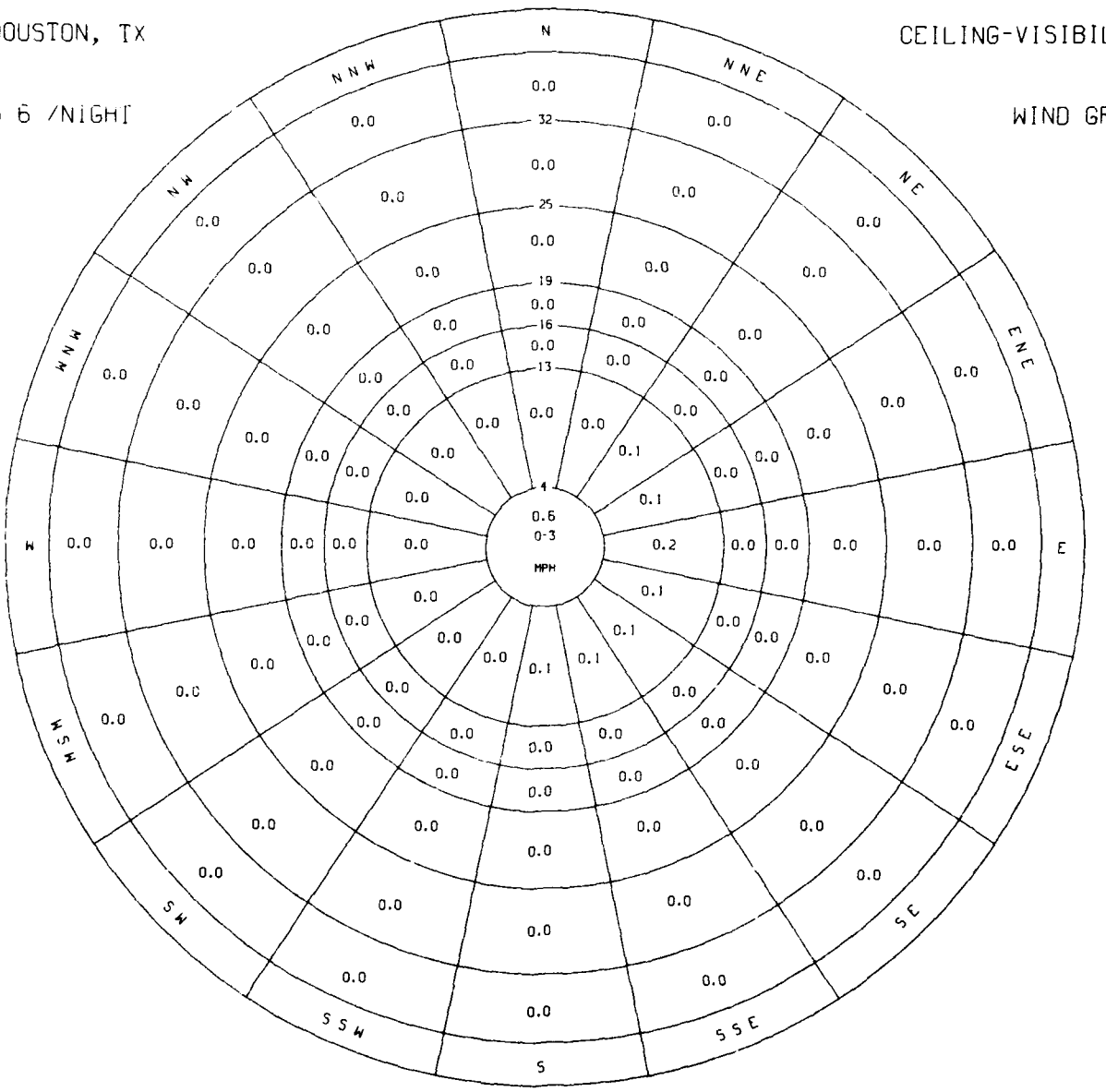
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	4.6	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.3	4.8
N N E	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.5
N E	.0	2.3	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.9	4.5
E N E	.0	1.1	.1	11.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.6	5.7
E	.0	3.4	.1	19.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	23.0	5.8
E S E	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	5.0
S E	.0	.0	.0	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	6.0
S S E	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
S	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.3
S S W	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
S W	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
W S W	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
W	.0	1.1	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.7
W N W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
N W	.0	.0	.0	2.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	9.3
N N W	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	5.7
[illegible] M	.1	13.8													.1	13.8	
[illegible] T A	.2	33.3	.4	65.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	100	4.7

IAH HOUSTON, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: IAH HOUSTON, TX

PERIOD: 1970-1978

CLASS 6 / NIGHT

STATION NUMBER: 12960

NO. OBS.: 179

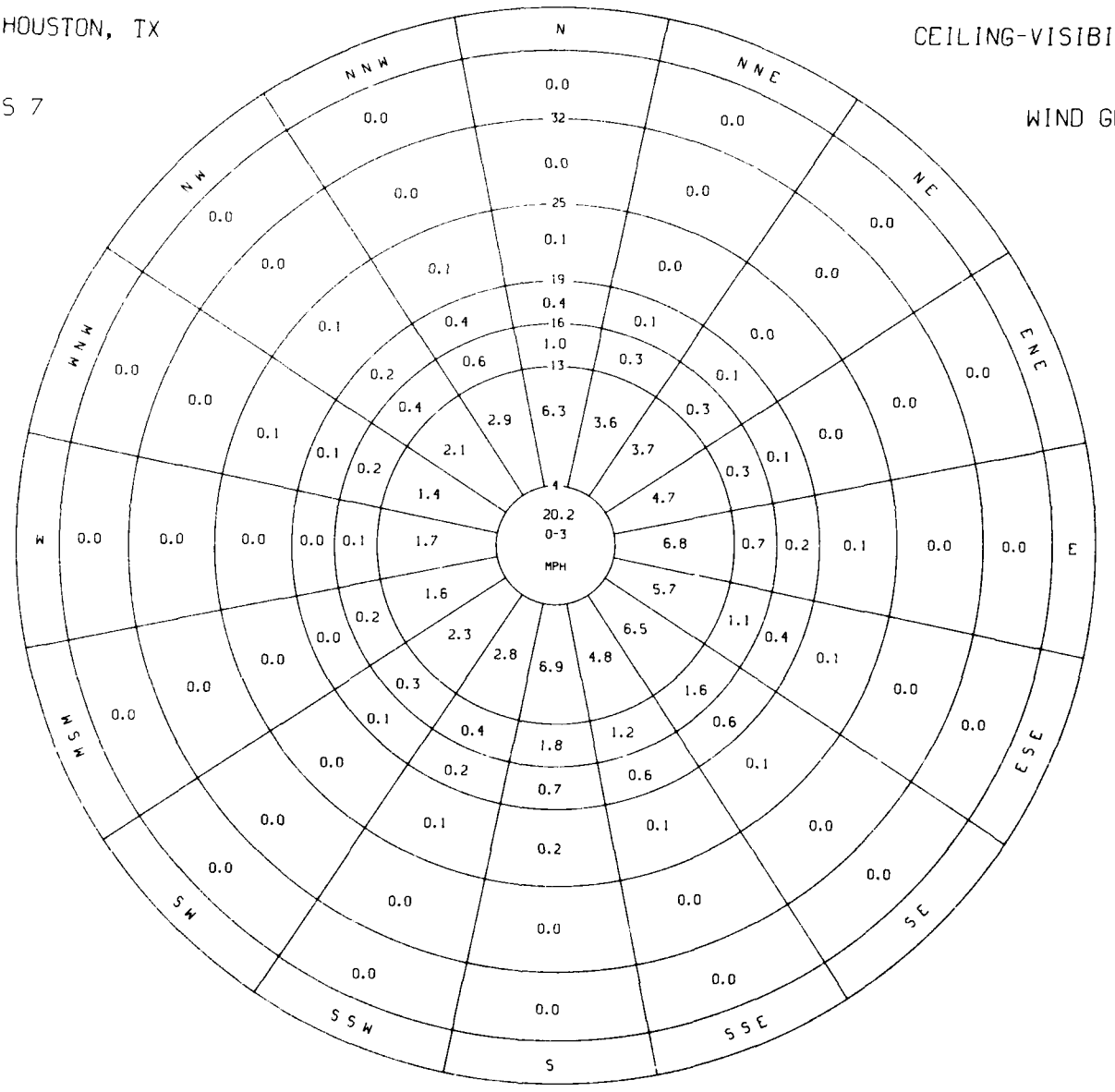
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.7	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	5.4
NNE	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.0
NE	.0	2.2	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3	4.7
ENE	.1	3.9	1	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.2	4.5
E	.1	3.9	.2	11.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.2	16.2	5.5
ESE	.0	1.1	.1	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.8	6.0
SE	.0	1.1	.1	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.6	6.3
SSE	.0	.6	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	5.8
S	.0	.6	.1	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.9	5.3
SSW	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	4.5
SW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.2
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
W	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
WNW	.0	.6	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.7
NW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
NNW	.0	1.1	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	4.5
CALM	.3	20.7													.3	20.7	
TOTAL	.6	40.8	.9	58.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	100	4.2

IAH HOUSTON, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

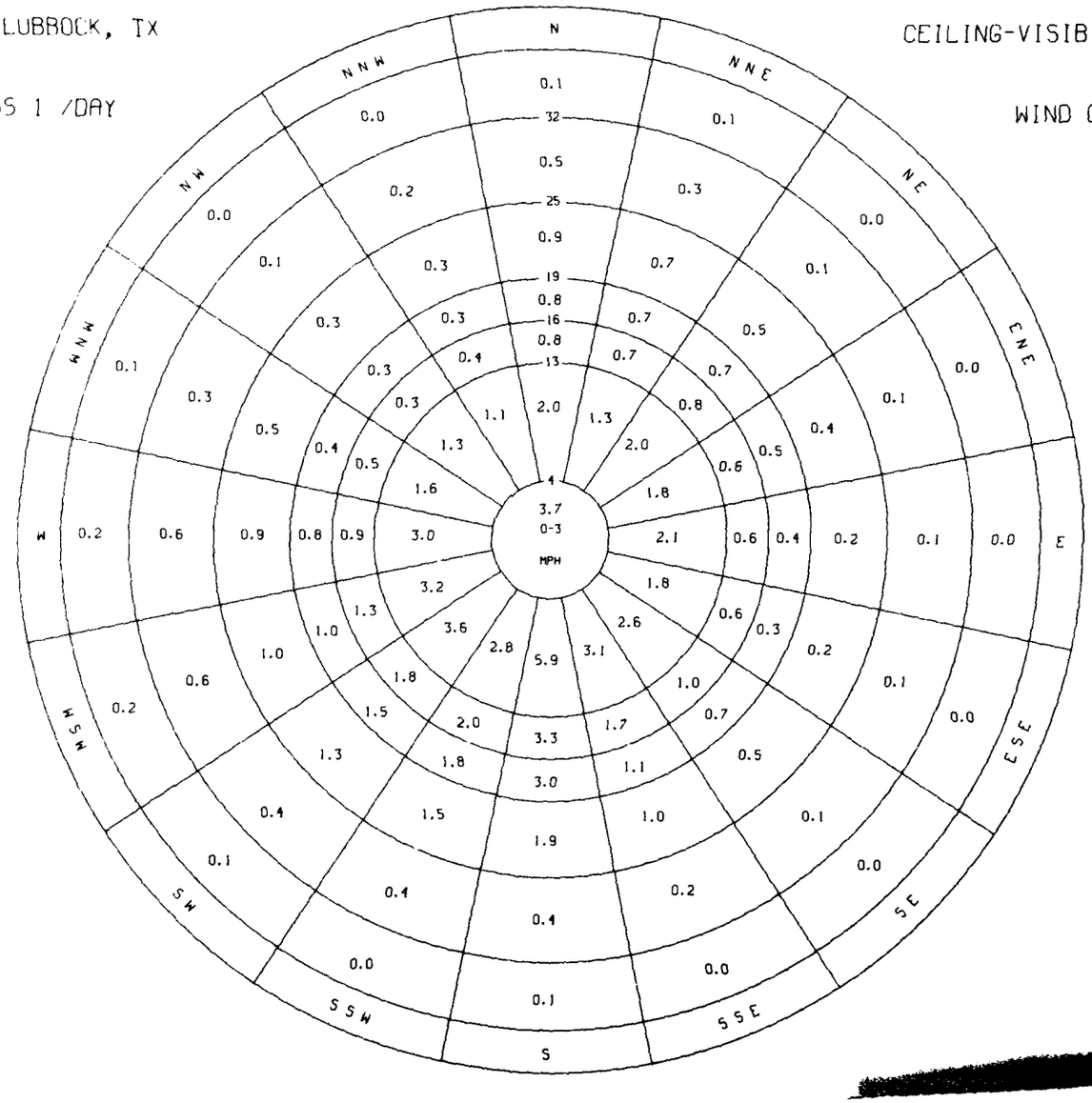


LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 23042

NO. OBS.: 44313

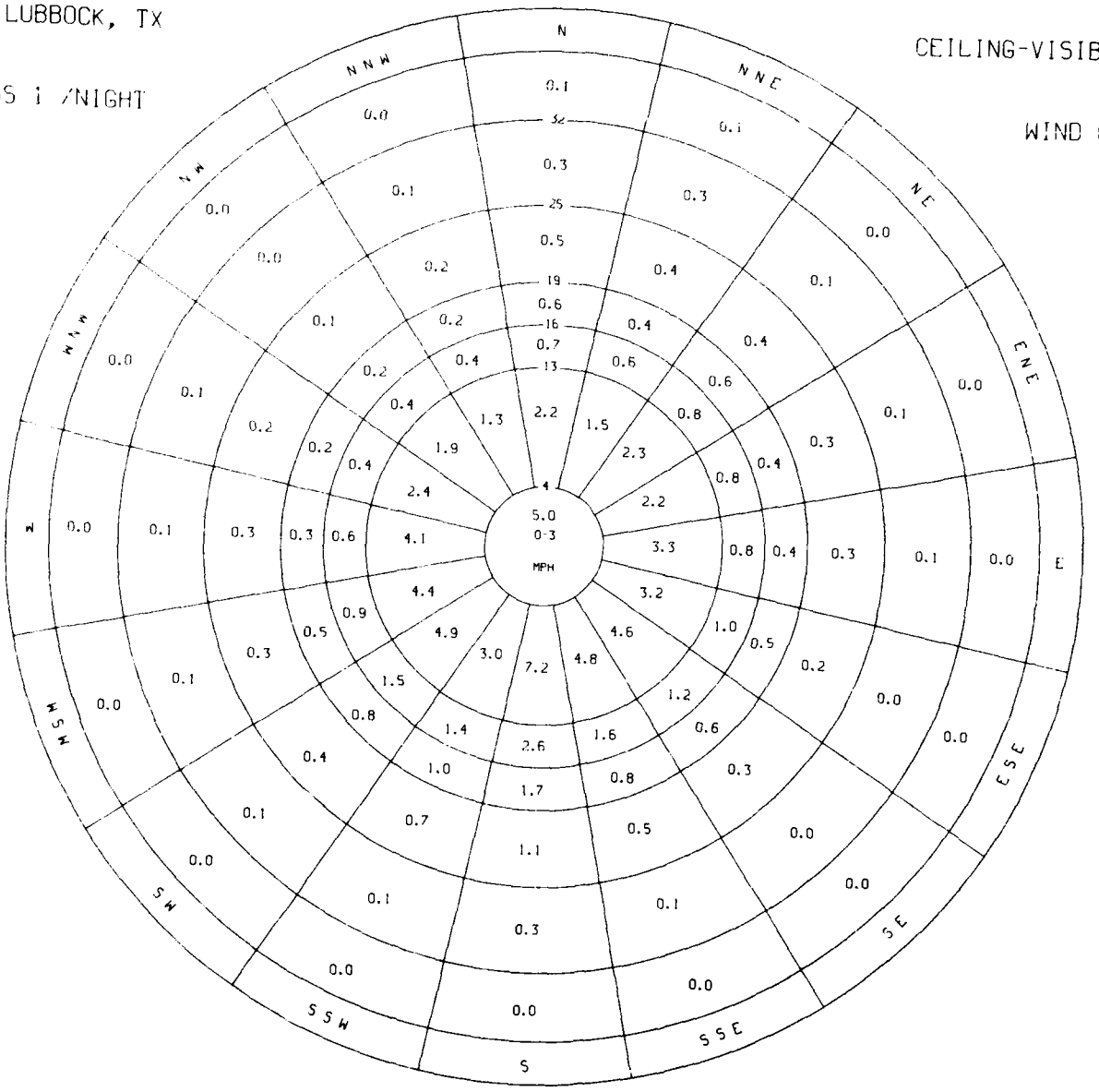
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.1	2.0	2.1	.8	.9	.8	.9	.9	1.0	.5	.6	.1	.1	5.2	5.7	15.4
NNE	.1	.1	1.3	1.4	.7	.7	.7	.7	.7	.8	.3	.4	.1	.1	3.8	4.1	15.5
NE	.1	.1	2.0	2.1	.8	.9	.7	.8	.5	.5	.1	.2	.0	.0	4.3	4.6	13.3
ENE	.0	.1	1.8	1.9	.6	.7	.5	.5	.4	.4	.1	.1	.0	.0	3.4	3.7	12.8
E	.1	.1	2.1	2.3	.6	.7	.4	.5	.2	.3	.1	.1	.0	.0	3.6	3.9	11.5
ESE	.1	.1	1.8	1.9	.6	.6	.3	.4	.2	.2	.1	.1	.0	.0	3.0	3.3	11.8
SE	.1	.1	2.6	2.8	1.0	1.1	.7	.8	.5	.5	.1	.1	.0	.0	4.9	5.4	12.4
SSE	.1	.1	3.1	3.4	1.7	1.8	1.1	1.2	1.0	1.1	.2	.3	.0	.0	7.2	7.8	13.7
S	.1	.2	5.9	6.5	3.3	3.6	3.0	3.2	1.9	2.1	.4	.5	.1	.1	14.7	16.0	13.9
SSW	.1	.1	2.8	3.1	2.0	2.2	1.8	1.9	1.5	1.7	.4	.4	.0	.0	8.6	9.4	14.9
SW	.1	.1	3.6	3.9	1.8	2.0	1.5	1.6	1.3	1.4	.4	.4	.1	.1	8.7	9.5	14.0
WSW	.1	.1	3.2	3.4	1.3	1.4	1.0	1.1	1.0	1.1	.6	.6	.2	.2	7.3	8.0	14.6
W	.1	.1	3.0	3.3	.9	1.0	.8	.9	.9	1.0	.6	.7	.2	.2	6.6	7.2	14.5
WNW	.1	.1	1.6	1.7	.5	.5	.4	.4	.5	.5	.3	.3	.1	.1	3.3	3.6	14.0
NW	.1	.1	1.3	1.4	.3	.4	.3	.3	.3	.3	.1	.1	.0	.0	2.4	2.7	12.4
NNW	.1	.1	1.1	1.2	.4	.4	.3	.3	.3	.3	.2	.2	.0	.0	2.3	2.5	13.8
CALM	2.2	2.4													2.2	2.4	
TOTAL	3.7	4.0	38.9	42.5	17.2	18.8	14.3	15.6	11.9	13.0	4.5	4.9	.9	1.0	91.5	100	13.6

LBB LUBBOCK, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 23042

NO. OBS.: 35831

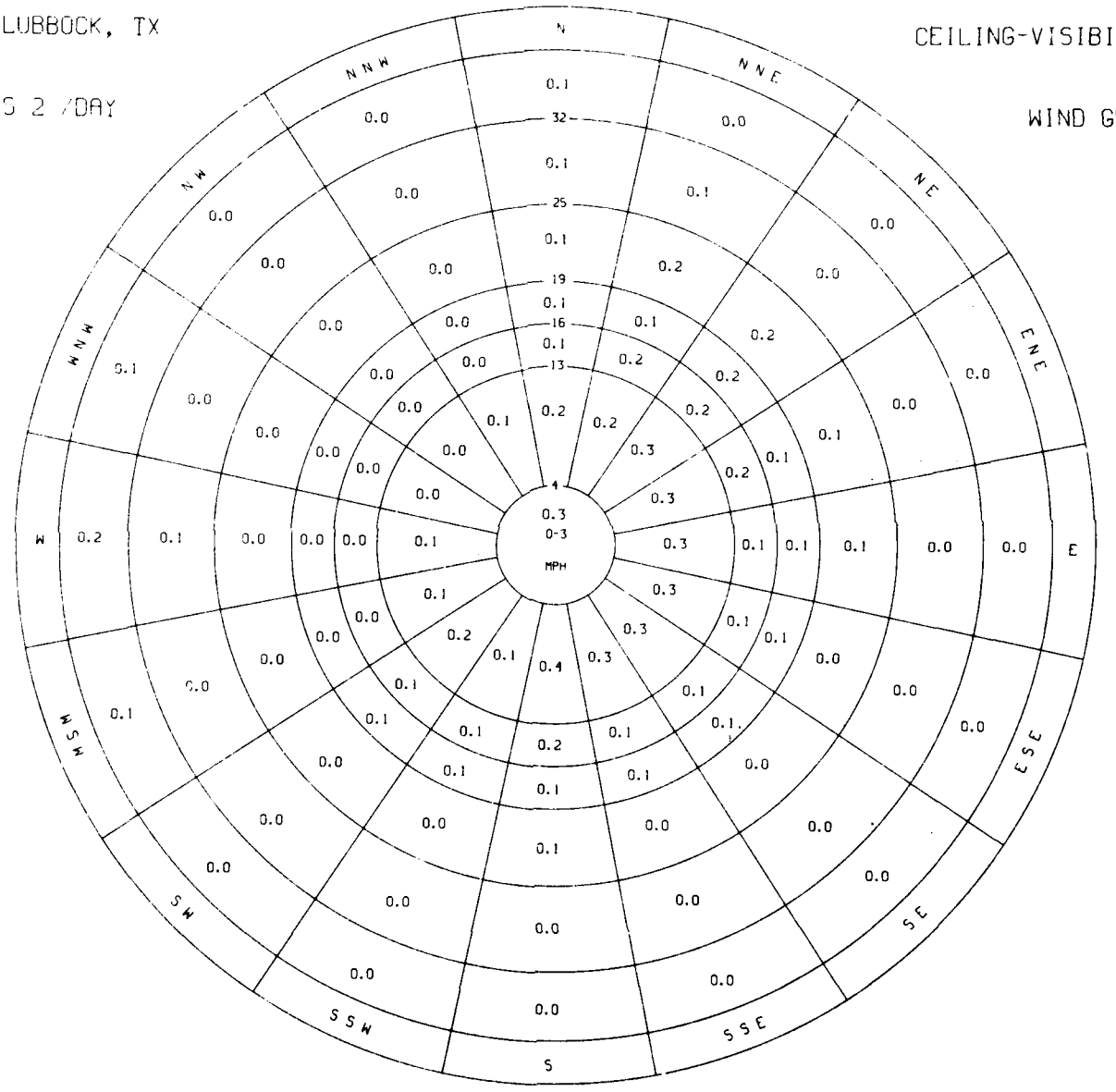
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.1	2.2	2.4	.7	.8	.6	.6	.5	.5	.3	.3	.1	.1	4.5	4.9	13.5
NNE	.0	.0	1.5	1.6	.6	.6	.4	.5	.4	.5	.3	.3	.1	.1	3.3	3.6	14.3
NE	.1	.1	2.3	2.5	.8	.9	.6	.6	.4	.5	.1	.1	.0	.0	4.3	4.7	12.5
ENE	.1	.1	2.2	2.4	.8	.8	.4	.5	.3	.3	.1	.1	.0	.0	3.9	4.2	12.0
E	.1	.1	3.3	3.6	.8	.9	.4	.4	.3	.3	.1	.1	.0	.0	4.9	5.4	10.8
ESE	.1	.1	3.2	3.5	1.0	1.1	.5	.5	.2	.2	.0	.0	.0	.0	4.9	5.4	10.9
SE	.1	.2	4.6	5.0	1.2	1.3	.6	.6	.3	.3	.0	.0	.0	.0	6.8	7.4	10.8
SSE	.1	.1	4.8	5.2	1.6	1.8	.8	.9	.5	.6	.1	.1	.0	.0	8.0	8.8	11.8
S	.2	.2	7.2	7.9	2.6	2.8	1.7	1.8	1.1	1.2	.3	.3	.0	.0	13.0	14.3	12.3
SSW	.1	.1	3.0	3.2	1.4	1.5	1.0	1.1	.7	.8	.1	.1	.0	.0	6.3	6.9	12.9
SW	.2	.2	4.9	5.4	1.5	1.7	.8	.8	.4	.4	.1	.1	.0	.0	7.8	8.5	11.2
WSW	.2	.2	4.4	4.8	.9	1.0	.5	.5	.3	.3	.1	.1	.0	.0	6.4	7.0	10.5
W	.2	.2	4.1	4.4	.6	.6	.3	.4	.3	.3	.1	.1	.0	.0	5.7	6.2	10.3
WNW	.1	.1	2.4	2.6	.4	.4	.2	.2	.2	.2	.1	.1	.0	.0	3.4	3.7	10.6
NW	.1	.1	1.9	2.1	.4	.4	.2	.2	.1	.1	.0	.1	.0	.0	2.8	3.1	10.3
NNW	.1	.1	1.3	1.4	.4	.4	.2	.3	.2	.2	.1	.1	.0	.0	2.3	2.6	12.5
CALM	3.0	3.3													3.0	3.3	
TOTAL	5.0	5.4	53.2	58.2	15.5	17.0	9.1	10.0	6.1	6.7	2.0	2.2	.4	.4	91.3	100	11.3

LBB LUBBOCK, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 23042

NO. OBS.: 4103

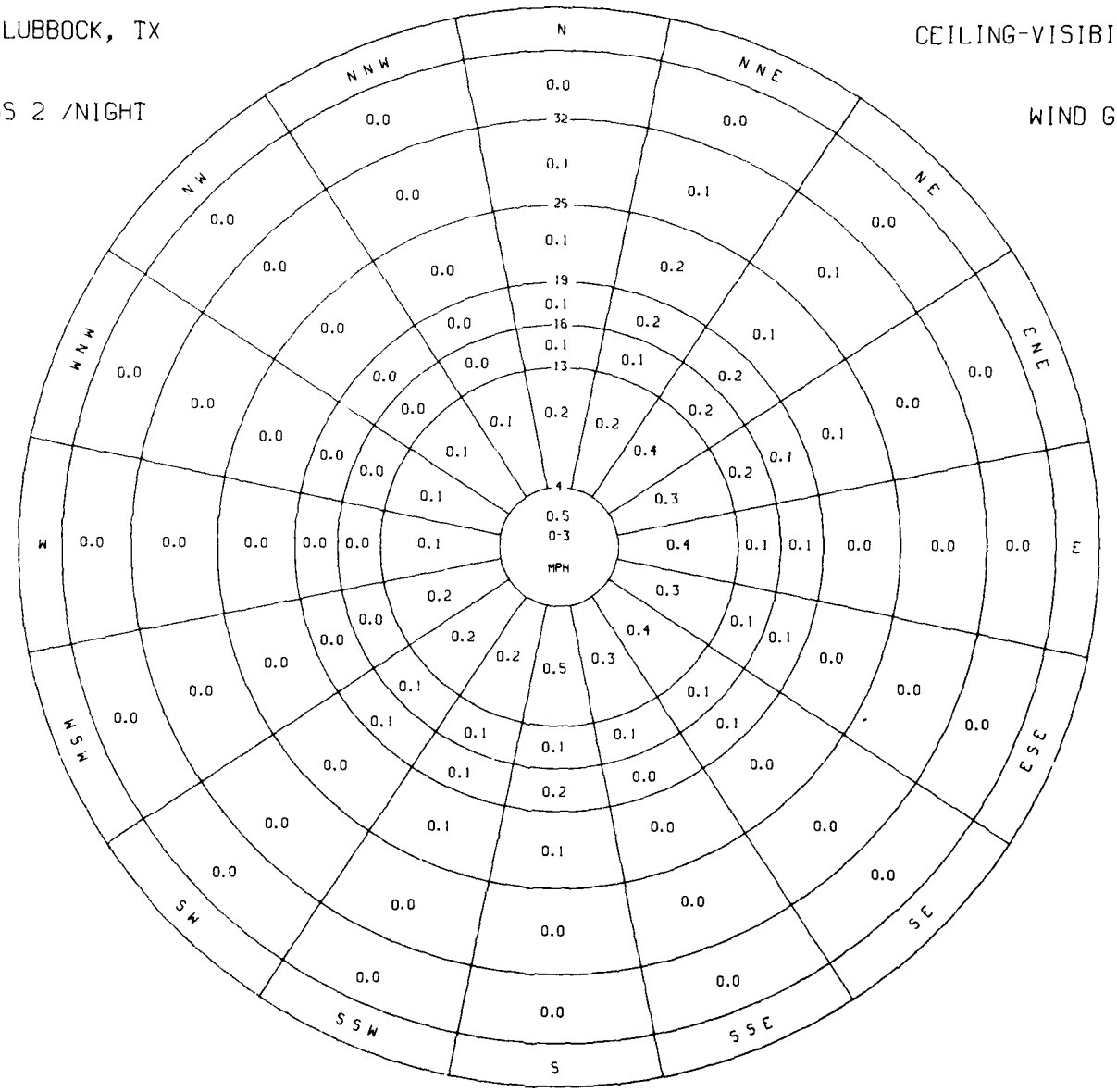
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.2	2.7	.1	1.0	.1	1.4	.1	1.7	.1	1.1	.1	.7	.7	8.6	17.8
NNE	.0	.0	.2	2.4	.2	1.9	.1	1.7	.2	2.2	.1	1.2	.0	.2	.8	9.7	17.3
NE	.0	.2	.3	3.8	.2	2.3	.2	2.3	.2	1.8	.0	.4	.0	.0	.9	10.7	14.7
ENE	.0	.1	.3	4.0	.2	1.8	.1	1.1	.1	.8	.0	.4	.0	.0	.7	8.3	13.1
E	.0	.0	.3	3.9	.1	1.3	.1	.8	.1	.6	.0	.1	.0	.0	.6	6.9	12.4
ESE	.0	.0	.3	3.6	.1	1.5	.1	.9	.0	.5	.0	.1	.0	.0	.6	6.6	12.3
SE	.0	.1	.3	4.1	.1	1.6	.1	.8	.0	.5	.0	.1	.0	.0	.6	7.2	11.7
SSE	.0	.2	.3	4.0	.1	1.4	.1	.9	.0	.5	.0	.3	.0	.1	.6	7.3	12.8
S	.0	.2	.4	4.9	.2	2.5	.1	1.7	.1	1.0	.0	.4	.0	.1	.9	10.7	13.3
SSW	.0	.0	.1	1.6	.1	1.0	.1	.8	.0	.5	.0	.2	.0	.1	.4	4.3	14.6
SW	.0	.1	.2	1.9	.1	1.2	.1	.7	.0	.2	.0	.3	.0	.4	.4	4.9	15.0
WSW	.0	.0	.1	.9	.0	.4	.0	.3	.0	.1	.0	.4	.1	1.2	.3	3.3	23.8
W	.0	.1	.1	.8	.0	.1	.0	.1	.0	.1	.1	.6	.2	2.0	.3	4.0	27.6
WNW	.0	.0	.0	.6	.0	.1	.0	.1	.0	.0	.0	.4	.1	.6	.1	1.7	24.0
NW	.0	.0	.0	.5	.0	.2	.0	.1	.0	.1	.0	.1	.0	.2	.1	1.3	18.2
NNW	.0	.0	.1	.7	.0	.2	.0	.3	.0	.4	.0	.2	.0	.2	.2	1.9	18.1
CALM	.2	2.6													.2	2.6	
TOTAL	.3	4.0	3.4	40.3	1.6	18.5	1.2	13.8	.9	11.1	.5	6.3	.5	6.0	8.5	100	15.0

LBB LUBBOCK, TX

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 23042

NO. OBS.: 3399

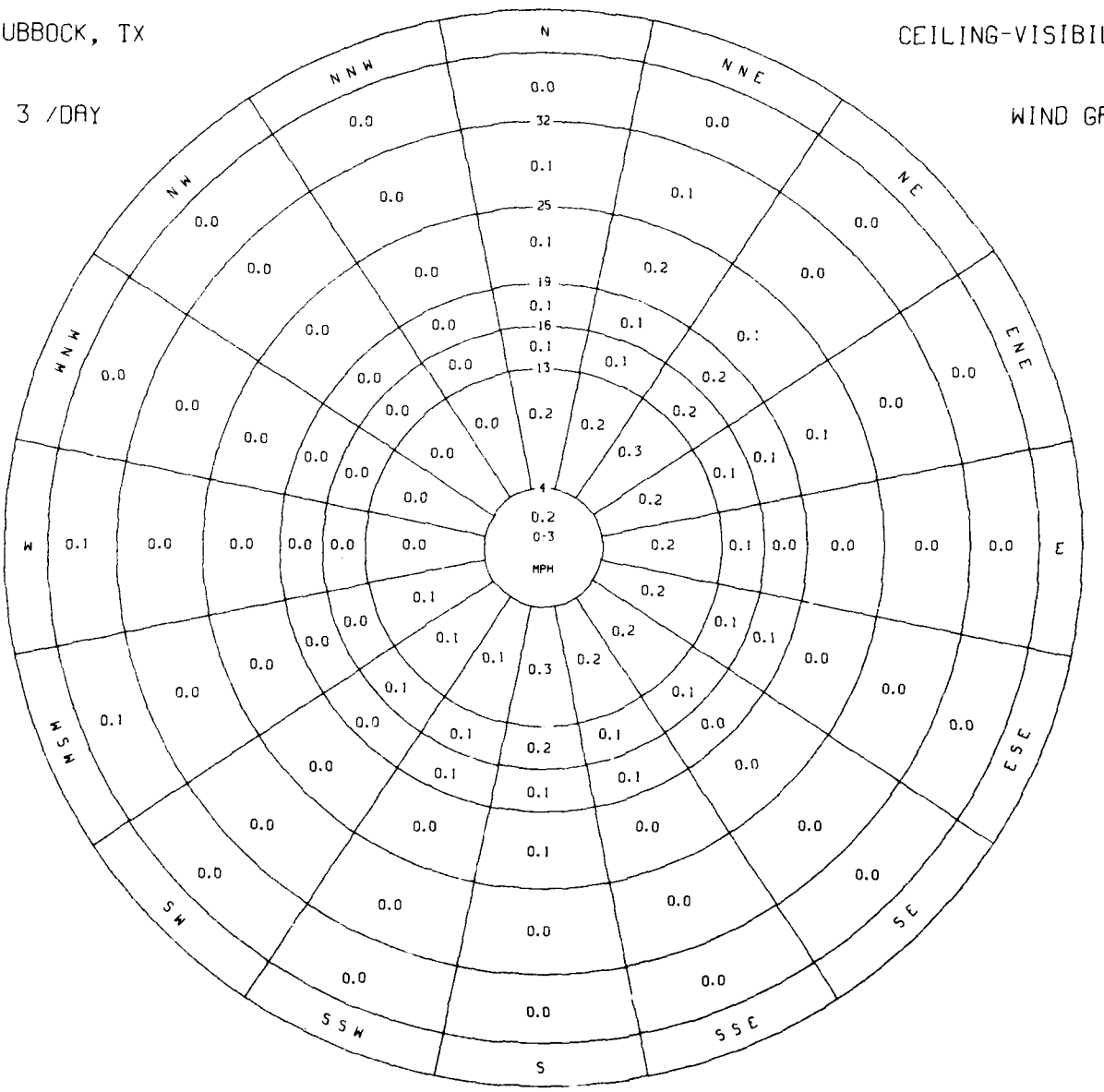
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.2	2.5	.1	1.2	.1	1.5	.1	1.6	.1	1.3	.0	.4	.7	8.5	17.3
NNE	.0	.1	.2	2.7	.1	1.4	.2	2.0	.2	2.0	.1	.9	.0	.3	.8	9.5	16.8
NE	.0	.1	.4	4.4	.2	2.2	.2	2.1	.1	1.7	.1	.6	.0	.1	1.0	11.3	14.6
ENE	.0	.2	.3	3.8	.2	1.9	.1	1.2	.1	.9	.0	.3	.0	.0	.7	8.3	13.1
E	.0	.3	.4	4.8	.1	1.3	.1	.7	.0	.6	.0	.2	.0	.0	.7	7.8	11.5
ESE	.0	.1	.3	4.0	.1	1.2	.1	.6	.0	.4	.0	.0	.0	.0	.6	6.4	11.2
SE	.0	.1	.4	4.7	.1	1.3	.1	1.0	.0	.6	.0	.1	.0	.0	.7	7.7	11.8
SSE	.0	.1	.3	3.8	.1	1.3	.0	.6	.0	.3	.0	.0	.0	.0	.5	6.1	11.6
S	.0	.3	.5	6.3	.1	1.6	.2	1.8	.1	1.0	.0	.3	.0	.0	1.0	11.2	12.2
SSW	.0	.1	.2	2.4	.1	1.0	.1	1.0	.1	.8	.0	.2	.0	.0	.5	5.4	13.7
SW	.0	.1	.2	2.4	.1	1.2	.1	1.0	.0	.3	.0	.0	.0	.0	.4	5.0	12.1
WSW	.0	.1	.2	1.7	.0	.4	.0	.1	.0	.1	.0	.0	.0	.1	.2	2.5	10.7
W	.0	.3	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.1	.0	.3	.2	2.2	13.1
WNW	.0	.1	.1	.6	.0	.2	.0	.0	.0	.1	.0	.0	.0	.2	.1	1.3	13.8
NW	.0	.1	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	.1	1.3	12.5
NNW	.0	.0	.1	.7	.0	.4	.0	.1	.0	.3	.0	.3	.0	.1	.2	1.9	17.1
CALM	.3	3.6													.3	3.6	
TOTAL	.5	5.6	4.1	46.8	1.5	16.9	1.2	13.9	.9	10.8	.4	4.4	.1	1.6	8.7	100	13.0

LBB LUBBOCK, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-

CLASS 3 / DAY

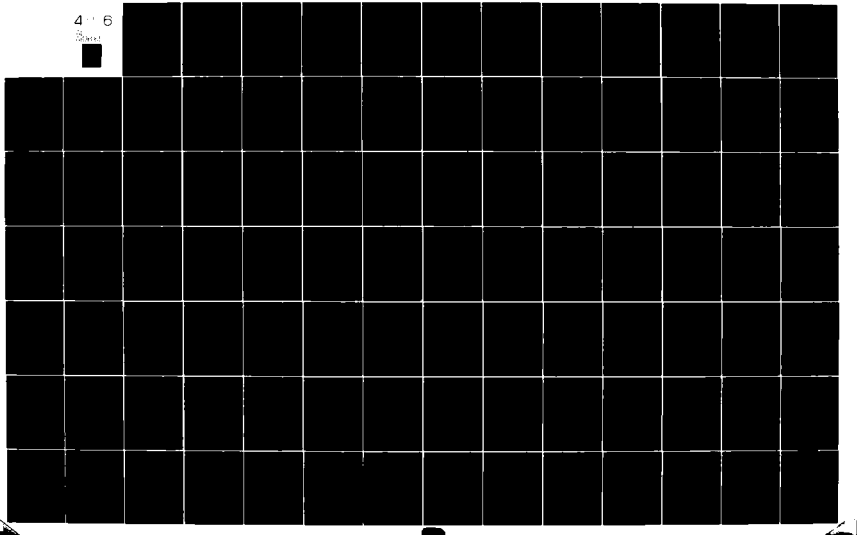
STATION NUMBER: 23042

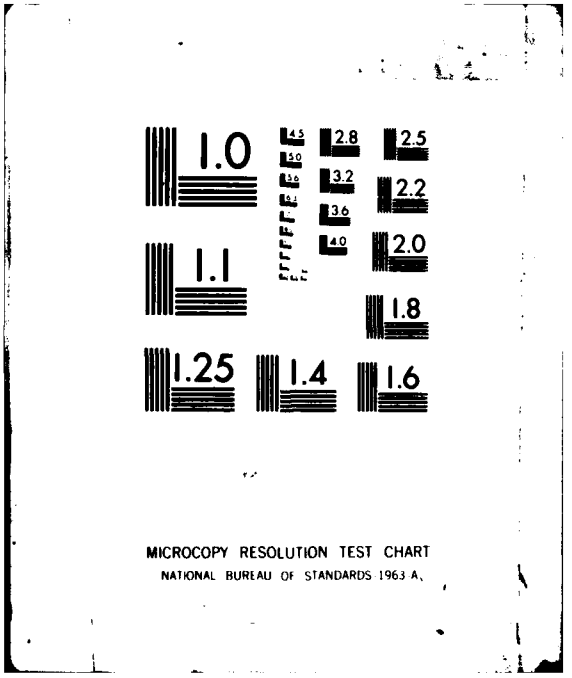
NO. OBS.:

DIR	SPEED GROUPS (MPH)																AVI WIN SPEI
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.2	2.9	.1	1.2	.1	1.6	.1	2.0	.1	1.2	.0	.7	.6	9.7	18.
NNE	.0	.0	.2	2.4	.1	2.2	.1	2.0	.2	2.7	.1	1.4	.0	.3	.7	11.0	17.
NE	.0	.2	.3	4.0	.2	2.6	.2	2.4	.1	2.0	.0	.4	.0	.1	.8	11.5	14.
ENE	.0	.1	.2	3.6	.1	1.6	.1	.9	.1	.9	.0	.4	.0	.0	.5	7.7	13.
E	.0	.1	.2	3.4	.1	1.2	.0	.7	.0	.6	.0	.1	.0	.1	.4	6.1	12.
ESE	.0	.0	.2	3.0	.1	1.2	.1	.9	.0	.5	.0	.1	.0	.0	.4	5.8	12.
SE	.0	.0	.2	3.6	.1	1.6	.0	.8	.0	.5	.0	.1	.0	.0	.4	6.6	11.
SSE	.0	.1	.2	3.5	.1	1.5	.1	.9	.0	.5	.0	.4	.0	.1	.5	7.1	13.
S	.0	.2	.3	4.6	.2	2.7	.1	2.0	.1	1.2	.0	.4	.0	.1	.7	11.1	13.
SSW	.0	.0	.1	1.5	.1	1.(	.1	1.0	.0	.7	.0	.3	.0	.1	.3	4.7	15.
SW	.0	.1	.1	1.8	.1	1.2	.0	.8	.0	.3	.0	.3	.0	.3	.3	4.8	15.
WSW	.0	.1	.1	.8	.0	.5	.0	.2	.0	.0	.0	.5	.1	1.1	.2	3.2	22.
W	.0	.1	.0	.5	.0	.2	.0	.1	.0	.1	.0	.8	.1	1.6	.2	3.4	27.
WNW	.0	.0	.0	.5	.0	.1	.0	.1	.0	.0	.0	.4	.0	.4	.1	1.6	22.
NW	.0	.0	.0	.5	.0	.2	.0	.1	.0	.1	.0	.1	.0	.3	.1	1.4	19.
NNW	.0	.0	.0	.7	.0	.2	.0	.3	.0	.4	.0	.3	.0	.1	.1	2.1	16.
CALM	.1	2.3													.1	2.3	
TOTAL	.2	3.5	2.4	37.4	1.2	19.1	1.0	14.8	.8	12.7	.5	7.1	.4	5.4	6.5	100	15.

AD-A108 165 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL



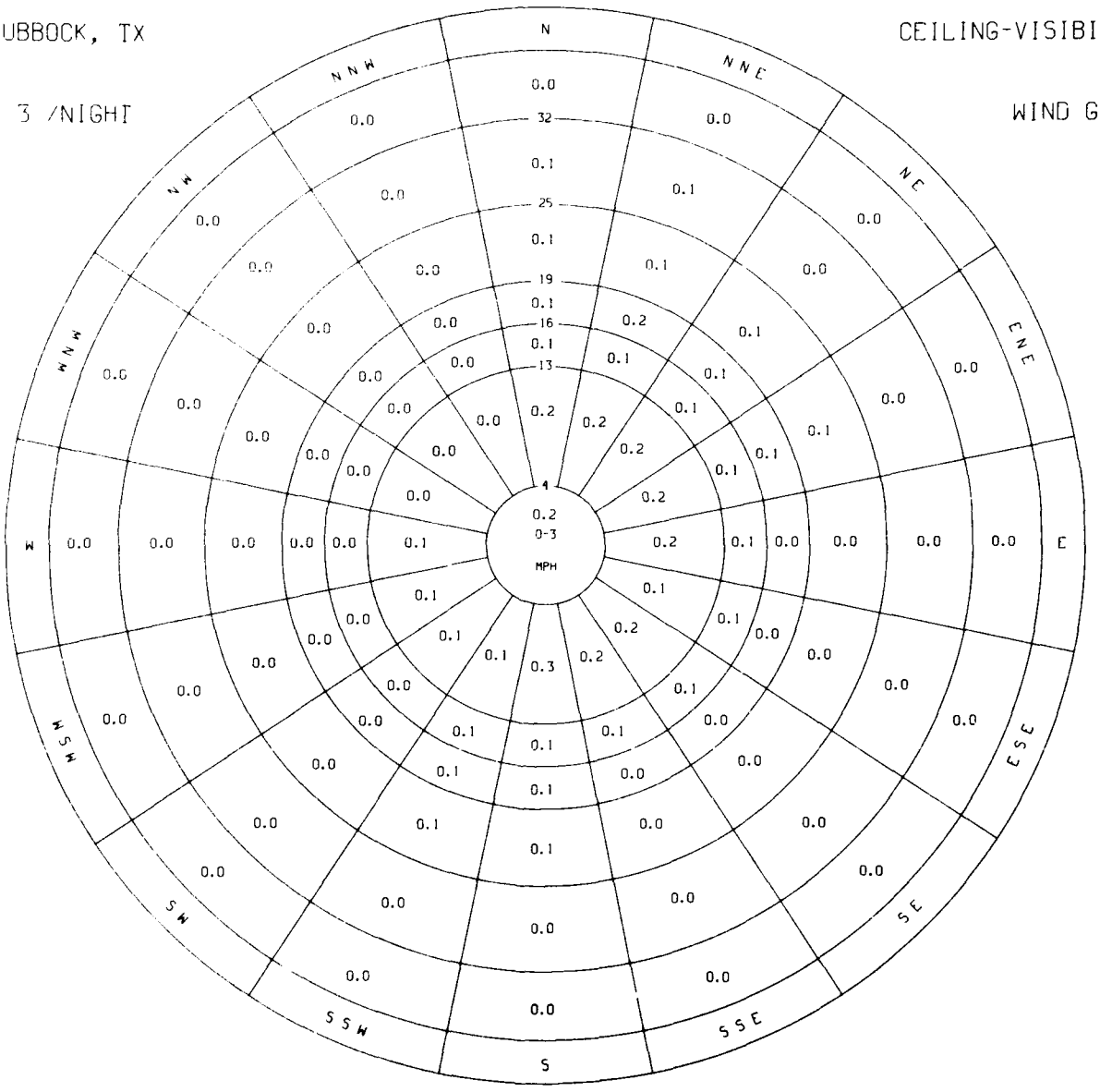

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 23042

NO. OBS.: 2128

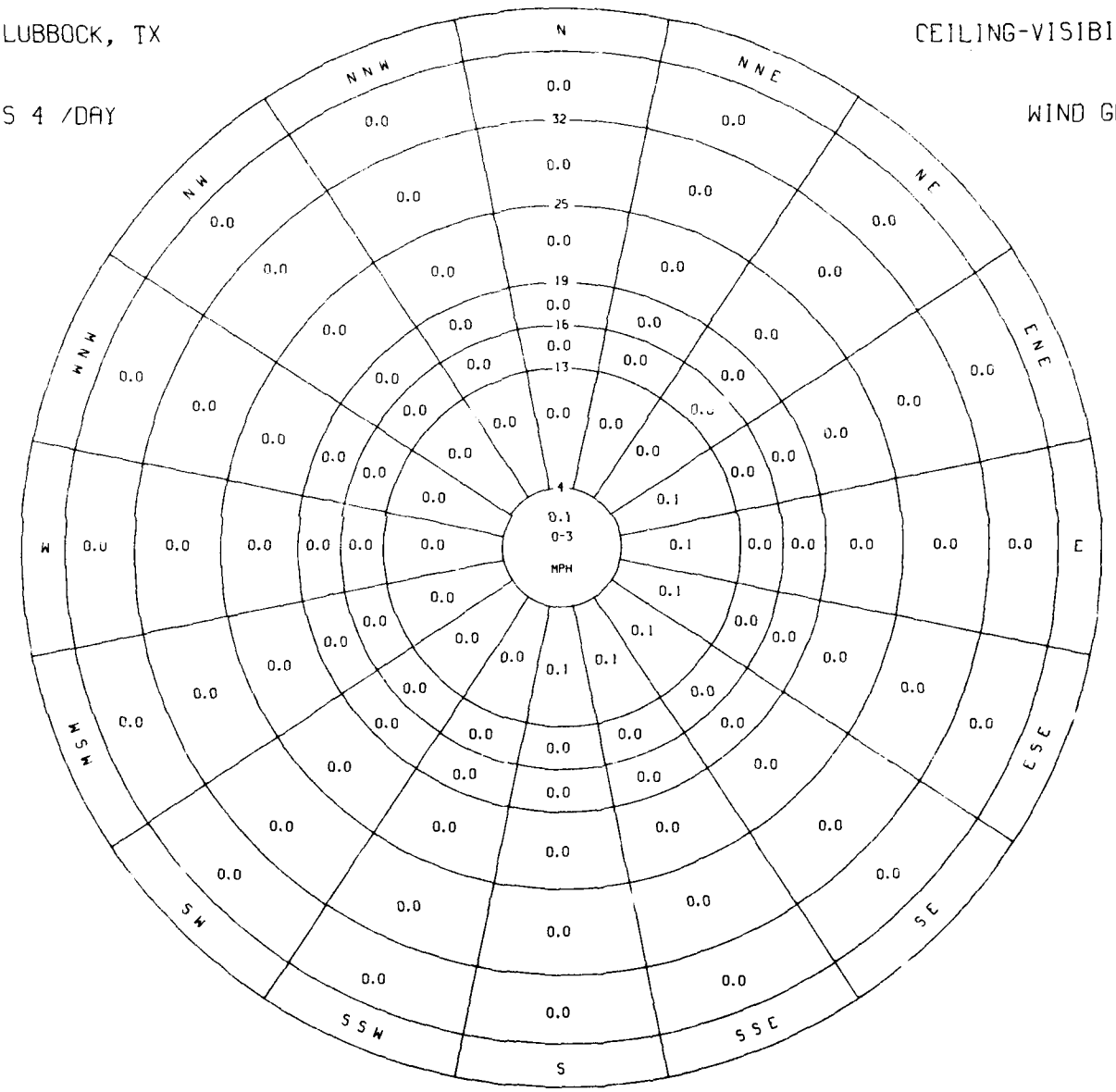
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.2	2.9	.1	1.5	.1	2.1	.1	2.3	.1	1.8	.0	.4	.6	11.2	17.8
NNE	.0	.1	.2	3.2	.1	1.8	.2	2.8	.1	2.7	.1	1.1	.0	.5	.7	12.3	17.1
NE	.0	.1	.2	4.5	.1	2.5	.1	2.4	.1	2.0	.0	.9	.0	.1	.7	12.5	15.3
ENE	.0	.1	.2	3.4	.1	1.6	.1	1.2	.1	1.1	.0	.2	.0	.0	.4	7.7	13.5
E	.0	.3	.2	3.6	.1	1.4	.0	.9	.0	.7	.0	.1	.0	.0	.4	7.0	12.2
ESE	.0	.1	.1	2.6	.1	1.3	.0	.7	.0	.4	.0	.0	.0	.0	.3	5.2	11.7
SE	.0	.0	.2	3.4	.1	1.0	.0	.8	.0	.4	.0	.2	.0	.0	.3	5.8	12.1
SSE	.0	.1	.2	3.1	.1	1.0	.0	.6	.0	.4	.0	.0	.0	.0	.3	5.4	11.8
S	.0	.1	.3	5.2	.1	1.8	.1	2.4	.1	1.5	.0	.4	.0	.0	.6	11.4	13.6
SSW	.0	.0	.1	2.3	.1	1.1	.1	1.3	.1	1.1	.0	.2	.0	.0	.3	6.0	14.7
SW	.0	.1	.1	1.8	.0	.8	.0	.8	.0	.4	.0	.0	.0	.0	.2	3.9	12.6
WSW	.0	.0	.1	1.1	.0	.4	.0	.1	.0	.1	.0	.0	.0	.1	.1	1.9	12.0
W	.0	.2	.1	1.1	.0	.2	.0	.0	.0	.2	.0	.2	.0	.3	.1	2.3	14.4
WNW	.0	.1	.0	.5	.0	.3	.0	.0	.0	.1	.0	.0	.0	.1	.1	1.3	14.4
NW	.0	.0	.0	.8	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.1	1.3	13.8
NNW	.0	.0	.0	.8	.0	.5	.0	.2	.0	.4	.0	.4	.0	.1	.1	2.3	17.1
CALM	.1	2.6													.1	2.6	
TOTAL	.2	4.4	2.2	40.2	.9	17.2	.9	16.4	.8	14.0	.3	5.9	.1	1.8	5.4	100	14.1

LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEE LUBBOCK, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 23042

NO. OBS.: 623

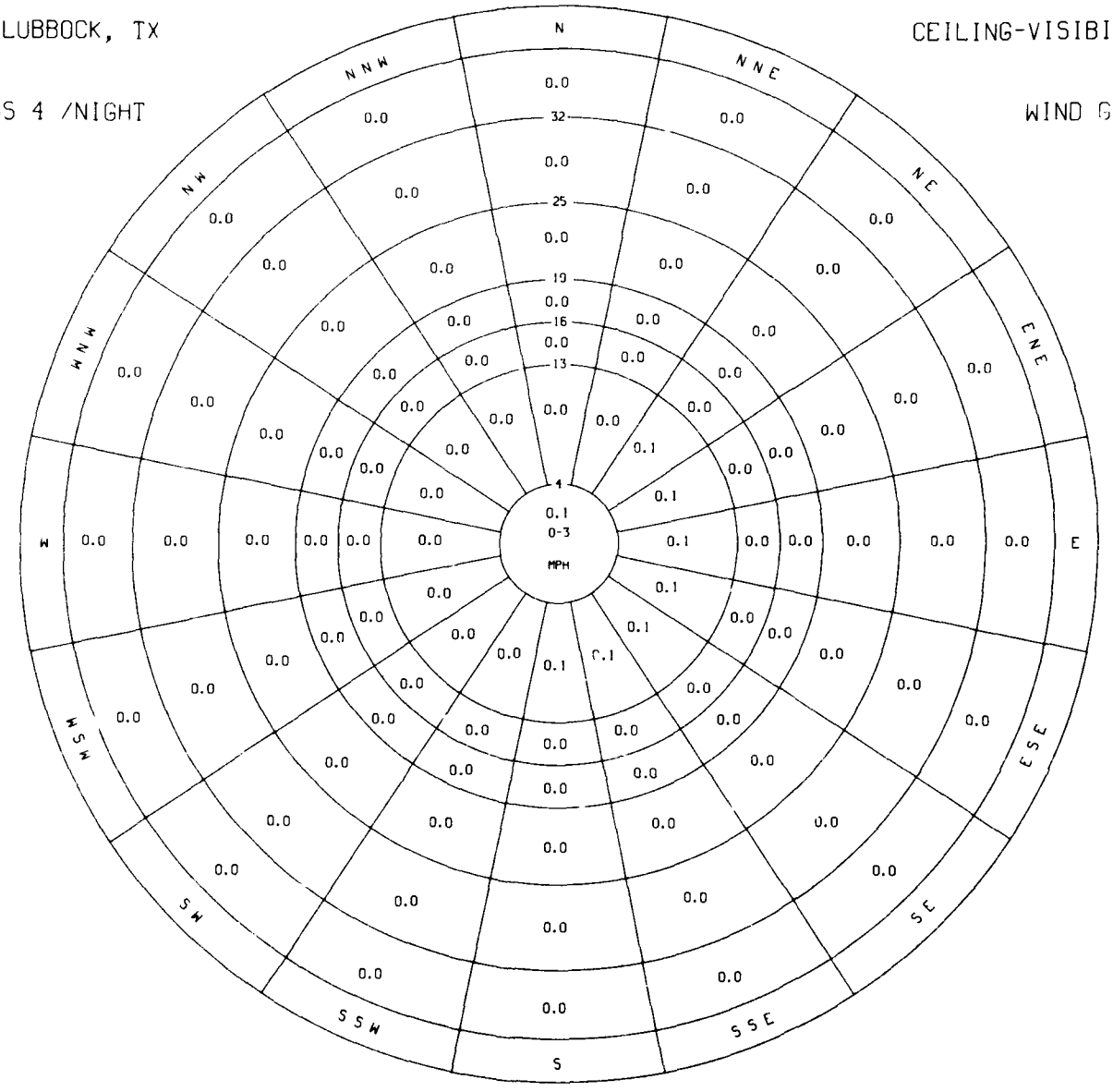
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.0	1.8	.0	1.0	.0	.5	.0	.6	.0	.8	.0	.6	.1	5.5	17.2
NNE	.0	.2	.0	3.0	.0	1.0	.0	.6	.0	1.0	.0	.6	.0	.0	.1	6.4	13.6
NE	.0	.2	.0	3.9	.0	1.6	.0	2.4	.0	1.6	.0	.5	.0	.0	.1	10.1	14.6
ENE	.0	.3	.1	4.8	.0	2.7	.0	1.9	.0	.5	.0	.3	.0	.0	.1	10.6	12.8
E	.0	.0	.1	5.1	.0	1.1	.0	1.0	.0	.3	.0	.0	.0	.0	.1	7.5	11.2
ESE	.0	.0	.1	5.5	.0	1.9	.0	1.1	.0	.3	.0	.0	.0	.0	.1	8.8	11.6
SE	.0	.3	.1	4.8	.0	1.8	.0	1.1	.0	.3	.0	.0	.0	.0	.1	8.3	11.1
SSE	.0	.3	.1	4.7	.0	1.4	.0	.6	.0	.3	.0	.2	.0	.0	.1	7.5	10.9
S	.0	.2	.1	6.3	.0	1.6	.0	.8	.0	.3	.0	.3	.0	.0	.1	9.5	11.6
SSW	.0	.2	.0	2.1	.0	.8	.0	.3	.0	.0	.0	.2	.0	.2	.0	3.7	12.4
SW	.0	.2	.0	2.4	.0	.8	.0	.6	.0	.0	.0	.2	.0	.6	.1	4.8	15.8
WSW	.0	.0	.0	1.6	.0	.3	.0	.5	.0	.3	.0	.2	.0	2.1	.1	5.0	25.9
W	.0	.0	.0	1.3	.0	.0	.0	.3	.0	.0	.0	.2	.0	3.0	.1	4.8	29.0
WNW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.4	.0	2.2	32.3
NW	.0	.2	.0	.5	.0	.2	.0	.2	.0	.0	.0	.2	.0	.0	.0	1.1	13.4
NNW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.2	.0	.0	.0	.6	.0	1.6	23.8
CALM	.0	2.4													.0	2.4	
TOTAL	.1	4.5	.6	48.8	.2	16.2	.2	12.0	.1	5.8	.1	4.0	.1	8.7	1.3	100	14.5

LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 23042

NO. OBS.: 626

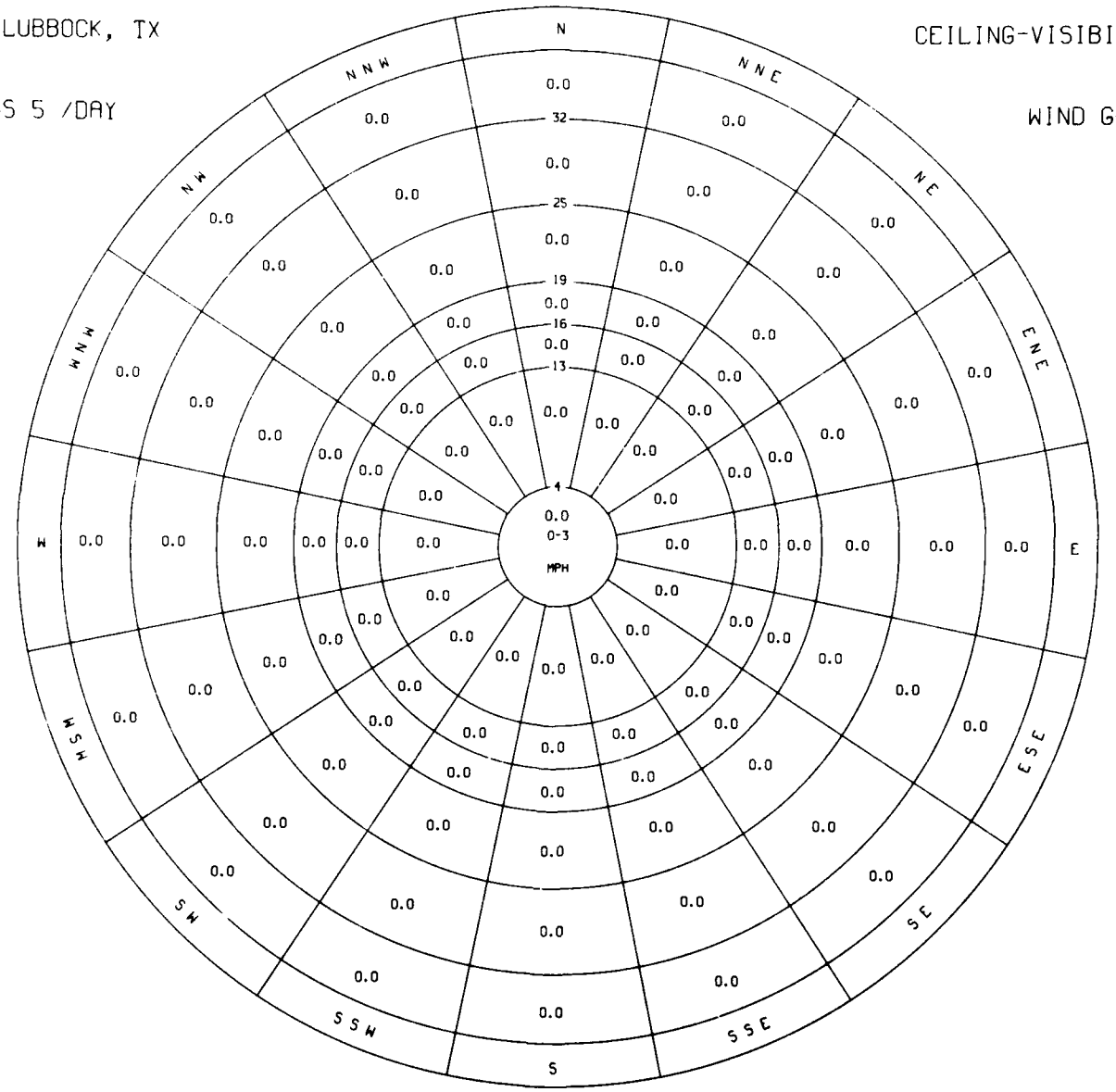
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.2	.0	.5	.0	.6	.0	.3	.0	.6	.0	.2	.1	4.5	15.3
NNE	.0	.0	.0	2.7	.0	1.3	.0	.8	.0	1.1	.0	.8	.0	.2	.1	6.9	16.0
NE	.0	.0	.1	4.8	.0	2.7	.0	2.6	.0	1.6	.0	.3	.0	.0	.2	12.0	13.7
ENE	.0	.2	.1	5.1	.0	2.1	.0	1.6	.0	.8	.0	.5	.0	.0	.2	10.2	13.0
E	.0	.2	.1	7.3	.0	1.3	.0	.5	.0	.5	.0	.2	.0	.0	.2	9.9	10.5
ESE	.0	.2	.1	5.9	.0	.6	.0	.5	.0	.6	.0	.0	.0	.0	.1	7.8	11.0
SE	.0	.0	.1	6.1	.0	1.9	.0	.8	.0	1.0	.0	.2	.0	.0	.2	9.9	11.6
SSE	.0	.2	.1	3.4	.0	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.1	5.3	11.4
S	.0	.5	.1	9.1	.0	1.0	.0	.8	.0	.3	.0	.0	.0	.0	.2	11.7	9.7
SSW	.0	.2	.0	2.2	.0	1.0	.0	.6	.0	.2	.0	.2	.0	.0	.1	4.3	12.7
SW	.0	.0	.0	2.4	.0	1.8	.0	1.3	.0	.0	.0	.0	.0	.0	.1	5.4	12.4
WSW	.0	.0	.0	1.6	.0	.5	.0	.2	.0	.3	.0	.0	.0	.0	.0	2.6	11.8
W	.0	.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	1.6	12.6
WNW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.5	27.0
NW	.0	.2	.0	1.1	.0	.2	.0	.0	.0	.0	.0	.2	.0	.2	.0	1.8	11.6
NNW	.0	.0	.0	.6	.0	.3	.0	.2	.0	.2	.0	.0	.0	.2	.0	1.4	14.8
CALM	.1	4.3													.1	4.3	
TOTAL	.1	6.1	.9	55.8	.3	16.1	.2	10.7	.1	7.2	.0	2.9	.0	1.3	1.6	100	11.8

LBB LUBBOCK, TX

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 23042

NO. OBS.: 182

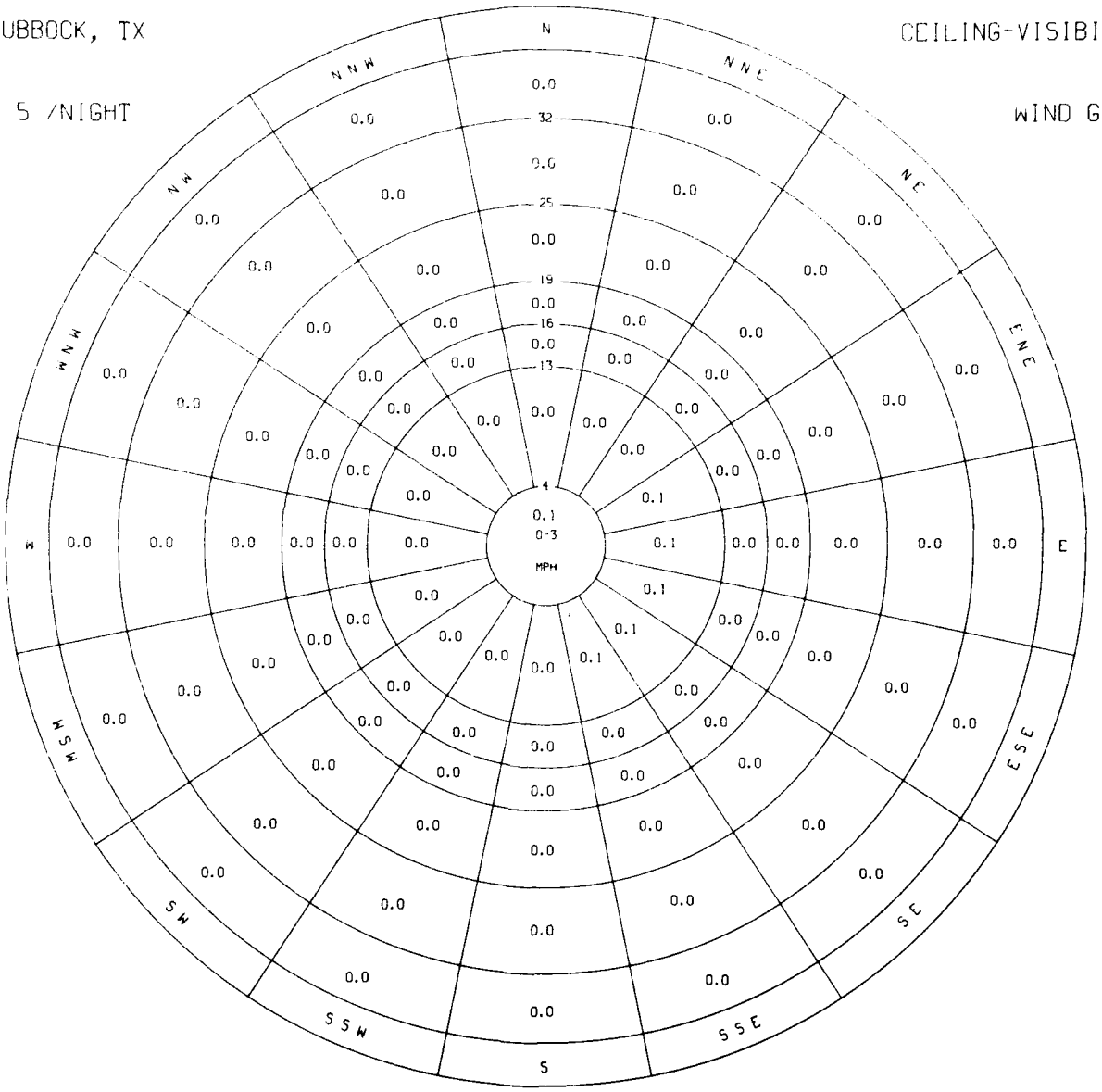
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.2	.0	.0	.0	1.6	.0	.5	.0	.5	.0	.0	.0	4.9	15.3
N N E	.0	.0	.0	1.1	.0	1.1	.0	.5	.0	1.1	.0	.5	.0	.0	.0	4.4	15.9
N E	.0	.5	.0	1.6	.0	1.1	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	6.6	14.0
E N E	.0	.0	.0	5.5	.0	1.6	.0	1.6	.0	.5	.0	.5	.0	.0	.0	9.9	13.2
E	.0	.0	.0	7.7	.0	2.7	.0	1.1	.0	.5	.0	.5	.0	.0	.0	12.6	11.3
E S E	.0	.0	.0	3.8	.0	2.2	.0	.5	.0	1.1	.0	.0	.0	.0	.0	7.7	12.1
S E	.0	.0	.0	6.0	.0	1.6	.0	.0	.0	.5	.0	.0	.0	.0	.0	8.2	11.5
S S E	.0	.0	.0	6.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	9.8
S	.0	.0	.0	4.9	.0	4.4	.0	1.1	.0	.5	.0	.0	.0	.0	.0	11.0	11.9
S S W	.0	.0	.0	2.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	10.6
S W	.0	.0	.0	2.2	.0	2.2	.0	1.1	.0	.0	.0	.0	.0	.5	.0	6.0	13.8
W S W	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.6	.0	2.2	35.7
W	.0	.0	.0	2.7	.0	.5	.0	.0	.0	.0	.0	.5	.0	4.9	.0	8.8	27.7
W N W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	30.0
N W	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	9.0
N N W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	47.0
C A L M	.0	5.5													.0	5.5	
T O T A L	.0	6.0	.2	47.3	.1	19.2	.0	9.9	.0	6.6	.0	3.3	.0	7.7	.4	100	13.9

LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 23042

NO. OBS.: 326

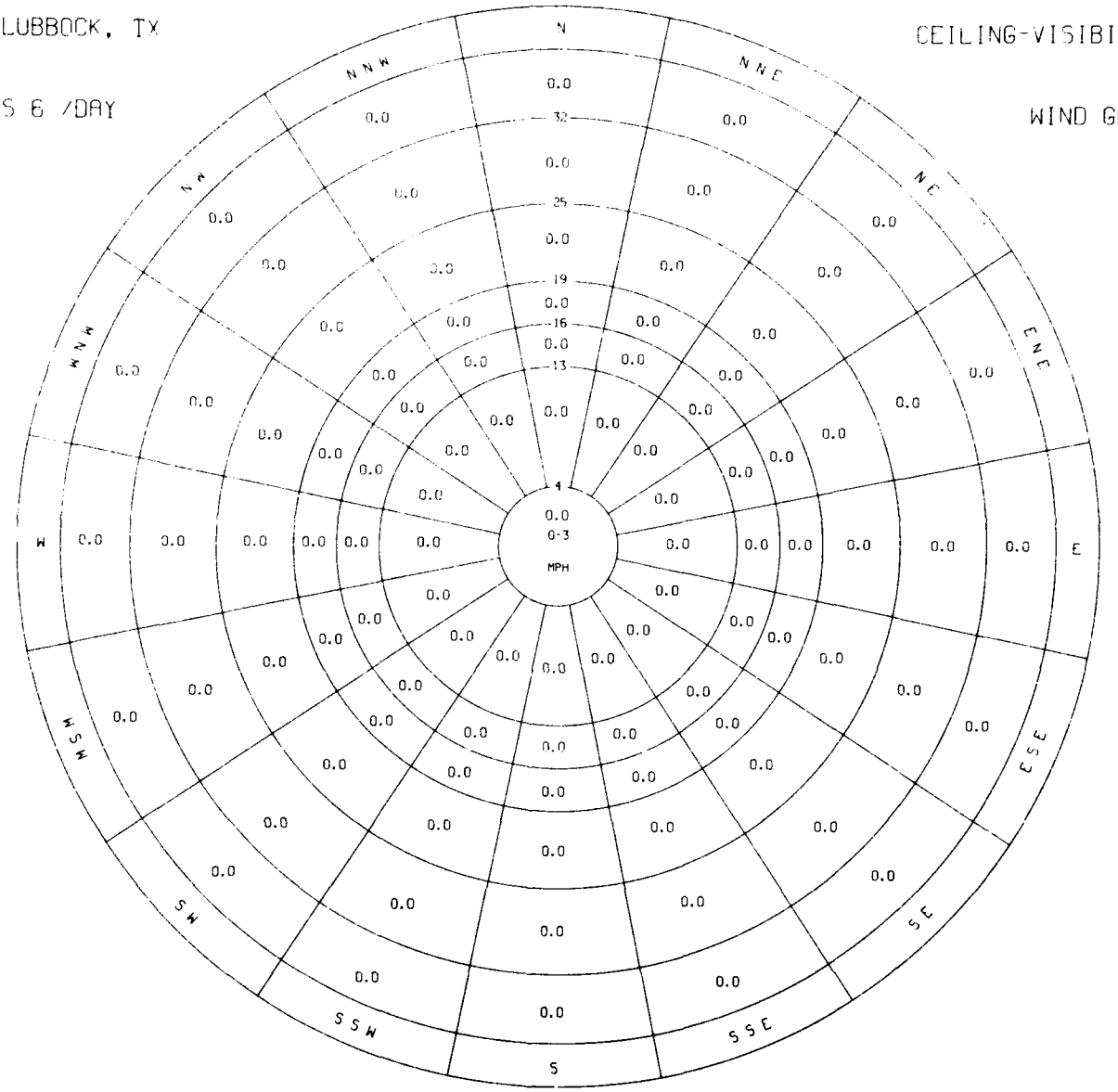
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.8	.0	1.5	.0	.3	.0	.6	.0	.3	.0	.0	.0	4.6	14.4
NNE	.0	.3	.0	1.5	.0	.3	.0	.6	.0	.9	.0	.3	.0	.0	.0	4.0	15.0
NE	.0	.0	.0	5.2	.0	1.5	.0	1.2	.0	1.2	.0	.0	.0	.0	.1	9.2	12.6
ENE	.0	.6	1	6.1	.0	3.1	.0	.6	.0	.9	.0	.0	.0	.0	.1	11.3	11.5
E	.0	.0	.1	6.1	.0	1.8	.0	.3	.0	.0	.0	.3	.0	.0	.1	8.6	10.8
ESE	.0	.0	.1	6.4	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.0	.1	8.0	9.3
SE	.0	.0	.1	6.4	.0	.9	.0	2.1	.0	.6	.0	.0	.0	.0	.1	10.1	11.4
SSE	.0	.0	.1	6.1	.0	1.8	.0	.6	.0	.0	.0	.0	.0	.0	.1	8.6	10.3
S	.0	.6	.0	5.5	.0	1.8	.0	.6	.0	.3	.0	.0	.0	.0	.1	8.9	10.4
SSW	.0	.0	.0	3.4	.0	.6	.0	.9	.0	.3	.0	.0	.0	.0	.0	5.2	11.1
SW	.0	.0	.0	2.8	.0	2.8	.0	1.2	.0	.3	.0	.0	.0	.0	.1	7.1	12.0
WSW	.0	.0	.0	4.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	8.8
W	.0	.9	.0	.9	.0	.6	.0	.3	.0	.0	.0	.0	.0	.3	.0	3.1	11.2
WNW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.5
NW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	5.5
NNW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.9	16.0
CALM	.0	4.6													.0	4.6	
TOTAL	.1	7.7	.5	58.0	.2	18.4	.1	9.2	.0	5.2	.0	1.2	.0	.3	.8	100	10.7

LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LBB LUBBOCK, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 23042

NO. OBS.: 140

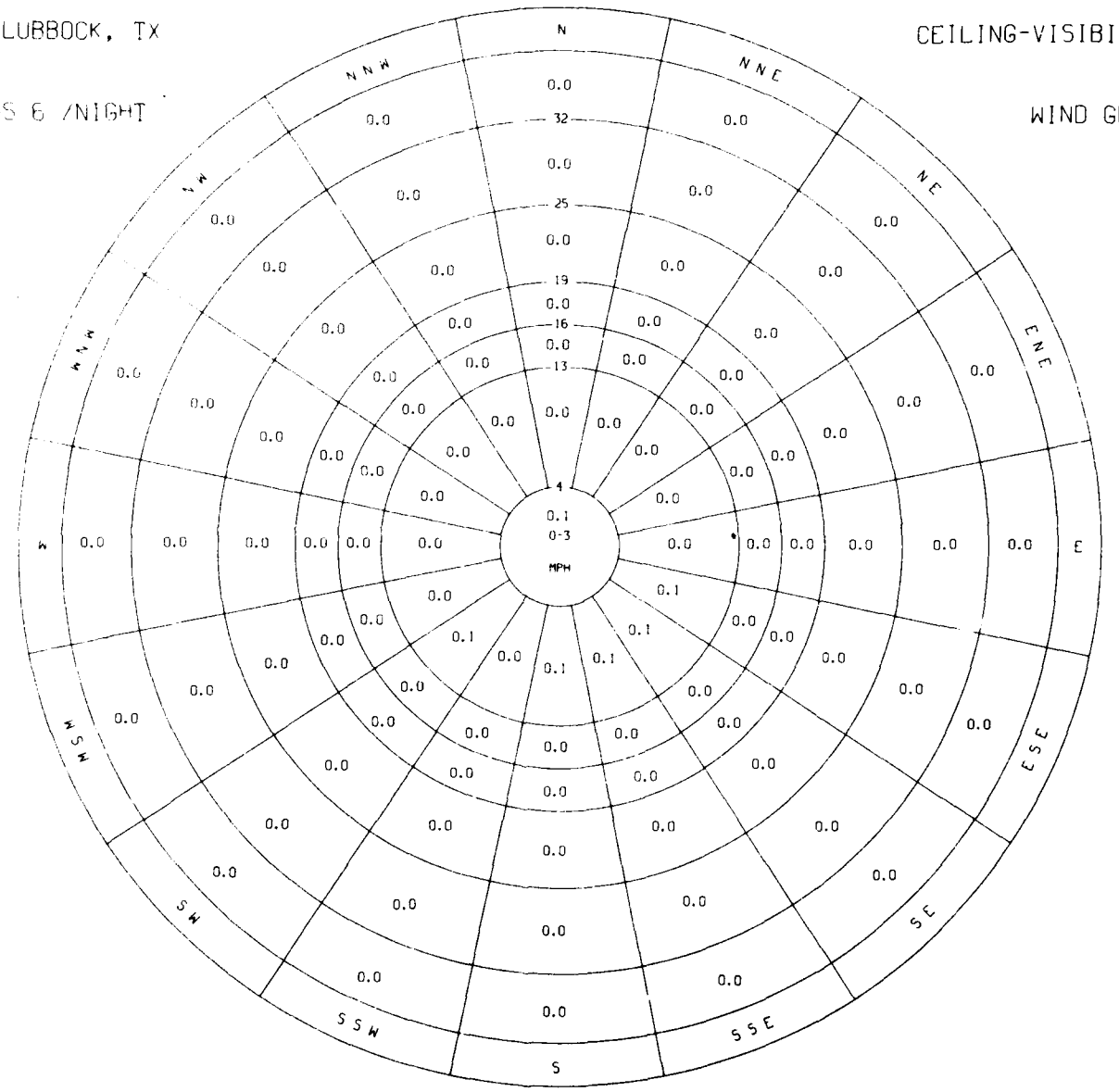
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	2.9	14.7
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	25.0
NE	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.5
ENE	.0	.0	.0	6.4	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.6	9.9
E	.0	.0	.0	4.3	.0	4.3	.0	1.4	.0	2.1	.0	.7	.0	.0	.0	12.9	14.5
ESE	.0	.0	.0	9.3	.0	3.6	.0	1.4	.0	.7	.0	.0	.0	.0	.0	15.0	10.9
SE	.0	.7	.0	9.3	.0	1.4	.0	.0	.0	2.1	.0	.7	.0	.0	.0	14.3	11.9
SSE	.0	.7	.0	8.6	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	12.1	9.7
S	.0	.0	.0	5.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	9.8
SSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.0
SW	.0	.0	.0	2.9	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	9.4
WSW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	10.0
W	.0	1.4	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	6.4	21.1
WNW	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	5.0	15.0
NW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.0
NNW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	2.1	20.0
CALM	.0	6.4													.0	6.4	
TOTAL	.0	9.3	.2	59.3	.0	14.3	.0	4.3	.0	5.0	.0	2.1	.0	5.7	.3	100	11.6

LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AP LUBBOCK, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 23042

NO. OBS.: 319

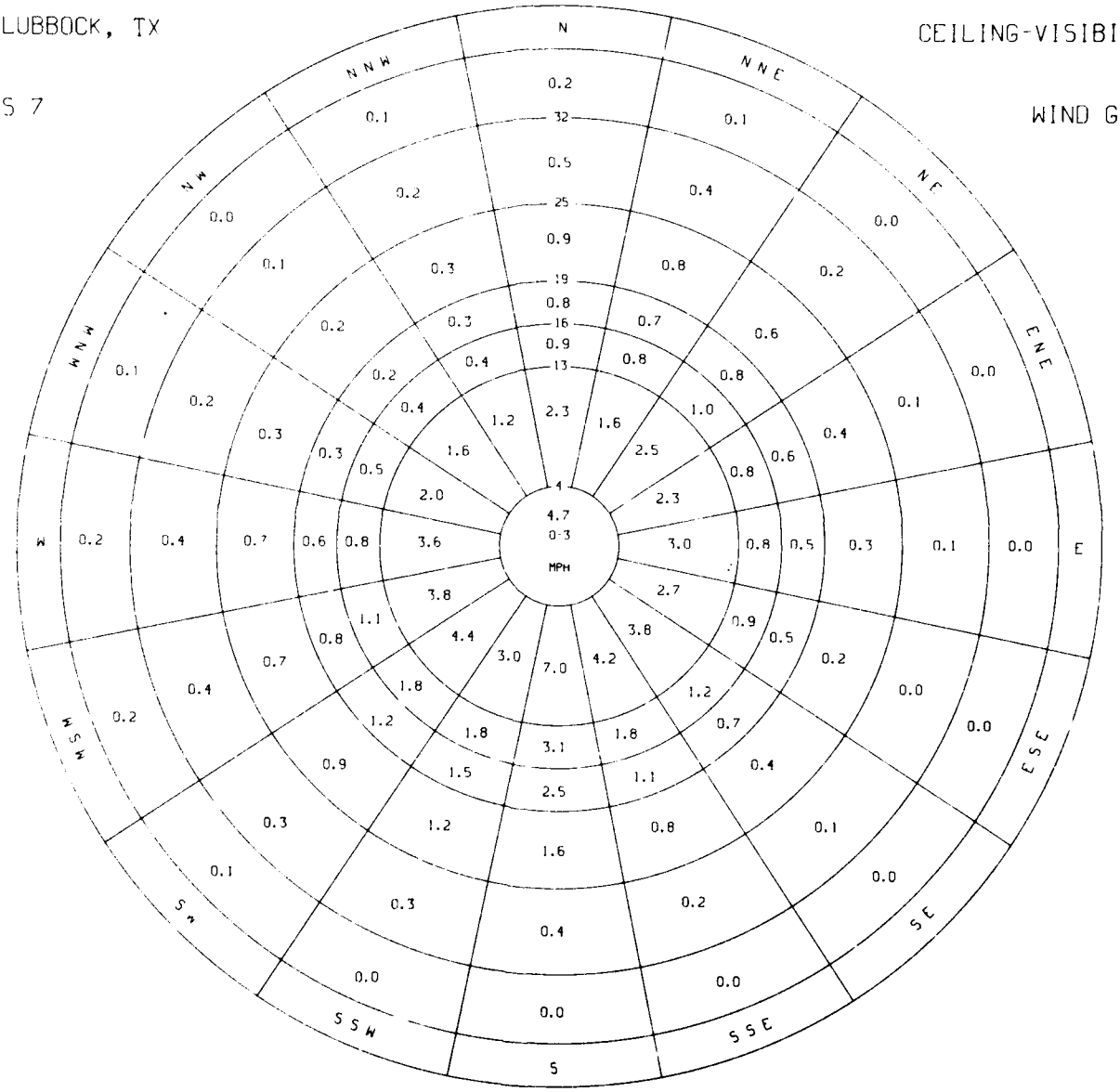
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
R	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.0	1.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.6	.0	2.5	14.7
NNE	.0	.0	.0	.3	.0	.3	.0	.6	.0	.0	.0	.3	.0	.0	.0	1.6	15.2
NE	.0	.0	.0	2.8	.0	.3	.0	.3	.0	.3	.0	.0	.0	.0	.0	3.8	11.9
ENE	.0	.3	.0	1.9	.0	1.6	.0	1.3	.0	.0	.0	.3	.0	.0	.0	5.3	13.2
E	.0	.6	.0	6.0	.0	.6	.0	.3	.0	.3	.0	.3	.0	.0	.1	8.2	10.4
ESE	.0	.0	.1	7.2	.0	2.2	.0	.9	.0	.3	.0	.0	.0	.0	.1	10.7	11.2
SE	.0	.3	.1	8.8	.0	2.2	.0	1.9	.0	.6	.0	.0	.0	.0	.1	13.8	11.3
SSE	.0	.0	.1	6.6	.0	3.1	.0	.6	.0	.0	.0	.0	.0	.3	.1	10.7	12.1
S	.0	.6	.1	8.8	.0	1.3	.0	.9	.0	.0	.0	.0	.0	.0	.1	11.6	9.4
SSW	.0	.3	.0	2.5	.0	.6	.0	.0	.0	.3	.0	.0	.0	.0	.0	3.8	9.2
SW	.0	.0	.1	6.6	.0	1.6	.0	.9	.0	.3	.0	.0	.0	.0	.1	9.4	10.6
WSW	.0	.3	.0	3.8	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	4.4	7.7
W	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	5.2
WNW	.0	.0	.0	3.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.0	4.1	10.9
NW	.0	.0	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	7.7
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3	40.0
CALM	.1	7.5													.1	7.5	
TOTAL	.1	11.0	.5	61.4	.1	14.7	.1	8.2	.0	2.2	.0	.9	.0	1.6	.8	100	10.1

LBB LUBBOCK, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

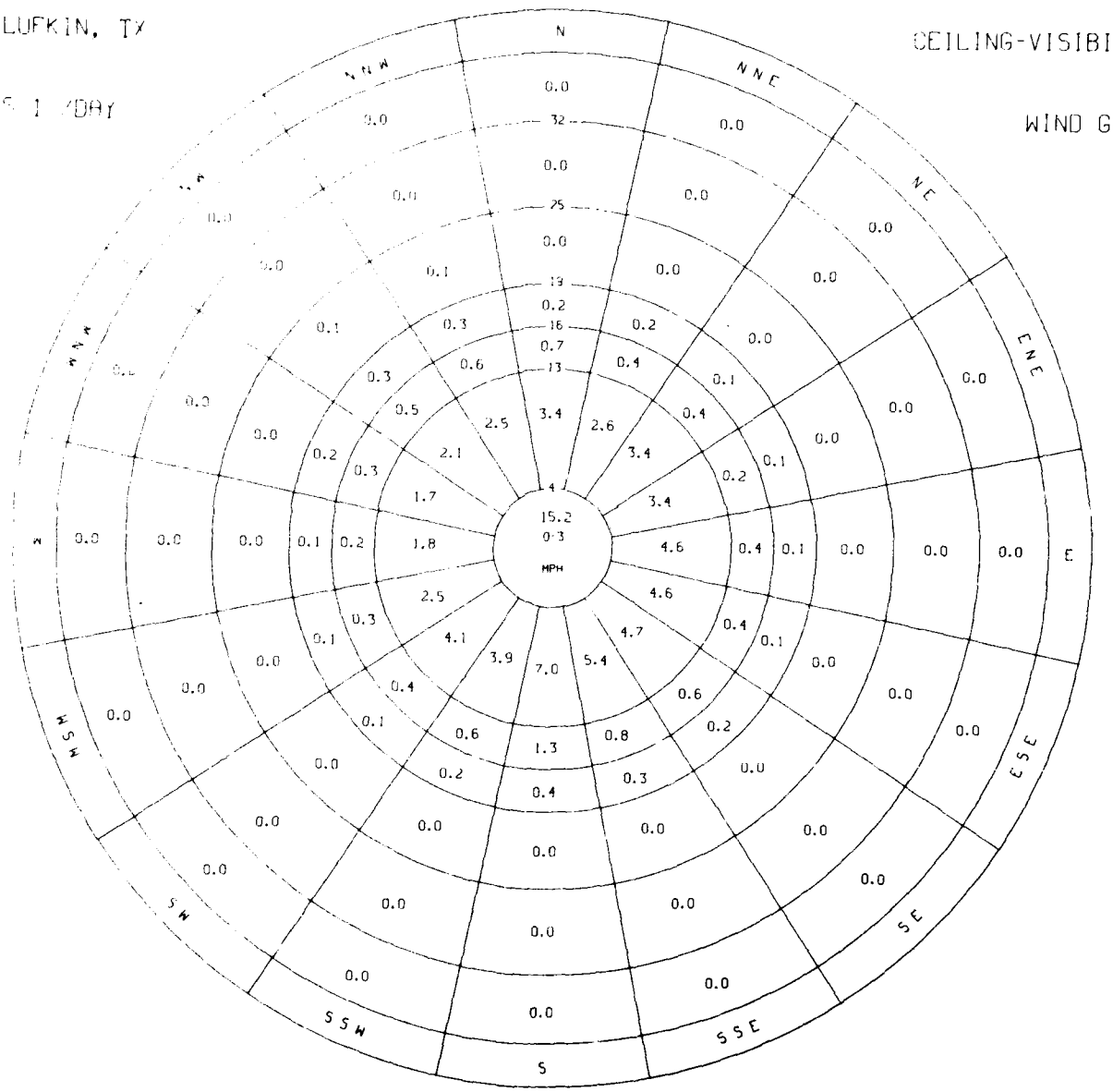


LFK LUFKIN, TX

CLASS 1 (DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1976

CLASS 1 / DAY

STATION NUMBER: 93987

NO. OBS.: 41014

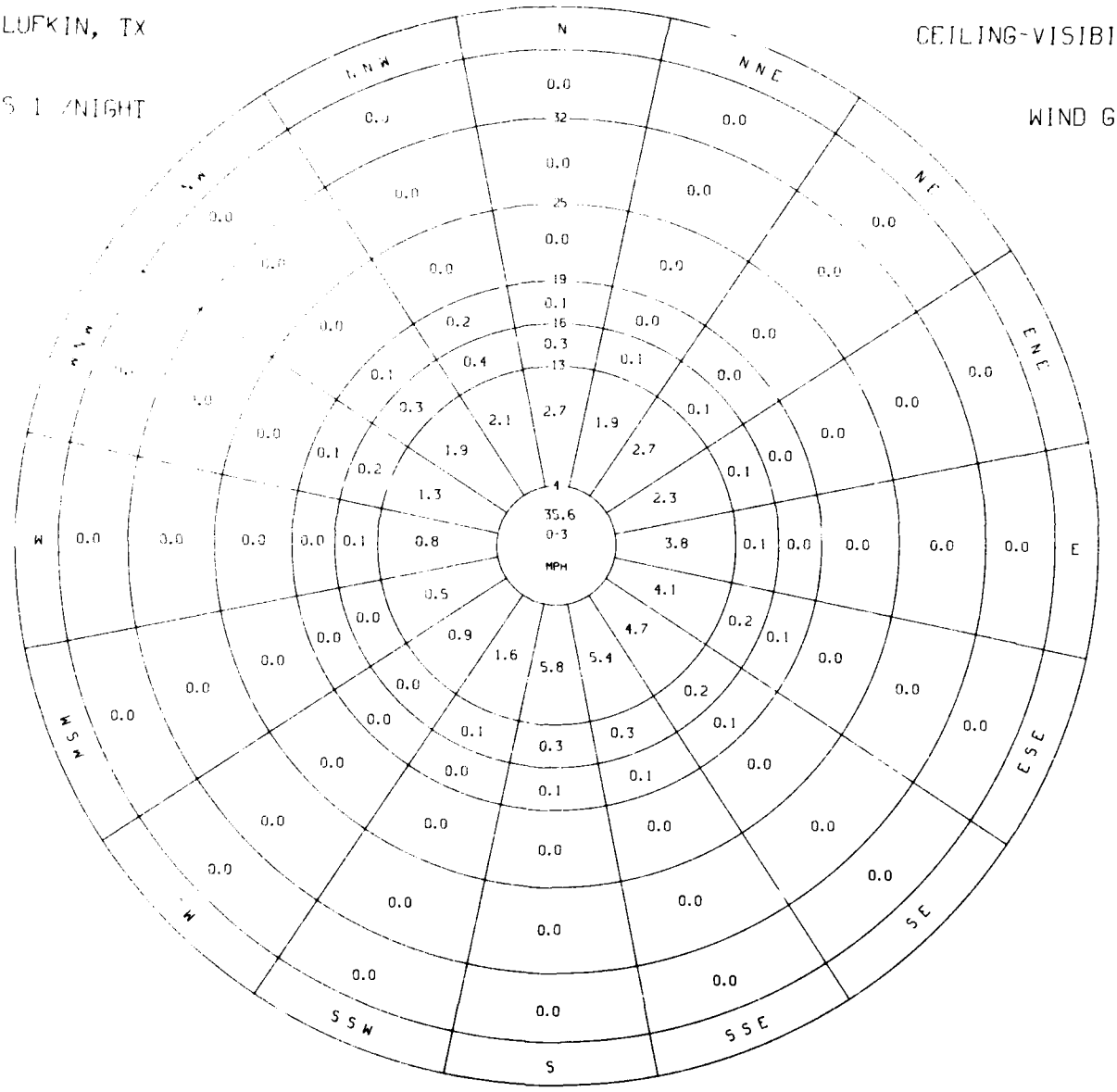
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	3.4	4.0	.7	.8	.2	.3	.0	.1	.0	.0	.0	.0	4.6	5.4	9.4
NNE	.2	.3	2.6	3.1	.4	.5	.2	.2	.0	.0	.0	.0	.0	.0	3.5	4.1	9.2
NE	.4	.4	3.4	4.0	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	4.2	5.0	8.4
ENE	.3	.4	3.4	4.0	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	4.0	4.8	8.2
E	.6	.7	4.6	5.5	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	5.7	6.7	7.9
ESE	.6	.7	4.6	5.4	.4	.5	.1	.2	.0	.0	.0	.0	.0	.0	5.8	6.8	8.3
SE	.6	.7	4.7	5.6	.6	.8	.2	.3	.0	.0	.0	.0	.0	.0	6.3	7.4	8.5
SSE	.5	.6	5.4	6.3	.8	.9	.3	.4	.0	.0	.0	.0	.0	.0	7.0	8.2	9.1
S	.7	.8	7.0	8.3	1.3	1.5	.4	.5	.0	.1	.0	.0	.0	.0	9.4	11.1	9.2
SSW	.3	.4	3.9	4.6	.6	.7	.2	.3	.0	.1	.0	.0	.0	.0	5.1	6.1	9.3
SW	.4	.5	4.1	4.8	.4	.4	.1	.1	.0	.0	.0	.0	.0	.0	5.0	5.9	8.3
WSW	.2	.3	2.5	2.9	.3	.3	.1	.1	.0	.1	.0	.0	.0	.0	3.1	3.7	8.7
W	.3	.3	1.8	2.1	.2	.3	.1	.2	.0	.0	.0	.0	.0	.0	2.4	2.9	8.8
WNW	.2	.3	1.7	2.0	.3	.4	.2	.3	.0	.1	.0	.0	.0	.0	2.5	3.0	9.6
NW	.2	.3	2.1	2.4	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.2	3.8	10.1
NNW	.2	.3	2.5	3.0	.6	.7	.3	.4	.1	.1	.0	.0	.0	.0	3.8	4.5	10.2
CALM	9.0	10.6													9.0	10.6	
TOTAL	15.2	17.9	57.6	68.0	8.2	9.7	3.1	3.7	.5	.6	.0	.0	.0	.0	84.7	100	8.9

LFK LUFKIN, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible]

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: [illegible]

NO. OBS.: 32766

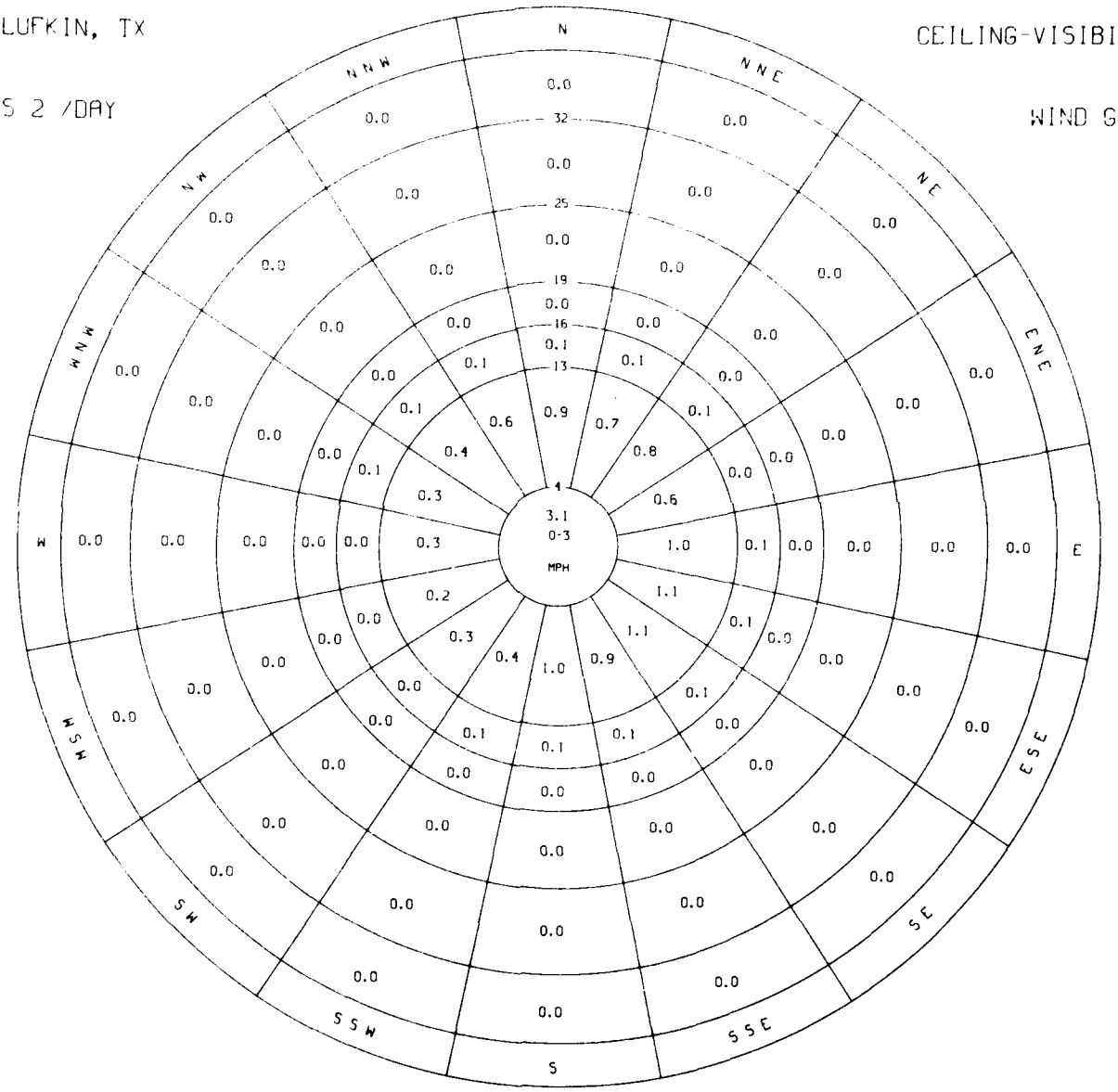
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.5	2.7	3.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.5	4.3	8.1
NNE	.3	.4	1.9	2.4	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.5	3.0	7.5
NE	.6	.8	2.7	3.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.2	6.6
ENE	.6	.7	2.3	2.8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.0	3.7	6.5
E	1.5	1.2	3.8	4.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	4.9	5.9	6.2
ESE	1.0	1.2	4.1	5.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.3	6.5	6.6
SE	1.3	1.6	4.7	5.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	6.3	7.7	6.6
SSE	.9	1.1	5.4	6.6	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	6.8	8.2	7.3
S	.9	1.1	5.8	7.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	7.0	8.6	7.3
SSW	.3	.4	1.6	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.0	2.5	7.3
SW	.3	.4	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.6	6.2
WSW	.1	.1	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.8	6.9
W	.2	.2	.8	1.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	7.3
WNW	.2	.2	1.3	1.5	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.7	2.1	8.6
NW	.3	.4	1.9	2.3	.3	.3	.1	.2	.0	.0	.0	.0	.0	.0	2.7	3.3	8.5
NNW	.4	.4	2.1	2.6	.4	.5	.2	.3	.0	.1	.0	.0	.0	.0	3.1	3.8	8.9
CALM	26.8	32.6													26.8	32.6	
TOTAL	35.6	43.3	42.7	51.9	2.8	3.4	1.0	1.2	.2	.2	.0	.0	.0	.0	82.3	100	4.8

LFK LUFKIN, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1978

CLASS 2 DAY

STATION NUMBER: 93987

NO. OBS.: 7408

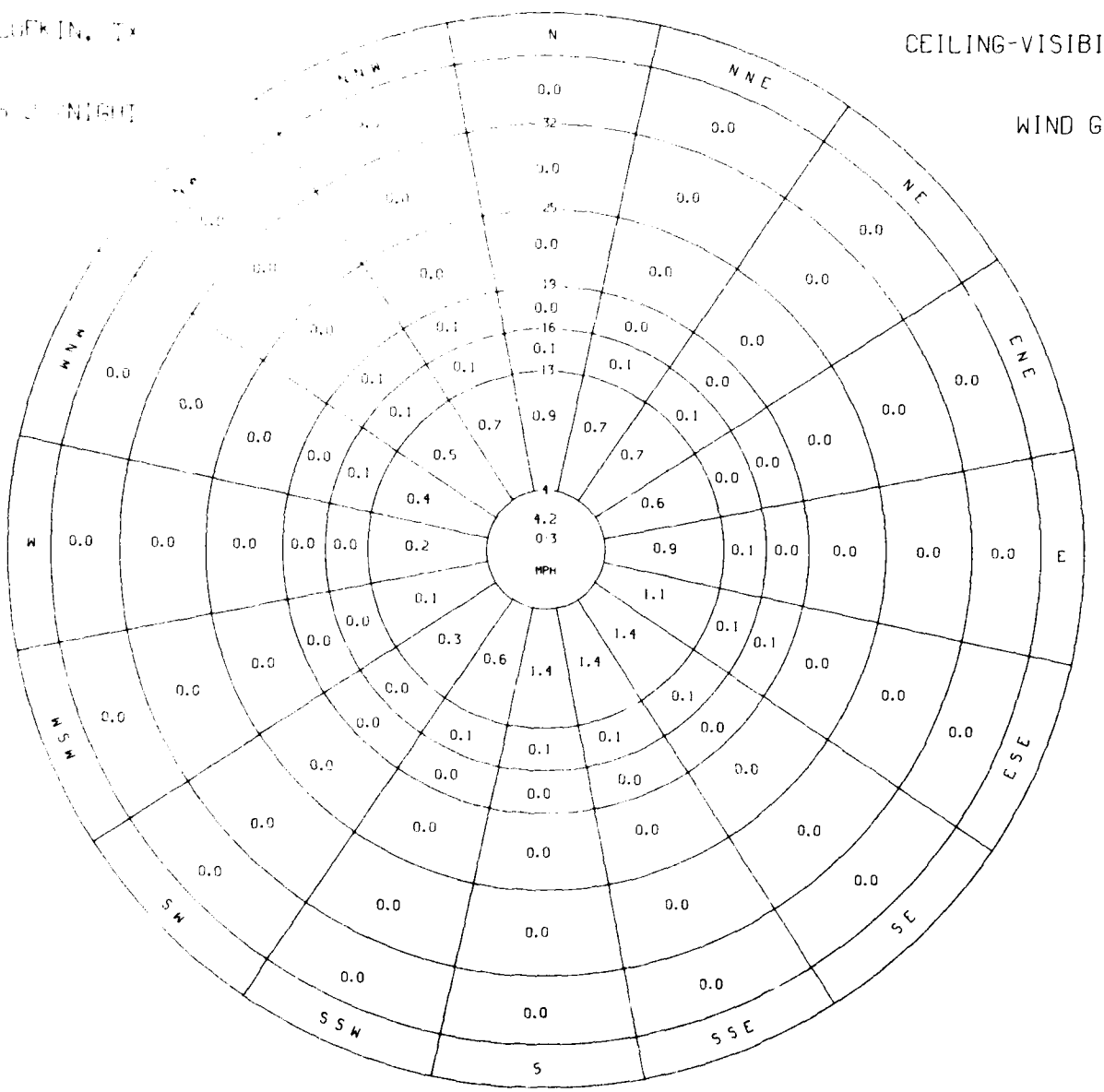
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.9	5.6	.1	.9	.0	.3	.0	.0	.0	.0	.0	.0	1.1	7.2	9.4
NNE	.0	.2	.7	4.3	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.8	5.1	9.6
NE	.1	.4	.8	5.3	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	1.0	6.4	8.7
ENE	.1	.4	.6	3.9	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7	4.7	8.5
E	.1	.7	1.0	6.2	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	1.1	7.4	7.8
ESE	.1	.6	1.1	7.1	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	1.3	8.7	8.3
SE	.1	.8	1.1	7.5	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.3	8.8	8.0
SSE	.1	.7	.9	6.1	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	1.2	7.6	8.4
S	.1	.6	1.0	6.2	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	1.2	7.7	8.5
SSW	.0	.3	.4	2.9	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6	3.6	8.3
SW	.0	.3	.3	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.7	8.1
WSW	.0	.1	.2	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.7	8.6
W	.0	.1	.3	1.7	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.2	9.3
WNW	.0	.2	.3	2.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.5	3.0	9.9
NW	.0	.2	.4	2.9	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.6	4.1	10.1
NNW	.0	.3	.6	3.6	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	.8	5.1	10.1
CALM	2.1	14.0													2.1	14.0	
TOTAL	3.1	20.2	10.5	66.4	1.3	8.3	.4	2.5	.1	.5	.0	.1	.0	.0	15.3	100	7.5

LFK LUFKIN, TX

CLASS 3 (NIGHT)

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 93987

NO. OBS.: 6959

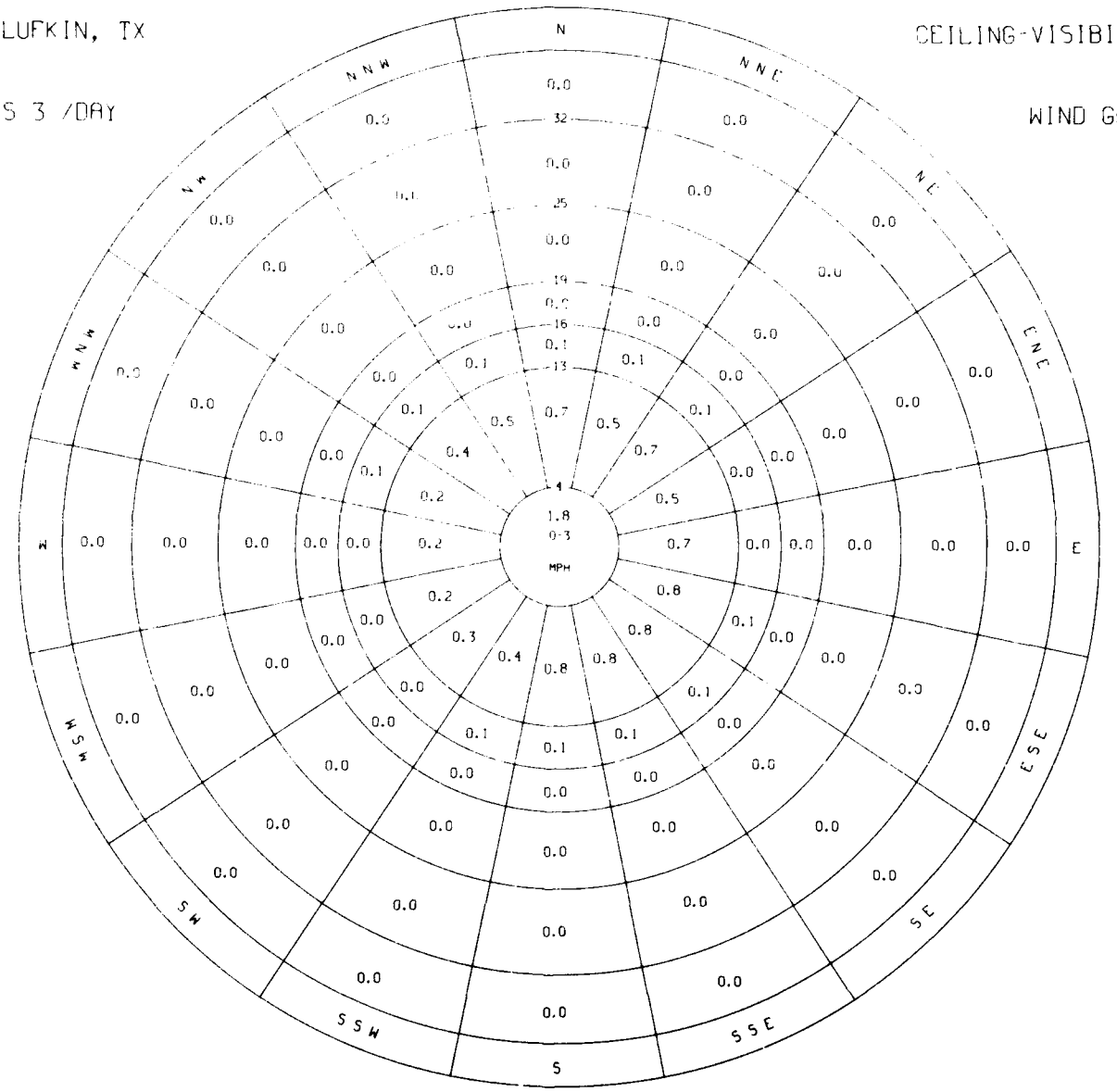
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.3	.9	5.3	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	1.1	6.4	9.1
NNE	.1	.4	.7	3.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.8	4.8	8.9
NE	.1	.3	.7	3.7	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.8	4.5	8.3
ENE	.1	.3	.6	3.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	3.8	8.3
E	.1	.6	.9	5.2	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.1	6.3	7.8
ESE	.1	.7	1.1	6.4	.1	.5	.1	.3	.0	.0	.0	.0	.0	.0	1.4	7.9	8.1
SE	.2	1.4	1.4	7.7	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	1.8	9.9	7.6
SSE	.2	.9	1.4	8.0	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	1.7	9.6	7.9
S	.1	.7	1.4	7.9	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.6	9.2	8.1
SSW	.1	.4	.6	3.2	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.7	4.1	8.1
SW	.0	.2	.3	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.9	7.6
WSW	.0	.1	.1	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.0	8.2
W	.0	.0	.2	1.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.5	9.7
WNW	.0	.1	.4	2.2	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.5	3.0	10.0
NW	.1	.3	.5	3.0	.1	.8	.1	.3	.0	.0	.0	.0	.0	.0	.8	4.5	10.0
NNW	.1	.3	.7	3.8	.1	.8	.1	.3	.0	.0	.0	.0	.0	.0	.9	5.3	9.7
CALM	2.9	16.4													2.9	16.4	
TOTAL	4.2	23.6	11.8	66.8	1.2	6.8	.4	2.4	.1	.3	.0	.1	.0	.0	17.7	100	7.0

LFK LUFKIN, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 93987

NO. OBS.: 5849

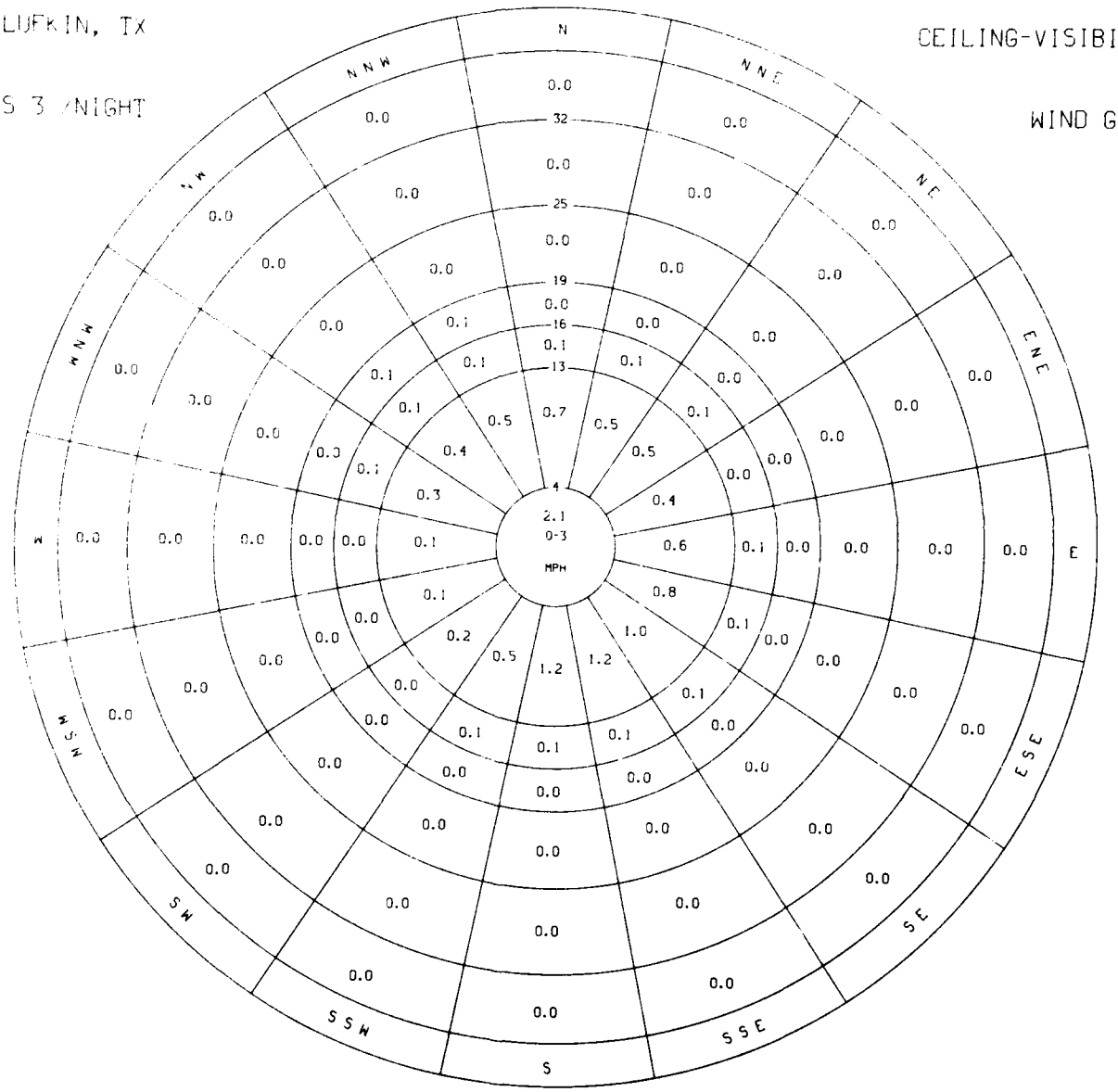
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.7	6.0	.1	1.0	.0	.3	.0	.0	.0	.0	.0	.0	.9	7.6	9.7
N N E	.0	.1	.5	4.4	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.7	5.4	9.8
N E	.0	.3	.7	5.5	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.8	6.7	9.0
E N E	.0	.4	.5	4.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.6	4.9	8.9
E	.1	.6	.7	6.2	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.9	7.3	8.1
E S E	.1	.4	.8	6.6	.1	.8	.0	.3	.0	.1	.0	.0	.0	.0	1.0	8.2	8.8
S E	.1	.7	.8	6.9	.1	.9	.0	.2	.0	.1	.0	.0	.0	.0	1.1	8.8	8.5
S S E	.1	.5	.8	6.7	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	1.0	8.2	8.8
S	.1	.5	.8	6.9	.1	1.0	.0	.2	.0	.0	.0	.0	.0	.0	1.0	8.5	8.9
S S W	.0	.4	.4	3.3	.1	.4	.0	.1	.0	.0	.0	.0	.0	.0	.5	4.2	8.5
S W	.0	.3	.3	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.1	8.3
W S W	.0	.1	.2	1.5	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.8	8.5
W	.0	.1	.2	1.9	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.4	9.3
W N W	.0	.2	.2	2.0	.1	.6	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.0	10.2
N W	.0	.1	.4	3.0	.1	.9	.0	.3	.0	.1	.0	.0	.0	.0	.5	4.4	10.5
N N W	.0	.3	.5	3.9	.1	1.0	.0	.3	.0	.1	.0	.0	.0	.0	.7	5.5	10.4
C A L M	1.2	9.8													1.2	9.8	
T O T A L	1.8	15.1	8.6	71.4	1.2	9.9	.4	2.9	.1	.5	.0	.1	.0	.0	12.1	100	8.2

LFK LUFKIN, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CFB LUFKIN, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 93987

NO. OBS.: 4961

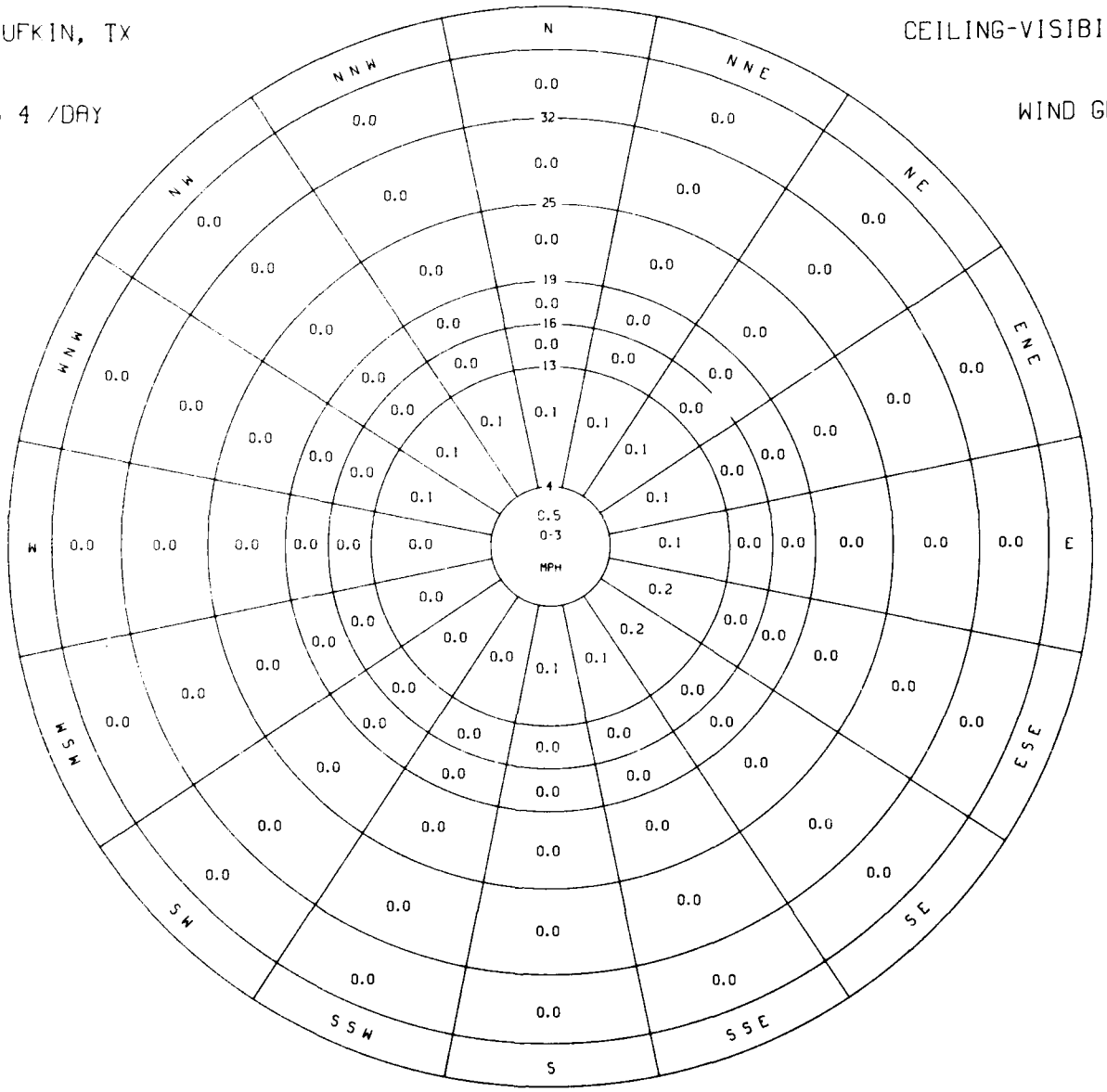
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.7	5.7	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	.9	6.9	9.6
NNE	.0	.2	.5	4.0	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.6	5.0	9.5
NE	.0	.3	.5	3.6	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.6	4.7	8.7
ENE	.0	.2	.4	3.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.5	3.6	8.8
E	.1	.5	.6	5.0	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.8	6.2	8.3
ESE	.1	.5	.8	6.0	.1	.6	.0	.3	.0	.0	.0	.0	.0	.0	1.0	7.6	8.7
SE	.2	1.2	1.0	8.1	.1	.8	.0	.3	.0	.0	.0	.0	.0	.0	1.3	10.4	8.1
SSE	.1	.9	1.2	9.3	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	1.4	11.1	8.3
S	.1	.5	1.2	9.5	.1	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.4	10.9	8.5
SSW	.0	.3	.5	3.7	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.6	4.7	8.6
SW	.0	.1	.2	1.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.1	7.9
WSW	.0	.1	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	8.4
W	.0	.1	.1	.9	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.5	10.3
WNW	.0	.1	.3	2.3	.1	.5	.0	.3	.0	.0	.0	.0	.0	.0	.4	3.1	10.4
NW	.0	.2	.4	3.2	.1	1.0	.1	.4	.0	.0	.0	.0	.0	.0	.6	4.9	10.6
NNW	.0	.2	.5	3.8	.1	1.0	.1	.5	.0	.0	.0	.0	.0	.0	.7	5.5	10.3
CALM	1.4	10.9													1.4	10.9	
TOTAL	2.1	16.8	8.9	70.6	1.1	9.0	.4	3.2	.1	.4	.0	.0	.0	.0	12.6	100	7.9

LFK LUFKIN, TX

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1943-1978

CLASS 4 / DAY

STATION NUMBER: 93987

NO. OBS.: 936

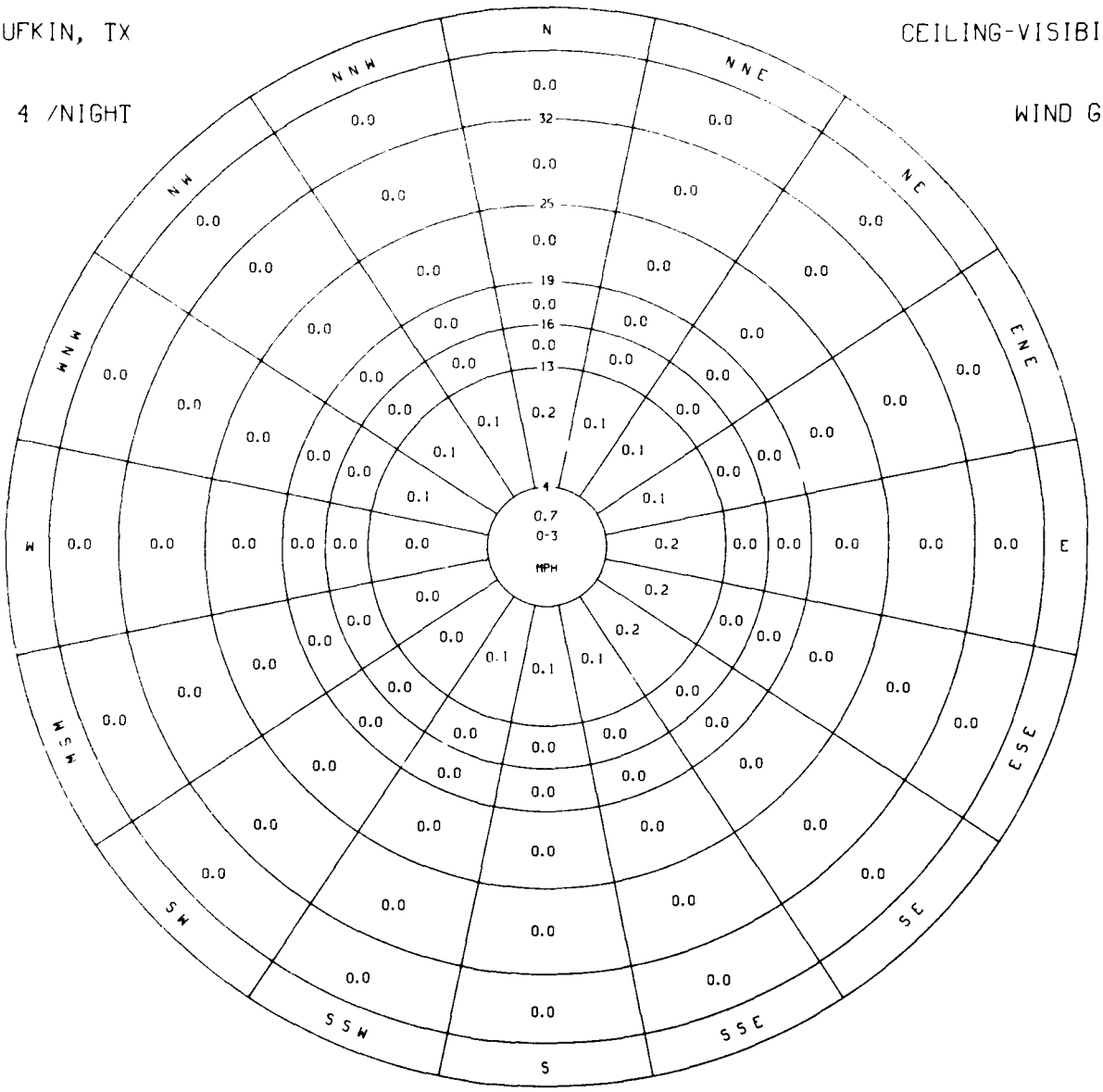
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.4	.1	5.4	.0	.7	.0	.0	.0	.1	.0	.0	.0	.0	.1	6.7	8.9
NNE	.0	.2	.1	5.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	5.4	8.7
NE	.0	.7	.1	6.1	.0	.1	.0	.0	.0	.1	.0	.1	.0	.0	.1	7.2	7.7
ENE	.0	.3	.1	4.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	7.6
E	.0	1.3	.1	7.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	9.1	7.1
ESE	.0	.9	.2	8.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.9	7.6
SE	.0	1.2	.2	8.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.0	6.6
SSE	.0	1.0	.1	4.5	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	5.7	6.9
S	.0	.4	.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	7.0
SSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	6.9
SW	.0	.2	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	7.0
WSW	.0	.1	.0	1.2	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.6	8.7
W	.0	.0	.0	1.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.3	10.1
WNW	.0	.1	.1	2.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	9.0
NW	.0	.1	.1	3.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	3.7	8.2
NNW	.0	.1	.1	3.8	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.5	9.1
CALM	.4	19.6													.4	19.6	
TOTAL	.5	26.6	1.3	68.8	.1	3.2	.0	1.0	.0	.3	.0	.1	.0	.0	1.9	100	6.2

LFK LUFKIN, TX

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 93987

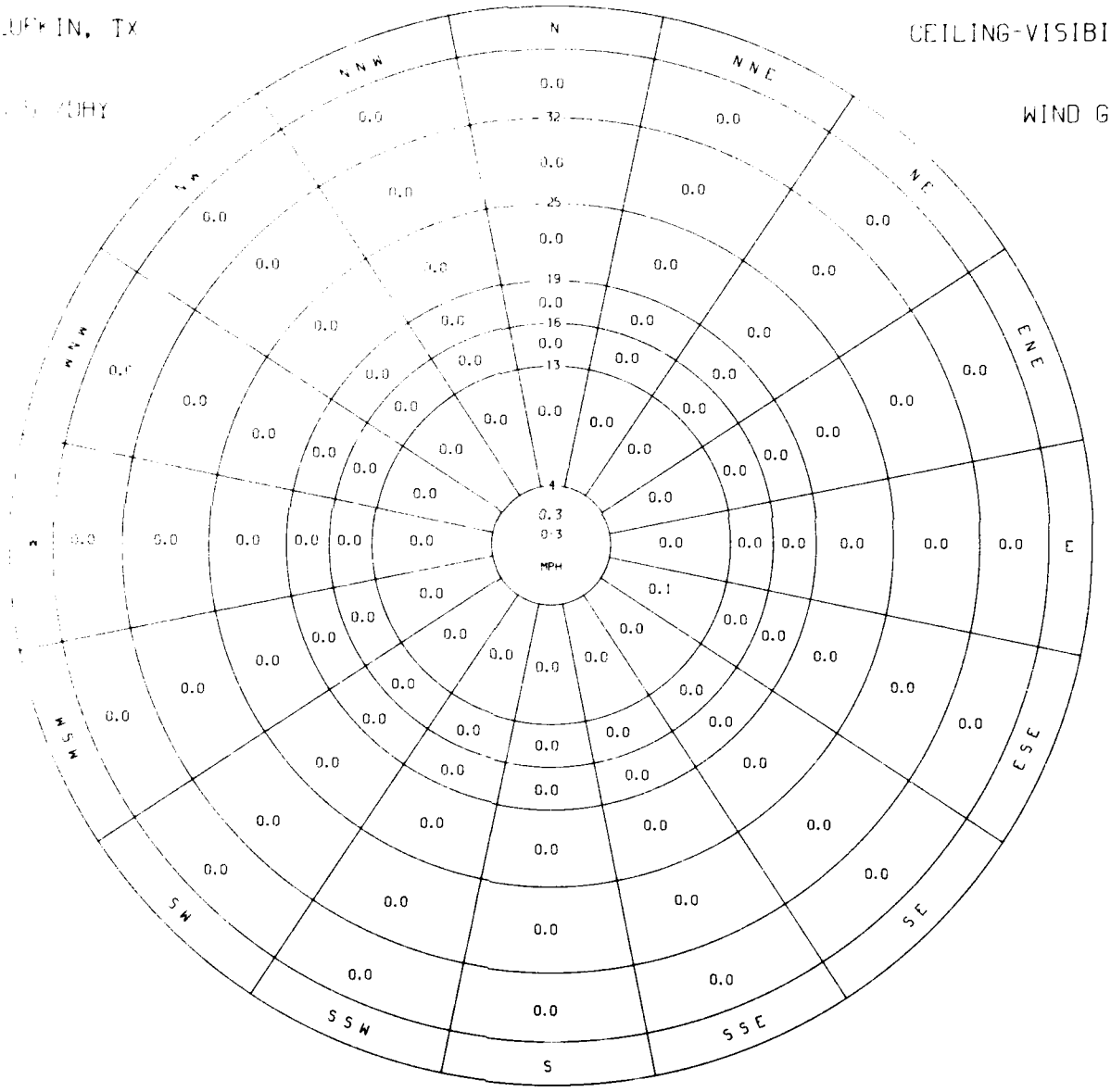
NO. OBS.: 1613

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.2	6.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.1	7.9
NNE	.0	.8	.1	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	7.7
NE	.0	.3	.1	4.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.8	7.4
ENE	.0	.7	.1	4.1	.0	.2	.0	.0	.0	.1	.0	.0	.0	.0	.1	5.1	7.5
E	.0	.8	.2	6.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	6.9	7.2
ESE	.0	.6	.2	9.1	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.3	10.0	7.8
SE	.0	1.3	.2	7.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	8.6	6.4
SSE	.0	.6	.1	5.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.8	6.7
S	.0	1.1	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	6.1
SSW	.0	.4	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	6.7
SW	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.9
WSW	.0	.2	.0	1.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.4	8.3
W	.0	.0	.0	1.4	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.6	8.2
WNW	.0	.3	.1	2.8	.0	.4	.0	.1	.0	.0	.0	.2	.0	.0	.1	3.8	9.8
NW	.0	.3	.1	3.4	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.4	9.0
NNW	.0	.5	.1	5.4	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.2	6.5	8.2
CALM	.5	20.1													.5	20.1	
TOTAL	.7	28.6	1.7	67.5	.1	2.6	.0	.9	.0	.2	.0	.2	.0	.0	2.6	100	6.0

LFK (LUFKIN, TX

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 93987

NO. OBS.: 293

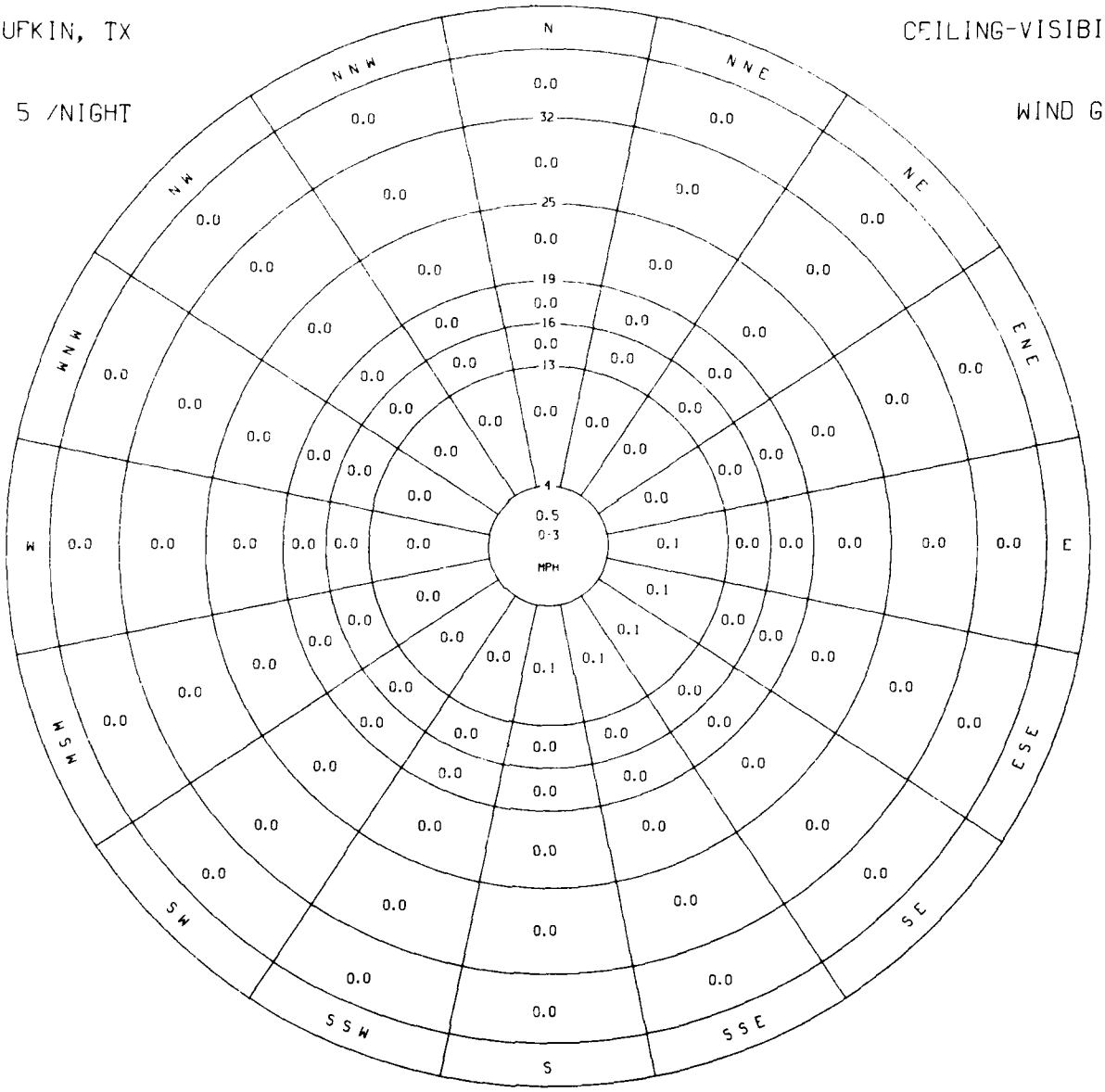
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.7	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.3
NNE	.0	.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	6.1
NE	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	3.4	7.7
ENE	.0	1.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.2
E	.0	1.0	.0	4.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	5.5	6.3
ESE	.0	2.7	.1	8.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.9	6.0
SE	.0	2.4	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.2	5.5
SSE	.0	1.7	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	4.6
S	.0	1.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	5.7
SSW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	6.0
SW	.0	.7	.0	.7	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.7	6.6
WSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	8.0
W	.0	.3	.0	1.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.7	10.4
WNW	.0	1.0	.0	.7	.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.7	8.9
NW	.0	.3	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.7
NNW	.0	.3	.0	1.0	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.0	8.7
CALM	.2	38.2													.2	38.2	
TOTAL	.3	52.9	.3	43.3	.0	1.7	.0	1.4	.0	.3	.0	.3	.0	.0	.6	100	3.9

LFK LUFKIN, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 93987

NO. OBS.: 424

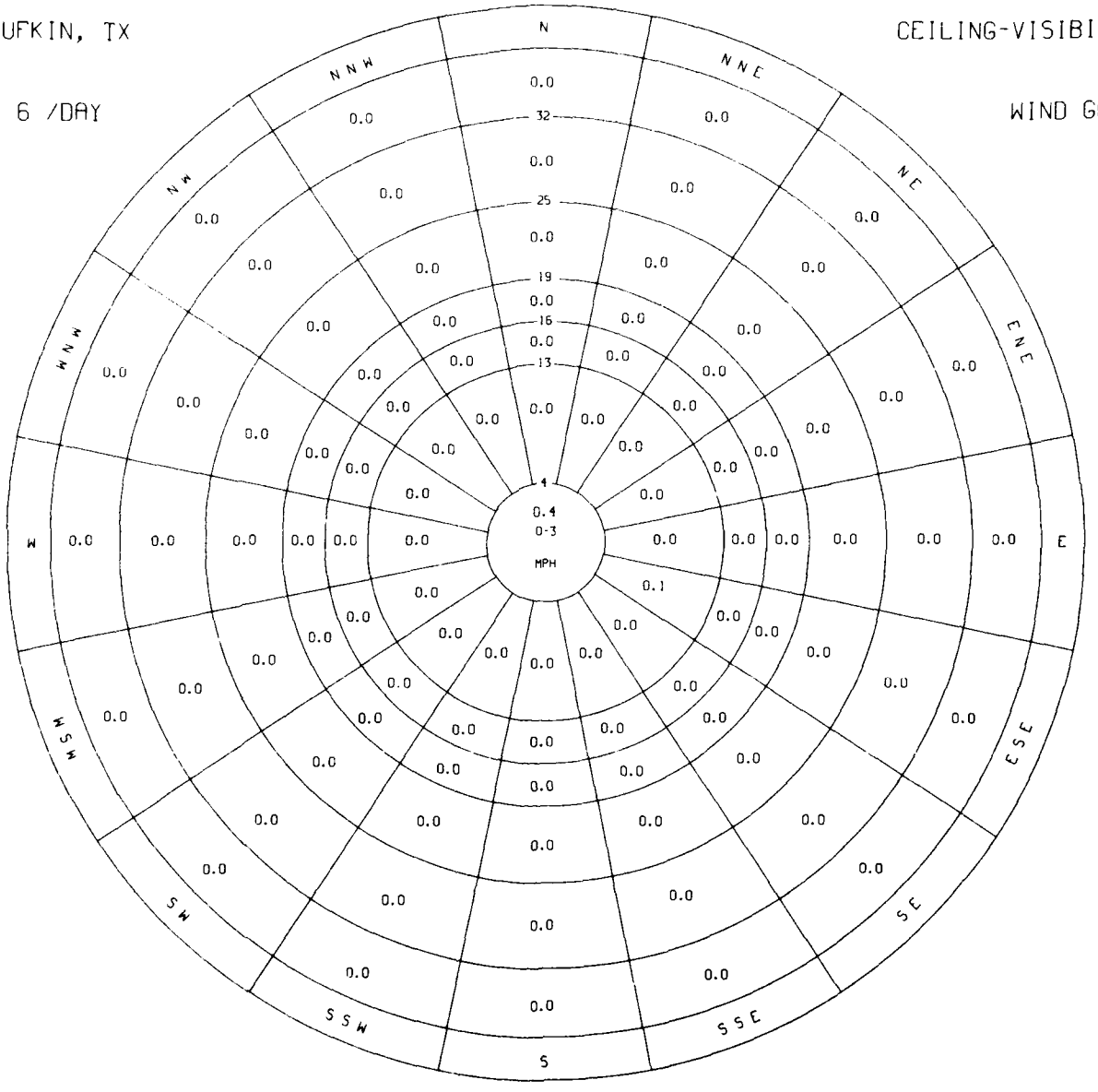
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	6.3
NNE	.0	.9	.0	2.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.0
NE	.0	.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	6.8
ENE	.0	.2	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.1
E	.0	.7	.1	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	6.4
ESE	.0	1.4	.1	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	6.0
SE	.0	1.7	.1	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.2	5.5
SSE	.0	1.7	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	5.8
S	.0	1.2	.1	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	6.4
SSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.3
SW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.6
WSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.6
W	.0	.0	.0	1.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	9.3
WNW	.0	.2	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	7.2
NW	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	4.0	7.0
NNW	.0	.7	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	7.1
CALM	.3	32.3													.3	32.3	
TOTAL	.5	42.7	.6	56.6	.0	.5	.0	.0	.0	.2	.0	.0	.0	.0	1.1	100	4.4

LFK LUFKIN, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEE LUFKIN, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 93987

NO. OBS.: 330

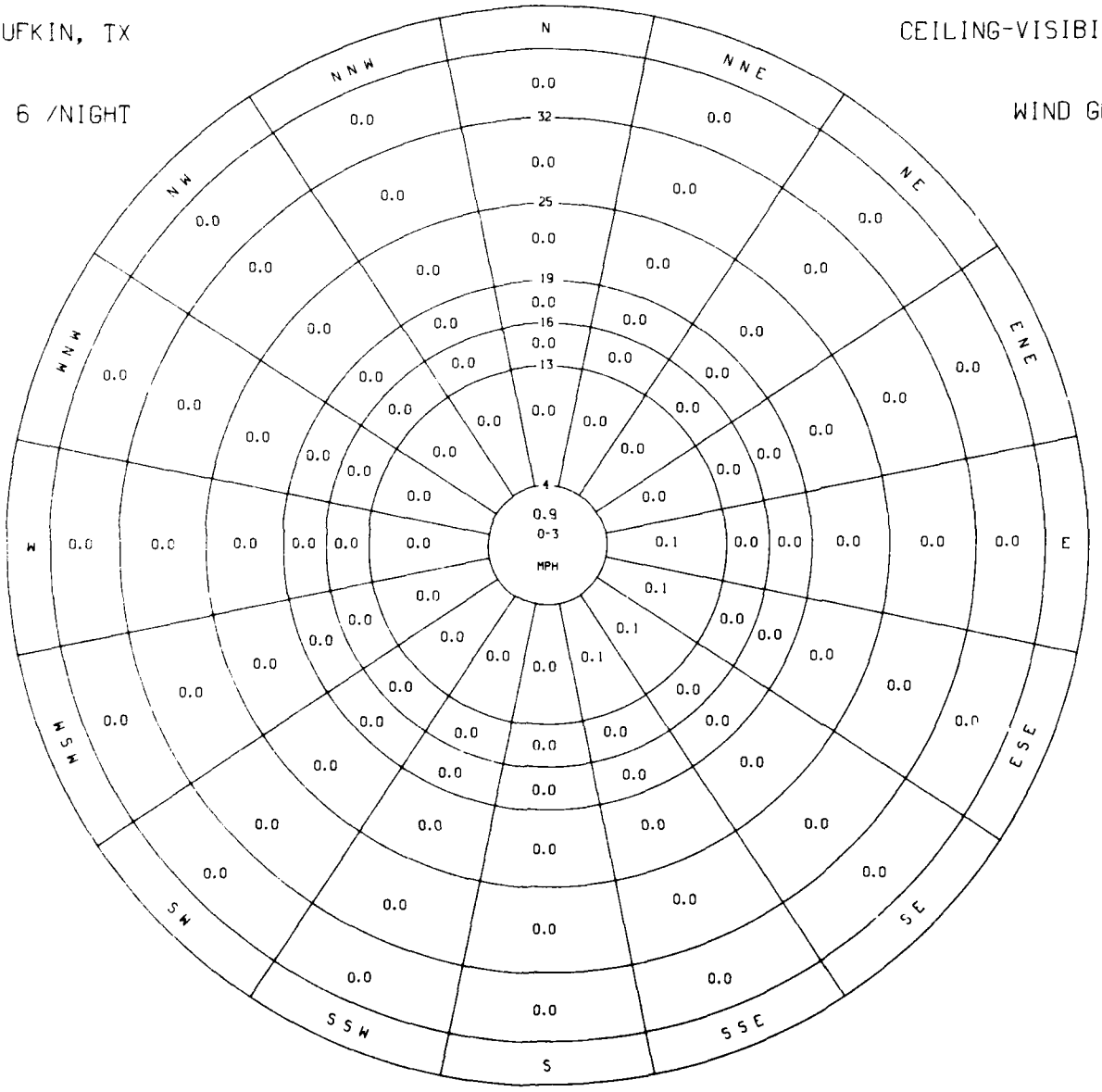
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.8
NNE	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.5
NE	.0	.9	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.3
ENE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.6
E	.0	1.2	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.0
ESE	.0	1.2	.1	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.2	6.0
SE	.0	.9	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	5.3
SSE	.0	2.1	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	4.5
S	.0	1.8	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	5.4
SSW	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.0
SW	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	3.5
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.0
WNW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
NW	.0	.6	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	5.6
NNW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.2
CALM	.4	51.5													.4	51.5	
TOTAL	.4	63.0	.2	36.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	100	2.7

LFK LUFKIN, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LFK LUFKIN, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 93987

NO. OBS.: 561

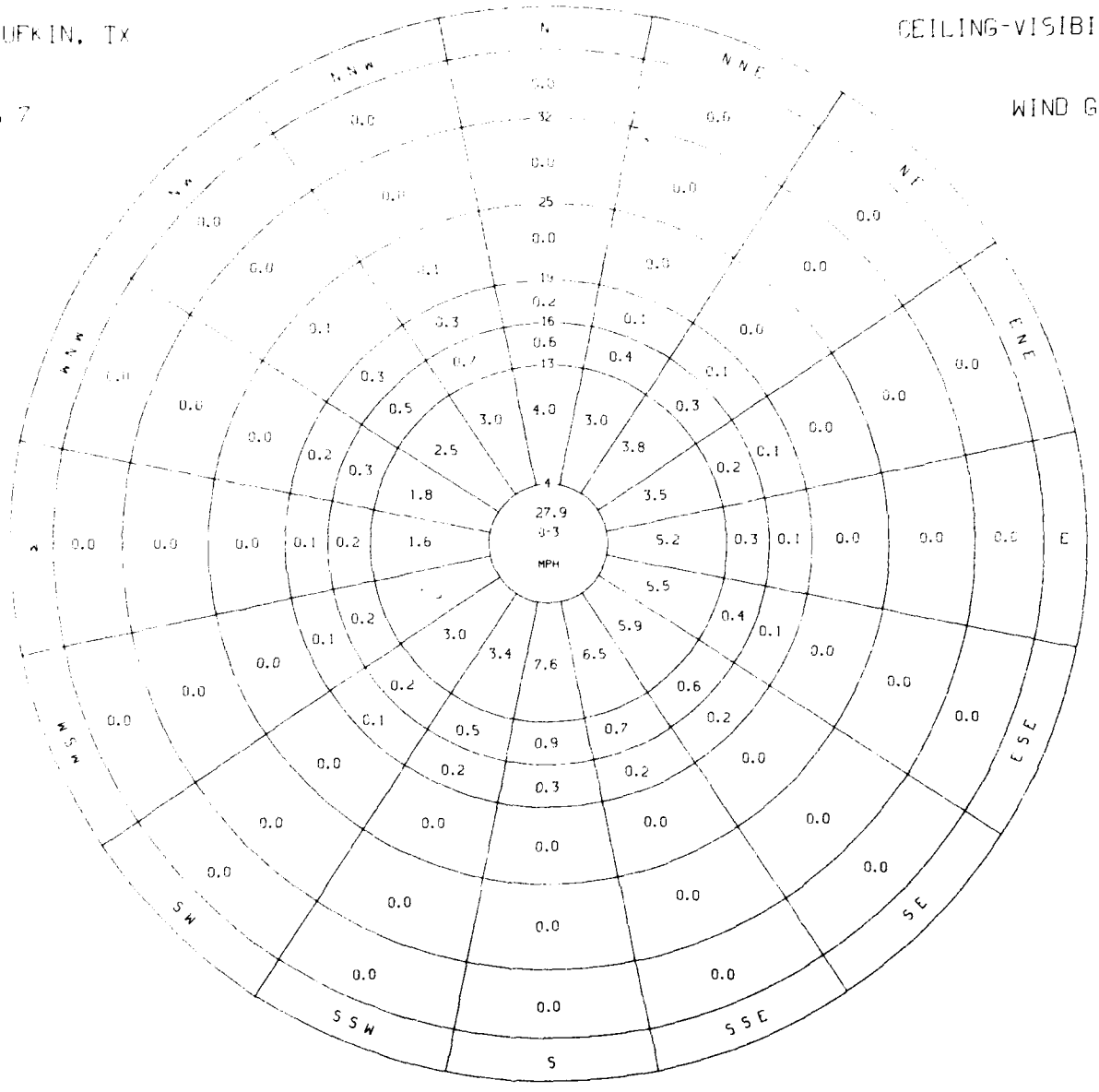
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.5	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.9
NNE	.0	.9	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.7
NE	.0	.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.8
ENE	.0	.4	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.5
E	.0	1.4	.1	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.1	5.5
ESE	.0	2.0	.1	5.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	8.0	5.6
SE	.0	2.9	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	5.5
SSE	.0	1.1	.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.3	5.5
S	.0	.9	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	5.8
SSW	.0	1.2	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	5.0
SW	.0	.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.9
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.5
W	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
WNW	.0	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.7
NW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	4.7
NNW	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.3
CALM	.7	47.1													.7	47.1	
TOTAL	.9	60.6	.6	39.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	1.4	100	3.0

LFK LUFKIN, TX

CEILING-VISIBILITY

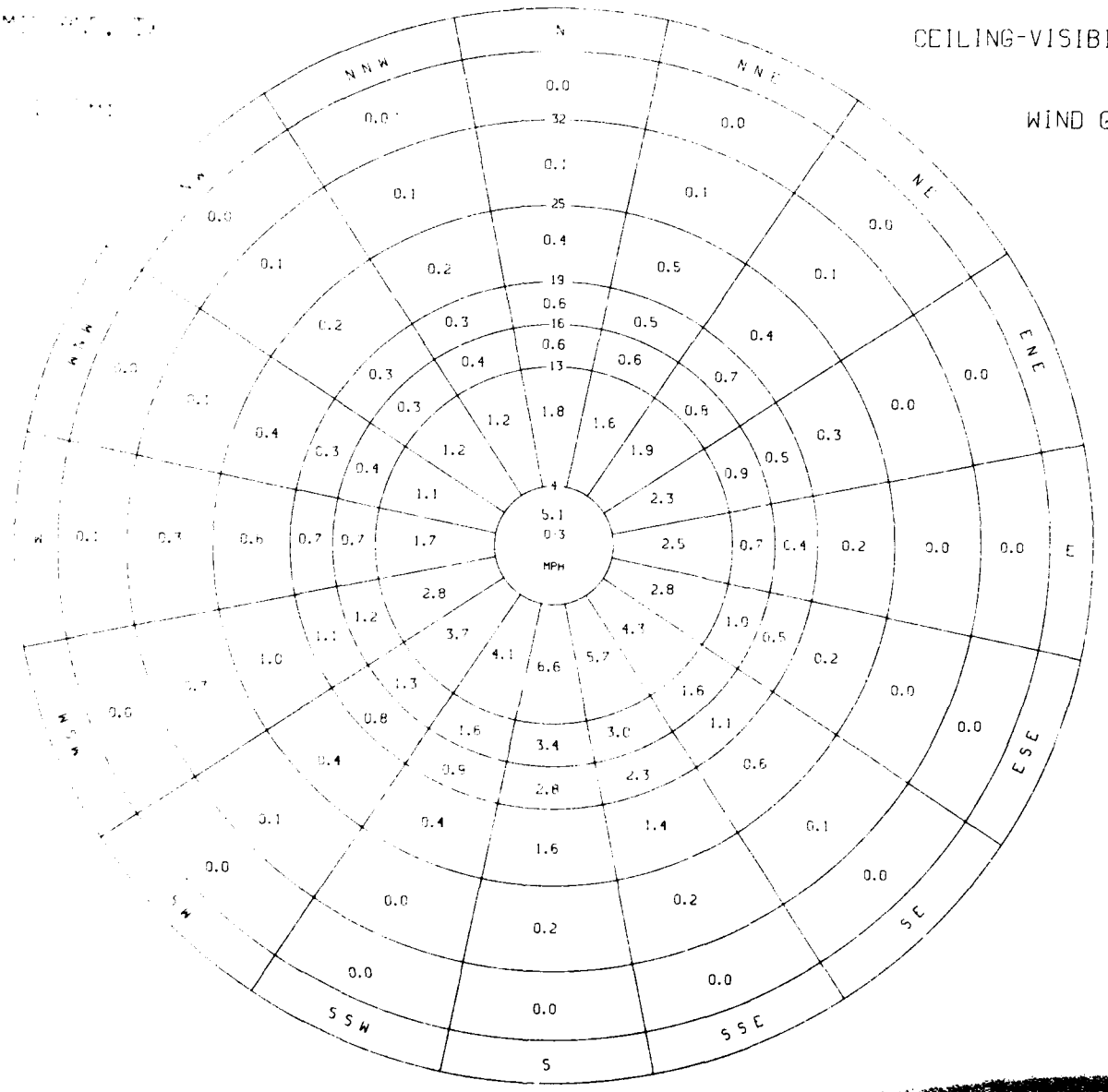
CLASS 7

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 23023

NO. OBS.: 39098

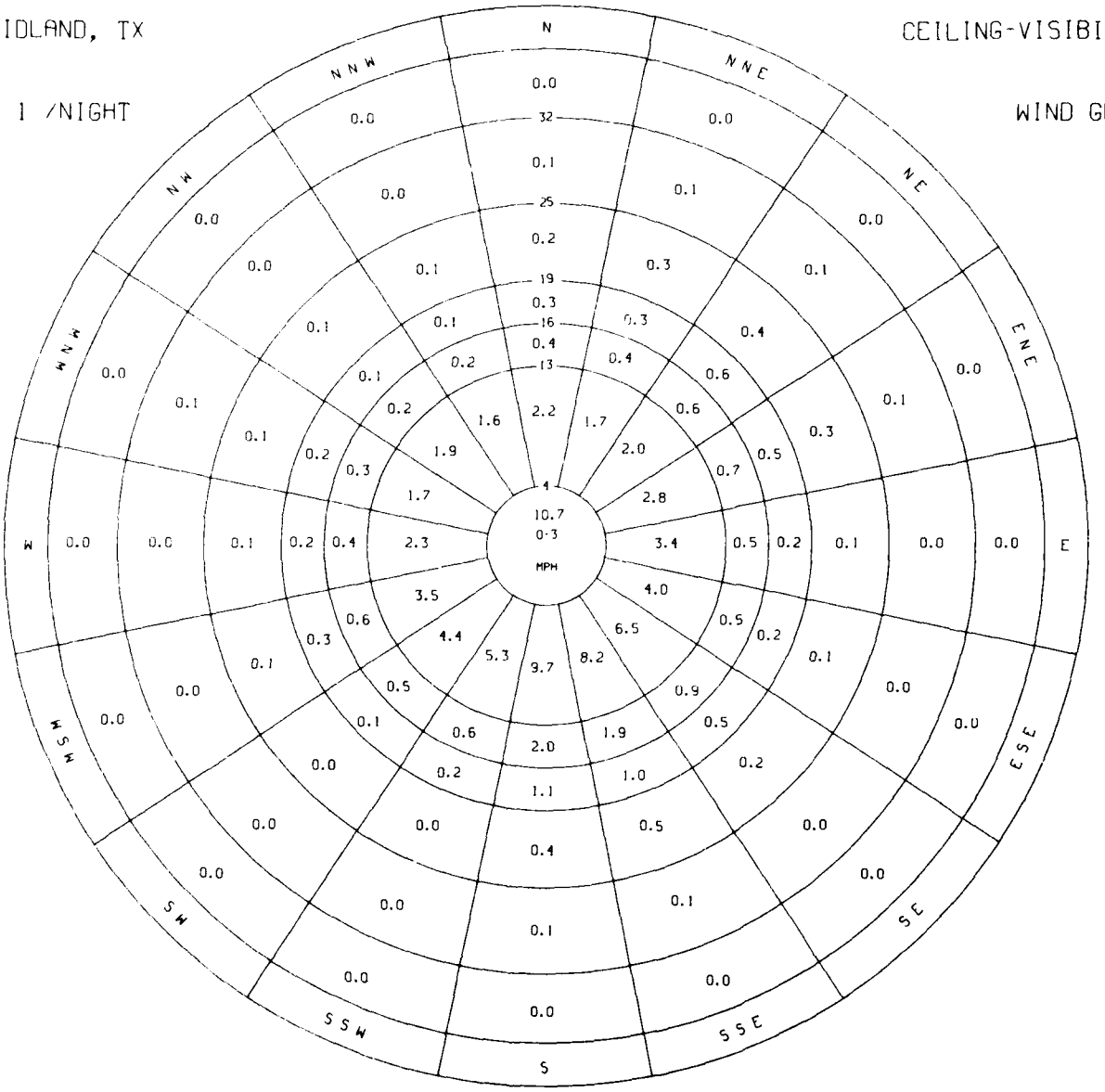
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.2	.2	1.8	1.9	.6	.6	.6	.7	.4	.4	.1	.1	.0	.0	3.6	3.9	12.4
NNE	.1	.1	1.6	1.7	.6	.6	.5	.6	.5	.5	.1	.1	.0	.0	3.4	3.6	13.3
NE	.1	.2	1.9	2.1	.8	.9	.7	.7	.4	.5	.1	.1	.0	.0	4.1	4.4	12.8
ENE	.1	.1	2.3	2.5	.9	1.0	.5	.6	.3	.3	.0	.0	.0	.0	4.2	4.5	11.7
E	.1	.1	2.5	2.7	.7	.8	.4	.4	.2	.2	.0	.0	.0	.0	4.0	4.3	10.8
ESE	.2	.2	2.8	3.0	1.0	1.0	.5	.6	.2	.2	.0	.0	.0	.0	4.7	5.1	11.2
SE	.3	.3	4.3	4.6	1.6	1.7	1.1	1.1	.6	.6	.1	.1	.0	.0	7.8	8.4	11.8
SSE	.2	.2	5.7	6.1	3.0	3.2	2.3	2.5	1.4	1.5	.2	.2	.0	.0	12.8	13.7	13.1
S	.3	.3	6.6	7.1	3.4	3.7	2.8	3.0	1.6	1.7	.2	.2	.0	.0	14.8	15.9	13.0
SSW	.2	.2	4.1	4.4	1.6	1.7	.9	1.0	.4	.4	.0	.0	.0	.0	7.2	7.7	11.6
SW	.2	.2	3.7	3.9	1.3	1.4	.8	.9	.4	.5	.1	.1	.0	.0	6.4	6.9	11.7
WSW	.1	.1	2.8	3.0	1.2	1.3	1.1	1.2	1.0	1.1	.3	.3	.0	.0	6.5	7.0	14.0
W	.1	.1	1.7	1.8	.7	.7	.7	.8	.6	.6	.3	.3	.1	.1	4.2	4.5	14.4
WNW	.1	.1	1.1	1.2	.4	.5	.3	.4	.4	.4	.1	.1	.0	.0	2.6	2.8	13.7
NW	.1	.1	1.2	1.3	.3	.4	.3	.3	.2	.2	.1	.1	.0	.0	2.2	2.4	11.8
NNW	.1	.1	1.2	1.3	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	2.1	2.3	11.7
CALM	2.6	2.8													2.6	2.8	
TOTAL	5.1	5.5	45.2	48.5	18.4	19.8	13.8	14.8	8.7	9.3	1.8	1.9	.2	.2	93.2	100	12.2

MAF MIDLAND, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 23023

NO. OBS.: 31459

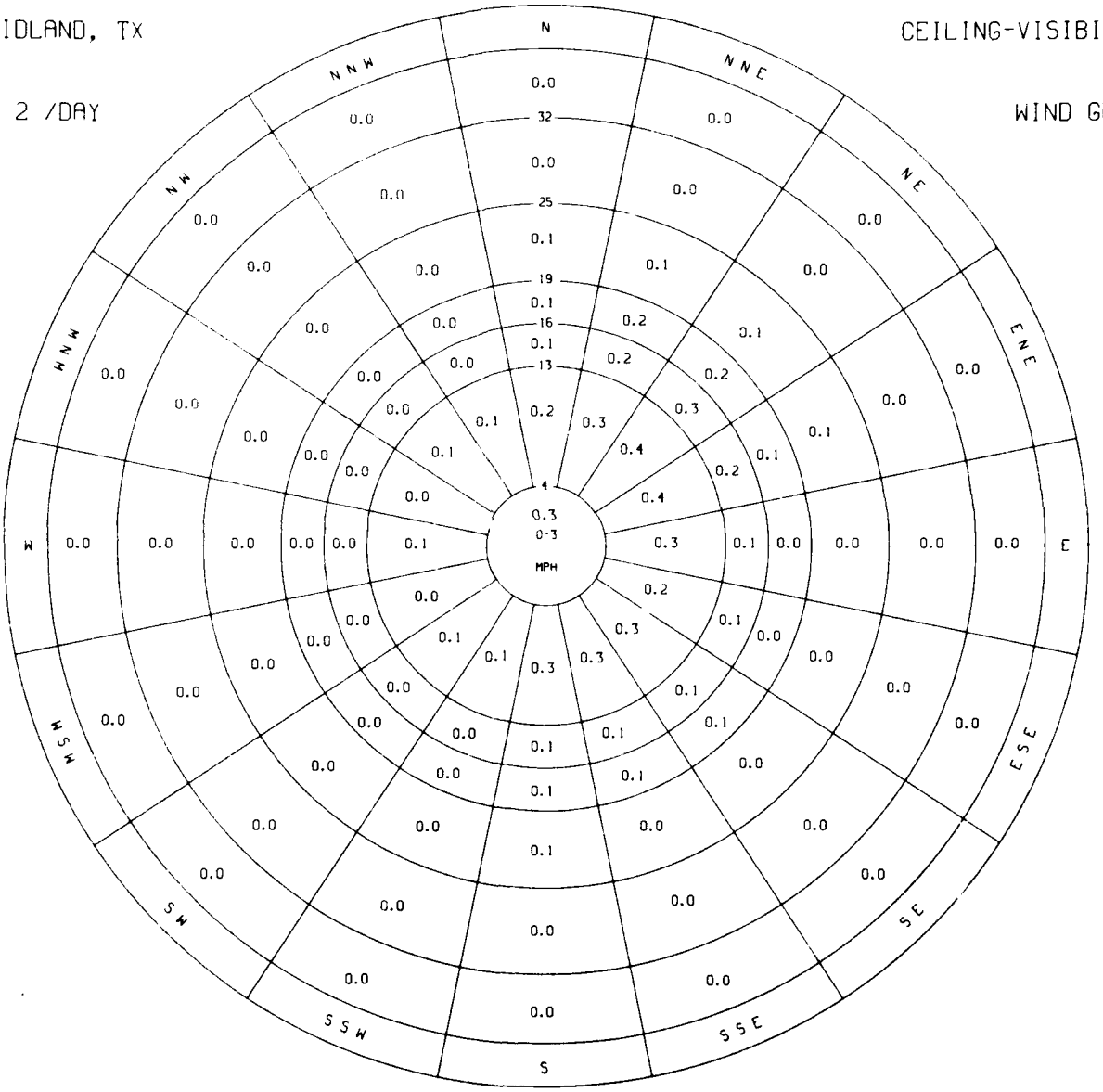
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.2	.3	2.2	2.4	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	3.5	3.8	10.4
NNE	.1	.1	1.7	1.8	.4	.5	.3	.3	.3	.4	.1	.1	.0	.0	2.9	3.2	12.0
NE	.2	.2	2.0	2.2	.6	.7	.6	.6	.4	.4	.1	.1	.0	.0	4.0	4.3	12.1
ENE	.1	.1	2.8	3.0	.7	.8	.5	.5	.3	.3	.1	.1	.0	.0	4.5	4.8	11.3
E	.2	.2	3.4	3.6	.5	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.4	4.8	9.4
ESE	.3	.3	4.0	4.3	.5	.5	.2	.3	.1	.1	.0	.0	.0	.0	5.1	5.5	8.9
SE	.7	.7	6.5	7.1	.9	1.0	.5	.5	.2	.2	.0	.0	.0	.0	8.8	9.5	8.9
SSE	.5	.6	8.2	8.9	1.9	2.0	1.0	1.1	.5	.6	.1	.1	.0	.0	12.2	13.2	10.4
S	.7	.7	9.7	10.5	2.0	2.2	1.1	1.2	.4	.4	.1	.1	.0	.0	14.0	15.2	9.9
SSW	.4	.4	5.3	5.7	.6	.6	.2	.2	.0	.1	.0	.0	.0	.0	6.4	6.9	8.6
SW	.5	.5	4.4	4.8	.5	.5	.1	.1	.0	.0	.0	.0	.0	.0	5.5	6.0	8.4
WSW	.3	.3	3.5	3.8	.6	.6	.3	.3	.1	.1	.0	.0	.0	.0	4.8	5.2	9.6
W	.3	.3	2.3	2.5	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.4	3.7	9.5
WNW	.1	.2	1.7	1.9	.3	.3	.2	.2	.1	.1	.1	.1	.0	.0	2.5	2.7	9.9
NW	.2	.2	1.9	2.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.5	2.7	8.9
NNW	.2	.2	1.6	1.7	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.2	2.4	9.3
CALM	5.7	6.2													5.7	6.2	
TOTAL	10.7	11.6	61.2	66.2	10.7	11.6	5.9	6.4	3.3	3.5	.6	.7	.1	.1	92.5	100	9.2

MAF MIDLAND, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, Tx

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 23023

NO. OBS.: 2863

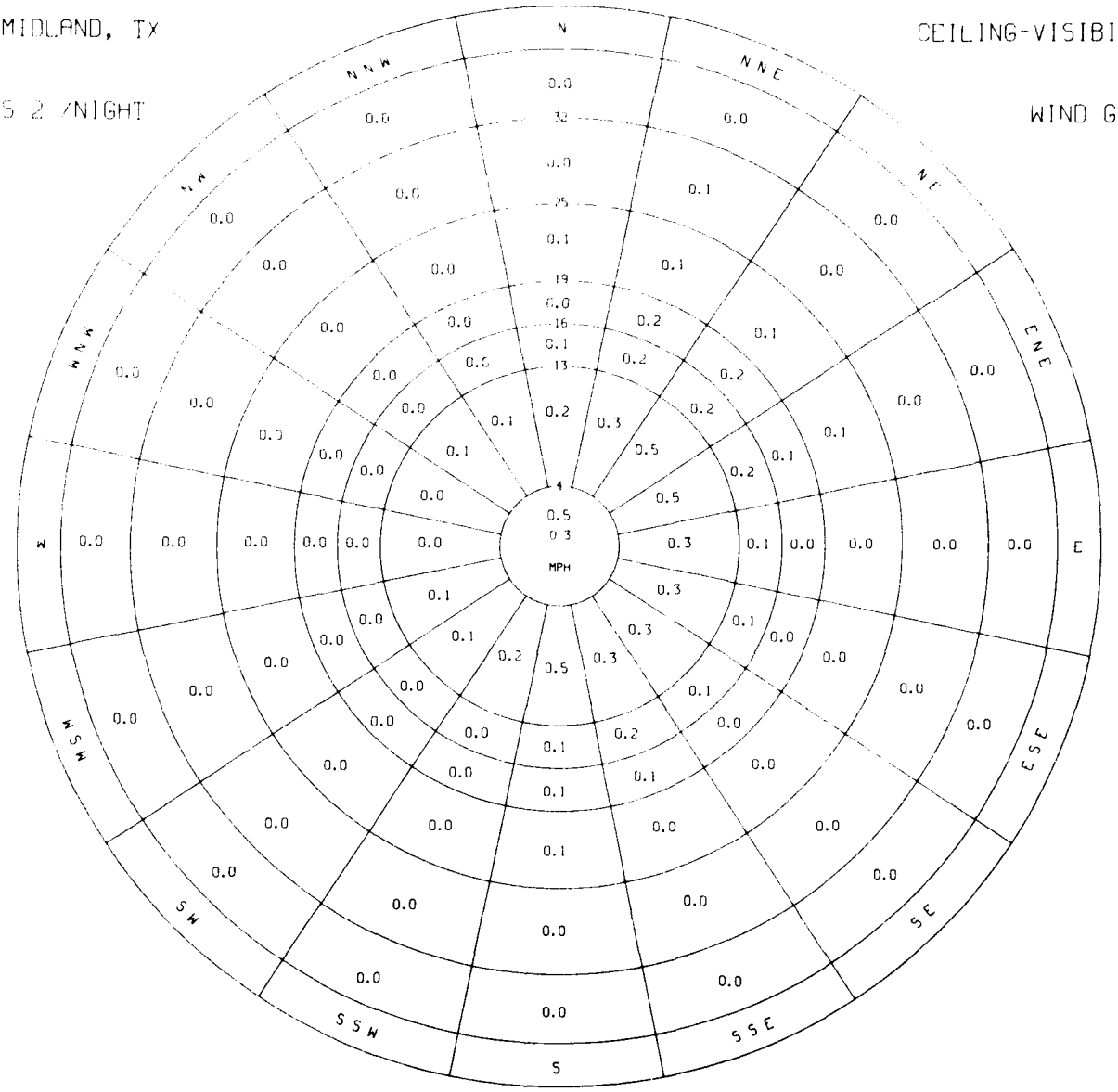
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	P	A	B	A	B	A	B	C	D	
N	.0	.2	.2	2.6	.1	1.1	.1	1.1	.1	1.5	.0	.3	.0	.1	.5	7.1	14.8
NNE	.0	.2	.3	5.1	.2	2.8	.2	2.4	.1	2.1	.0	.4	.0	.1	.9	13.1	14.2
NE	.0	.3	.4	6.4	.3	4.4	.2	3.6	.1	1.7	.0	.4	.0	.1	1.1	16.8	13.9
ENE	.0	.1	.4	5.9	.2	2.4	.1	1.4	.1	.8	.0	.1	.0	.0	.7	10.7	12.4
E	.0	.1	.3	4.6	.1	1.7	.0	.7	.0	.4	.0	.0	.0	.0	.5	7.5	11.3
ESE	.0	.1	.2	3.5	.1	1.2	.0	.3	.0	.2	.0	.0	.0	.0	.4	5.4	11.0
SE	.0	.2	.3	3.7	.1	1.2	.1	.8	.0	.1	.0	.0	.0	.0	.4	6.1	11.2
SSE	.0	.2	.3	3.8	.1	1.5	.1	1.4	.0	.6	.0	.0	.0	.0	.5	7.6	12.2
S	.0	.2	.3	4.5	.1	1.7	.1	1.8	.1	1.0	.0	.1	.0	.0	.6	9.3	12.8
SSW	.0	.1	.1	2.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.2	2.9	10.4
SW	.0	.0	.1	1.1	.0	.3	.0	.0	.0	.2	.0	.1	.0	.0	.1	1.7	12.1
WSW	.0	.1	.0	.6	.0	.1	.0	.2	.0	.5	.0	.3	.0	.1	.1	2.0	16.9
W	.0	.2	.1	.8	.0	.0	.0	.2	.0	.2	.0	.1	.0	.2	.1	1.7	15.1
WNW	.0	.0	.0	.7	.0	.1	.0	.1	.0	.2	.0	.1	.0	.1	.1	1.3	15.9
NW	.0	.1	.1	1.1	.0	.1	.0	.1	.0	.3	.0	.1	.0	.1	.1	1.9	13.4
NNW	.0	.2	.1	1.2	.0	.3	.0	.5	.0	.4	.0	.2	.0	.0	.2	2.9	13.9
CALM	.1	2.1													.1	2.1	
TOTAL	.3	4.3	3.3	47.7	1.3	19.3	1.0	14.8	.7	10.5	.2	2.4	.1	.9	6.8	100	12.8

MAF MIDLAND, TX

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, Tx

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 23023

NO. OBS.: 2541

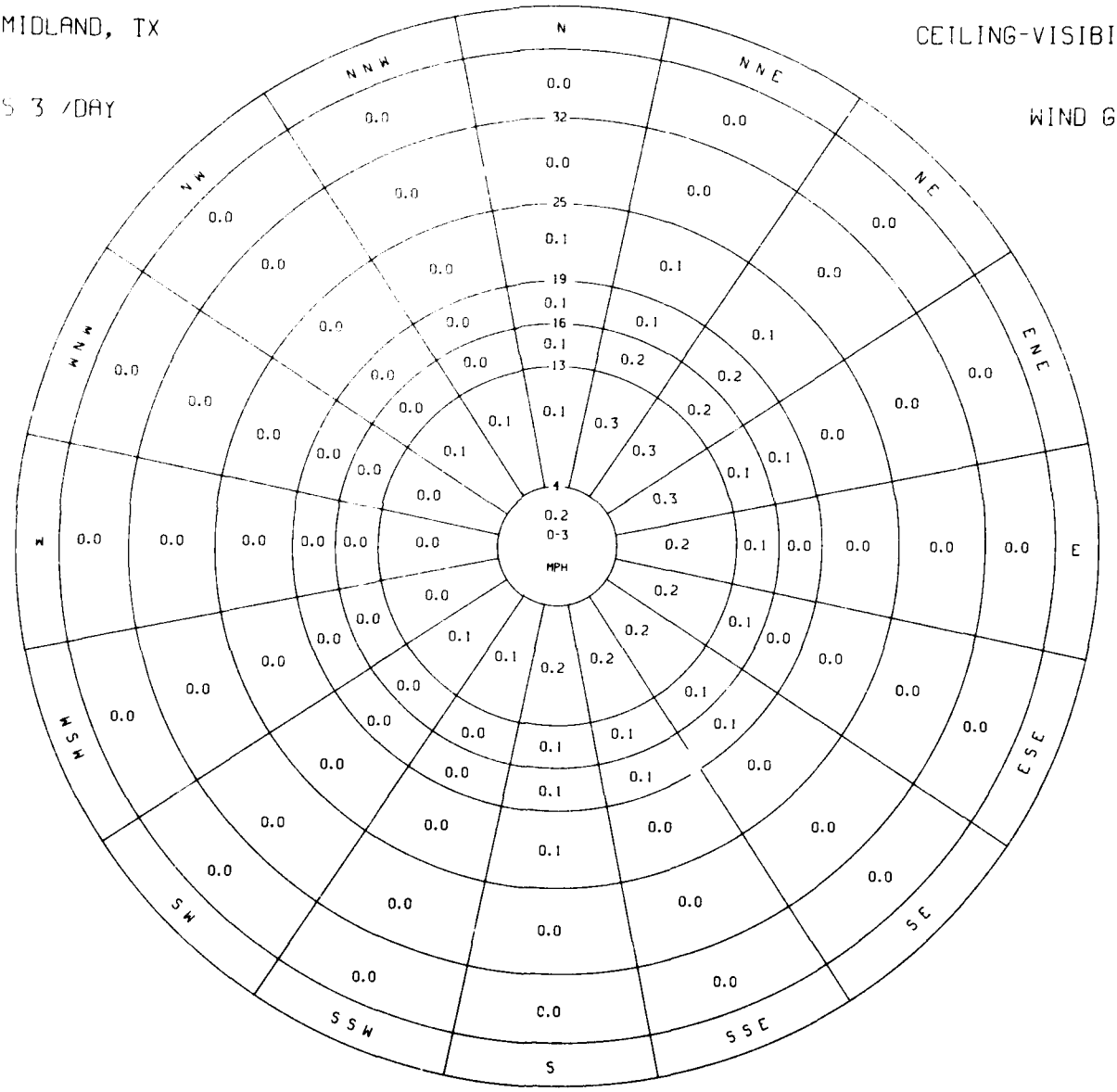
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.2	2.8	.1	1.0	.0	.6	.1	1.0	.0	.1	.0	.1	.5	5.3	13.3
NNE	.0	.2	.3	4.5	.2	2.1	.2	2.4	.1	1.5	.1	.7	.0	.1	.9	11.5	14.4
NE	.0	.3	.5	6.9	.2	3.0	.2	2.6	.1	1.5	.0	.5	.0	.0	1.1	14.7	13.2
ENE	.0	.3	.5	6.5	.2	3.2	.1	1.6	.1	.7	.0	.1	.0	.1	.9	12.4	12.3
E	.0	.3	.3	4.7	.1	1.2	.0	.7	.0	.4	.0	.1	.0	.0	.6	7.4	10.9
ESE	.0	.2	.3	4.2	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.4	5.5	9.9
SE	.0	.2	.3	4.5	.1	.9	.0	.4	.0	.1	.0	.0	.0	.0	.5	6.1	9.6
SSE	.0	.1	.3	4.2	.2	2.1	.1	1.7	.0	.6	.0	.0	.0	.0	.6	8.6	12.7
S	.0	.0	.5	6.2	.1	1.8	.1	1.7	.1	1.3	.0	.0	.0	.0	.8	11.1	12.2
SSW	.0	.2	.2	2.8	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.6	9.1
SW	.0	.1	.1	1.7	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.2	8.7
WSW	.0	.4	.1	.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	7.0
W	.0	.2	.0	.6	.0	.1	.0	.0	.0	.2	.0	.0	.0	.0	.1	1.1	11.3
WNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	.1	.9	16.2
NW	.0	.1	.1	1.0	.0	.2	.0	.1	.0	.2	.0	.3	.0	.0	.1	2.0	13.0
NNW	.0	.4	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.1	2.0	10.9
CALM	.2	3.3													.2	3.3	
TOTAL	.5	6.6	3.9	52.8	1.3	17.4	.9	12.3	.6	7.8	.2	2.5	.0	.5	7.5	100	11.7

MAF MIDLAND, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 23023

NO. OBS.: 2301

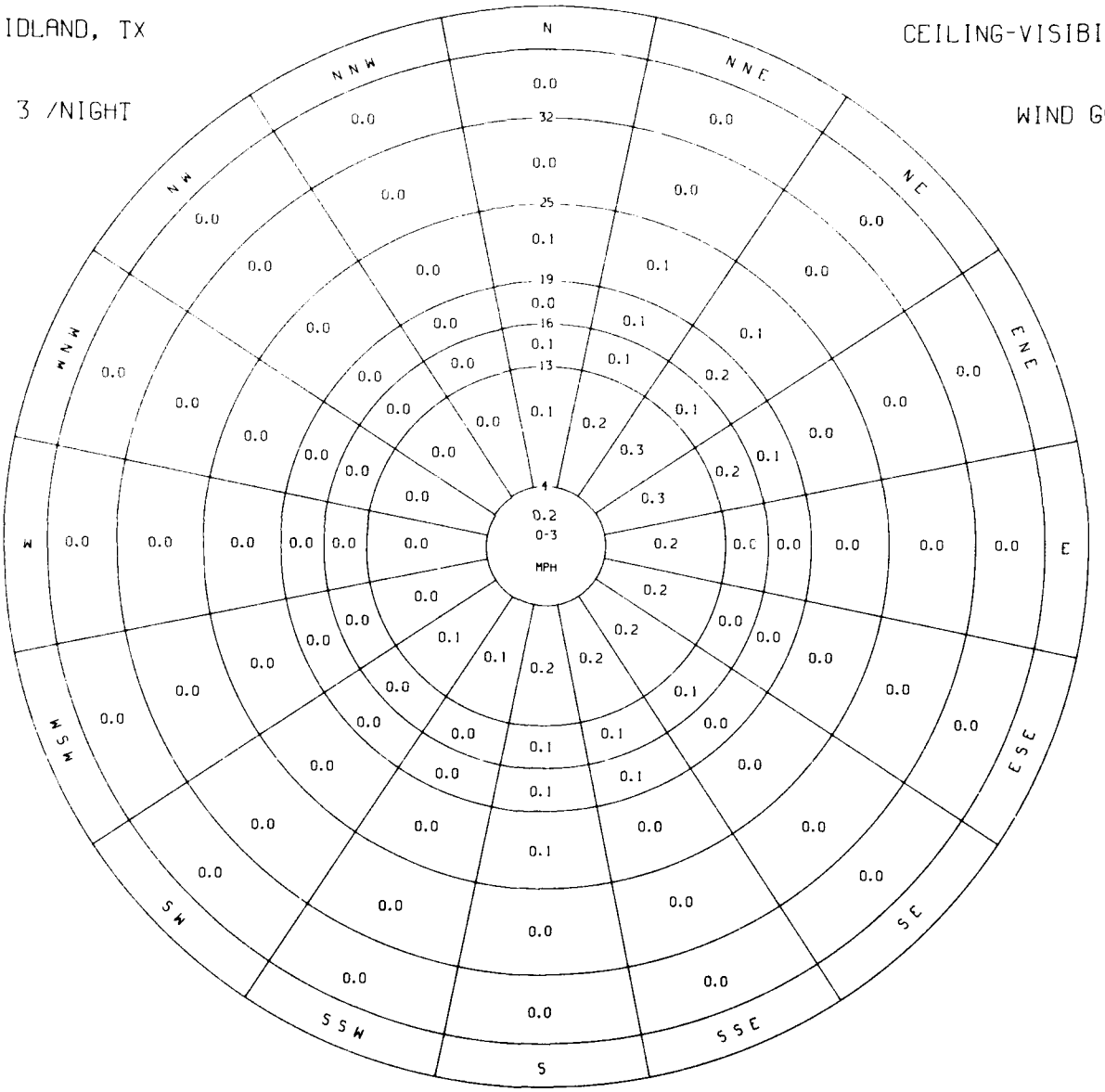
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.1	2.6	.1	1.2	.1	1.3	.1	1.8	.0	.3	.0	.2	.4	7.6	15.3
NNE	.0	.1	.3	5.1	.2	2.9	.1	2.7	.1	2.2	.0	.5	.0	.1	.7	13.6	14.4
NE	.0	.2	.3	6.0	.2	4.3	.2	3.6	.1	1.8	.0	.4	.0	.1	.9	16.3	14.2
ENE	.0	.1	.3	5.2	.1	2.6	.1	1.4	.0	.9	.0	.1	.0	.0	.6	10.2	12.8
E	.0	.1	.2	4.2	.1	1.6	.0	.6	.0	.4	.0	.0	.0	.0	.4	6.9	11.5
ESE	.0	.0	.2	3.3	.1	1.3	.0	.3	.0	.3	.0	.0	.0	.0	.3	5.2	11.2
SE	.0	.2	.2	3.6	.1	1.3	.1	.9	.0	.2	.0	.0	.0	.0	.3	6.3	11.6
SSE	.0	.2	.2	3.9	.1	1.7	.1	1.7	.0	.8	.0	.0	.0	.0	.5	8.3	12.8
S	.0	.1	.2	4.2	.1	1.8	.1	2.0	.1	1.2	.0	.1	.0	.0	.5	9.4	13.5
SSW	.0	.1	.1	1.8	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.7	10.8
SW	.0	.0	.1	.9	.0	.3	.0	.0	.0	.2	.0	.1	.0	.0	.1	1.6	13.3
WSW	.0	.0	.0	.6	.0	.1	.0	.2	.0	.5	.0	.3	.0	.0	.1	1.9	17.2
W	.0	.2	.0	.8	.0	.0	.0	.2	.0	.3	.0	.1	.0	.3	.1	2.0	16.1
WNW	.0	.0	.0	.5	.0	.1	.0	.1	.0	.3	.0	.1	.0	.1	.1	1.2	17.1
NW	.0	.1	.1	1.1	.0	.1	.0	.2	.0	.3	.0	.1	.0	.0	.1	1.8	12.5
NNW	.0	.1	.1	1.4	.0	.4	.0	.5	.0	.5	.0	.2	.0	.0	.2	3.1	13.8
CALM	.1	1.8													.1	1.8	
TOTAL	.2	3.6	2.5	45.1	1.1	20.0	.9	16.0	.7	11.9	.1	2.5	.0	.9	5.5	100	13.2

MAF MIDLAND, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 23023

NO. OBS.: 1630

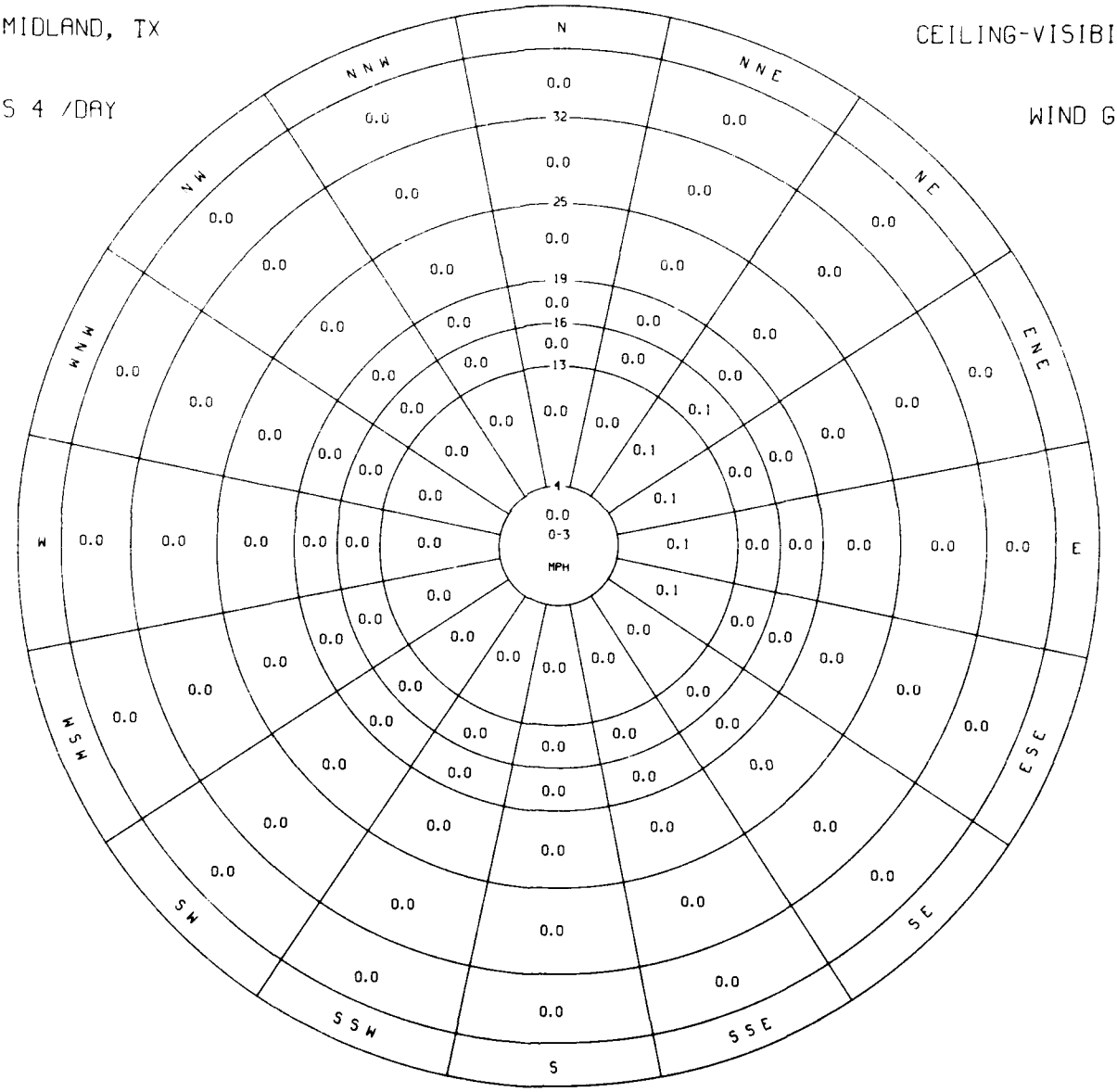
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.1	2.5	.1	1.3	.0	.8	.1	1.3	.0	.5	.0	.2	.3	6.7	14.7
NNE	.0	.1	.2	4.9	.1	2.7	.1	2.9	.1	2.0	.0	1.0	.0	.2	.7	13.8	15.0
NE	.0	.4	.3	6.6	.1	2.9	.2	3.3	.1	1.7	.0	.5	.0	.0	.7	15.4	13.6
ENE	.0	.2	.3	6.3	.2	3.3	.1	1.6	.0	.9	.0	.1	.0	.1	.6	12.4	12.6
E	.0	.2	.2	4.4	.0	.9	.0	.9	.0	.4	.0	.2	.0	.0	.3	6.9	11.4
ESE	.0	.2	.2	3.7	.0	.9	.0	.2	.0	.2	.0	.1	.0	.0	.2	5.2	10.4
SE	.0	.1	.2	4.1	.1	1.1	.0	.5	.0	.1	.0	.0	.0	.0	.3	6.0	10.1
SSE	.0	.0	.2	4.0	.1	2.4	.1	2.0	.0	.7	.0	.1	.0	.0	.4	9.3	13.?
S	.0	.1	.2	4.9	.1	2.1	.1	2.1	.1	2.0	.0	.1	.0	.0	.5	11.3	13.7
SSW	.0	.1	.1	1.6	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	2.3	10.6
SW	.0	.1	.1	1.3	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.7	9.3
WSW	.0	.1	.0	.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.9	8.6
W	.0	.2	.0	.4	.0	.1	.0	.1	.0	.2	.0	.0	.0	.1	.0	1.0	14.0
WNW	.0	.1	.0	.5	.0	.0	.0	.1	.0	.0	.0	.2	.0	.1	.0	.9	15.0
NW	.0	.0	.0	1.0	.0	.3	.0	.2	.0	.3	.0	.5	.0	.0	.1	2.3	14.8
NNW	.0	.3	.0	1.0	.0	.3	.0	.1	.0	.2	.0	.2	.0	.1	.1	2.1	12.9
CALM	.1	1.9													.1	1.9	
TOTAL	.2	4.2	2.3	47.6	.9	19.0	.7	15.2	.5	10.1	.2	3.3	.0	.6	4.8	100	12.8

MAF MIDLAND, TX

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 23023

NO. OBS.: 367

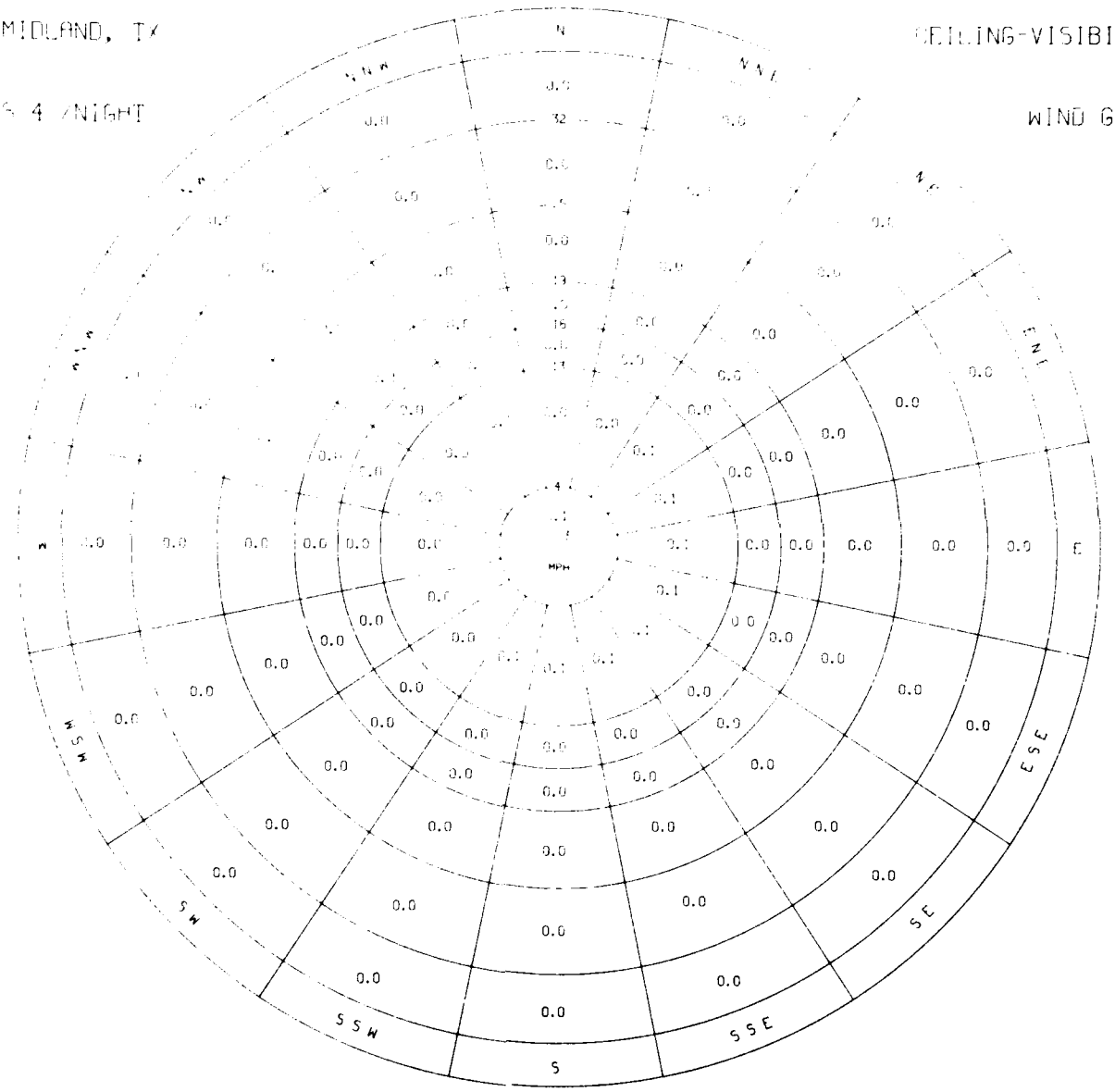
DIP	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.3	.0	3.0	.0	1.4	.0	.3	.0	.5	.0	.3	.0	.0	.1	5.7	12.4
NNE	.0	.0	.0	5.4	.0	1.9	.0	2.5	.0	2.5	.0	.0	.0	.3	.1	12.5	14.1
NE	.0	.3	.1	8.2	.1	6.0	.0	4.1	.0	1.9	.0	.0	.0	.0	.2	20.4	13.4
ENE	.0	.0	.1	7.9	.0	1.6	.0	1.6	.0	.8	.0	.3	.0	.0	.1	12.3	11.5
E	.0	.3	.1	7.4	.0	2.2	.0	1.1	.0	.3	.0	.0	.0	.0	.1	11.2	11.0
ESE	.0	.3	.1	5.7	.0	1.4	.0	.3	.0	.0	.0	.0	.0	.3	.1	7.9	10.5
SE	.0	.0	.0	4.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.9	9.2
SSE	.0	.0	.0	2.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	3.3	8.9
S	.0	.5	.0	2.5	.0	1.9	.0	.8	.0	.3	.0	.0	.0	.0	.1	6.0	11.9
SSW	.0	.0	.0	1.9	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.5	9.5
SW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	10.0
WSW	.0	.3	.0	.8	.0	.3	.0	.5	.0	.3	.0	.3	.0	.0	.0	2.5	13.8
W	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	7.7
WNW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	1.6	12.3
NW	.0	.5	.0	1.1	.0	.0	.0	.0	.0	.3	.0	.5	.0	.5	.0	3.0	18.3
NNW	.0	.3	.0	.8	.0	.0	.0	.5	.0	.0	.0	.3	.0	.3	.0	2.2	15.0
CALM	.0	1.9													.0	1.9	
TOTAL	.0	4.6	.5	55.3	.2	17.7	.1	12.3	.1	6.8	.0	1.6	.0	1.6	.9	100	12.0

MAF MIDLAND, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, Tx

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 23023

NO. OBS.: 471

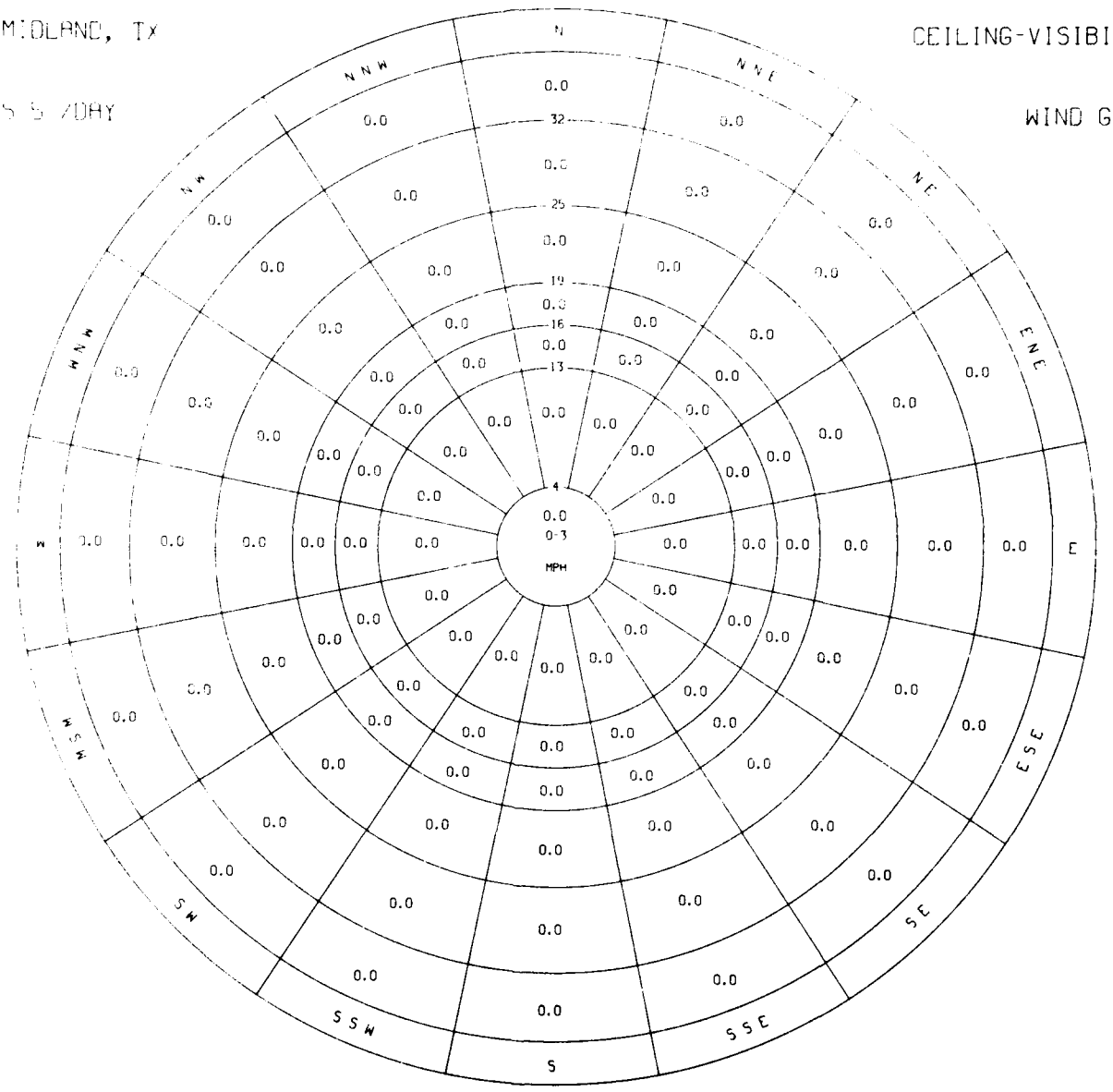
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.0	3.6	.0	.8	.0	.4	.0	.8	.0	.2	.0	.0	.1	6.6	11.2
NNE	.0	.2	.0	3.6	.0	1.5	.0	1.5	.0	1.1	.0	.2	.0	.0	.1	8.1	13.2
NE	.0	.2	.1	8.7	.0	3.6	.0	1.5	.0	1.3	.0	.8	.0	.0	.2	16.1	12.8
ENE	.0	.4	.1	6.8	.0	3.2	.0	2.1	.0	.6	.0	.0	.0	.2	.2	13.4	12.4
E	.0	.4	.1	6.6	.0	1.5	.0	.2	.0	.6	.0	.0	.0	.0	.1	9.3	10.4
ESE	.0	.0	.1	6.6	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1	7.2	9.1
SE	.0	.2	.1	5.7	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.1	7.0	9.6
SSE	.0	.0	.1	5.5	.0	1.7	.0	1.3	.0	.4	.0	.0	.0	.0	.1	8.9	11.9
S	.0	.0	.1	4.5	.0	1.7	.0	1.3	.0	.0	.0	.0	.0	.0	.1	7.4	11.4
SSW	.0	.2	.1	4.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	8.2
SW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.8
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.0
W	.0	.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.4
WNW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.0	1.1	18.6
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
NNW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.8
CALM	.1	4.0													.1	4.0	
TOTAL	.1	6.6	.9	62.4	.2	15.3	.1	8.9	.1	4.9	.0	1.5	.0	.4	1.4	100	10.7

MAF MIDLAND, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, Tx

PERIOD: 1949-19?

CLASS 5 / DAY

STATION NUMBER: 23023

NO. OBS.: ?

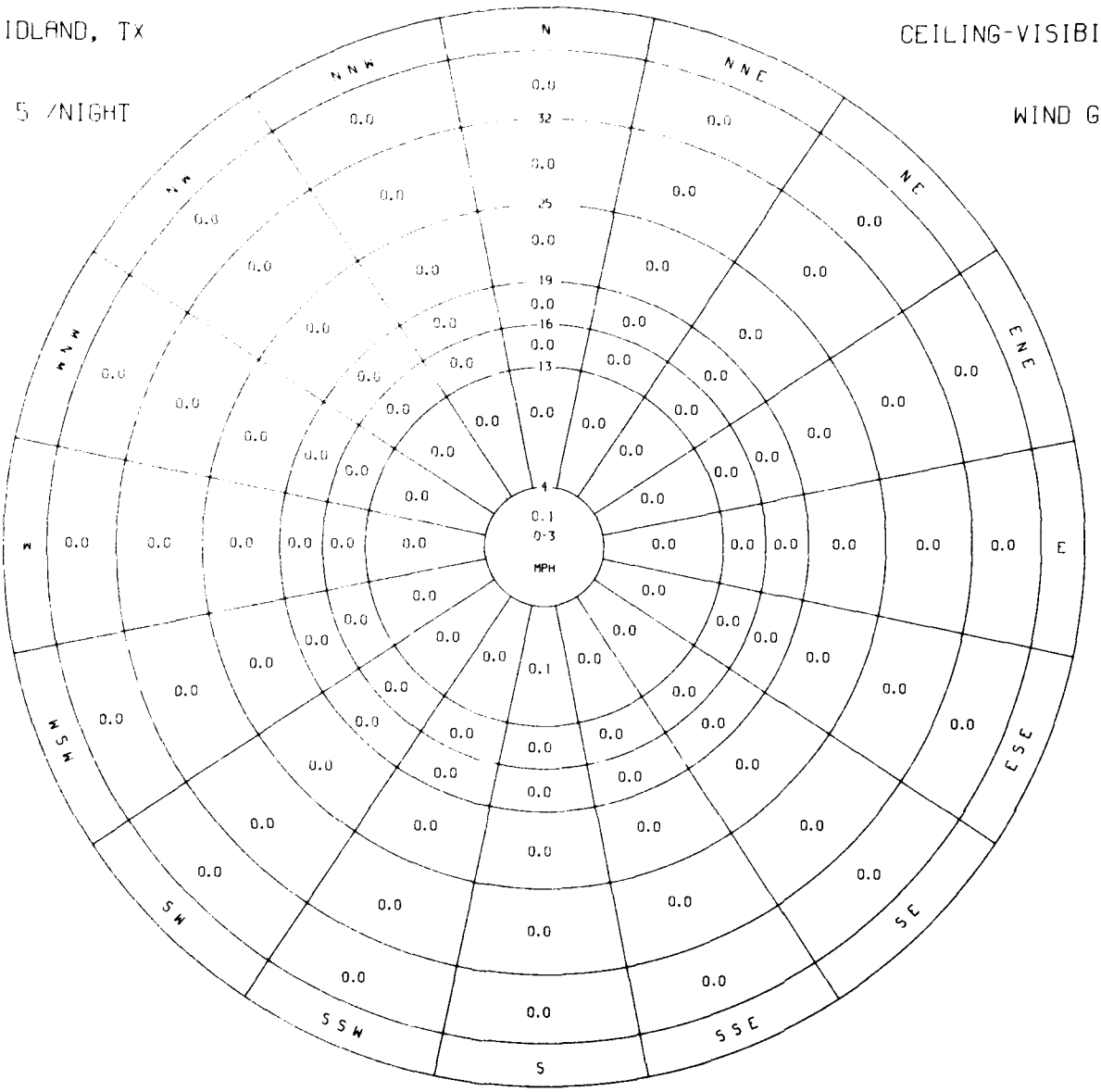
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	6.0
NNE	.0	1.0	.0	6.1	.0	3.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	11.1	11.6
NE	.0	.0	.0	8.1	.0	3.0	.0	5.1	.0	2.0	.0	1.0	.0	.0	.0	19.2	14.0
ENE	.0	.0	.0	10.1	.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	13.1	10.1
E	.0	.0	.0	7.1	.0	4.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	12.1	11.1
ESE	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	8.7
SE	.0	1.0	.0	4.0	.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	8.1	10.3
SSE	.0	1.0	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	9.5
S	.0	.0	.0	10.1	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	12.1	8.9
SSW	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	7.3
SW	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	9.5
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	12.0
W	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0	26.0
NW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.5
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0	30.0
CALM	.0	3.0													.0	3.0	
TOTAL	.0	7.1	.1	59.6	.0	18.2	.0	9.1	.0	3.0	.0	3.0	.0	.0	.2	100	10.6

MAF MIDLAND, Tx

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 5 - NIGHT

STATION NUMBER: 23023

NO. OBS.: 200

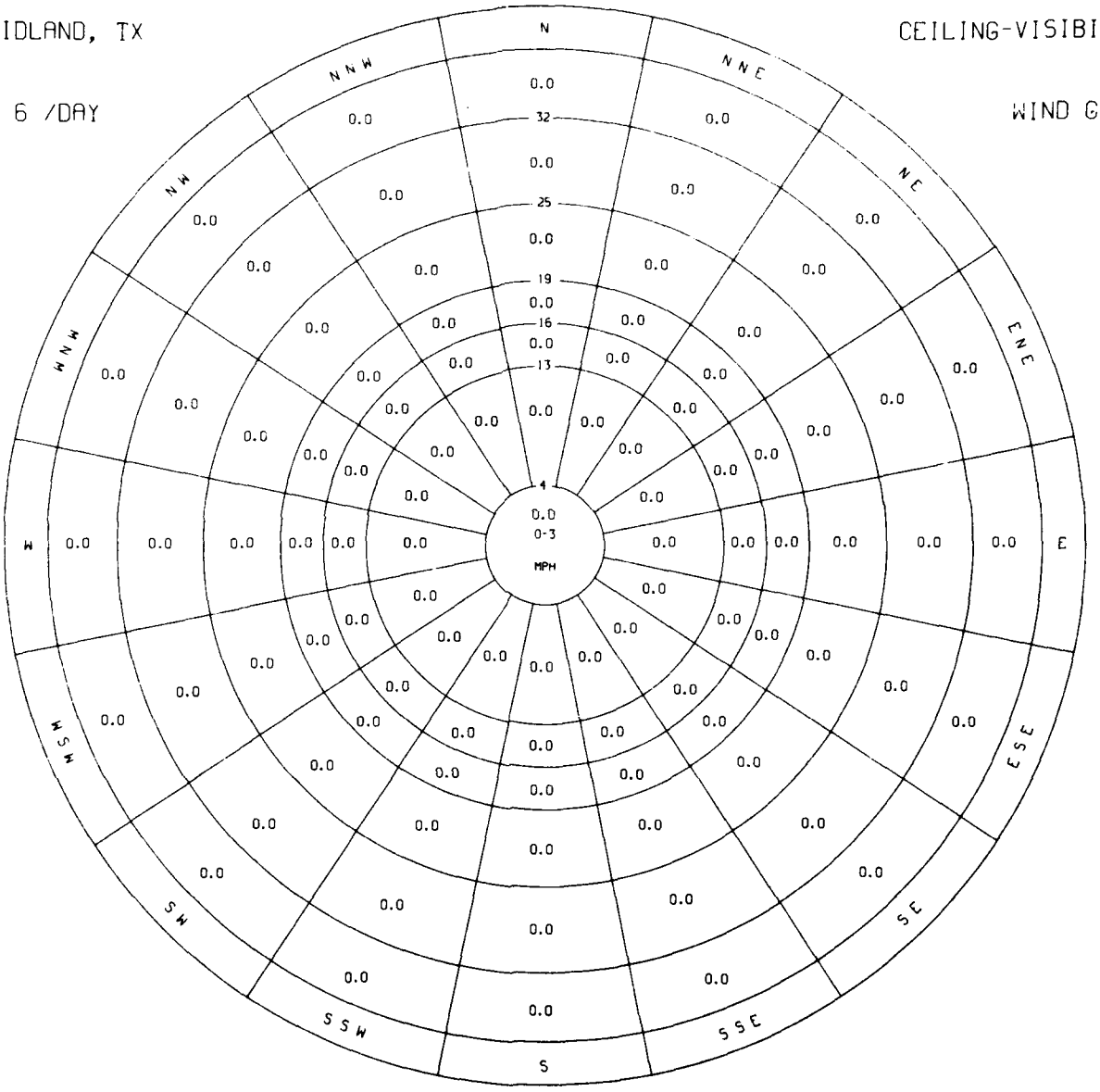
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	3.5	10.6
NNE	.0	.5	.0	4.5	.0	1.0	.0	1.0	.0	.5	.0	.5	.0	.0	.0	8.0	11.7
NE	.0	.0	.0	8.0	.0	4.0	.0	2.0	.0	.0	.0	.0	.0	.0	.1	14.0	11.8
ENE	.0	.5	.0	7.5	.0	4.5	.0	1.0	.0	.5	.0	.0	.0	.0	.1	14.0	11.2
E	.0	1.5	.0	3.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	9.7
ESE	.0	.0	.0	4.0	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	6.0	10.8
SE	.0	.5	.0	6.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	8.1
SSE	.0	.0	.0	2.0	.0	1.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	4.5	12.3
S	.0	.0	.1	10.0	.0	1.5	.0	.5	.0	.0	.0	.0	.0	.0	.1	12.0	9.2
SSW	.0	.0	.0	3.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	8.6
SW	.0	.0	.0	1.5	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	2.5	10.8
WSW	.0	1.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.0
W	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.5	11.3
WNW	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.0	23.5
NW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	1.5	10.7
NNW	.0	.5	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.5	8.3
CALM	.0	6.0													.0	6.0	
TOTAL	.1	11.0	.3	58.0	.1	20.5	.0	7.0	.0	2.0	.0	1.0	.0	.5	.6	100	9.8

MAF MIDLAND, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 23023

NO. OBS.: 96

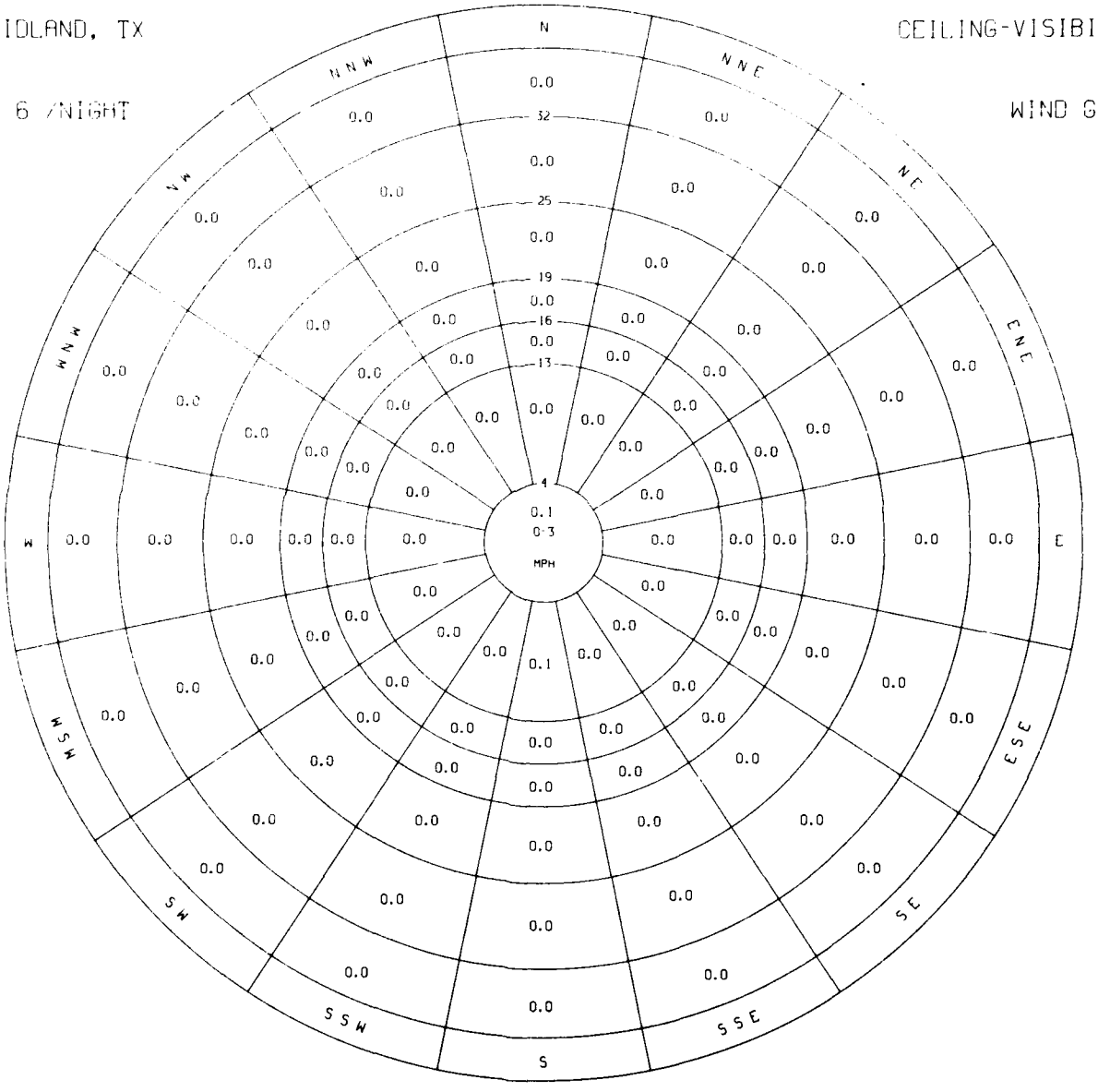
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	3.1	15.7
NNE	.0	1.0	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	9.6
NE	.0	2.1	.0	7.3	.0	2.1	.0	.0	.0	.0	.0	1.0	.0	.0	.0	12.5	10.4
ENE	.0	.0	.0	10.4	.0	2.1	.0	.0	.0	1.0	.0	.0	.0	.0	.0	13.5	10.4
E	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	6.5
ESE	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.0
SE	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.5
SSE	.0	1.0	.0	9.4	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.5	7.3
S	.0	2.1	.0	14.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	7.1
SSW	.0	.0	.0	7.3	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	9.2
SW	.0	.0	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	7.0
WSW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	2.1	24.5
W	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
WNW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.5
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0
CALM	.0	8.3													.0	8.3	
TOTAL	.0	17.7	.2	67.7	.0	10.4	.0	.0	.0	1.0	.0	2.1	.0	1.0	.2	100	8.2

MAF MIDLAND, TX

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MAF MIDLAND, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 23023

NO. OBS.: 240

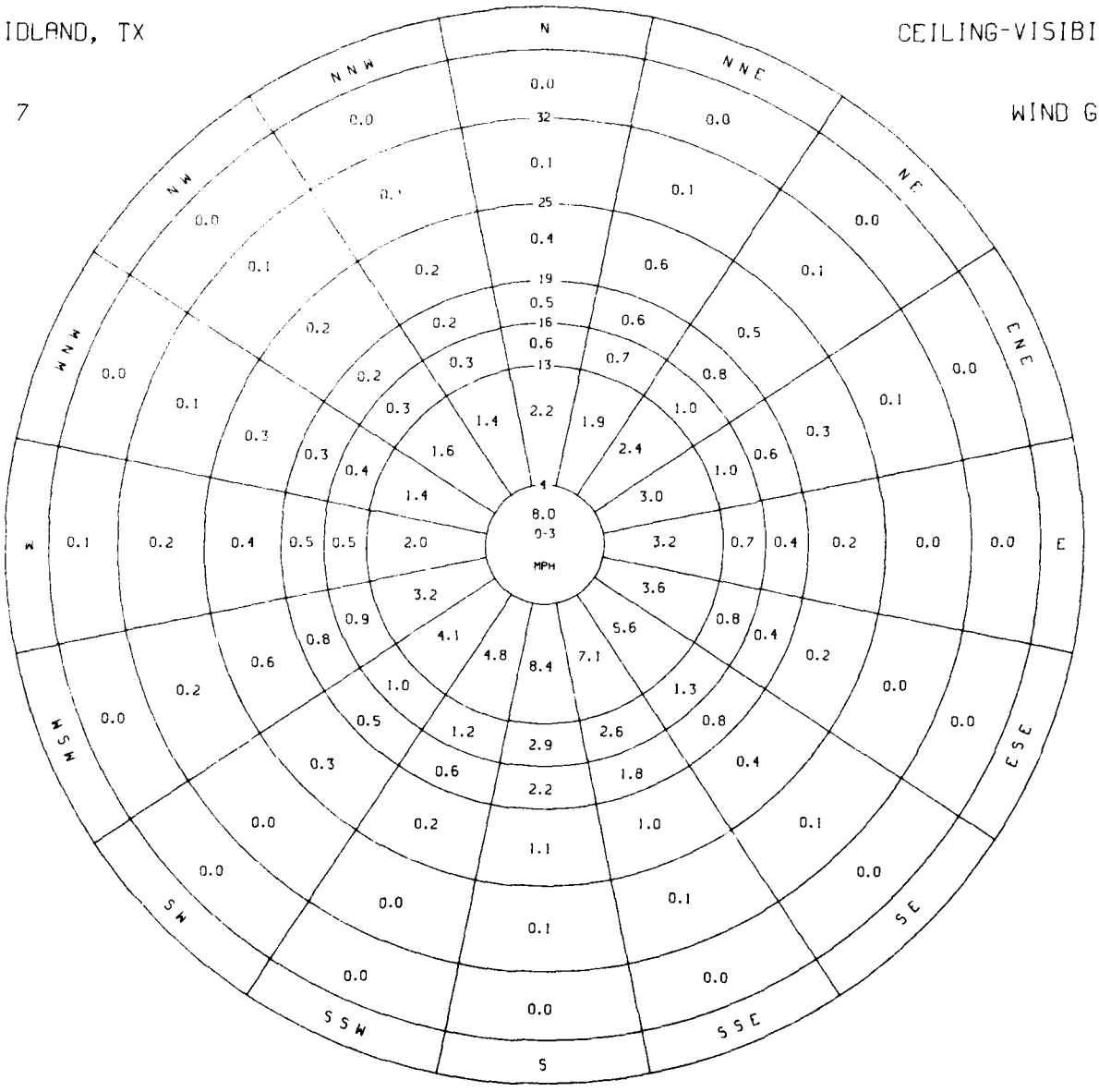
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.0	3.7	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	5.0	8.4
NNE	.0	.4	.0	3.3	.0	.4	.0	1.2	.0	.4	.0	.0	.0	.0	.0	5.8	10.1
NE	.0	.4	.0	4.6	.0	1.2	.0	.4	.0	1.2	.0	.0	.0	.0	.1	7.9	11.3
ENE	.0	.4	.0	6.3	.0	1.7	.0	.8	.0	.4	.0	.0	.0	.0	.1	9.6	10.5
E	.0	.0	.0	4.6	.0	.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	6.3	10.3
ESE	.0	.8	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.9
SE	.0	.4	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.1
SSE	.0	.8	.0	4.2	.0	1.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	7.1	9.4
S	.0	.0	.1	15.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	15.8	8.1
SSW	.0	1.2	.0	7.1	.0	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.1	10.0	7.6
SW	.0	.8	.0	5.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	7.1	7.3
WSW	.0	2.5	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.0
W	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.0
WNW	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	6.0
NW	.0	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.8
NNW	.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.2
CALM	.1	8.7													.1	8.7	
TOTAL	.1	19.6	.5	65.0	.1	8.3	.0	4.2	.0	2.9	.0	.0	.0	.0	.7	100	7.7

MAF MIDLAND, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

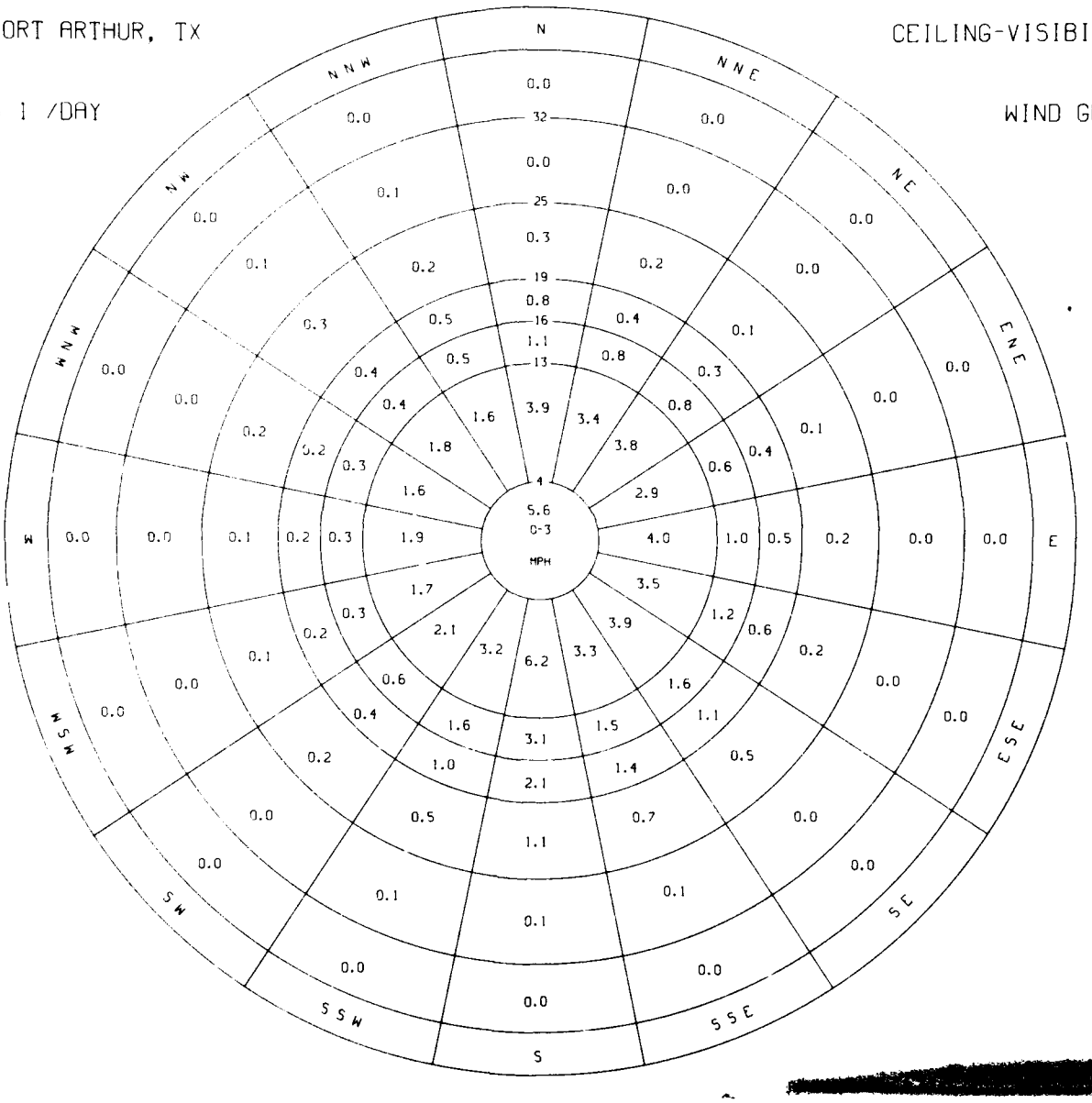


BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 12917

NO. OBS.: 41808

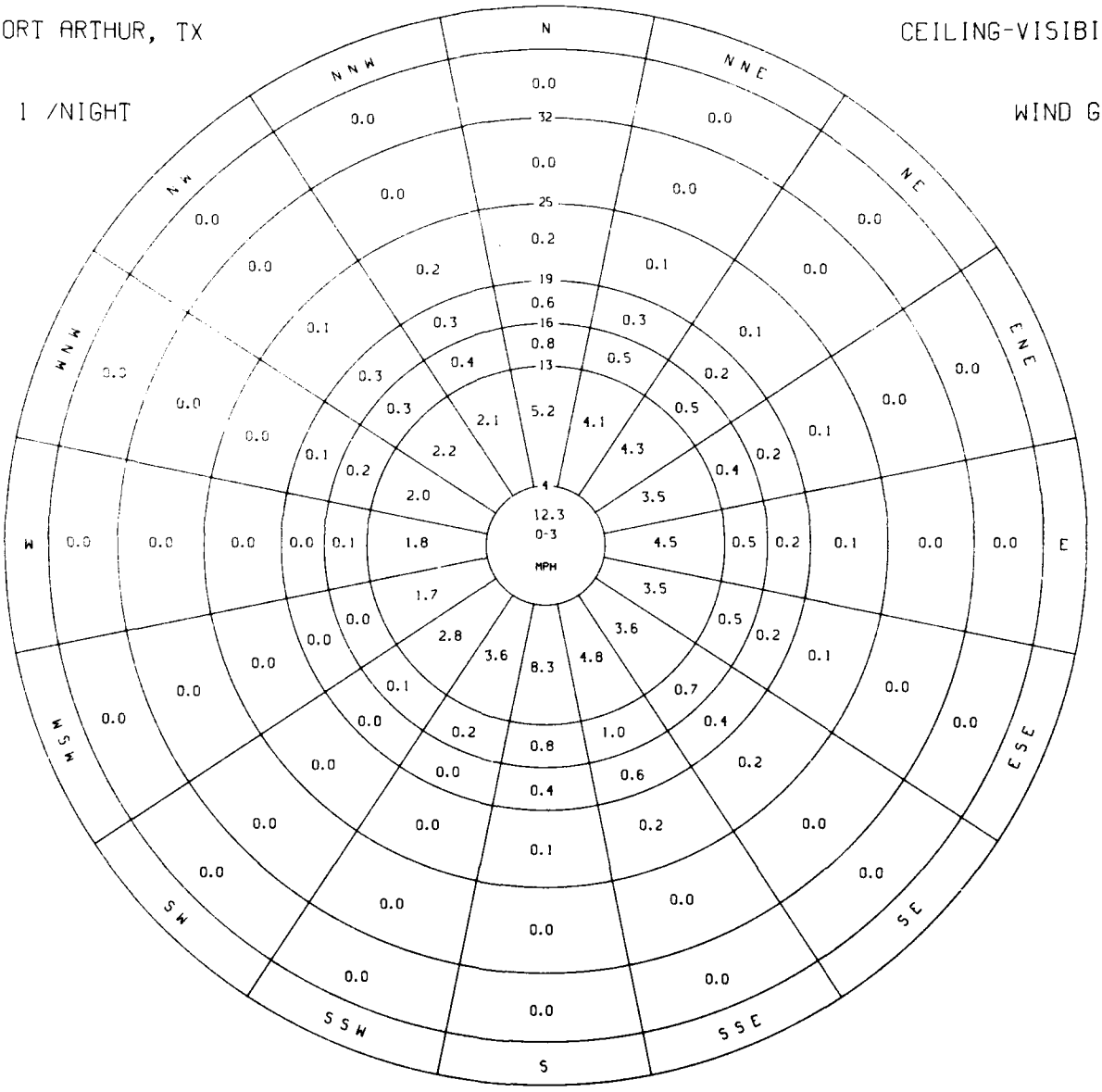
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.4	.5	3.9	4.5	1.1	1.3	.8	.9	.3	.4	.0	.1	.0	.0	6.6	7.7	10.7
NNE	.3	.3	3.4	3.9	.8	.9	.4	.5	.2	.3	.0	.0	.0	.0	5.1	6.0	10.3
NE	.4	.5	3.8	4.4	.8	.9	.3	.4	.1	.1	.0	.0	.0	.0	5.4	6.3	9.4
ENE	.3	.3	2.9	3.4	.6	.7	.4	.5	.1	.1	.0	.0	.0	.0	4.4	5.1	10.0
E	.3	.4	4.0	4.6	1.0	1.2	.5	.6	.2	.2	.0	.0	.0	.0	6.1	7.0	10.4
ESE	.2	.3	3.5	4.1	1.2	1.4	.6	.7	.2	.2	.0	.0	.0	.0	5.8	6.7	11.0
SE	.3	.3	3.9	4.5	1.6	1.9	1.1	1.3	.5	.6	.0	.1	.0	.0	7.5	8.7	11.8
SSE	.2	.2	3.3	3.8	1.5	1.7	1.4	1.6	.7	.8	.1	.1	.0	.0	7.2	8.3	12.8
S	.4	.5	6.2	7.2	3.1	3.6	2.1	2.4	1.1	1.2	.1	.2	.0	.0	12.9	15.0	12.5
SSW	.2	.2	3.2	3.7	1.6	1.8	1.0	1.1	.5	.6	.1	.1	.0	.0	6.5	7.5	12.3
SW	.3	.3	2.1	2.4	.6	.7	.4	.4	.2	.2	.0	.0	.0	.0	3.6	4.2	10.9
WSW	.2	.2	1.7	2.0	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	2.4	2.8	9.4
W	.3	.4	1.9	2.2	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.3	9.4
WNW	.2	.2	1.6	1.9	.3	.4	.2	.3	.2	.2	.0	.0	.0	.0	2.6	3.0	10.4
NW	.3	.3	1.8	2.1	.4	.5	.4	.4	.3	.3	.1	.1	.0	.0	3.2	3.7	11.0
NNW	.2	.3	1.6	1.9	.5	.6	.5	.5	.2	.3	.1	.1	.0	.0	3.1	3.6	11.3
CALM	1.0	1.2													1.0	1.2	
TOTAL	5.6	6.4	48.8	56.5	15.8	18.4	10.5	12.1	4.9	5.7	.7	.8	.1	.1	86.4	100	11.0

BPT PORT ARTHUR, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, Tx

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 12917

NO. OBS.: 32381

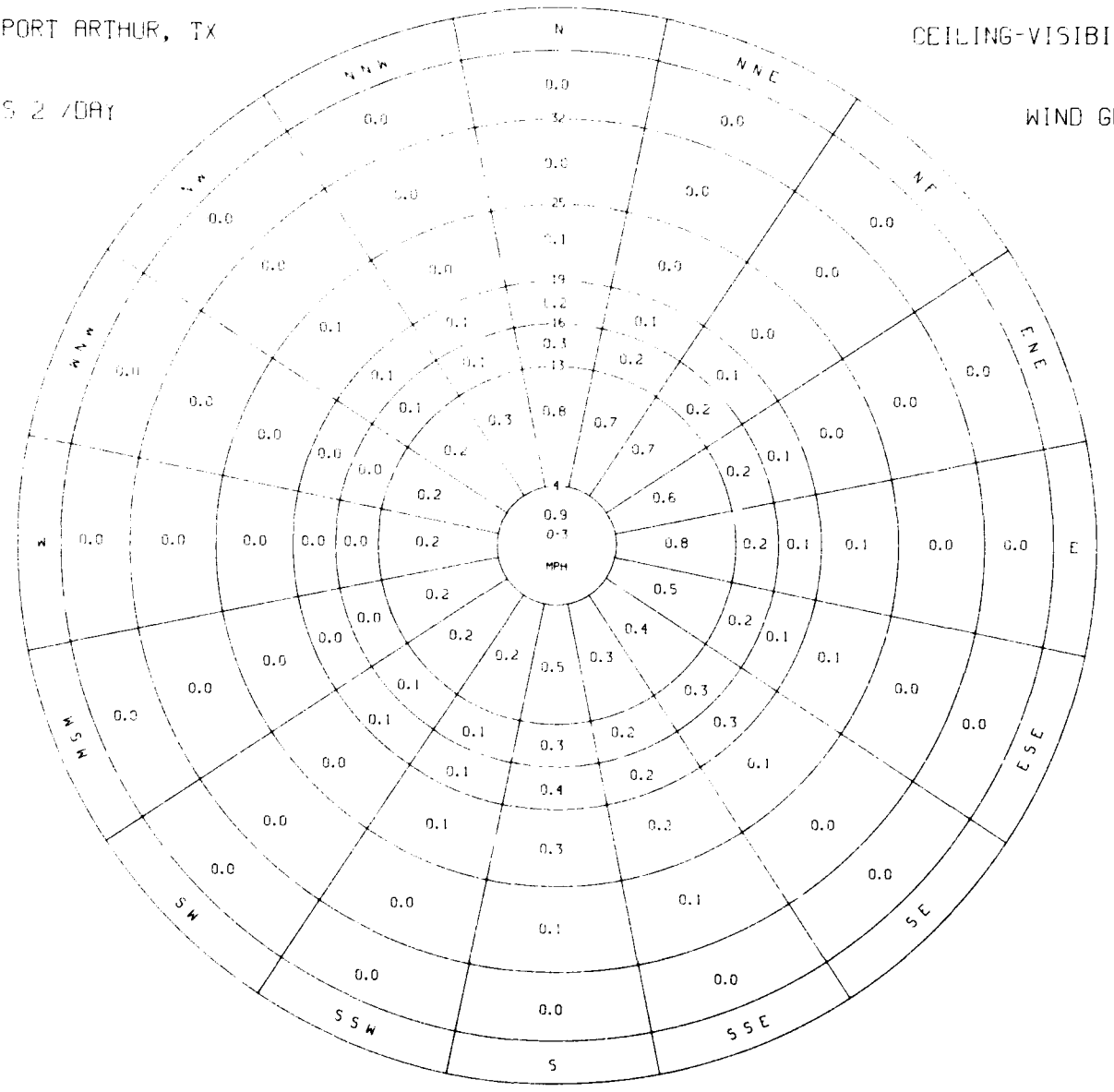
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.7	.8	5.2	6.3	.8	1.0	.6	.7	.2	.3	.0	.0	.0	.0	7.6	9.2	9.3
N N E	.5	.6	4.1	5.0	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	5.5	6.6	8.8
N E	.6	.7	4.3	5.2	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	5.7	6.9	8.3
E N E	.3	.4	3.5	4.3	.4	.5	.2	.2	.1	.1	.0	.0	.0	.0	4.6	5.5	8.6
E	.6	.7	4.5	5.4	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	5.7	6.9	8.3
E S E	.5	.5	3.5	4.2	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.7	5.7	8.7
S E	.5	.6	3.6	4.3	.7	.9	.4	.5	.2	.2	.0	.0	.0	.0	5.4	6.5	9.3
S S E	.5	.6	4.8	5.8	1.0	1.2	.6	.7	.2	.3	.0	.0	.0	.0	7.1	8.6	9.7
S	1.1	1.3	8.3	10.0	.8	.9	.4	.4	.1	.1	.0	.0	.0	.0	10.6	12.8	8.0
S S W	.6	.7	3.6	4.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.4	5.3	7.2
S W	.7	.8	2.8	3.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	3.7	4.4	6.7
W S W	.5	.6	1.7	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.2	2.7	6.2
W	.5	.6	1.8	2.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.4	2.9	6.5
W N W	.4	.4	2.0	2.4	.2	.2	.1	.1	.0	.1	.0	.0	.0	.0	2.7	3.2	8.0
N W	.4	.5	2.2	2.7	.3	.4	.3	.3	.1	.2	.0	.1	.0	.0	3.4	4.1	9.3
N N W	.3	.4	2.1	2.5	.4	.5	.3	.4	.2	.2	.0	.0	.0	.0	3.4	4.1	9.8
C A L M	3.8	4.6													3.8	4.6	
T O T A L	12.3	14.9	57.8	70.0	7.0	8.5	3.8	4.6	1.4	1.7	.2	.3	.0	.0	82.6	100	8.1

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 12917

NO. OBS.: 6608

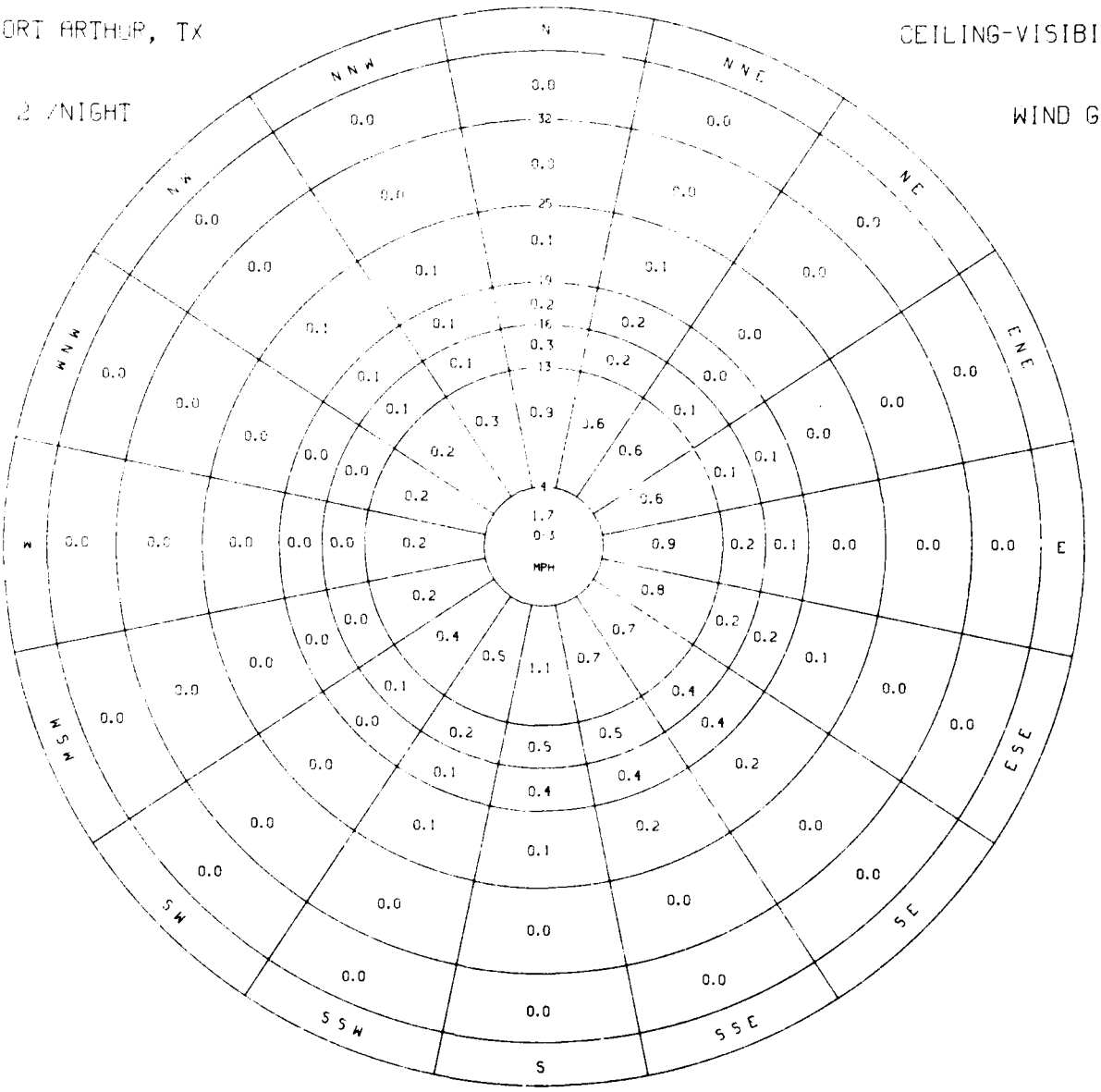
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.1	.7	.8	5.9	.3	2.3	.2	1.5	.1	.7	.0	.1	.0	.0	1.5	11.2	11.2
NNE	.1	.4	.7	4.9	.2	1.7	.1	1.0	.0	.3	.0	.0	.0	.0	1.1	8.4	10.8
NE	.1	.4	.7	5.3	.2	1.4	.1	.7	.0	.3	.0	.0	.0	.0	1.1	8.1	10.1
ENE	.1	.5	.6	4.6	.2	1.2	.1	.7	.0	.2	.0	.1	.0	.0	1.0	7.4	10.4
E	.0	.3	.8	5.5	.2	1.6	.1	.9	.1	.5	.0	.1	.0	.0	1.2	8.9	11.1
ESE	.0	.3	.5	3.4	.2	1.8	.1	1.1	.1	.6	.0	.1	.0	.0	1.0	7.1	12.4
SE	.0	.3	.4	2.6	.3	2.1	.3	2.0	.1	1.1	.0	.2	.0	.0	1.1	8.2	14.2
SSE	.0	.2	.3	2.1	.2	1.6	.2	1.7	.2	1.7	.1	.4	.0	.0	1.1	7.7	15.6
S	.0	.2	.5	3.3	.3	2.1	.4	2.7	.3	2.2	.1	.4	.0	.0	1.5	10.9	15.1
SSW	.0	.1	.2	1.5	.1	1.0	.1	.8	.1	.5	.0	.1	.0	.0	.5	4.0	13.6
SW	.0	.3	.2	1.4	.1	.4	.1	.4	.0	.2	.0	.0	.0	.0	.4	2.7	11.1
WSW	.0	.2	.2	1.2	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.3	2.0	10.3
W	.0	.3	.2	1.5	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.2	9.4
WNW	.0	.3	.2	1.2	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.3	2.3	10.8
NW	.0	.3	.2	1.4	.1	.4	.1	.6	.1	.5	.0	.1	.0	.0	.5	3.4	12.7
NNW	.1	.4	.3	1.9	.1	.7	.1	.7	.0	.3	.0	.1	.0	.0	.5	4.0	11.8
CALM	.2	1.4													.2	1.4	
TOTAL	.9	6.5	6.5	47.7	2.6	19.1	2.1	15.3	1.3	9.4	.2	1.7	.0	.2	13.6	100	12.1

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 12917

NO. OBS.: 6844

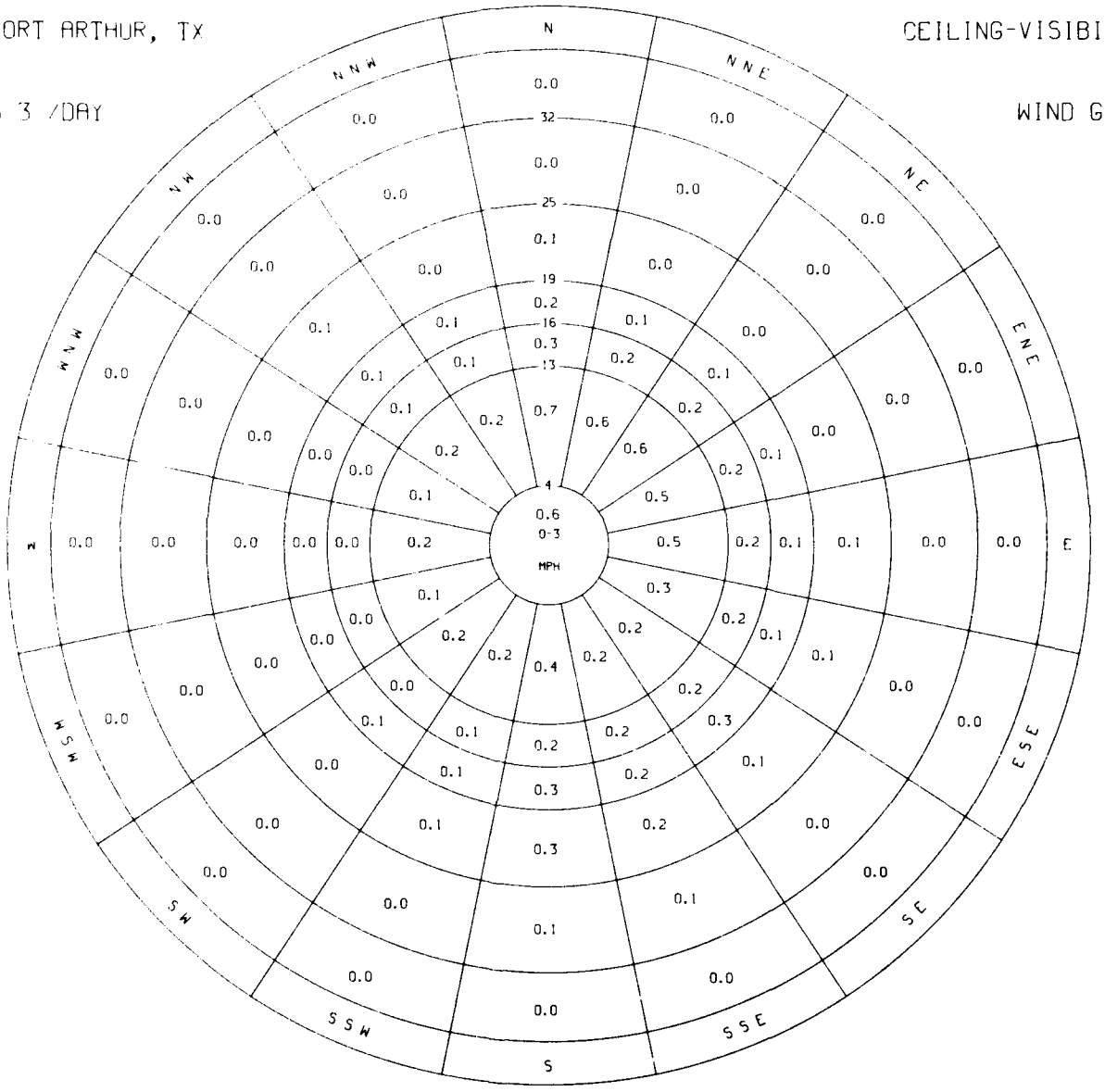
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.9	5.3	.3	1.9	.2	1.4	.1	.6	.0	.1	.0	.0	1.7	9.8	11.3
NNE	.1	.3	.6	3.5	.2	1.3	.2	.9	.1	.3	.0	.0	.0	.0	1.1	6.5	11.3
NE	.1	.5	.6	3.6	.1	.7	.0	.2	.0	.2	.0	.0	.0	.0	.9	5.2	9.4
ENE	.1	.4	.6	3.3	.1	.7	.1	.5	.0	.2	.0	.0	.0	.0	.9	5.2	10.0
E	.1	.6	.9	5.1	.2	1.2	.1	.6	.0	.2	.0	.0	.0	.0	1.4	7.7	10.0
ESE	.1	.4	.8	4.6	.2	1.2	.2	1.0	.1	.4	.0	.1	.0	.0	1.3	7.7	11.1
SE	.1	.4	.7	4.1	.4	2.1	.4	2.0	.2	1.1	.0	.1	.0	.0	1.7	9.8	13.0
SSE	.1	.5	.7	4.0	.5	2.7	.4	2.5	.2	1.2	.0	.2	.0	.0	1.9	11.1	13.5
S	.1	.6	1.1	6.2	.5	2.6	.4	2.2	.1	.7	.0	.1	.0	.0	2.2	12.4	11.9
SSW	.1	.3	.5	2.9	.2	1.0	.1	.5	.1	.3	.0	.0	.0	.0	.9	5.1	10.9
SW	.1	.4	.4	2.5	.1	.3	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.6	8.9
WSW	.0	.3	.2	1.0	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.6	8.9
W	.1	.3	.2	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.8	8.3
WNW	.0	.3	.2	1.1	.0	.2	.0	.2	.0	.1	.0	.1	.0	.0	.3	2.0	10.6
NW	.0	.3	.2	1.4	.1	.4	.1	.5	.1	.3	.0	.1	.0	.0	.5	3.1	12.0
NNW	.1	.4	.3	2.0	.1	.7	.1	.6	.1	.3	.0	.0	.0	.0	.7	4.1	11.3
CALM	.6	3.5													.6	3.5	
TOTAL	1.7	9.9	9.1	51.9	3.0	17.3	2.4	13.7	1.1	6.3	.1	.8	.0	.1	17.4	100	10.9

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 12917

NO. OBS.: 5551

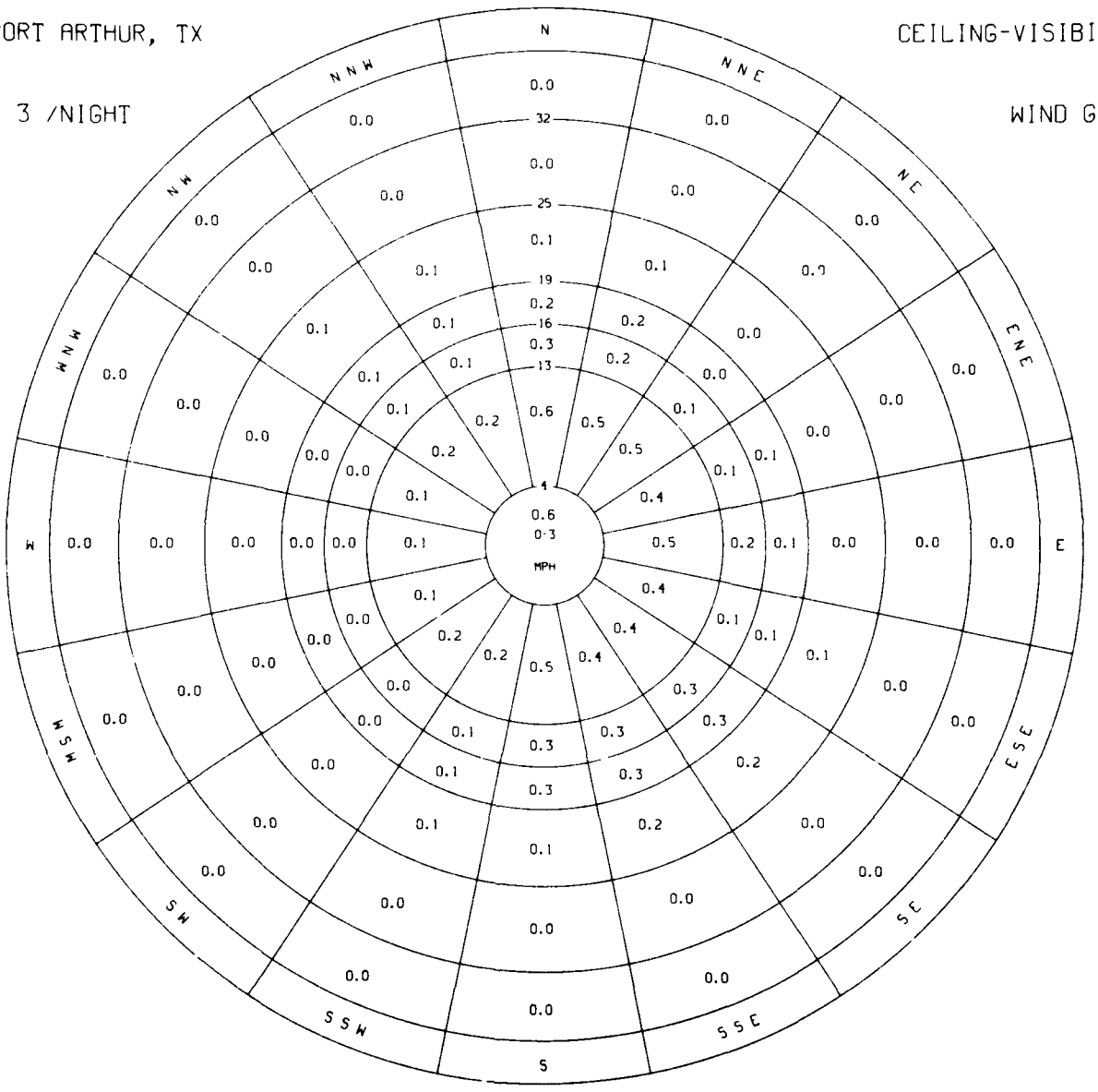
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.1	.1	.7	5.9	.3	2.7	.2	1.7	.1	.9	.0	.1	.0	.0	1.4	11.9	11.6
NNE	.1	.4	.6	4.9	.2	1.9	.1	1.2	.0	.4	.0	.0	.0	.0	1.0	8.7	11.3
NE	.1	.4	.6	5.2	.2	1.6	.1	.7	.0	.3	.0	.0	.0	.0	.9	8.1	10.5
ENE	.0	.4	.5	4.3	.2	1.4	.1	.9	.0	.2	.0	.1	.0	.0	.8	7.2	11.0
E	.1	.2	.5	4.6	.2	1.7	.1	1.0	.1	.5	.0	.1	.0	.0	.9	8.1	11.8
ESE	.1	.2	.3	2.9	.2	1.8	.1	1.2	.1	.6	.0	.1	.0	.0	.8	6.7	13.2
SE	.0	.2	.2	2.1	.2	2.1	.3	2.2	.1	1.2	.0	.2	.0	.0	.9	8.1	14.7
SSE	.0	.1	.2	1.8	.2	1.7	.2	2.0	.2	2.0	.1	.5	.0	.0	.9	8.2	16.2
S	.0	.2	.4	3.1	.2	2.1	.3	3.0	.3	2.5	.1	.5	.0	.0	1.3	11.2	15.5
SSW	.0	.1	.2	1.7	.1	1.1	.1	.9	.1	.6	.0	.1	.0	.1	.5	4.2	14.2
SW	.0	.2	.2	1.3	.0	.4	.1	.5	.0	.2	.0	.0	.0	.0	.3	2.7	11.7
WSW	.0	.2	.1	1.1	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.2	1.9	10.5
W	.0	.2	.2	1.4	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.1	10.1
WNW	.0	.3	.1	1.2	.0	.3	.0	.4	.0	.2	.0	.1	.0	.0	.3	2.4	11.2
NW	.0	.2	.2	1.4	.1	.5	.1	.7	.1	.6	.0	.1	.0	.0	.4	3.6	13.2
NNW	.0	.3	.2	1.7	.1	.8	.1	.7	.0	.4	.0	.1	.0	.0	.5	4.0	12.2
CALM	.1	.9													.1	.9	
TOTAL	.6	5.2	5.1	44.2	2.4	20.5	2.0	17.3	1.2	10.8	.2	1.9	.0	.2	11.5	100	12.7

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 12917

NO. OBS.: 4380

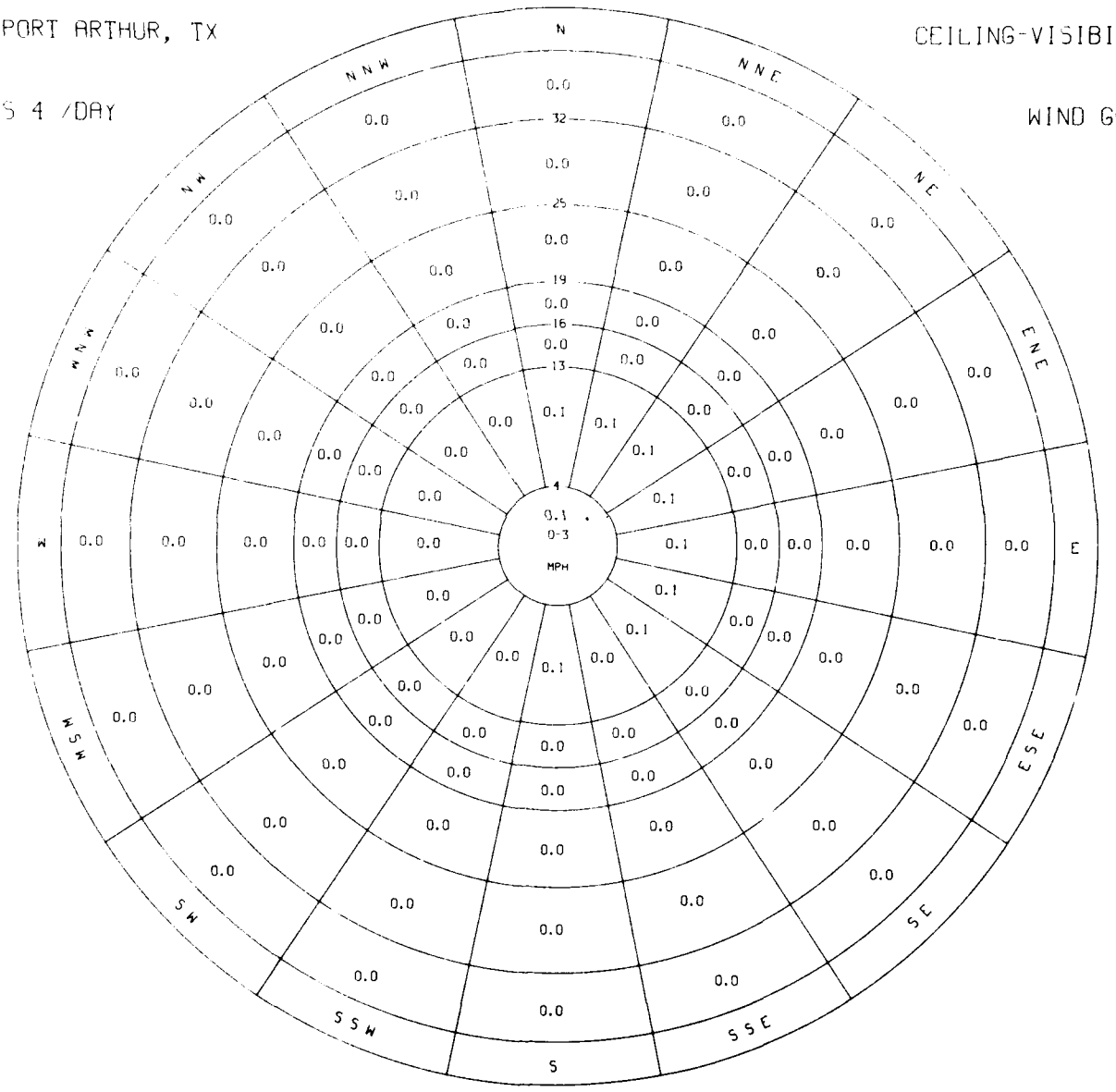
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.6	5.8	.3	2.7	.2	2.1	.1	.9	.0	.1	.0	.0	1.3	12.0	12.3
N N E	.0	.3	.5	4.2	.2	1.9	.2	1.4	.1	.5	.0	.0	.0	.0	.9	8.3	12.1
N E	.0	.3	.5	4.2	.1	1.1	.0	.3	.0	.3	.0	.0	.0	.0	.7	6.1	10.4
E N E	.0	.3	.4	3.2	.1	1.0	.1	.6	.0	.3	.0	.1	.0	.0	.6	5.5	11.1
E	.0	.3	.5	4.3	.2	1.4	.1	.9	.0	.3	.0	.1	.0	.0	.8	7.4	11.3
E S E	.0	.3	.4	3.5	.1	1.2	.1	1.3	.1	.5	.0	.1	.0	.0	.8	7.0	12.4
S E	.0	.1	.4	3.3	.3	2.4	.3	2.5	.2	1.5	.0	.1	.0	.0	1.1	10.0	14.3
S S E	.0	.1	.4	3.5	.3	2.9	.3	3.0	.2	1.7	.0	.3	.0	.0	1.3	11.6	14.7
S	.0	.2	.5	4.4	.3	2.6	.3	2.8	.1	1.0	.0	.1	.0	.0	1.2	11.1	13.6
S S W	.0	.2	.2	1.9	.1	.9	.1	.5	.1	.5	.0	.0	.0	.0	.5	4.0	12.4
S W	.0	.2	.2	1.4	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.3	2.4	11.0
W S W	.0	.2	.1	.8	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	1.4	10.5
W	.0	.2	.1	.9	.0	.2	.0	.2	.0	.1	.0	.0	.0	.0	.2	1.5	9.9
W N W	.0	.2	.1	.8	.0	.2	.0	.4	.0	.1	.0	.1	.0	.0	.2	1.9	12.3
N W	.0	.2	.2	1.5	.1	.6	.1	.7	.1	.5	.0	.1	.0	.0	.4	3.7	13.3
N N W	.0	.3	.2	2.1	.1	1.0	.1	1.0	.1	.5	.0	.0	.0	.0	.5	4.9	12.6
C A L M	.2	1.5													.2	1.5	
T O T A L	.6	5.0	5.1	45.8	2.3	20.6	2.0	18.2	1.0	9.0	.1	1.2	.0	.2	11.2	100	12.4

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 12917

NO. OBS.: 668

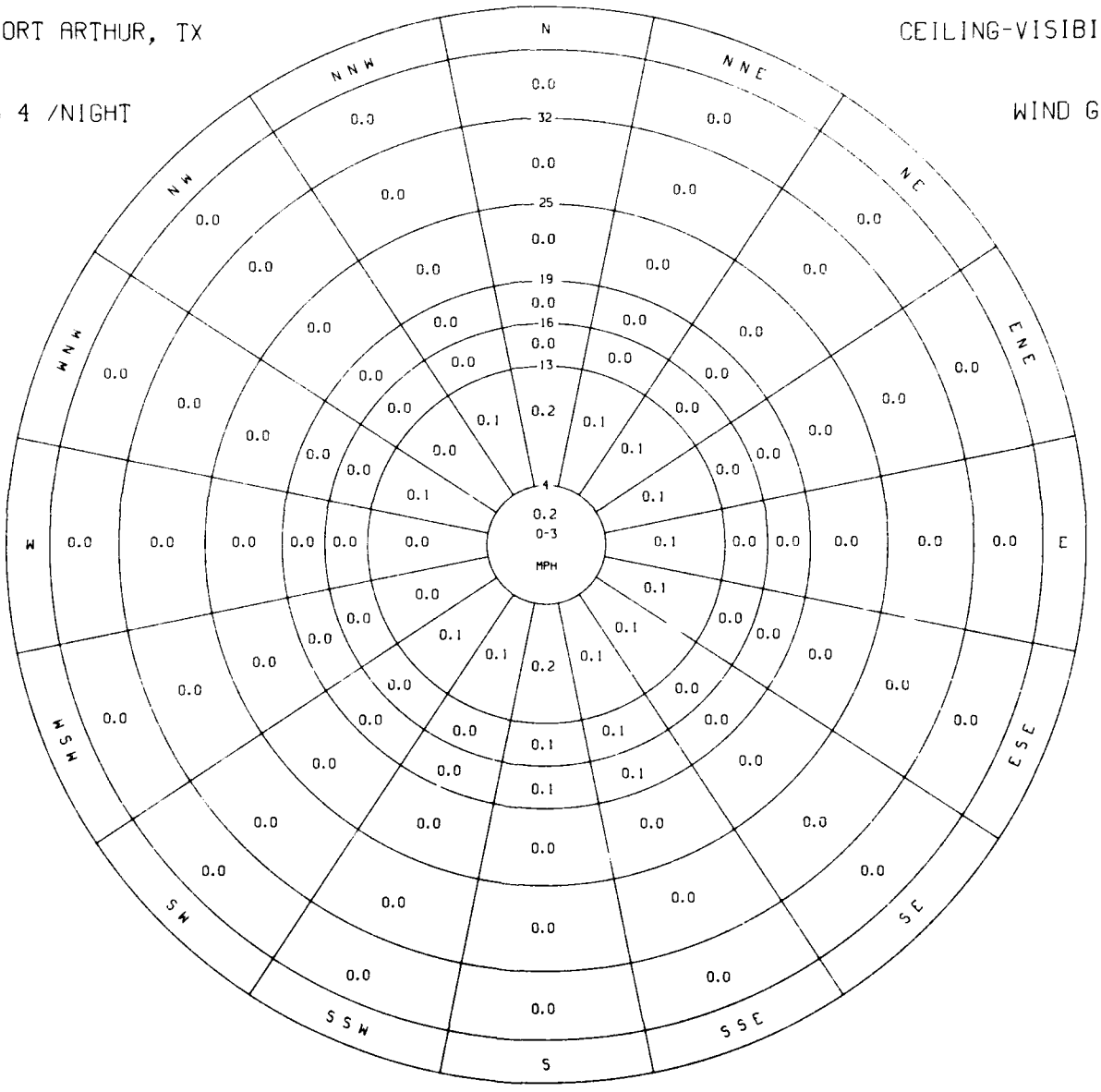
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.1	6.4	.0	.9	.0	.4	.0	.0	.0	.1	.0	.0	.1	3.4	8.8
NNE	.0	.4	.1	4.6	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.6	8.6
NE	.0	.6	.1	6.7	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.1	8.4	8.7
ENE	.0	.6	.1	6.3	.0	.9	.0	.1	.0	.3	.0	.0	.0	.0	.1	8.2	8.9
E	.0	.6	.1	10.3	.0	1.3	.0	.6	.0	.0	.0	.1	.0	.0	.2	13.0	9.5
ESE	.0	.6	.1	5.7	.0	1.6	.0	.4	.0	.1	.0	.0	.0	.0	.1	8.5	9.9
SE	.0	.3	.1	5.2	.0	2.2	.0	1.0	.0	.7	.0	.1	.0	.1	.1	9.9	12.9
SSE	.0	.0	.0	3.6	.0	1.3	.0	.4	.0	.1	.0	.1	.0	.0	.1	5.7	11.7
S	.0	.1	.1	5.2	.0	2.4	.0	1.9	.0	1.2	.0	.1	.0	.0	.2	11.1	13.3
SSW	.0	.1	.0	1.8	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	2.7	9.6
SW	.0	.3	.0	2.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	2.7	8.4
WSW	.0	.6	.0	1.5	.0	.1	.0	.1	.0	.1	.0	.0	.0	.1	.0	2.7	10.9
W	.0	.0	.0	2.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	8.3
WNW	.0	.1	.0	.9	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.3	8.7
NW	.0	.4	.0	1.2	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	2.2	9.1
NNW	.0	.3	.0	2.7	.0	.4	.0	.9	.0	.1	.0	.0	.0	.0	.1	4.5	9.8
CALM	.0	1.6													.0	1.6	
TOTAL	.1	7.3	.9	66.6	.2	14.7	.1	7.0	.0	3.3	.0	.7	.0	.3	1.4	100	10.0

BPT PORT ARTHUR, TX

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 12917

NO. OBS.: 1029

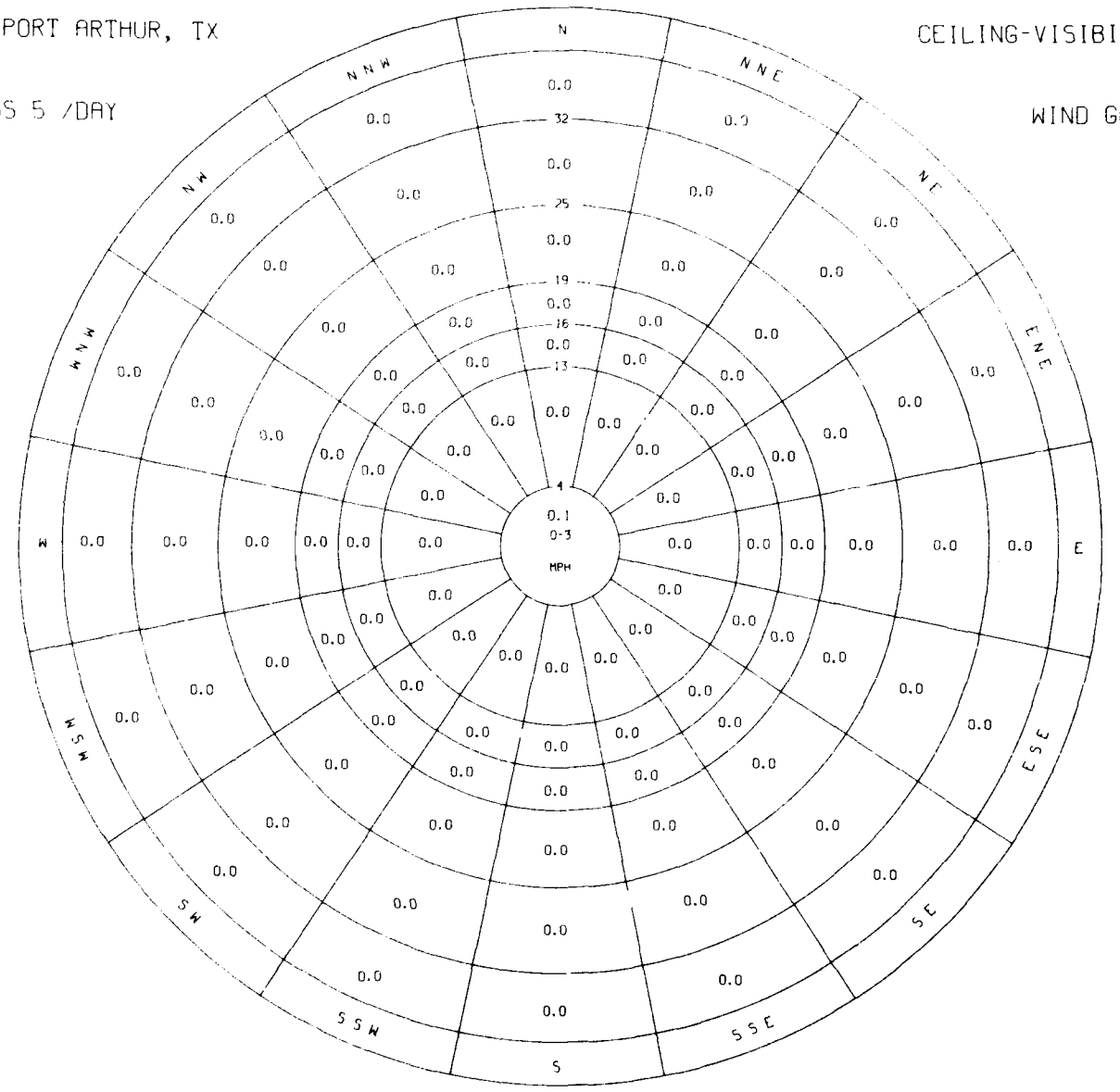
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.3	.2	5.7	.0	.6	.0	.5	.0	.3	.0	.0	.0	.0	.2	7.4	9.6
NNE	.0	.3	.1	3.6	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.1	4.4	9.1
NE	.0	.5	.1	2.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.4	7.5
ENE	.0	.2	.1	3.7	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.1	4.9	9.3
E	.0	.5	.1	4.9	.0	1.2	.0	.4	.0	.1	.0	.0	.0	.1	.2	7.1	9.6
ESE	.0	.3	.1	4.9	.0	1.6	.0	.4	.0	.4	.0	.0	.0	.0	.2	7.5	10.7
SE	.0	.4	.1	4.8	.0	1.7	.0	1.7	.0	.7	.0	.2	.0	.0	.2	9.3	12.2
SSE	.0	.7	.1	5.2	.1	3.3	.1	3.1	.0	.7	.0	.0	.0	.0	.3	13.0	12.6
S	.0	.8	.2	8.8	.1	4.0	.1	2.3	.0	.4	.0	.1	.0	.0	.4	16.4	11.5
SSW	.0	.0	.1	4.1	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.1	.2	6.6	11.4
SW	.0	.3	.1	4.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.1	8.5
WSW	.0	.3	.0	1.1	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	1.7	8.7
W	.0	.2	.0	1.6	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.1	2.0	8.2
WNW	.0	.2	.1	2.1	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1	2.7	9.5
NW	.0	.0	.0	1.2	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.7	10.7
NNW	.0	.0	.1	2.7	.0	.4	.0	.1	.0	.2	.0	.0	.0	.0	.1	3.4	9.8
CALM	.1	3.4													.1	3.4	
TOTAL	.2	8.3	1.6	61.5	.4	16.5	.3	10.3	.1	2.9	.0	.3	.0	.2	2.6	100	10.2

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 12917

NO. OBS.: 181

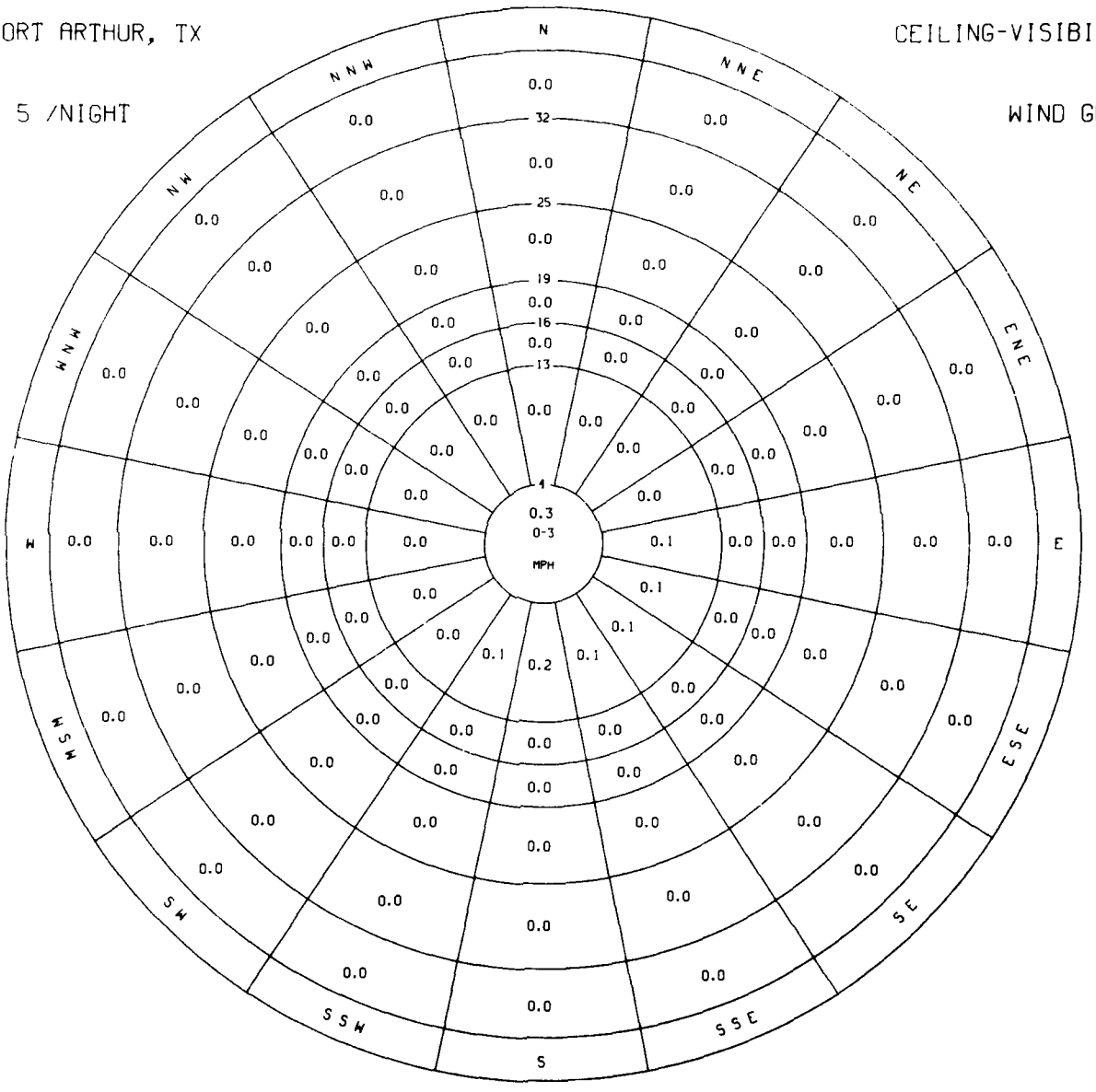
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	1.1	.0	5.5	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	7.7	7.9
NNE	.0	.6	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.9
NE	.0	.0	.0	6.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.2	7.7
ENE	.0	1.1	.0	6.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	7.9
E	.0	.6	.0	11.6	.0	1.1	.0	.0	.0	.6	.0	.0	.0	.6	.1	14.4	9.1
ESE	.0	.6	.0	5.0	.0	2.2	.0	.6	.0	.6	.0	.0	.0	.0	.0	8.8	11.4
SE	.0	.6	.0	5.0	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	7.2	9.6
SSE	.0	1.1	.0	2.8	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	6.1	9.7
S	.0	.0	.0	5.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	8.0
SSW	.0	.0	.0	2.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	10.2
SW	.0	.0	.1	2.2	.1	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	2.8	13.0
WSW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	9.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	5.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	3.9	8.1
NW	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	2.8	11.4
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	3.9	11.9
CALM	.0	3.9													.0	3.9	
TOTAL	.1	14.8	.1	72.0	.2	13.8	.0	3.9	.0	1.1	.0	1.1	.0	1.7	.4	100	8.6

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 12917

NO. OBS.: 549

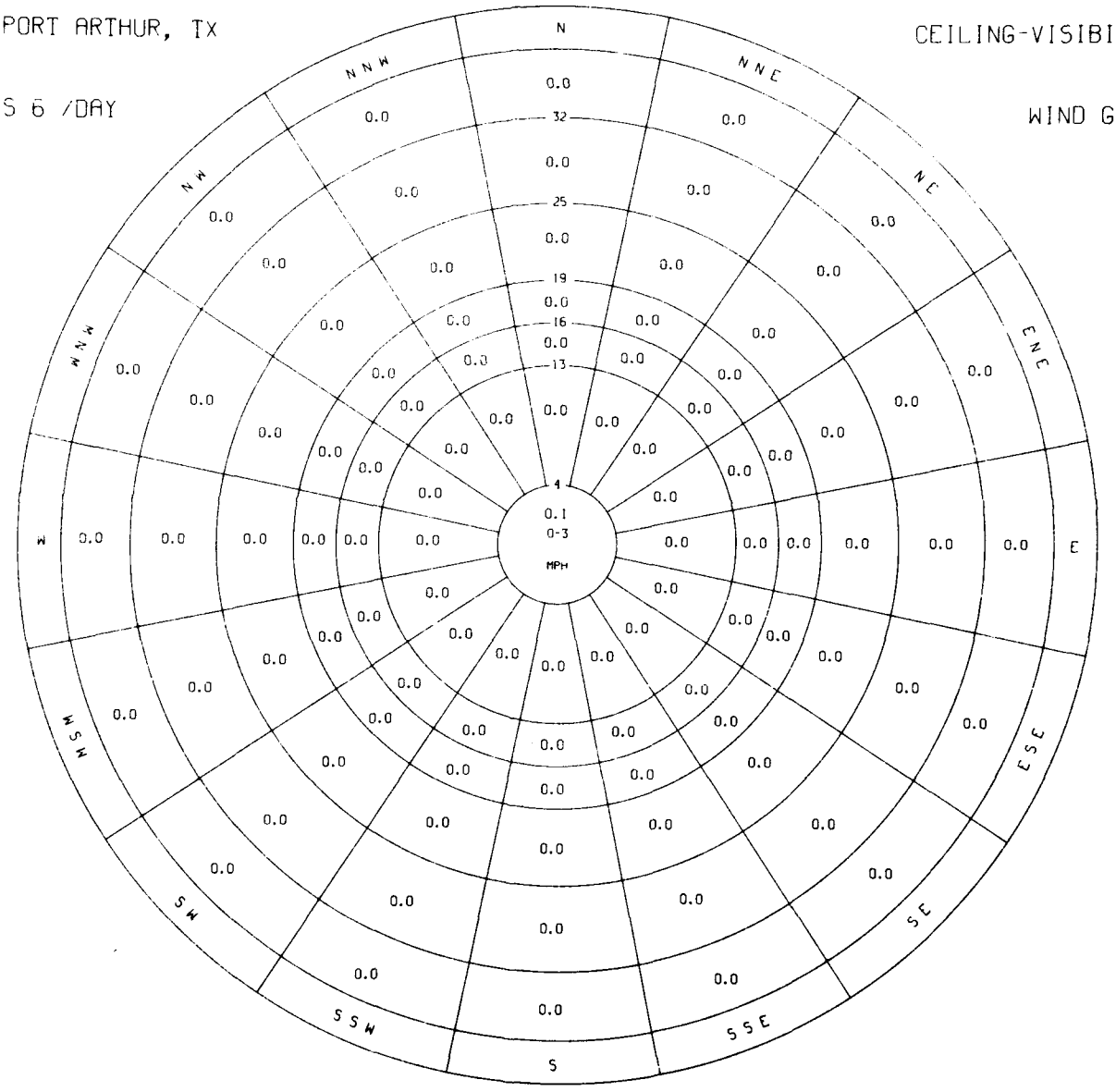
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	1.5	.0	3.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.1	6.6
NNE	.0	.7	.0	1.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	6.9
NE	.0	.5	.0	3.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.8	6.7
ENE	.0	1.3	.0	2.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	6.3
E	.0	1.1	.1	6.7	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	8.6	7.5
ESE	.0	.7	.1	6.4	.0	.9	.0	.9	.0	.2	.0	.0	.0	.0	.1	9.1	9.6
SE	.0	.5	.1	6.9	.0	2.9	.0	.9	.0	.4	.0	.0	.0	.0	.2	11.7	10.5
SSE	.0	1.8	.1	5.8	.0	2.9	.0	.9	.0	.2	.0	.0	.0	.0	.2	11.7	9.9
S	.0	1.6	.2	12.2	.0	2.4	.0	.4	.0	.2	.0	.0	.0	.0	.2	16.8	8.8
SSW	.0	.9	.1	3.8	.0	.7	.0	.5	.0	.4	.0	.0	.0	.0	.1	6.4	9.4
SW	.0	.7	.0	3.5	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.9	8.2
WSW	.0	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.9
W	.0	.4	.0	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	6.3
WNW	.0	.4	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.3
NW	.0	.7	.0	.9	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.8	6.9
NNW	.0	.9	.0	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.1
CALM	.1	5.6													.1	5.6	
TOTAL	.3	19.9	.9	61.7	.2	12.9	.1	4.2	.0	1.3	.0	.0	.0	.0	1.4	100	8.0

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 12917

NO. OBS.: 208

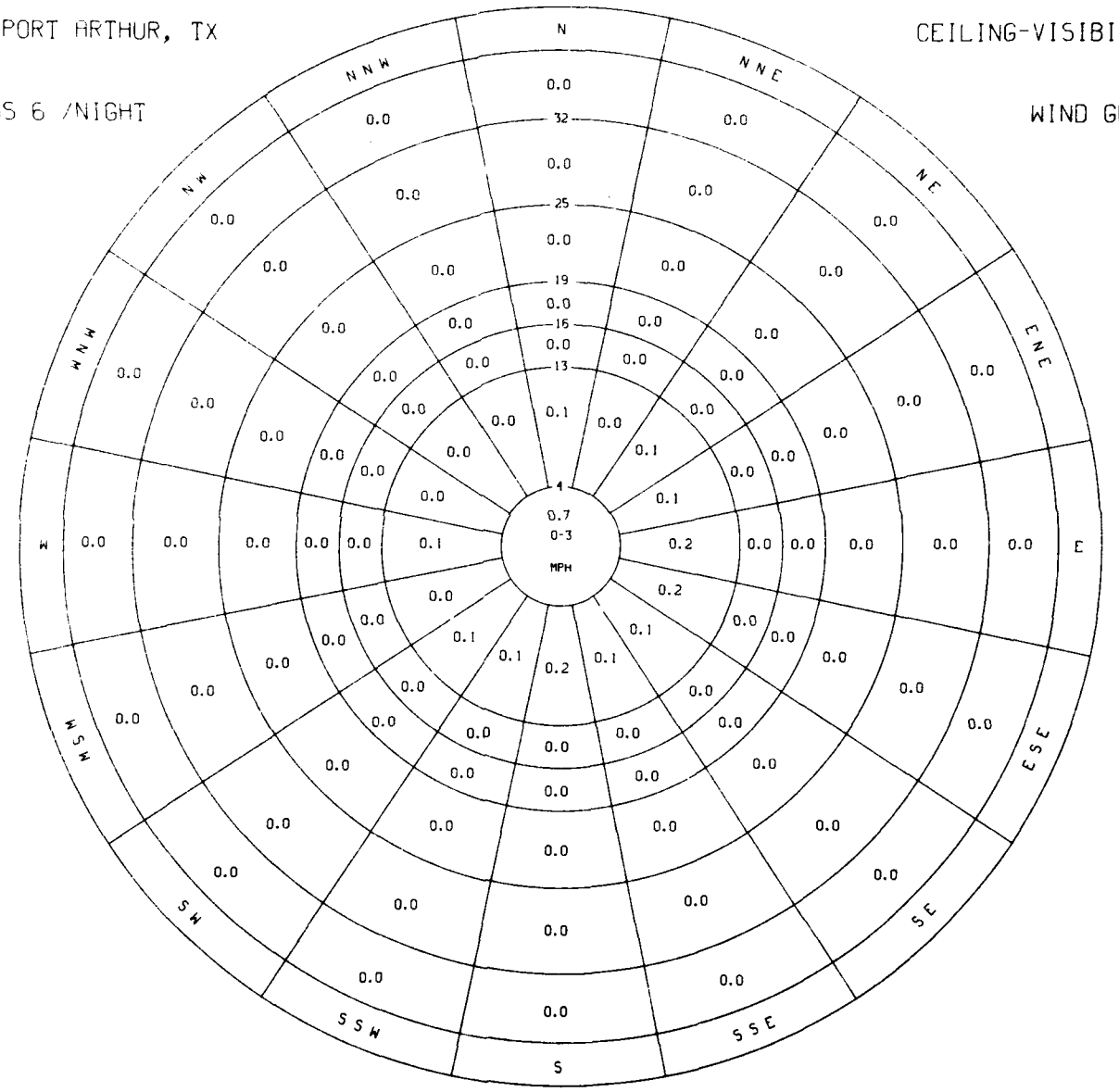
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.4	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	5.0
NNE	.0	1.0	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	5.2
NE	.0	1.4	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.4
ENE	.0	2.9	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.7	5.5
E	.0	1.4	.0	10.6	.0	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.1	13.5	7.0
ESE	.0	1.4	.0	8.7	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	7.4
SE	.0	1.4	.0	3.8	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	8.0
SSE	.0	.5	.0	2.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	7.3
S	.0	.0	.0	2.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	10.2
SSW	.0	1.4	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	7.5
SW	.0	1.9	.0	1.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.1
WSW	.0	.5	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.8
W	.0	1.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	5.0
WNW	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	7.0
NW	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.2
NNW	.0	1.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	5.7
CALM	.0	11.5													.0	11.5	
TOTAL	.1	31.7	.3	61.5	.0	6.3	.0	.5	.0	.0	.0	.0	.0	.0	.4	100	5.8

BPT PORT ARTHUR, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BPT PORT ARTHUR, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 12917

NO. OBS.: 886

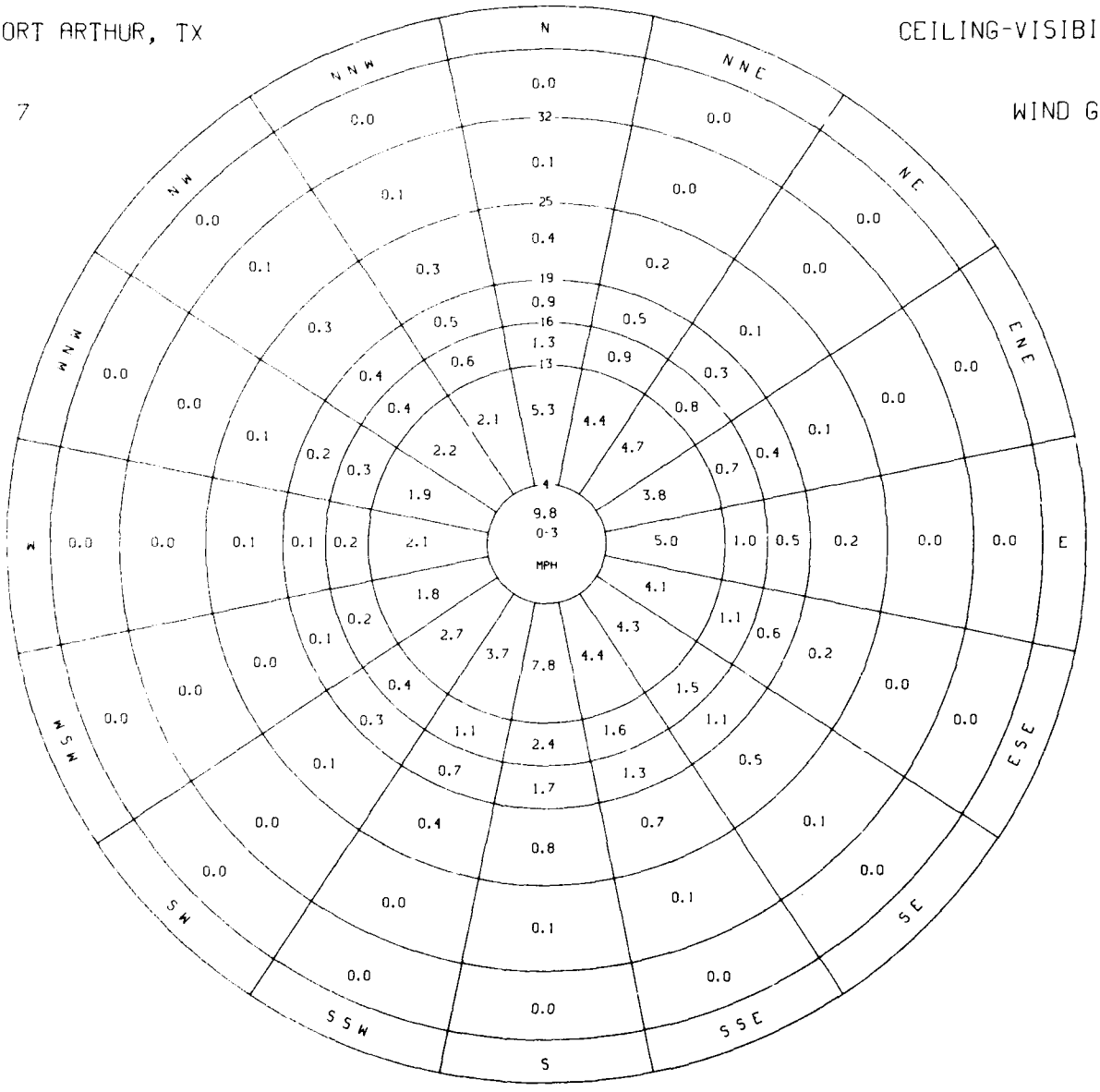
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.8	.1	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	5.9
NNE	.0	.6	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	5.6
NE	.0	1.4	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.6	4.9
ENE	.0	1.0	.1	3.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.0	6.0
E	.0	1.5	.2	8.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.9	6.9
ESE	.0	1.0	.2	8.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.3	7.7
SE	.0	1.4	.1	5.6	.0	.5	.0	.7	.0	.1	.0	.0	.0	.0	.2	8.2	8.0
SSE	.0	.9	.1	4.1	.0	.7	.0	.3	.0	.1	.0	.0	.0	.0	.1	6.1	8.7
S	.0	2.1	.2	7.9	.0	.8	.0	.2	.0	.0	.0	.0	.0	.0	.2	11.1	7.1
SSW	.0	.9	.1	6.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.7	7.2
SW	.0	1.2	.1	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.7	5.9
WSW	.0	.8	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.8	5.8
W	.0	1.0	.1	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.3	5.5
WNW	.0	.6	.0	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	5.9
NW	.0	.6	.0	1.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.4	6.1
NNW	.0	1.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.3	4.6
CALM	.3	12.5													.3	12.5	
TOTAL	.7	29.5	1.5	64.8	.1	4.3	.0	1.2	.0	.2	.0	.0	.0	.0	2.3	100	5.9

BPT PORT ARTHUR, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH

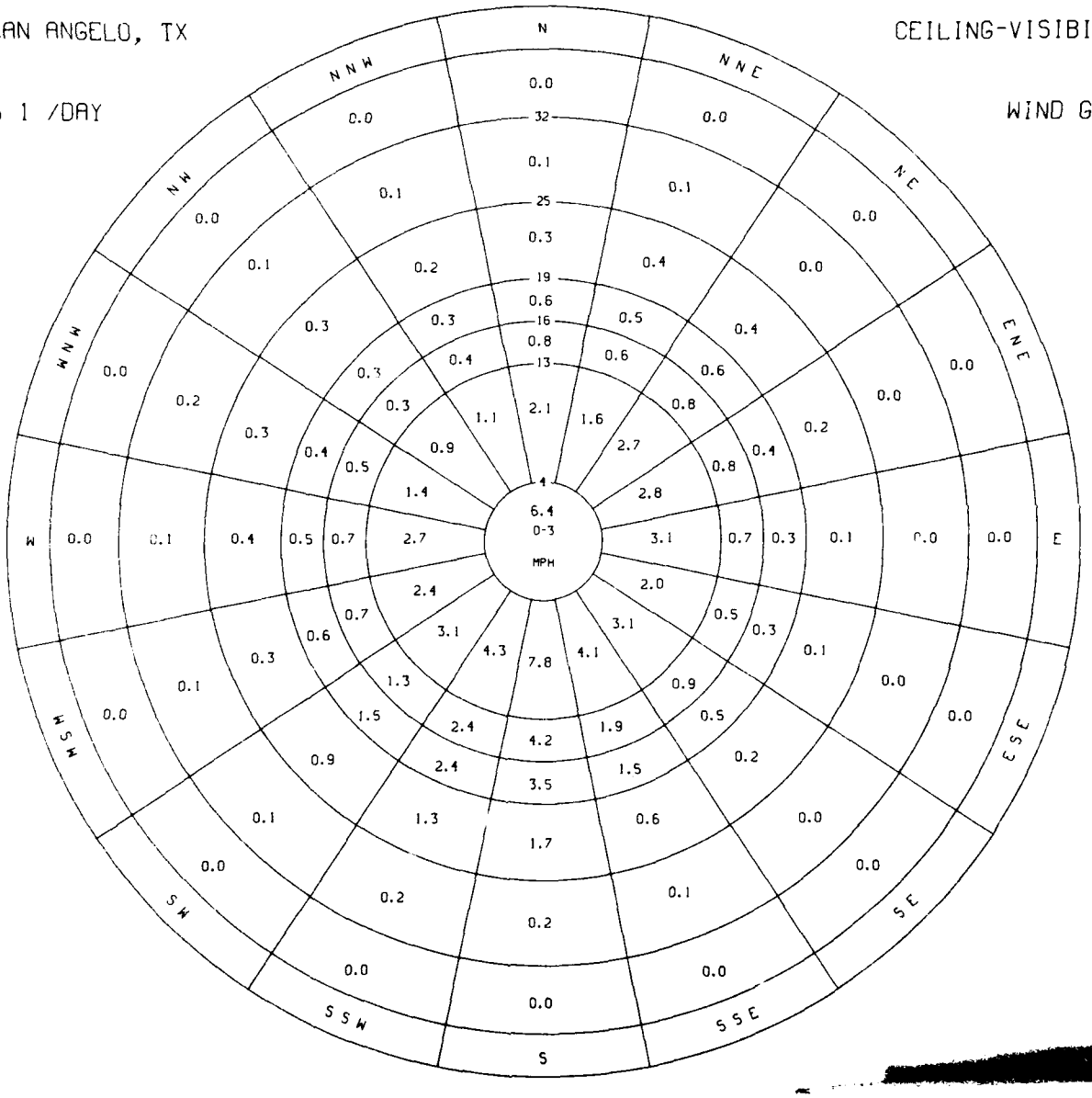


SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 23034

NO. OBS.: 41904

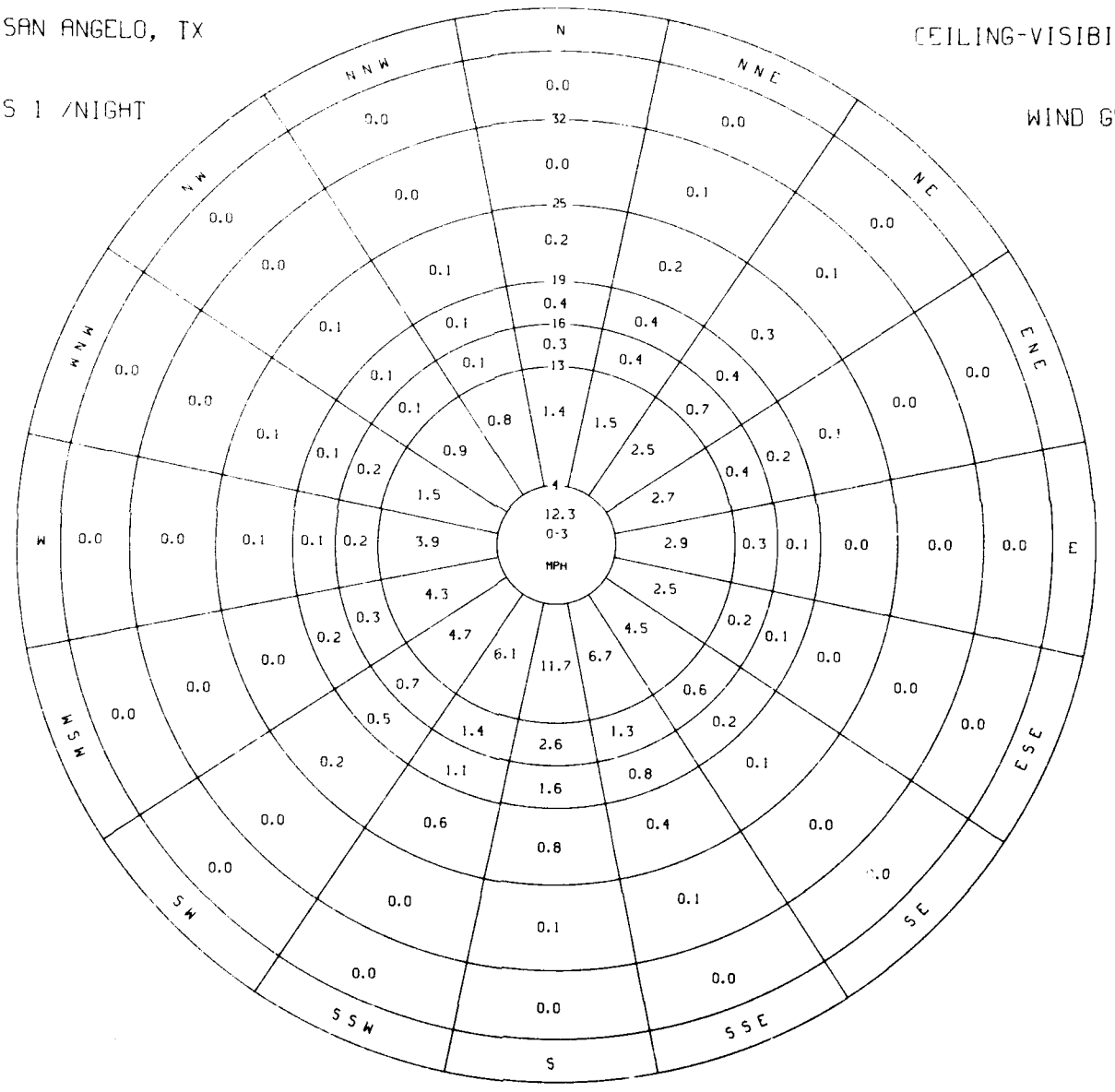
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.1	2.1	2.3	.8	.8	.6	.7	.3	.3	.1	.1	.0	.0	4.0	4.3	12.2
N N E	.1	.1	1.6	1.7	.6	.6	.5	.6	.4	.4	.1	.1	.0	.0	3.3	3.5	12.8
N E	.1	.1	2.7	2.9	.8	.9	.6	.7	.4	.4	.0	.1	.0	.0	4.7	5.0	11.7
E N E	.1	.1	2.8	3.0	.8	.8	.4	.4	.2	.2	.0	.0	.0	.0	4.3	4.6	11.0
E	.1	.1	3.1	3.4	.7	.8	.3	.4	.1	.1	.0	.0	.0	.0	4.4	4.7	10.2
E S E	.1	.1	2.0	2.2	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.0	3.2	10.5
S E	.1	.1	3.1	3.4	.9	.9	.5	.6	.2	.2	.0	.0	.0	.0	4.9	5.2	10.9
S S E	.1	.1	4.1	4.4	1.9	2.0	1.5	1.6	.6	.7	.1	.1	.0	.0	8.3	8.9	12.6
S	.2	.2	7.8	8.4	4.2	4.6	3.5	3.8	1.7	1.9	.2	.2	.0	.0	17.6	19.0	13.1
S S W	.1	.1	4.3	4.6	2.4	2.6	2.4	2.6	1.3	1.4	.2	.2	.0	.0	10.7	11.5	13.8
S W	.1	.1	3.1	3.3	1.3	1.4	1.5	1.6	.9	1.0	.1	.1	.0	.0	7.0	7.5	13.2
W S W	.1	.1	2.4	2.6	.7	.7	.6	.7	.3	.3	.1	.1	.0	.0	4.2	4.5	11.7
W	.1	.1	2.7	3.0	.7	.7	.5	.5	.4	.4	.1	.1	.0	.0	4.6	4.9	11.6
W N W	.1	.1	1.4	1.5	.5	.5	.4	.4	.3	.4	.2	.2	.0	.1	2.9	3.2	13.5
N W	.1	.1	.9	1.0	.3	.4	.3	.3	.3	.3	.1	.1	.0	.0	2.0	2.2	13.0
N N W	.1	.1	1.1	1.2	.4	.4	.3	.3	.2	.3	.1	.1	.0	.0	2.1	2.3	12.4
C A L M	4.9	5.3													4.9	5.3	
T O T A L	6.4	6.9	45.3	48.9	17.4	18.8	14.4	15.5	7.7	8.3	1.3	1.4	.2	.2	92.7	100	11.8

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 1 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-197

CLASS 1 / NIGHT

STATION NUMBER: 23034

NO. OBS.: 3340

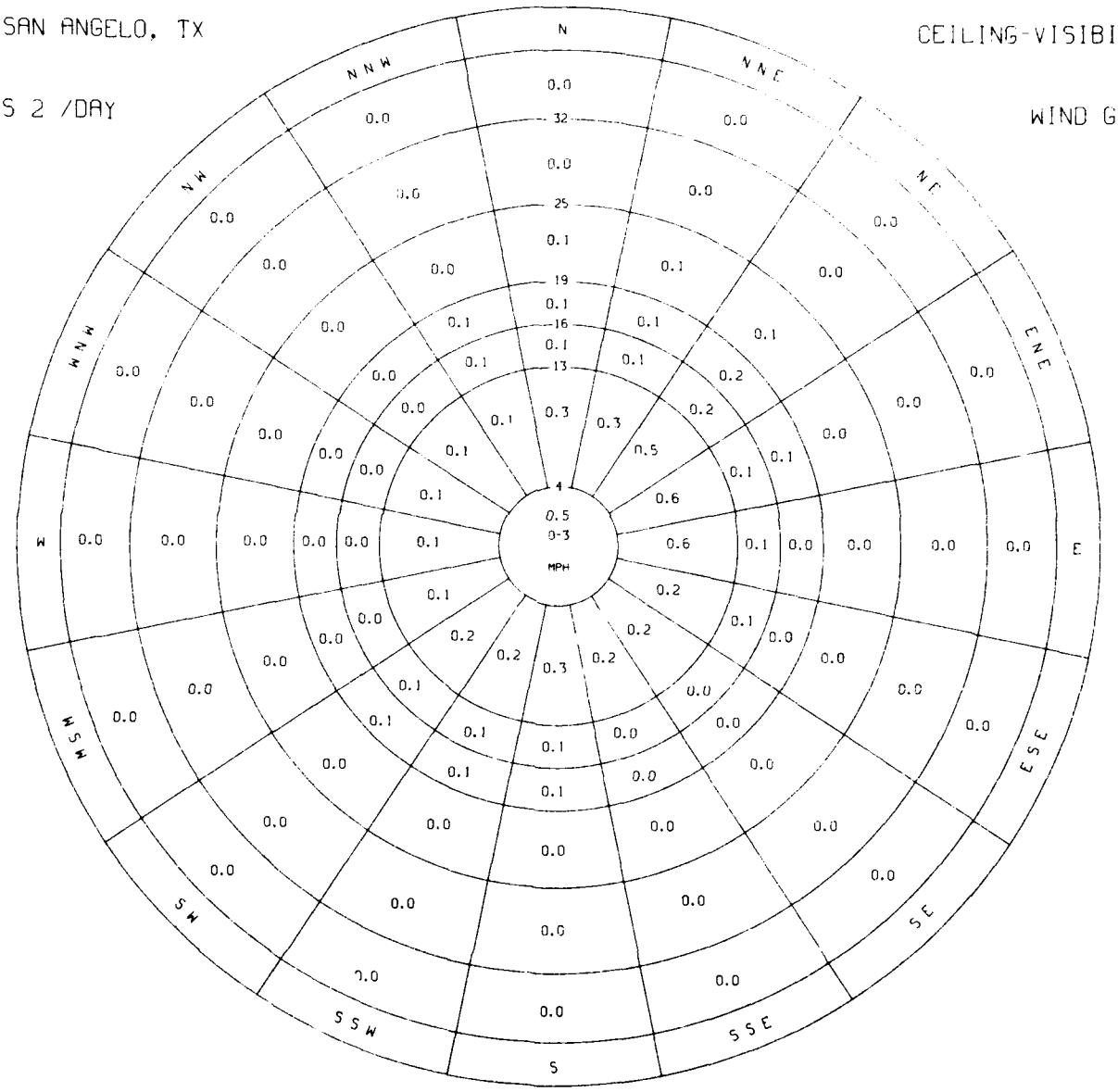
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.1	1.4	1.6	.3	.4	.4	.4	.2	.2	.0	.0	.0	.0	2.4	2.7	11.2
NNE	.1	.1	1.5	1.6	.4	.5	.4	.4	.2	.3	.1	.1	.0	.0	2.6	2.9	11.8
NE	.1	.2	2.5	2.8	.7	.7	.4	.5	.3	.3	.1	.1	.0	.0	4.2	4.6	11.2
ENE	.1	.1	2.7	2.8	.4	.5	.2	.3	.1	.1	.0	.0	.0	.0	3.5	3.9	9.6
E	.1	.1	2.9	3.1	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.4	3.7	8.4
ESE	.1	.1	2.5	2.8	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.4	8.5
SE	.2	.2	4.5	4.9	.6	.6	.2	.3	.1	.1	.0	.0	.0	.0	5.6	6.1	8.9
SSE	.2	.2	6.7	7.3	1.3	1.4	.8	.9	.4	.4	.1	.1	.0	.0	9.4	10.3	10.4
S	.2	.3	11.7	12.8	2.6	2.9	1.6	1.7	.8	.9	.1	.1	.0	.0	17.1	18.7	10.7
SSW	.2	.3	6.1	6.7	1.4	1.5	1.1	1.2	.6	.6	.0	.0	.0	.0	9.4	10.4	10.8
SW	.3	.3	4.7	5.2	.7	.8	.5	.6	.2	.2	.0	.0	.0	.0	6.5	7.1	9.4
WSW	.2	.2	4.3	4.7	.3	.4	.2	.2	.0	.0	.0	.0	.0	.0	5.0	5.5	8.6
W	.2	.2	3.9	4.2	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	4.5	5.0	8.4
WNW	.1	.1	1.5	1.7	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.0	2.2	9.6
NW	.1	.1	.9	1.0	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.3	1.5	9.7
NNW	.1	.1	.8	.8	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.2	1.3	10.9
CALM	9.9	10.9													9.9	10.9	
TOTAL	12.3	13.5	58.6	64.3	10.0	11.0	6.4	7.0	3.2	3.5	.5	.6	.1	.1	91.2	100	8.9

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



812

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] SAN ANGELO, Tx

PERIOD: 1943-[illegible]

CLASS 2 / DAY

STATION NUMBER: 23034

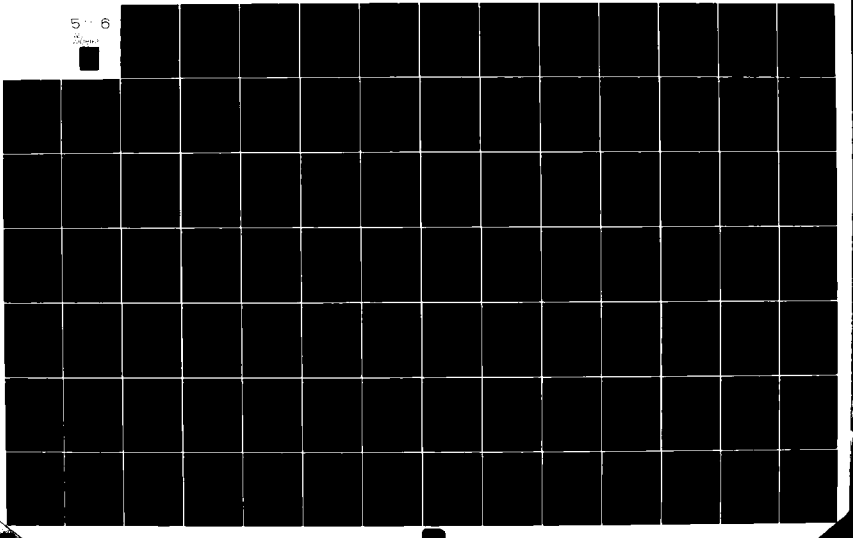
NO. OBS.: 32

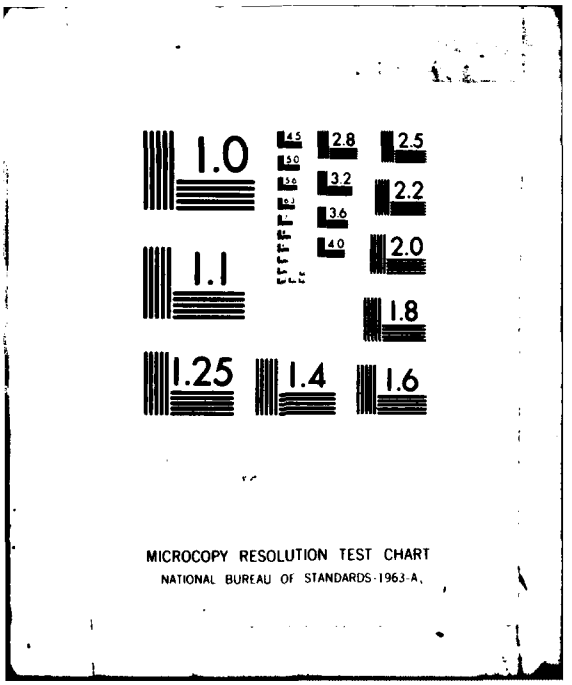
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.2	.3	3.8	.1	1.9	.1	1.4	.1	.9	.0	.1	.0	.0	.6	8.2	12.9
N N E	.0	.1	.3	3.9	.1	2.0	.1	1.4	.1	.8	.0	.2	.0	.0	.6	8.4	13.1
N E	.0	.1	.5	7.4	.2	3.0	.2	2.2	.1	1.3	.0	.2	.0	.0	1.0	14.3	12.6
E N E	.0	.0	.6	7.9	.1	[illegible]	.1	1.4	.0	.6	.0	.1	.0	.0	.9	12.0	11.3
E	.0	.3	.6	7.6	.1	1.6	.0	.5	.0	.2	.0	.0	.0	.0	.8	10.3	9.7
E S E	.0	.1	.2	3.3	.1	.8	.0	.2	.0	.1	.0	.0	.0	.0	.3	4.4	9.5
S E	.0	.2	.2	2.2	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	2.8	9.1
S S E	.0	.1	.2	2.2	.0	.6	.0	.5	.0	.0	.0	.0	.0	.0	.2	3.3	10.3
S	.0	.1	.3	3.7	.1	1.7	.1	1.6	.0	.4	.0	.0	.0	.1	.5	7.5	12.3
S S W	.0	.1	.2	2.8	.1	1.1	.1	.8	.0	.6	.0	.2	.0	.0	.4	5.6	13.1
S W	.0	.0	.2	2.4	.1	1.5	.1	.9	.0	.5	.0	.1	.0	.1	.4	5.5	13.0
W S W	.0	.1	.1	1.7	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.2	2.4	10.4
W	.0	.1	.1	1.4	.0	.2	.0	.1	.0	.1	.0	.1	.0	.0	.1	2.1	11.3
W N W	.0	.1	.1	1.1	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.4	13.8
N W	.0	.1	.1	1.1	.0	.5	.0	.2	.0	.1	.0	.1	.0	.0	.2	3.1	13.6
N N W	.0	.2	.1	1.5	.1	.7	.1	.7	.0	.4	.0	.1	.0	.0	.3	3.5	12.9
C A L M	.4	5.7													.4	5.7	
T O T A L	.5	7.5	3.9	54.0	1.3	18.3	.9	12.2	.4	6.2	.1	1.2	.0	.6	[illegible]	100.0	11.2

AD-A108 165 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS, VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL

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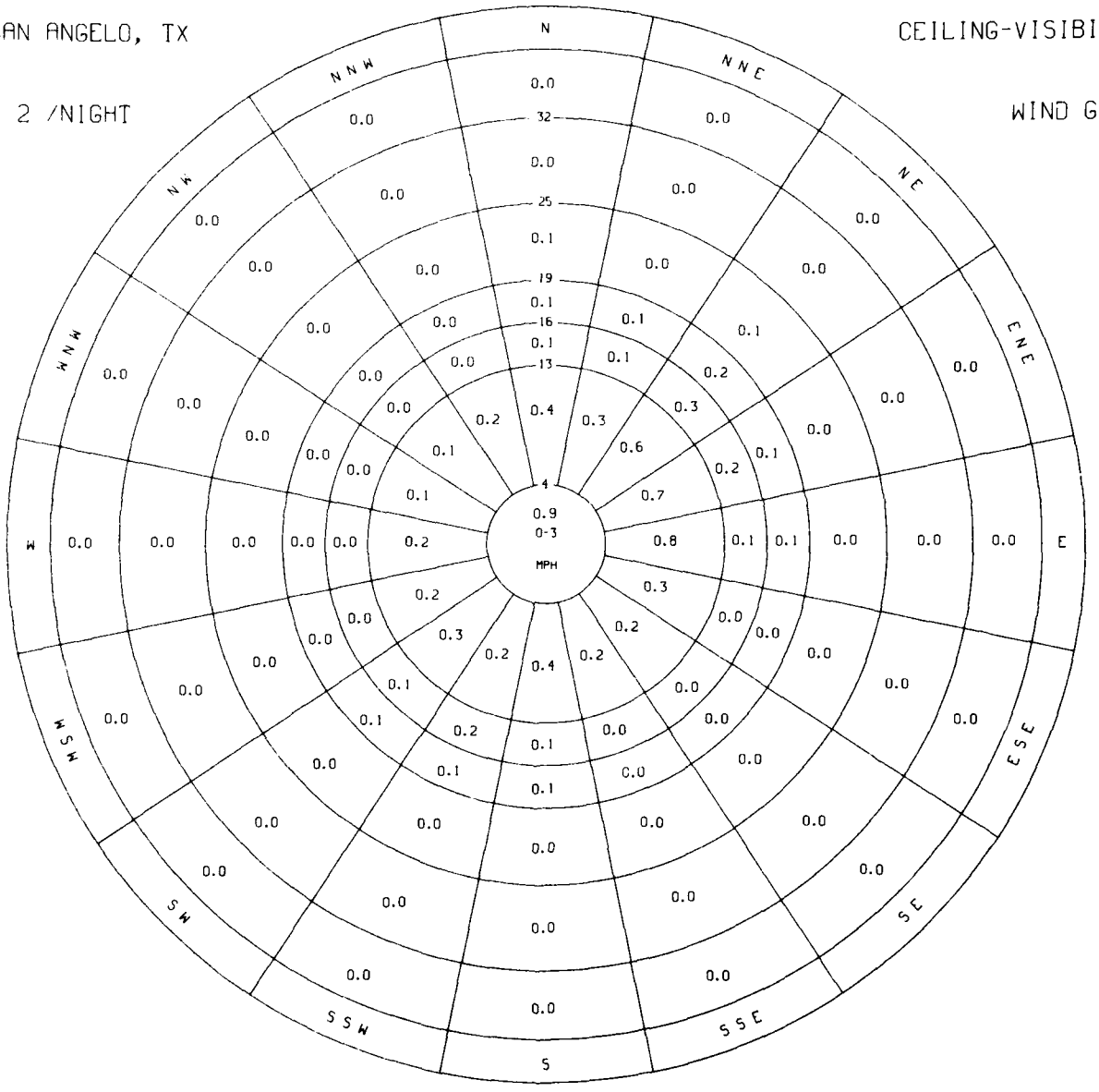

1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
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5.6
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 23034

NO. OBS.: 3211

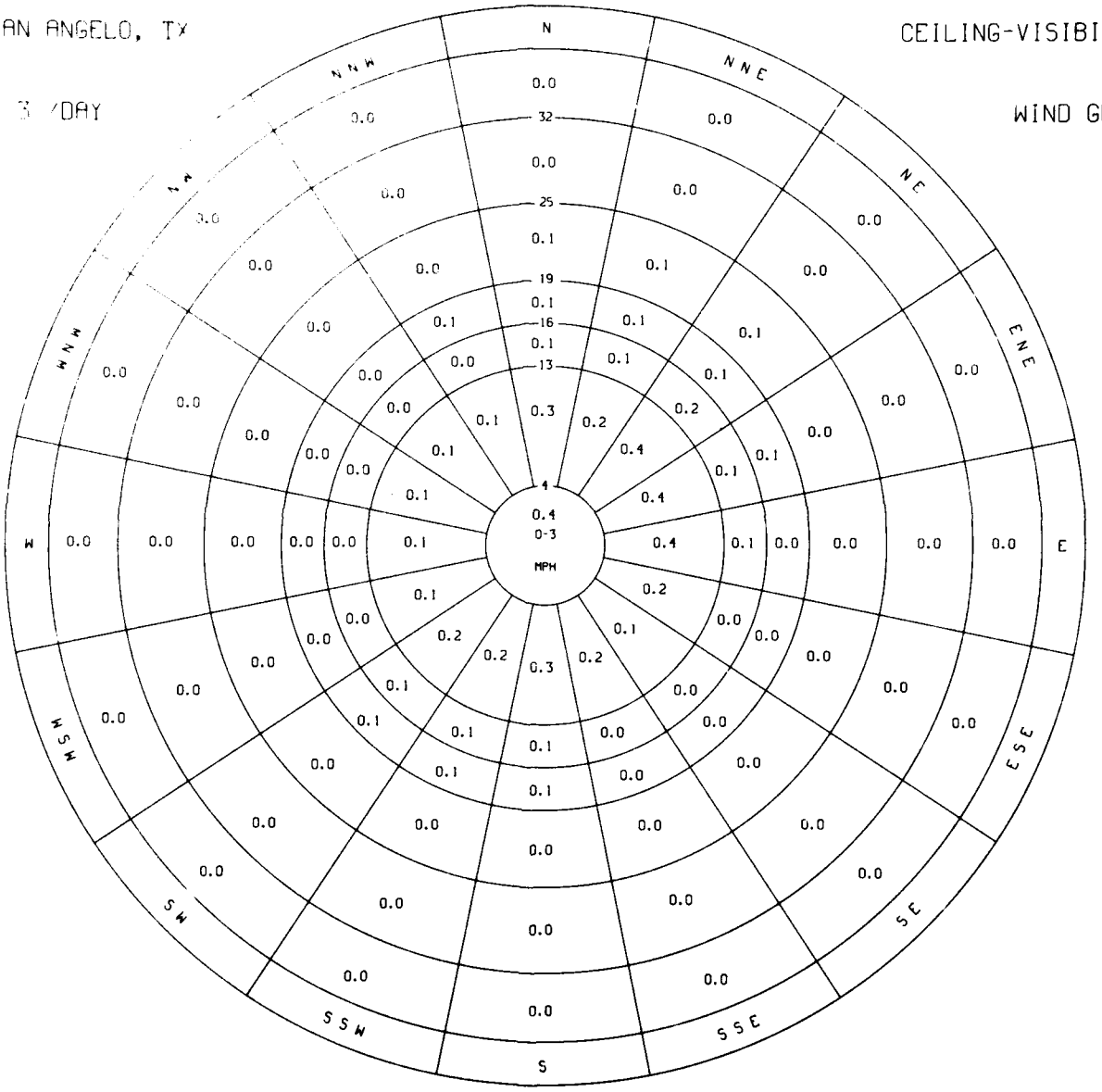
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.4	4.3	.1	1.6	.1	1.2	.1	.6	.0	.1	.0	.0	.7	7.9	12.0
NNE	.0	.1	.3	3.7	.1	1.5	.1	1.3	.0	.5	.0	.3	.0	.0	.6	7.4	12.8
NE	.0	.4	.6	6.6	.3	2.9	.2	1.8	.1	.8	.0	.1	.0	.0	1.1	12.5	11.8
ENE	.0	.2	.7	8.4	.2	2.2	.1	1.0	.0	.4	.0	.0	.0	.0	1.1	12.2	10.6
E	.0	.2	.8	8.7	.1	.9	.1	.6	.0	.1	.0	.0	.0	.0	.9	10.5	9.1
ESE	.0	.2	.3	3.4	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.9	8.0
SE	.0	.2	.2	2.3	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.9	8.4
SSE	.0	.0	.2	2.3	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.3	3.0	9.7
S	.0	.2	.4	4.4	.1	1.2	.1	.9	.0	.5	.0	.0	.0	.0	.6	7.2	11.3
SSW	.0	.1	.2	2.8	.2	1.7	.1	1.3	.0	.6	.0	.1	.0	.0	.6	6.6	13.0
SW	.0	.1	.3	3.7	.1	1.5	.1	.8	.0	.5	.0	.0	.0	.0	.6	6.6	11.9
WSW	.0	.1	.2	2.1	.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.2	2.6	10.1
W	.0	.1	.2	1.7	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.2	2.0	9.3
WNW	.0	.1	.1	.9	.0	.2	.0	.0	.0	.1	.0	.1	.0	.0	.1	1.4	11.0
NW	.0	.0	.1	1.6	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.2	2.3	10.6
NNW	.0	.1	.2	1.7	.0	.3	.0	.3	.0	.2	.0	.1	.0	.0	.2	2.7	11.6
CALM	.7	8.2													.7	8.2	
TOTAL	.9	10.4	5.1	58.4	1.4	15.6	.9	10.1	.4	4.5	.1	.8	.0	.2	8.8	100	10.1

SJT SAN ANGELO, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 23034

NO. OBS.: 2835

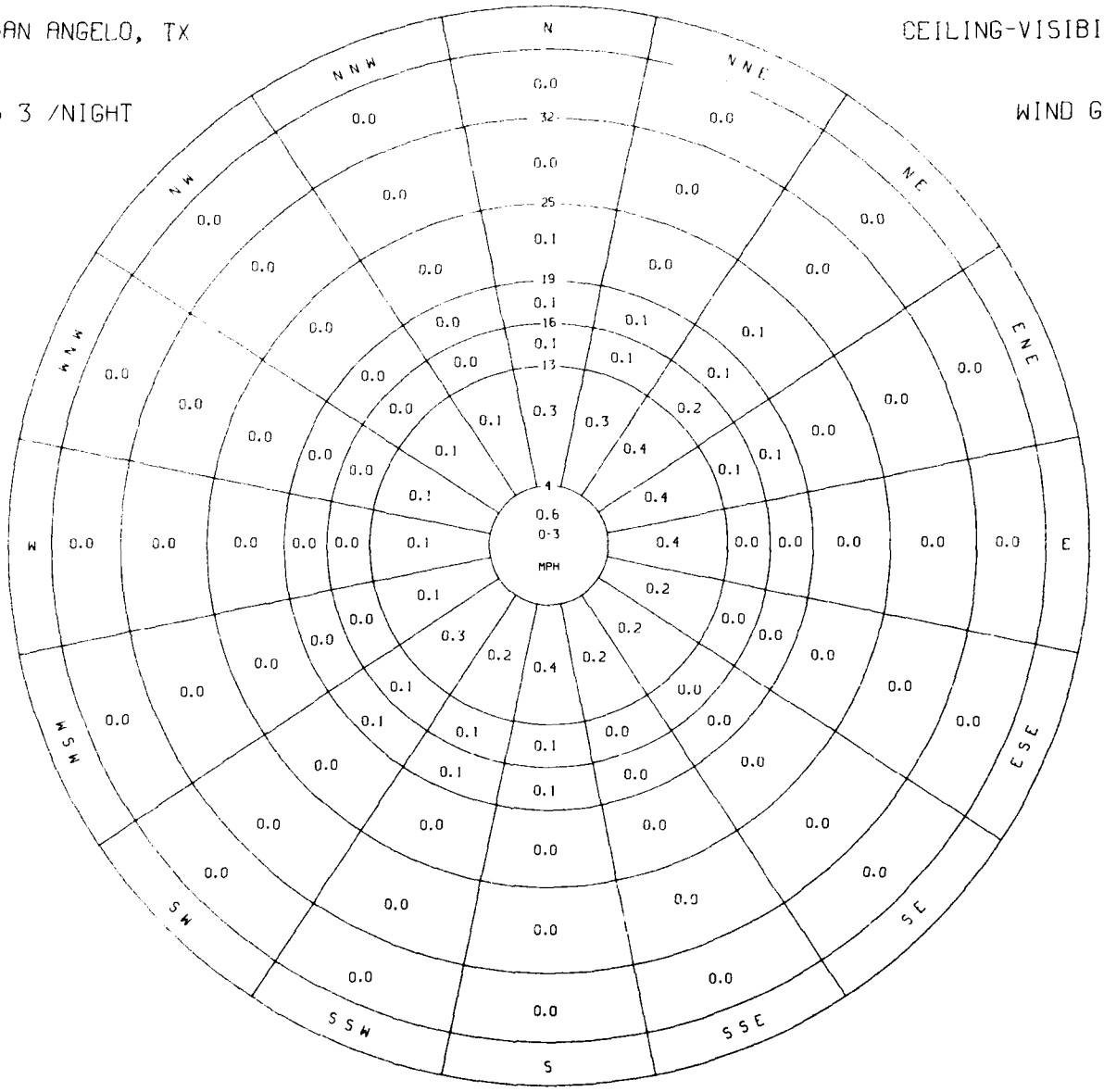
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.1	.3	4.0	.1	2.1	.1	1.6	.1	.9	.0	.1	.0	.0	.6	9.8	13.1
NNE	.0	.1	.2	3.9	.1	2.2	.1	1.6	.1	.8	.0	.2	.0	.0	.6	8.9	13.2
NE	.0	.1	.4	6.9	.2	2.9	.1	2.3	.1	1.3	.0	.2	.0	.0	.9	13.6	12.8
ENE	.0	.0	.4	6.6	.1	1.8	.1	1.5	.0	.7	.0	.1	.0	.0	.7	10.7	11.6
E	.0	.2	.4	6.4	.1	1.6	.0	.5	.0	.2	.0	.0	.0	.0	.6	8.9	9.9
ESE	.0	.1	.2	3.1	.0	.7	.0	.2	.0	.1	.0	.0	.0	.0	.3	4.2	9.6
SE	.0	.1	.1	2.3	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.2	3.0	9.3
SSE	.0	.1	.2	2.4	.0	.7	.0	.5	.0	.0	.0	.0	.0	.0	.2	3.7	10.4
S	.0	.1	.3	4.0	.1	1.9	.1	1.8	.0	.5	.0	.0	.0	.1	.5	8.4	12.5
SSW	.0	.1	.2	3.1	.1	1.3	.1	.9	.0	.7	.0	.2	.0	.0	.4	6.2	13.2
SW	.0	.0	.2	2.5	.1	1.7	.1	1.0	.0	.5	.0	.1	.0	.0	.4	5.9	13.2
WSW	.0	.1	.1	1.7	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.2	2.5	10.6
W	.0	.1	.1	1.4	.0	.2	.0	.1	.0	.1	.0	.1	.0	.1	.1	2.1	11.0
WNW	.0	.1	.1	1.0	.0	.0	.0	.1	.0	.1	.0	.1	.0	.1	.1	1.6	12.5
NW	.0	.1	.1	1.2	.0	.6	.0	.3	.0	.1	.0	.0	.0	.1	.2	2.5	12.7
NNW	.0	.2	.1	1.6	.0	.8	.1	.8	.0	.4	.0	.0	.0	.0	.2	3.7	12.7
CALM	.3	5.3													.3	5.3	
TOTAL	.4	7.0	3.3	52.2	1.2	19.2	.8	13.5	.4	6.5	.1	1.2	.0	.5	6.3	100	11.4

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 23034

NO. OBS.: 2471

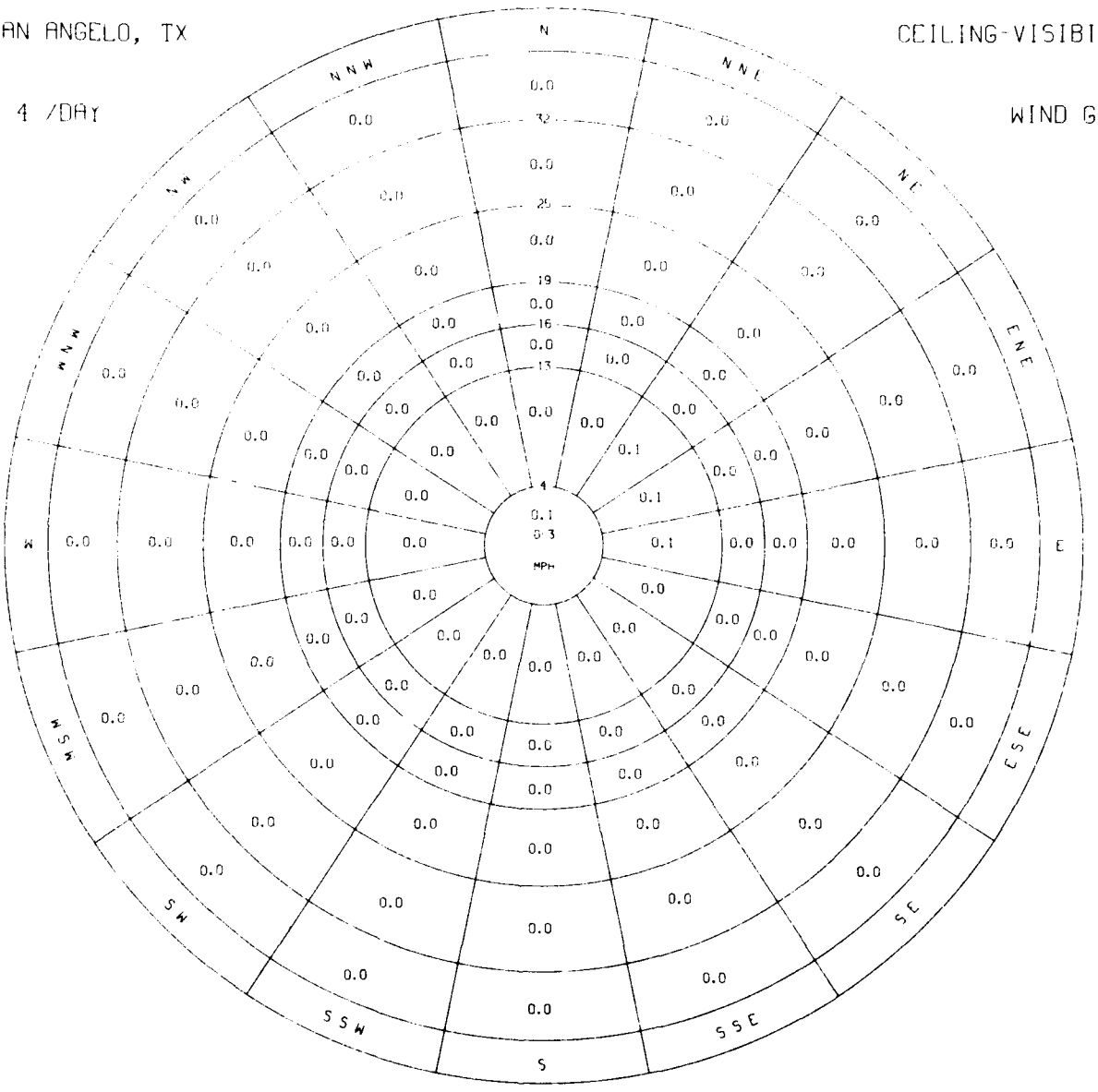
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.3	4.7	.1	1.9	.1	1.5	.1	.8	.0	.0	.0	.0	.6	9.1	12.4
NNE	.0	.1	.3	3.8	.1	1.7	.1	1.6	.0	.6	.0	.3	.0	.0	.5	8.1	13.2
NE	.0	.2	.4	5.8	.2	2.7	.1	1.9	.1	.9	.0	.1	.0	.0	.8	11.7	12.5
ENE	.0	.0	.4	6.3	.1	1.4	.1	1.0	.0	.4	.0	.0	.0	.0	.6	9.1	10.9
E	.0	.1	.4	6.5	.0	.7	.0	.6	.0	.0	.0	.0	.0	.0	.5	8.0	9.2
ESE	.0	.2	.2	3.3	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	3.7	7.9
SE	.0	.2	.2	2.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	3.2	8.7
SSE	.0	.0	.2	2.7	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.2	3.6	9.9
S	.0	.2	.4	5.2	.1	1.5	.1	1.1	.0	.7	.0	.0	.0	.0	.6	8.8	11.5
SSW	.0	.1	.2	3.5	.1	2.1	.1	1.7	.0	.7	.0	.1	.0	.0	.5	8.1	13.2
SW	.0	.1	.3	4.2	.1	1.8	.1	1.1	.0	.7	.0	.0	.0	.0	.5	7.9	12.3
WSW	.0	.1	.1	2.1	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.2	2.8	10.6
W	.0	.0	.1	1.3	.0	.0	.0	.1	.0	.2	.0	.0	.0	.0	.1	1.7	10.3
WNW	.0	.0	.1	1.0	.0	.2	.0	.0	.0	.1	.0	.1	.0	.0	.1	1.5	11.4
NW	.0	.0	.1	1.7	.0	.5	.0	.2	.0	.2	.0	.0	.0	.0	.2	2.7	10.4
NNW	.0	.1	.1	1.9	.0	.4	.0	.4	.0	.2	.0	.1	.0	.0	.2	3.0	11.8
CALM	.5	6.8													.5	6.8	
TOTAL	.6	8.6	3.8	56.6	1.1	16.2	.8	11.9	.4	5.5	.1	.9	.0	.2	6.7	100	10.7

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 23034

NO. OBS.: 331

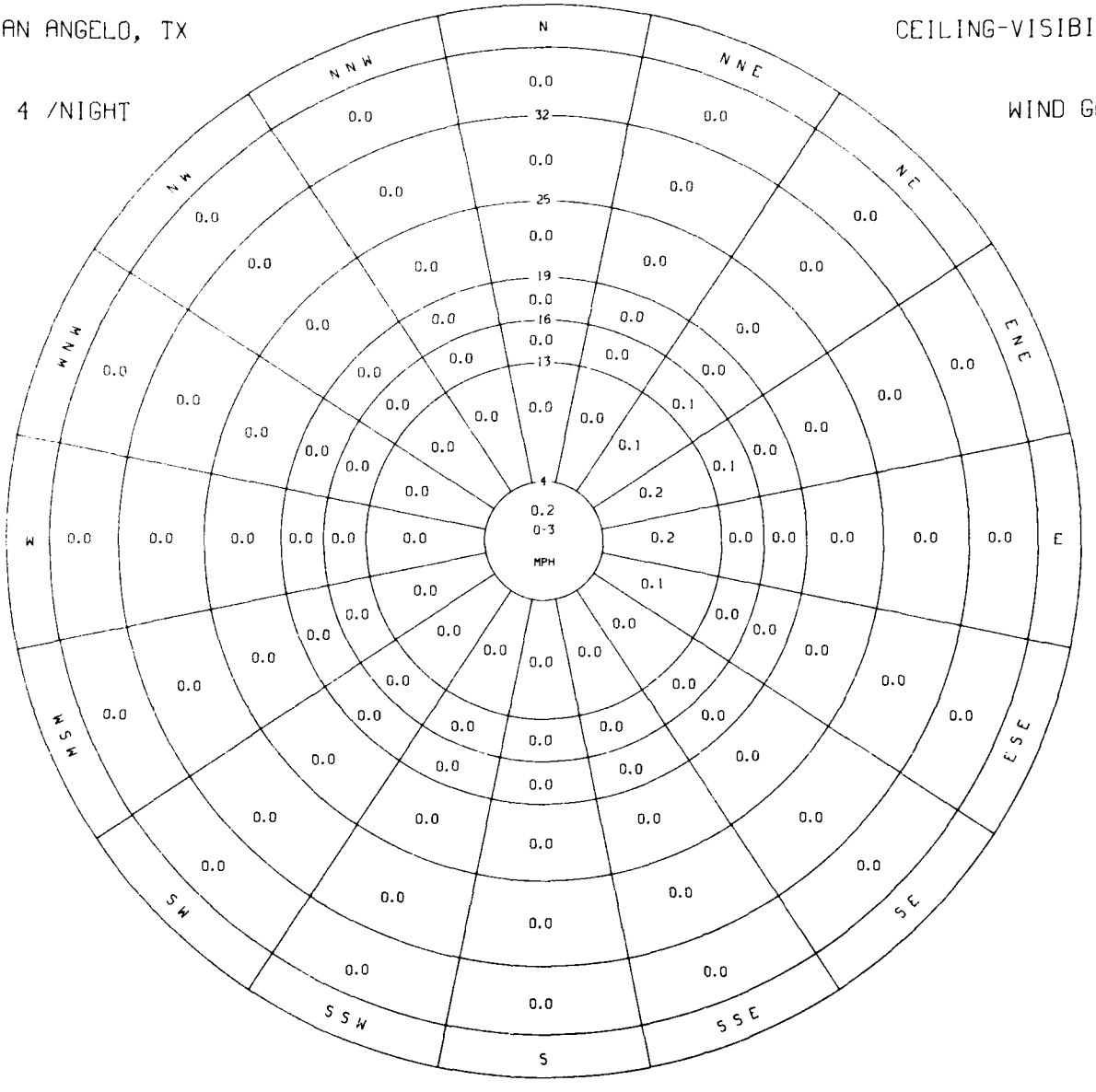
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.0	3.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	5.4	10.5
NNE	.0	.0	.0	4.2	.0	.9	.0	.3	.0	.9	.0	.0	.0	.0	.0	6.3	12.8
NE	.0	.3	.1	12.1	.0	4.8	.0	2.4	.0	1.5	.0	.0	.0	.0	.2	21.1	11.8
ENE	.0	.0	.1	13.3	.0	2.7	.0	1.5	.0	.3	.0	.3	.0	.0	.1	18.1	10.6
E	.0	.6	.1	15.7	.0	2.1	.0	.6	.0	.6	.0	.0	.0	.0	.1	19.6	9.2
ESE	.0	.0	.0	5.1	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.6	9.3
SE	.0	.3	.0	1.5	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.1	7.4
SSE	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	6.5
S	.0	.3	.0	2.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.7	9.0
SSW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.9	11.3
SW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	7.0
WSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	12.0
W	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.8	10.8
WNW	.0	.0	.0	1.2	.0	.3	.0	.0	.0	.0	.0	.3	.0	1.2	.0	3.0	21.8
NW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3	.0	.9	24.3
NNW	.0	.0	.0	.9	.0	.3	.0	.0	.0	.6	.0	.3	.0	.0	.0	2.1	16.7
CALM	.1	6.9													.1	6.9	
TOTAL	.1	9.4	.5	63.4	.1	13.6	.0	5.4	.0	5.1	.0	1.5	.0	1.5	.7	100	10.3

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 23034

NO. OBS.: 470

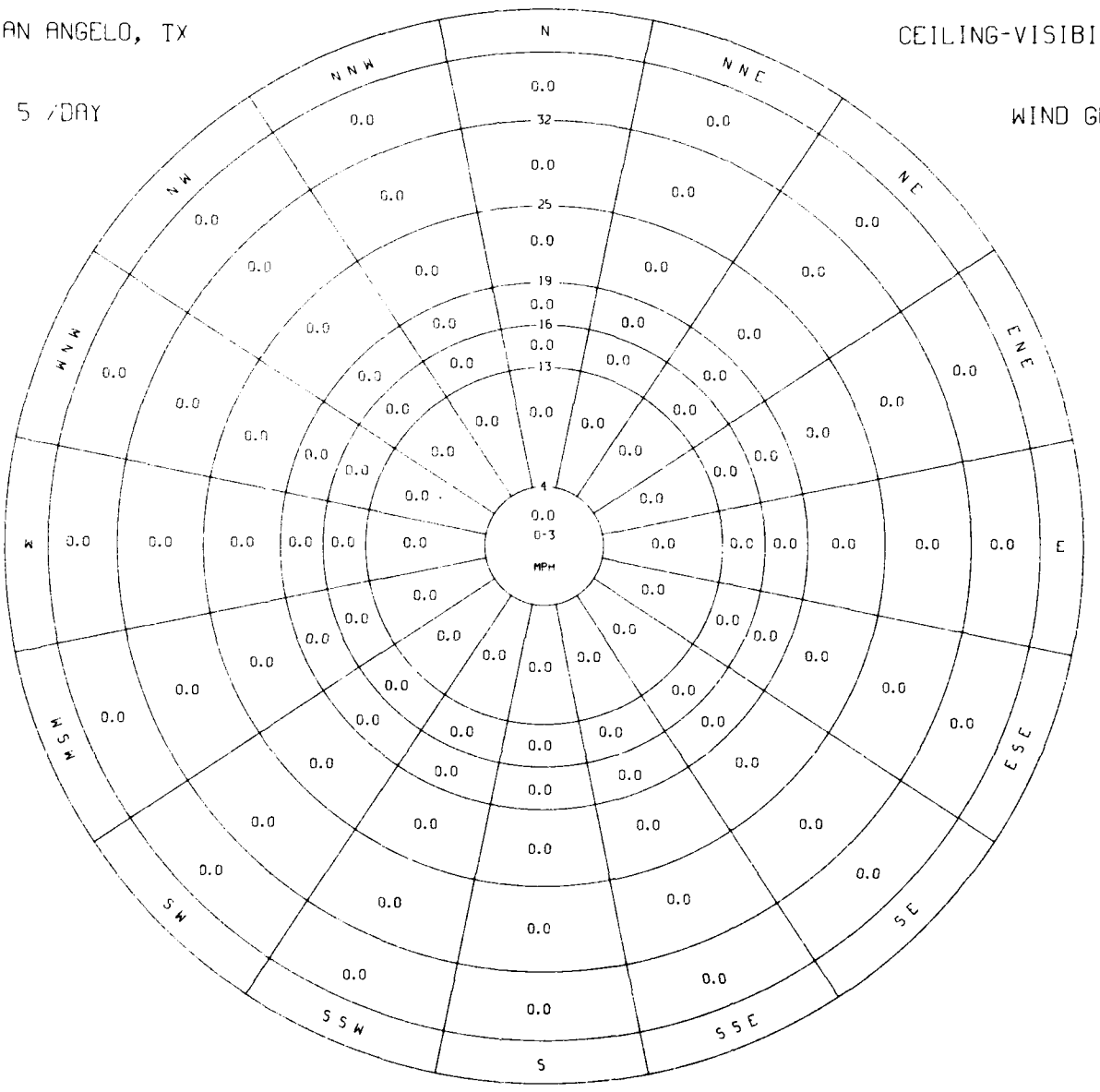
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	3.2	.0	.6	.0	.0	.0	.0	.0	.2	.0	.0	.1	4.0	9.5
NNE	.0	.2	.0	3.6	.0	1.5	.0	.4	.0	.2	.0	.2	.0	.0	.1	6.2	11.2
NE	.0	1.1	.1	9.4	.1	5.1	.0	1.5	.0	.6	.0	.0	.0	.0	.2	17.7	10.7
ENE	.0	.2	.2	16.0	.1	5.1	.0	1.3	.0	.4	.0	.0	.0	.0	.3	23.0	10.4
E	.0	.9	.2	16.4	.0	1.5	.0	.4	.0	.2	.0	.0	.0	.0	.2	19.4	8.6
ESE	.0	.0	.1	4.0	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.9	9.0
SE	.0	.0	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	7.8
SSE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	8.0
S	.0	.0	.0	1.3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.5	7.9
SSW	.0	.2	.0	.2	.0	.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.3	11.3
SW	.0	.0	.0	.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	11.4
WSW	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	8.0
W	.0	.2	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.8
WNW	.0	.0	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	12.0
NW	.0	.0	.0	1.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.0	1.5	14.3
NNW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.5	9.0
CALM	.1	11.1													.1	11.1	
TOTAL	.2	13.8	.8	63.4	.2	16.0	.1	4.5	.0	1.7	.0	.4	.0	.2	1.3	100	8.8

SJT SAN ANGELO, TX

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-197

CLASS 5 / DAY

STATION NUMBER: 23034

NO. OBS.: 7

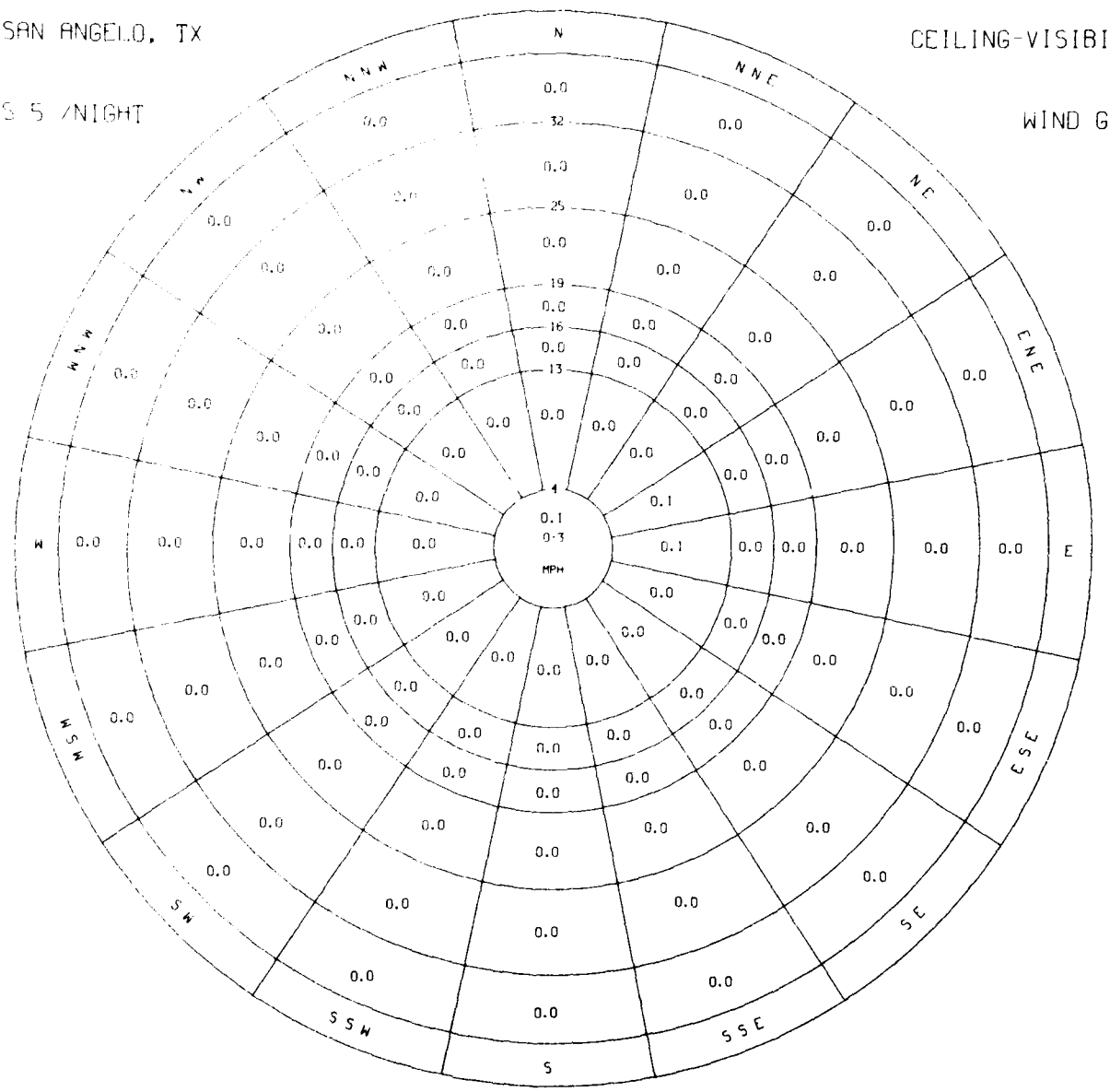
DIR	SPEED GROUPS (MPH)																TOTAL		AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+						
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	5.0
NNE	.0	.0	.0	3.8	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	9.4
NE	.0	.0	.0	6.3	.0	2.5	.0	.0	.0	1.3	.0	.0	.0	1.3	.0	11.4	14.9
ENE	.0	.0	.0	24.1	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	26.6	9.9
E	.0	1.3	.0	19.0	.0	2.5	.0	1.3	.0	.0	.0	.0	.0	.0	.0	24.1	8.6
ESE	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	8.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	5.1	13.0
WSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	8.5
W	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	3.8	18.0
WNW	.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	1.3	.0	1.3	44.0
NNW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	3.8	10.7
CALM	.0	10.1													.0	10.1	
TOTAL	.0	12.7	.1	68.4	.0	10.1	.0	1.3	.0	2.5	.0	1.3	.0	3.8	.2	100	9.8

SJT SAN ANGELO, TX

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 23034

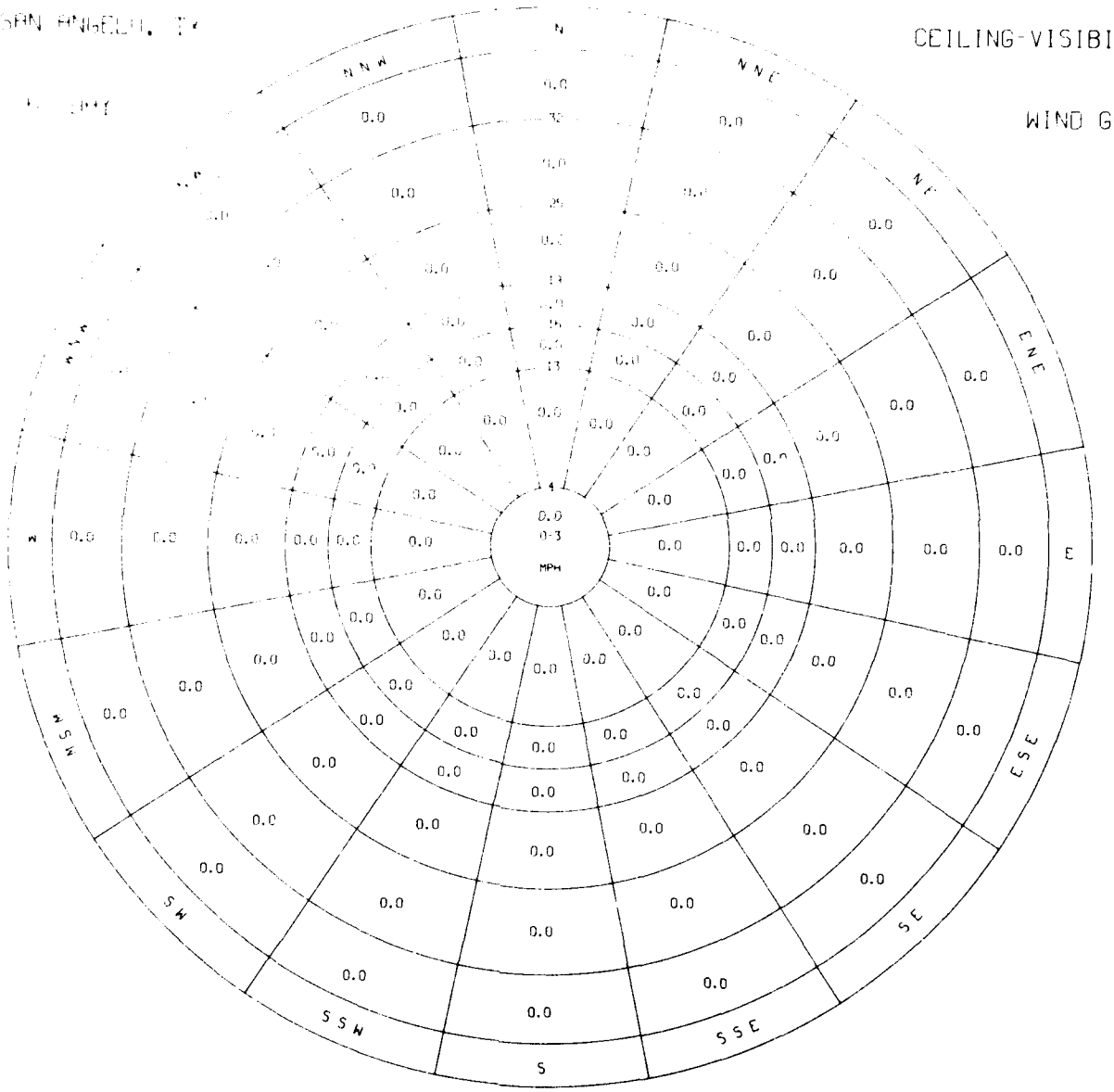
NO. OBS.: 149

DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.7
NNE	.0	.0	.0	2.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	2.7	10.0
NE	.0	.7	.0	10.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	12.1	8.0
ENE	.0	1.3	.1	17.4	.0	4.7	.0	1.3	.0	.0	.0	.0	.0	.0	.1	24.8	9.7
E	.0	.7	.1	17.4	.0	1.3	.0	1.3	.0	.7	.0	.0	.0	.0	.1	21.5	9.7
ESE	.0	.7	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	6.3
SE	.0	1.3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	4.2
SSE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.0
SSW	.0	.0	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	9.2
SW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	5.0
WSW	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	10.0
W	.0	.0	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	7.3
WNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.3
NW	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	9.0
NNW	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	18.0
CALM	.1	12.8													.1	12.8	
TOTAL	.1	18.1	.3	69.1	.0	7.4	.0	4.7	.0	.7	.0	.0	.0	.0	.4	100	7.6

SJT SAN ANGELO, TX

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 23034

NO. OBS.: [illegible]

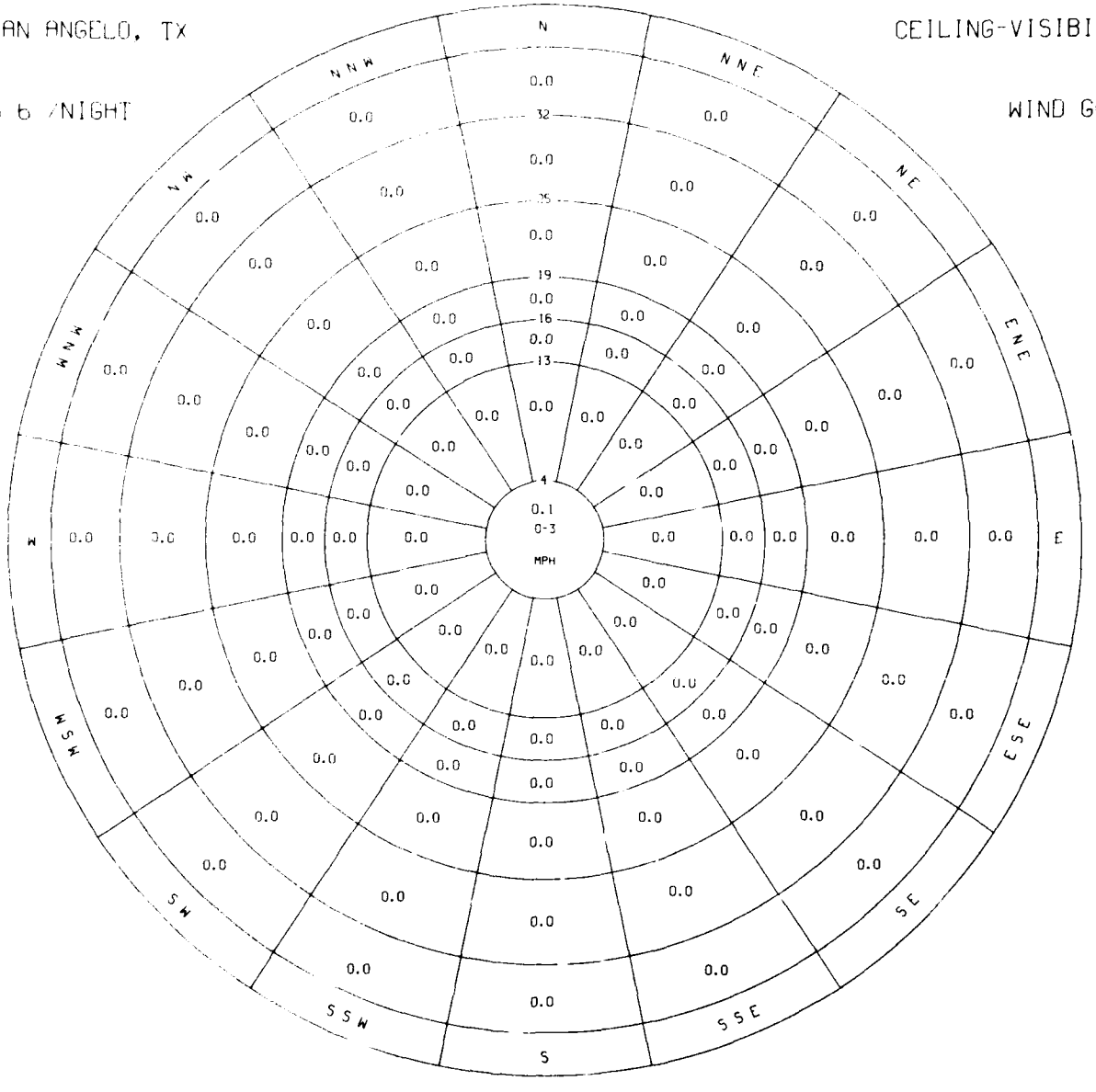
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	8.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	2.7	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	6.5
ENE	.0	.0	.0	18.3	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.0	9.5
E	.0	.0	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	10.5
ESE	.0	.0	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	8.0
SE	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	3.0
SSE	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	7.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	10.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.8	6.5
W	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	12.0
WNW	.0	.0	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	6.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	13.5													.0	13.5	
TOTAL	.0	18.9	.1	73.0	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	100	6.9

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJT SAN ANGELO, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 23034

NO. OBS.: 121

DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.0	.1	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	6.3
NNE	.0	.0	.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	5.2
NE	.0	.0	.1	6.5	.0	.8	.0	1.7	.0	.0	.0	.0	.0	.0	.0	9.1	9.4
ENE	.0	.0	.1	9.1	.0	5.8	.0	.8	.0	.0	.0	.0	.0	.0	.1	17.4	10.3
E	.0	.0	.1	12.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.9	9.1
ESE	.0	.0	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.5
SE	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	6.0
SSE	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	6.0
S	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	7.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	3.0
SW	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	6.2
WSW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0
W	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	7.0
WNW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	7.5
NW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
NNW	.0	.0	.0	1.7	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	10.3
CALM	.1	19.0													.1	19.0	
TOTAL	.1	24.0	.2	62.8	.0	10.7	.0	2.5	.0	.0	.0	.0	.0	.0	.3	100	6.6

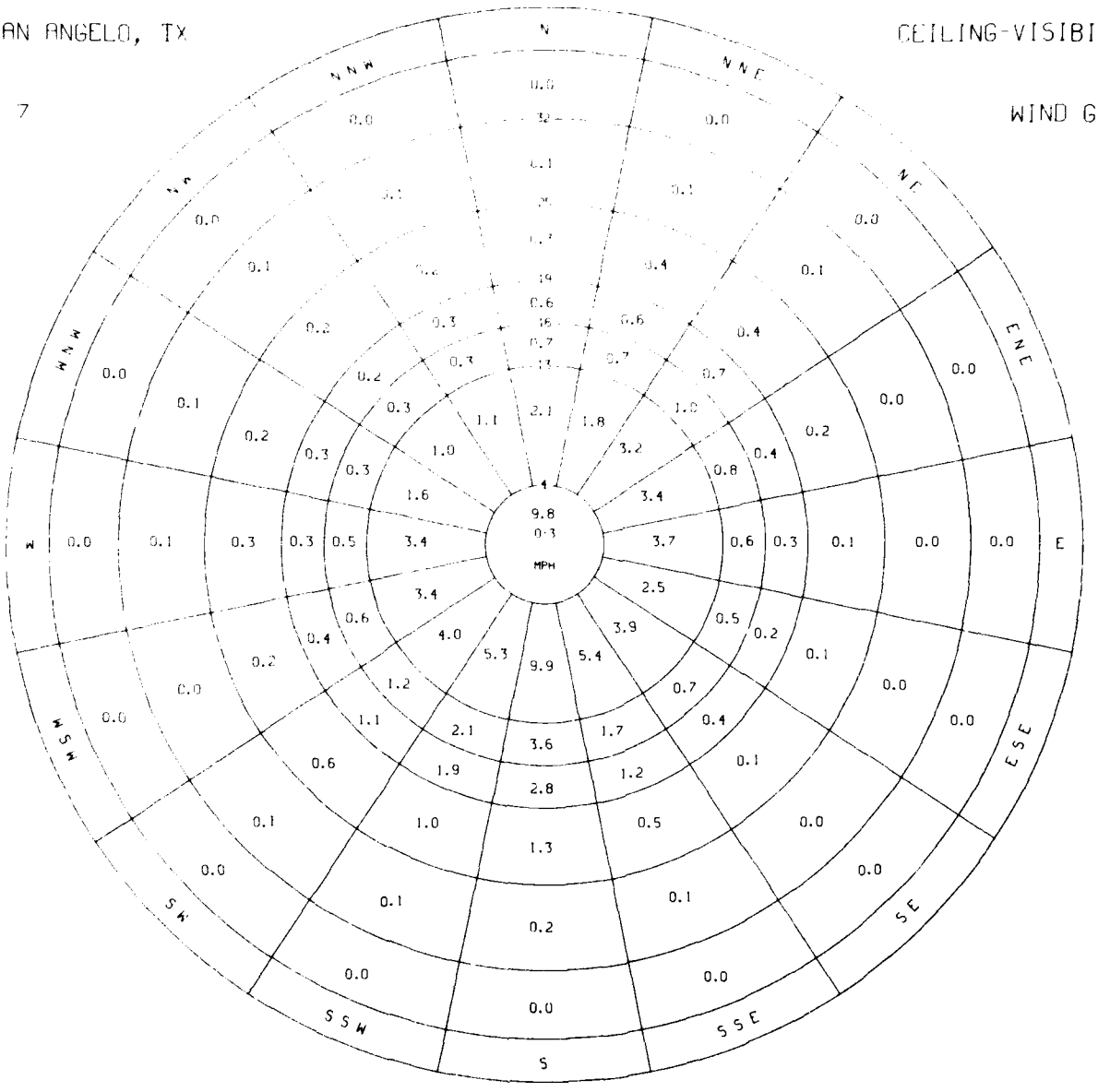
831

SJT SAN ANGELO, TX

CEILING-VISIBILITY

CLASS 7

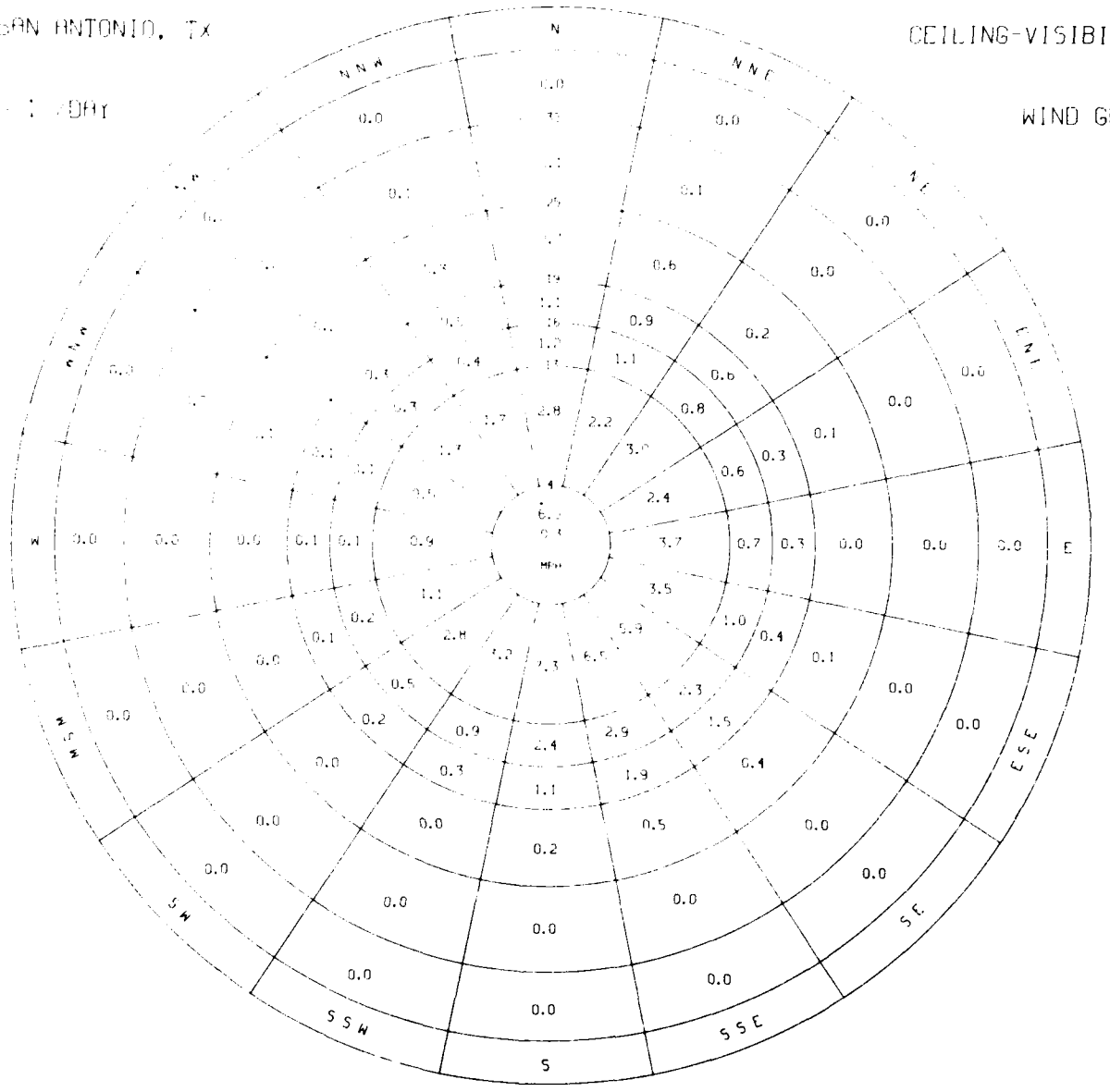
WIND GRAPH



SAT SAN ANTONIO, TX

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 12921

NO. OBS.: 41782

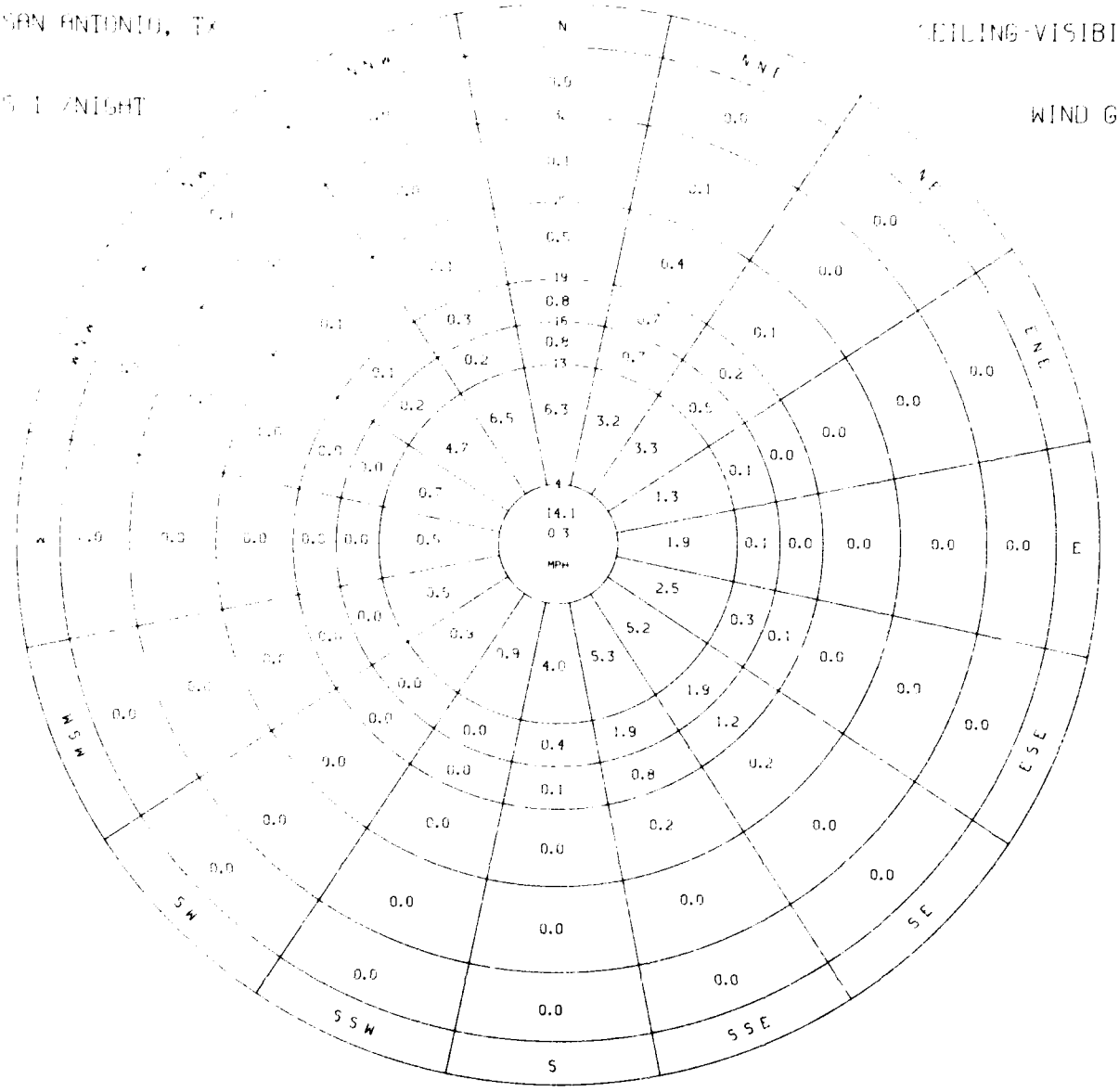
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.6	.7	2.8	3.3	1.2	1.4	1.1	1.4	.7	.8	.1	.2	.0	.0	6.6	7.8	12.1
NNE	.3	.4	2.2	2.6	1.1	1.3	.9	1.1	.6	.7	.1	.1	.0	.0	5.3	6.2	12.7
NE	.4	.5	3.0	3.5	.8	1.0	.6	.7	.2	.2	.0	.0	.0	.0	5.0	5.9	10.4
ENE	.2	.3	2.4	2.8	.6	.7	.3	.3	.1	.1	.0	.0	.0	.0	3.6	4.2	9.9
E	.4	.5	3.7	4.3	.7	.9	.3	.3	.0	.0	.0	.0	.0	.0	5.1	6.0	9.3
ESE	.2	.3	3.5	4.2	1.0	1.1	.4	.5	.1	.1	.0	.0	.0	.0	5.3	6.2	10.2
SE	.5	.6	5.9	6.9	2.3	2.7	1.5	1.8	.4	.5	.0	.0	.0	.0	10.7	12.6	11.3
SSE	.3	.4	6.5	7.6	2.9	3.4	1.9	2.2	.5	.5	.0	.0	.0	.0	12.0	14.2	11.8
S	.6	.8	7.3	8.6	2.4	2.8	1.1	1.3	.2	.2	.0	.0	.0	.0	11.6	13.7	10.4
SSW	.2	.3	3.2	3.8	.9	1.0	.3	.4	.0	.0	.0	.0	.0	.0	4.7	5.5	10.0
SW	.3	.4	2.8	3.3	.5	.6	.2	.2	.0	.0	.0	.0	.0	.0	3.9	4.6	9.2
WSW	.1	.2	1.1	1.3	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	1.6	1.8	9.2
W	.2	.2	.9	1.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	1.4	1.6	8.7
WNW	.1	.2	.5	.6	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.0	1.2	10.5
NW	.4	.4	1.3	1.5	.3	.3	.3	.3	.2	.2	.0	.0	.0	.0	2.4	2.8	10.0
NNW	.4	.5	1.7	2.0	.4	.5	.5	.6	.3	.4	.1	.1	.0	.0	3.4	4.0	10.9
CALM	1.3	1.5													1.3	1.5	
TOTAL	6.9	8.2	48.7	57.5	15.5	18.2	9.6	11.3	3.5	4.2	.5	.6	.0	.0	84.8	100	10.6

SHT SAN ANTONIO, TX

CEILING-VISIBILITY

CLASS I (NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: [illegible]

NO. OBS.: 28883

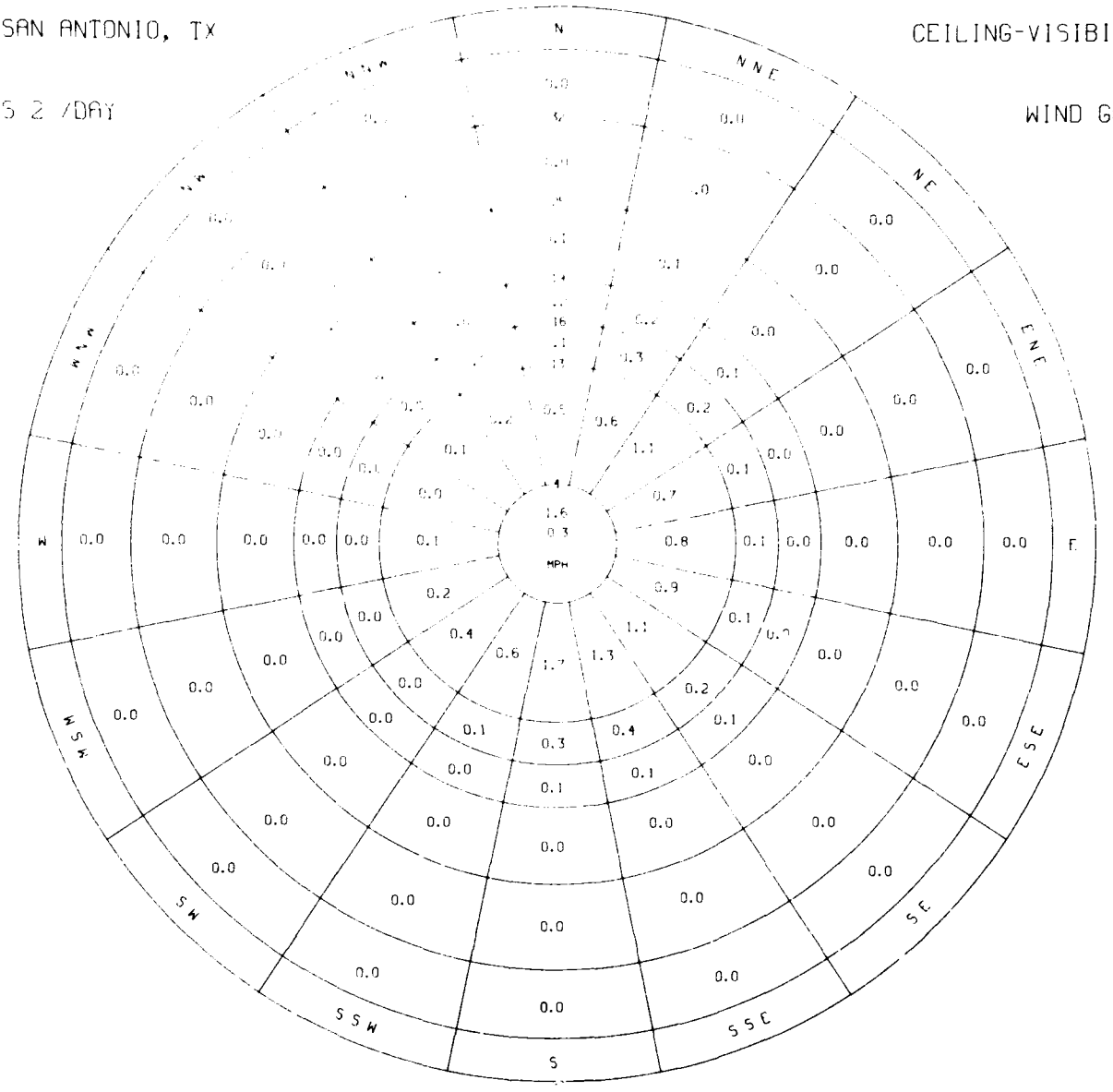
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	1.9	2.6	6.3	8.3	.8	1.1	.8	1.0	.5	.6	.1	.2	.0	.0	10.4	13.8	8.4
N N E	.7	1.0	3.2	4.3	.7	1.0	.7	.9	.4	.5	.1	.1	.0	.0	5.8	7.7	10.0
N E	.8	1.0	3.3	4.3	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.9	6.4	8.2
E N E	.3	.4	1.3	1.8	.1	.2	.0	.1	.0	.0	.0	.0	.0	.0	1.9	2.5	7.4
E	.6	.8	1.9	2.5	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	2.6	3.5	6.7
E S E	.4	.5	2.5	3.3	.3	.4	.1	.1	.0	.0	.0	.0	.0	.0	3.3	4.4	8.3
S E	.7	1.0	5.2	6.9	1.9	2.5	1.2	1.5	.2	.3	.0	.0	.0	.0	9.2	12.2	10.7
S S E	.5	.7	5.3	7.1	1.9	2.5	.8	1.1	.2	.2	.0	.0	.0	.0	8.7	11.5	10.5
S	.8	1.1	4.0	5.3	.4	.6	.1	.1	.0	.0	.0	.0	.0	.0	5.3	7.1	7.7
S S W	.3	.4	.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.7	6.0
S W	.4	.6	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.7	5.2
W S W	.2	.2	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.9	6.0
W	.3	.4	.5	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.2	5.7
W N W	.2	.3	.7	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	6.7
N W	1.2	1.6	4.7	6.3	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	6.3	8.4	6.8
N N W	1.5	2.0	6.5	8.6	.2	.3	.3	.3	.1	.2	.0	.1	.0	.0	8.7	11.5	6.9
C A L M	3.2	4.2													3.2	4.2	
T O T A L	14.1	18.7	47.7	63.3	7.3	9.6	4.3	5.8	1.6	2.1	.3	.4	.0	.0	75.4	100	8.1

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 12921

NO. OBS.: 7511

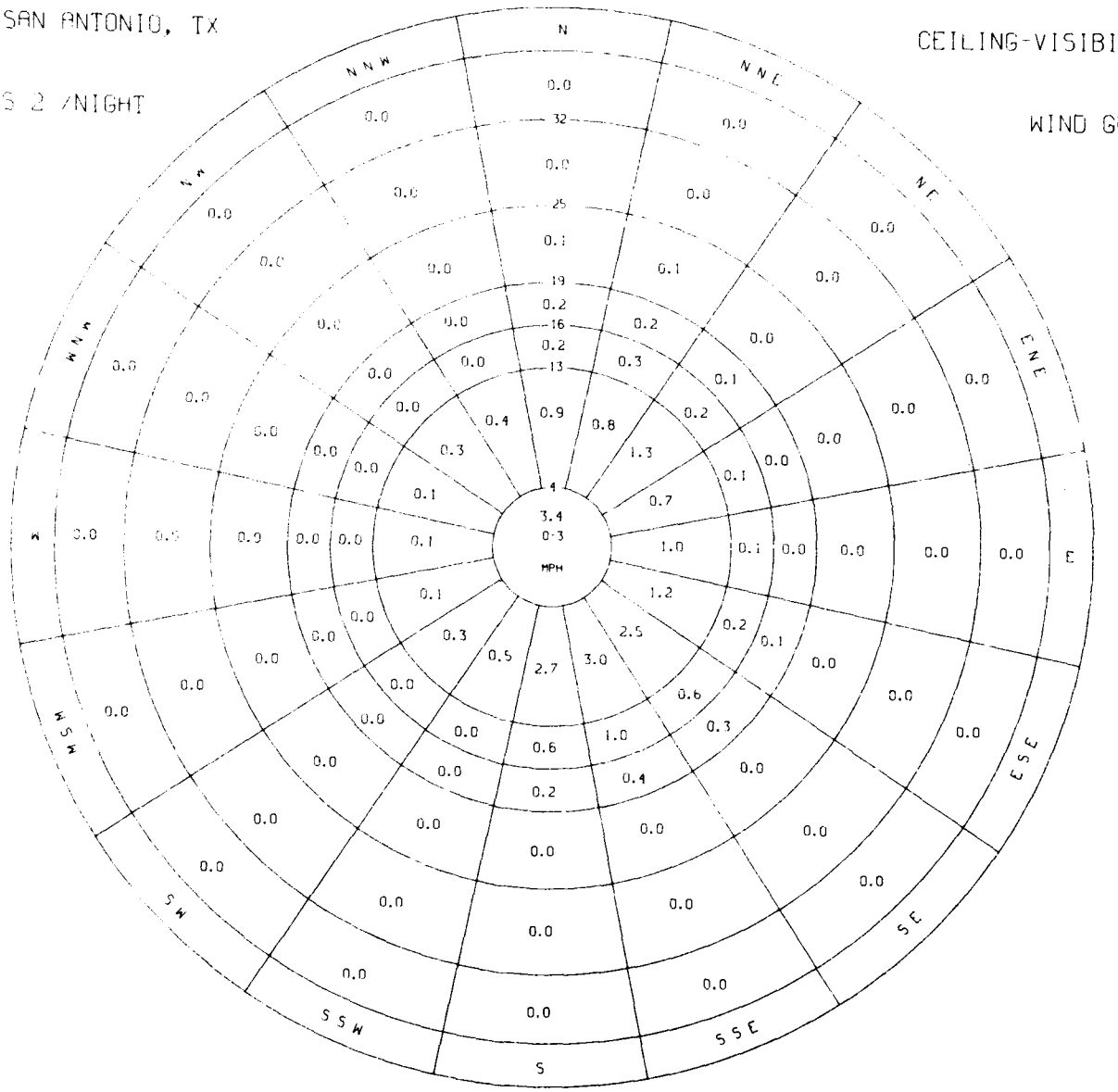
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.1	.7	.5	3.0	.1	1.0	.2	1.1	.1	.7	.0	.1	.0	.0	1.0	6.5	11.8
NNE	.1	.5	.6	3.9	.3	1.7	.2	1.4	.1	.7	.0	.1	.0	.0	1.3	8.4	11.9
NE	.1	.8	1.1	7.1	.2	1.4	.1	.9	.0	.2	.0	.0	.0	.0	1.6	10.4	9.9
ENE	.1	.6	.7	4.8	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	1.0	6.4	8.6
E	.1	.7	.8	5.6	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	1.1	6.9	7.9
ESE	.1	.4	.9	5.6	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	1.1	7.1	8.6
SE	.1	.8	1.1	7.4	.2	1.6	.1	.6	.0	.1	.0	.0	.0	.0	1.6	10.5	9.3
SSE	.1	.6	1.3	8.8	.4	2.4	.1	.7	.0	.1	.0	.0	.0	.0	1.9	12.5	10.0
S	.1	.6	1.7	11.0	.3	2.3	.1	.5	.0	.0	.0	.0	.0	.0	2.2	14.5	9.6
SSW	.1	.3	.6	3.8	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.7	4.8	8.8
SW	.1	.4	.4	2.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.5	3.3	7.9
WSW	.0	.2	.2	1.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.4	8.0
W	.0	.2	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.1	6.7
WNW	.0	.1	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	9.2
NW	.0	.3	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.1	7.8
NNW	.0	.3	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	1.9	9.1
CALM	.4	2.6													.4	2.6	
TOTAL	1.6	10.2	10.3	67.4	2.1	13.5	1.0	6.4	.3	2.1	.1	.3	.0	.0	15.2	100	9.3

SAT SAN ANTONIO, TX

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 12921

NO. OBS.: 9432

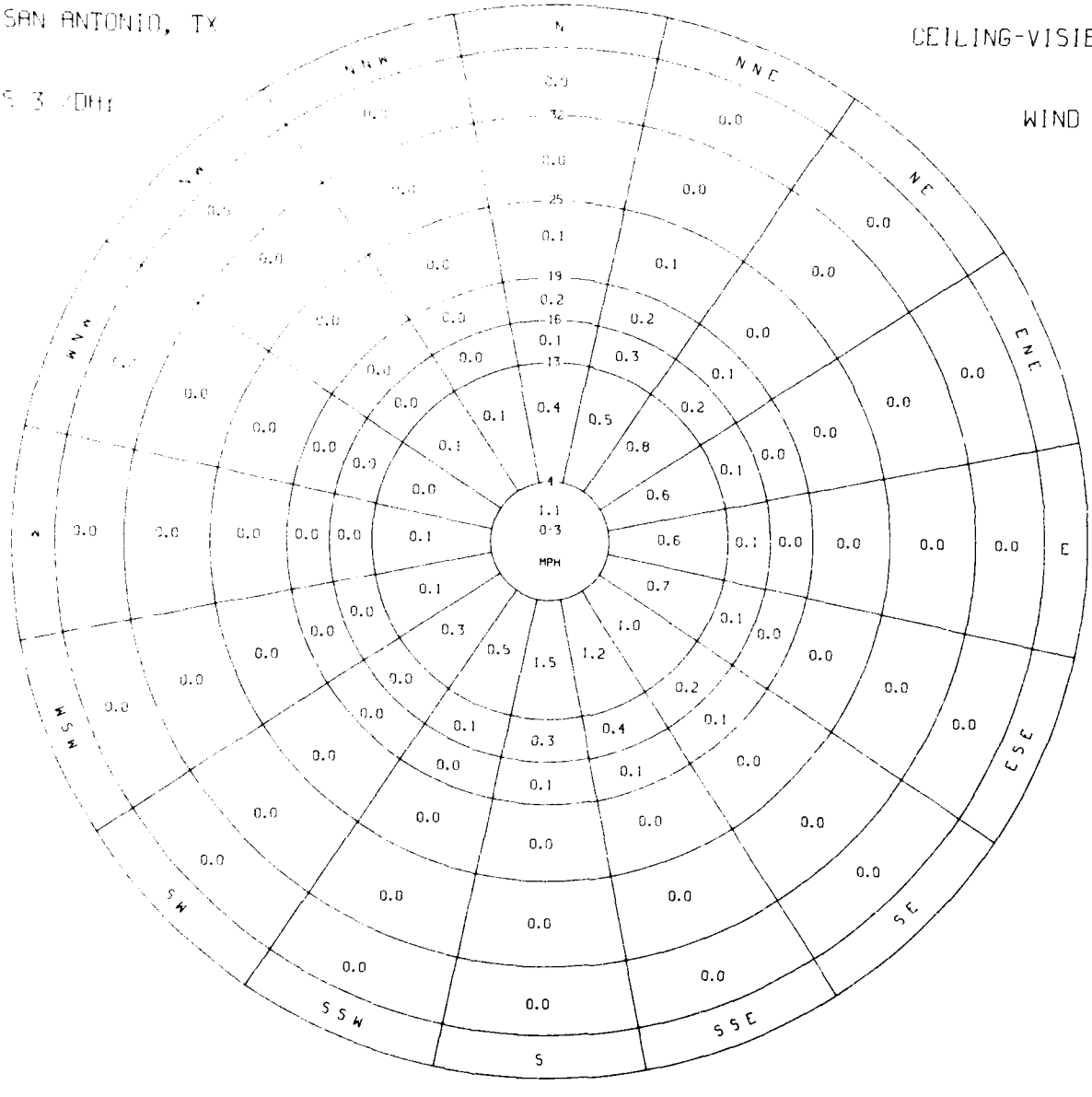
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	1.0	.9	3.6	.2	.9	.2	.7	.1	.5	.0	.0	.0	.0	1.7	6.8	10.0
NNE	.2	.8	.8	3.4	.3	1.2	.2	.8	.1	.4	.0	.1	.0	.0	1.6	6.6	10.7
NE	.3	1.1	1.3	5.4	.2	.9	.1	.5	.0	.2	.0	.0	.0	.0	2.0	8.1	8.9
ENE	.1	.5	.7	2.8	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	1.0	3.9	8.3
E	.2	1.0	1.0	4.0	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.3	5.4	7.3
ESE	.2	.6	1.2	4.8	.2	.9	.1	.3	.0	.0	.0	.0	.0	.0	1.6	6.6	8.7
SE	.3	1.3	2.5	10.1	.6	2.4	.3	1.1	.0	.1	.0	.0	.0	.0	3.7	15.0	9.8
SSE	.2	.7	3.0	12.1	1.0	4.1	.4	1.5	.0	.2	.0	.0	.0	.0	4.6	18.5	10.6
S	.2	.9	2.7	10.8	.6	2.5	.2	.7	.0	.0	.0	.0	.0	.0	3.7	14.9	9.5
SSW	.1	.2	.5	2.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	2.4	7.9
SW	.1	.4	.3	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.9	6.4
WSW	.0	.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	6.3
W	.0	.2	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.8	7.2
WNW	.0	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	6.8
NW	.1	.5	.3	1.1	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	1.7	6.7
NNW	.1	.5	.4	1.5	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.6	2.3	7.4
CALM	.9	3.6													.9	3.6	
TOTAL	3.4	13.7	15.8	64.2	3.5	14.2	1.5	6.1	.4	1.6	.1	.3	.0	.0	24.6	100	9.0

SAT SAN ANTONIO, TX

CLASS 3 (OMI)

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-19

CLASS 3 / DAY

STATION NUMBER: 12921

NO. OBS.: 63

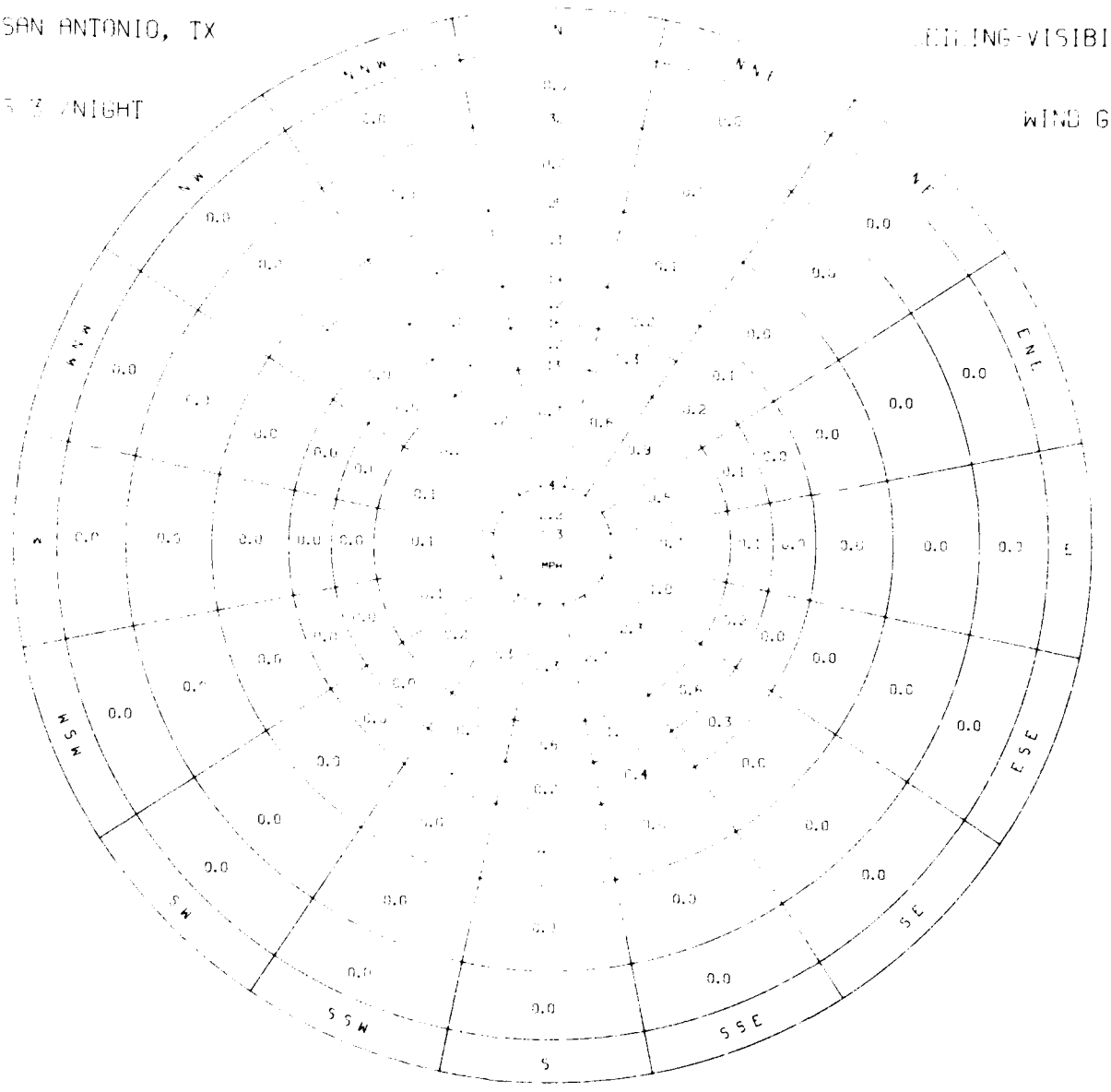
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-.8		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.4	3.0	.1	1.1	.2	1.3	.1	.7	.0	.1	.0	.0	.9	6.7	12.2
N N E	.1	.5	.5	3.7	.3	1.9	.2	1.6	.1	.9	.0	.1	.0	.0	1.1	8.7	12.4
N E	.1	.6	.8	6.2	.2	1.4	.1	.9	.0	.3	.0	.0	.0	.0	1.2	9.5	10.2
E N E	.1	.5	.6	4.4	.1	.7	.0	.3	.0	.1	.0	.0	.0	.0	.8	5.9	9.0
E	.1	.6	.6	5.0	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.8	6.2	8.0
E S E	.0	.3	.7	5.0	.1	.8	.0	.2	.0	.0	.0	.0	.0	.0	.8	6.3	8.7
S E	.1	.8	1.0	7.8	.2	1.7	.1	.7	.0	.0	.0	.0	.0	.0	1.4	11.1	9.4
S S E	.1	.6	1.2	9.6	.4	2.7	.1	.8	.0	.1	.0	.0	.0	.0	1.8	13.8	10.1
S	.1	.5	1.5	12.0	.3	2.6	.1	.6	.0	.0	.0	.0	.0	.0	2.0	15.8	9.8
S S W	.0	.3	.5	3.8	.1	.6	.0	.2	.0	.0	.0	.0	.0	.0	.6	4.9	9.1
S W	.0	.3	.3	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0	8.2
W S W	.0	.1	.1	1.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.3	8.3
W	.0	.2	.1	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.1	7.0
W N W	.0	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	9.3
N W	.0	.3	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	1.1	7.2
N N W	.0	.3	.1	1.1	.0	.3	.0	.1	.0	.2	.0	.0	.0	.0	.2	1.9	9.4
C A L M	.3	2.1													.3	2.1	
T O T A L	1.1	8.7	8.6	66.7	1.9	14.8	.9	7.0	.3	2.3	.0	.3	.0	.0	12.9	100	9.6

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-197

CLASS 3 / NIGHT

STATION NUMBER: 12921

NO. OBS.: 773

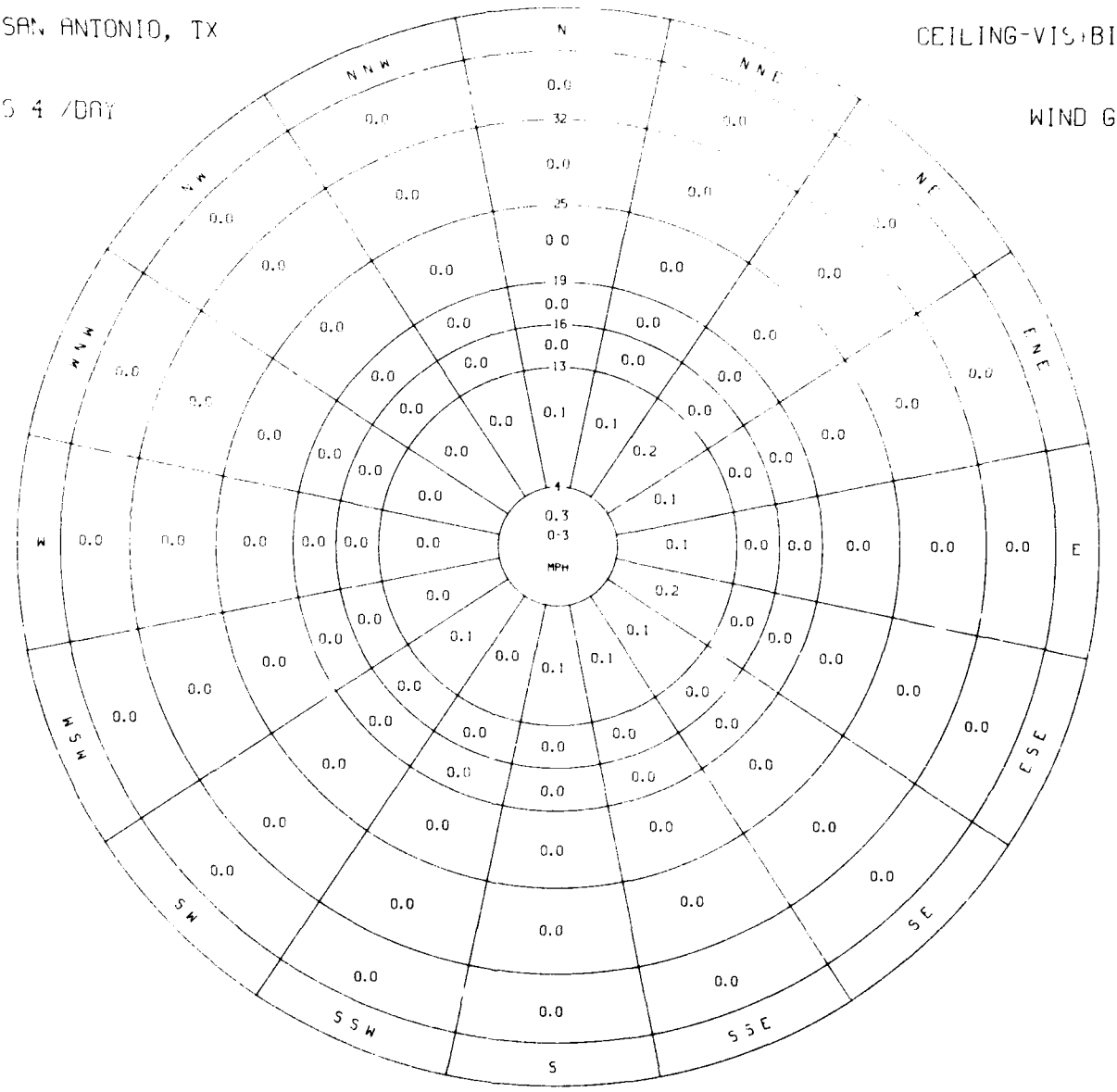
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.2	.8	.7	3.4	.2	1.0	.2	.9	.1	.6	.0	.1	.0	.0	1.4	6.7	10.9
N N E	.1	.3	.6	3.2	.3	1.4	.2	.9	.1	.5	.0	.1	.0	.0	1.4	6.8	11.4
N E	.2	.8	.9	4.6	.2	.9	.1	.5	.0	.2	.0	.0	.0	.0	1.4	7.0	9.5
E N E	.1	.5	.5	2.3	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	.7	3.3	8.3
E	.2	.9	.7	3.6	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	1.0	4.8	7.4
E S E	.1	.6	1.0	4.8	.2	.9	.0	.2	.0	.1	.0	.0	.0	.0	1.3	6.6	8.8
S E	.2	1.2	2.3	11.2	.6	2.9	.3	1.3	.0	.2	.0	.0	.0	.0	3.4	16.8	9.9
S S E	.1	.7	2.7	13.6	1.0	5.0	.4	1.7	.0	.2	.0	.0	.0	.0	4.3	21.3	10.8
S	.2	.9	2.3	11.6	.6	2.9	.2	.8	.0	.0	.0	.0	.0	.0	3.3	16.2	9.8
S S W	.0	.2	.3	1.6	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	2.0	8.1
S W	.1	.4	.2	.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.3	8.3
W S W	.0	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	7.0
W	.0	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	8.1
W N W	.0	.1	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	7.5
N W	.1	.3	.2	.8	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	1.3	7.2
N N W	.1	.3	.2	1.2	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.4	1.9	8.4
C A L M	.4	2.2													.4	2.2	
T O T A L	2.2	10.9	12.9	63.8	3.3	16.3	1.4	7.0	.4	1.9	.1	.3	.0	.0	20.2	100	9.6

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 12921

NO. OBS.: 821

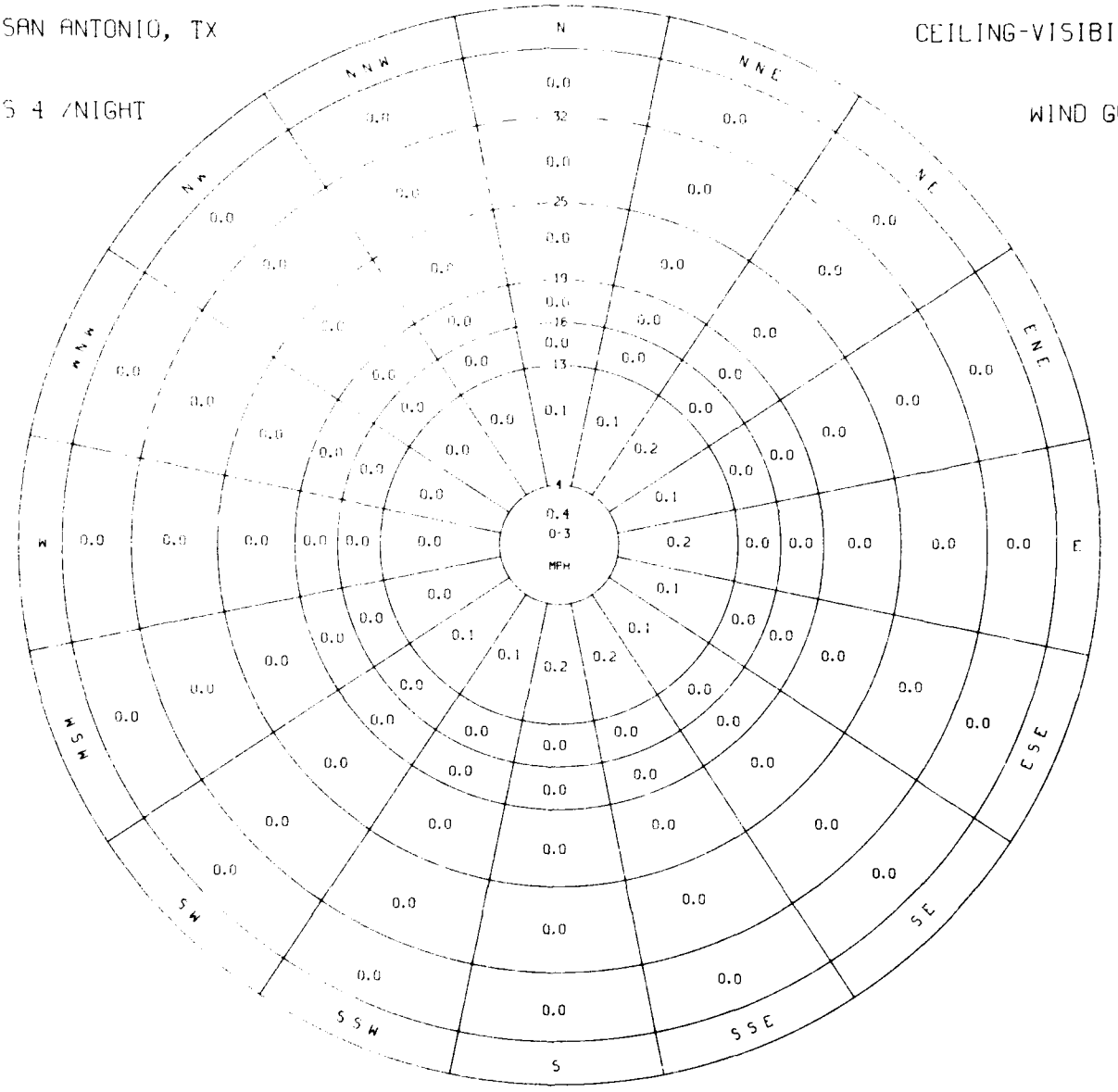
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	1.1	.1	3.5	.0	.1	.0	.1	.0	.6	.0	.1	.0	.1	.1	5.7	9.4
NNE	.0	.4	.1	5.5	.0	.7	.0	.2	.0	.0	.0	.1	.0	.0	.1	6.9	8.7
NE	.0	1.0	.2	12.2	.0	1.7	.0	1.3	.0	.0	.0	.0	.0	.0	.3	16.2	9.0
ENE	.0	1.3	.1	7.3	.0	.7	.0	.5	.0	.1	.0	.0	.0	.0	.2	10.0	8.4
E	.0	1.0	.1	8.5	.0	.6	.0	.1	.0	.0	.0	.0	.0	.0	.2	10.2	7.9
ESE	.0	.7	.2	9.4	.0	1.3	.0	.5	.0	.1	.0	.0	.0	.0	.2	12.1	8.5
SE	.0	.9	.1	5.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	8.2
SSE	.0	.5	.1	5.0	.0	.7	.0	.1	.0	.0	.0	.0	.0	.0	.1	6.3	8.7
S	.0	1.3	.1	5.2	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.1	7.2	7.8
SSW	.0	.5	.0	2.9	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.5	7.8
SW	.0	1.0	.1	3.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.3	6.6
WSW	.0	.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	7.1
W	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	6.2
WNW	.0	.0	.0	.4	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	9.5
NW	.0	.2	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.3	8.6
NNW	.0	.1	.0	1.2	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	1.6	8.9
CALM	.1	4.9													.1	4.9	
TOTAL	.1	15.3	1.2	72.2	.1	7.7	.1	3.3	.0	.9	.0	.5	.0	.1	1.7	100	8.0

SAT SAN ANTONIO, TX

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 12921

NO. OBS.: 876

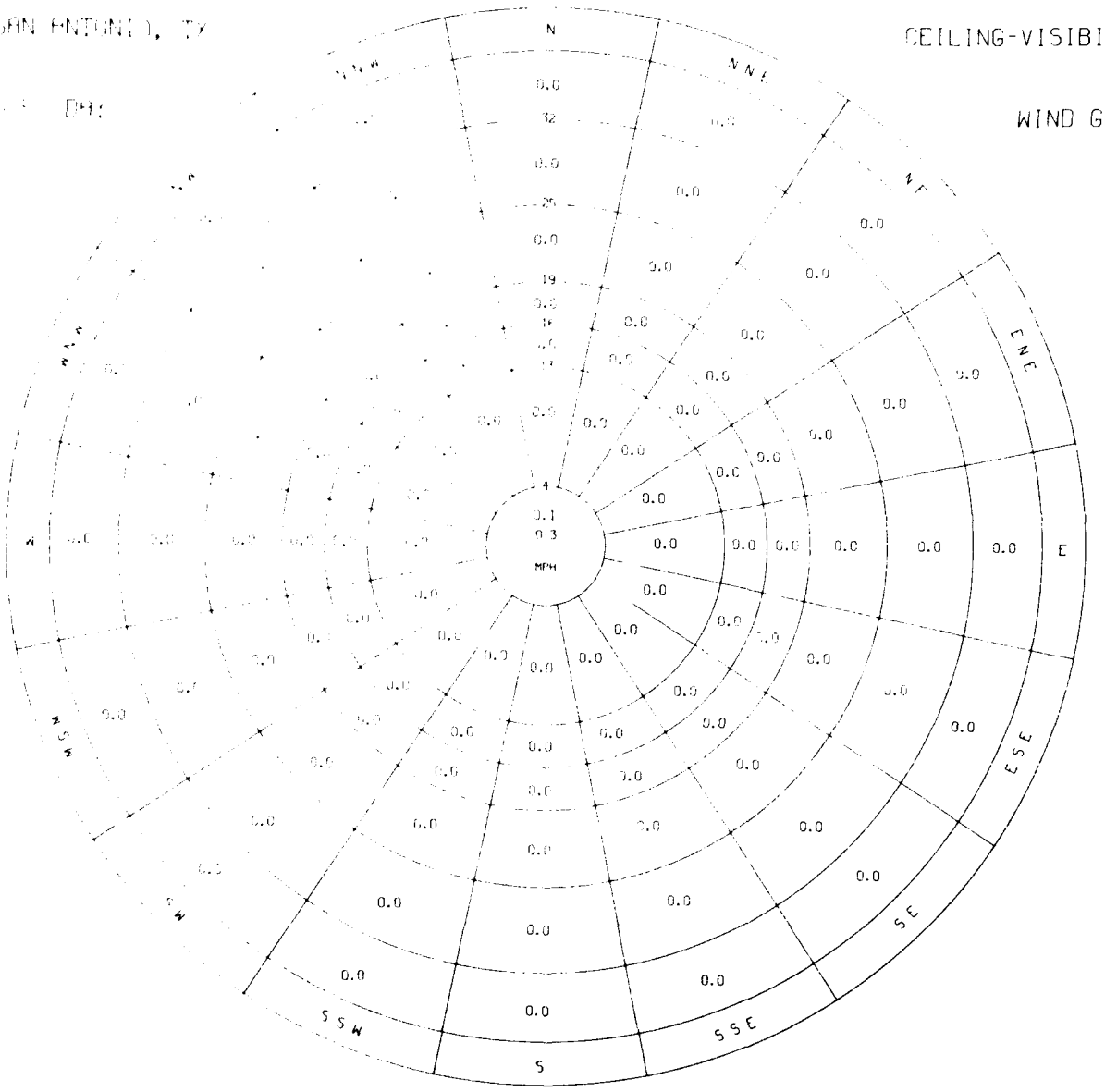
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	1.1	.1	3.4	.0	.7	.0	.2	.0	.0	.0	.0	.0	.0	.1	5.5	7.7
NNE	.0	.8	.1	5.1	.0	.9	.0	.3	.0	.0	.0	.0	.0	.0	.2	7.2	8.3
NE	.0	1.6	.2	9.0	.0	1.5	.0	.9	.0	.1	.0	.1	.0	.0	.3	13.2	9.0
ENE	.0	.2	.1	5.7	.0	.9	.0	.1	.0	.0	.0	.0	.0	.0	.2	7.0	9.1
E	.0	1.3	.2	7.3	.0	.6	.0	.2	.0	.1	.0	.0	.0	.0	.2	9.5	7.7
ESE	.0	.3	.1	6.4	.0	.9	.0	.7	.0	.0	.0	.0	.0	.0	.2	8.3	9.2
SE	.0	1.4	.1	5.9	.0	.7	.0	.3	.0	.1	.0	.0	.0	.0	.2	8.4	8.4
SSE	.0	.2	.2	6.8	.0	.2	.0	.2	.0	.0	.0	.1	.0	.0	.2	7.6	8.5
S	.0	1.1	.2	7.6	.0	.8	.0	.1	.0	.0	.0	.0	.0	.0	.2	9.7	7.9
SSW	.0	.6	.1	3.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.0	7.6
SW	.0	.8	.1	3.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	4.0	6.5
WSW	.0	.8	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.4
W	.0	.6	.0	.8	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	1.6	7.0
WNW	.0	.5	.0	1.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.7	6.0
NW	.0	.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	2.4	7.7
NNW	.0	1.0	.0	1.4	.0	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	2.6	5.8
CALM	.1	5.1													.1	5.1	
TOTAL	.4	17.9	1.6	70.1	.2	7.4	.1	3.4	.0	.6	.0	.5	.0	.1	2.3	100	7.7

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

[illegible] DH:

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 12921

NO. OBS.: 193

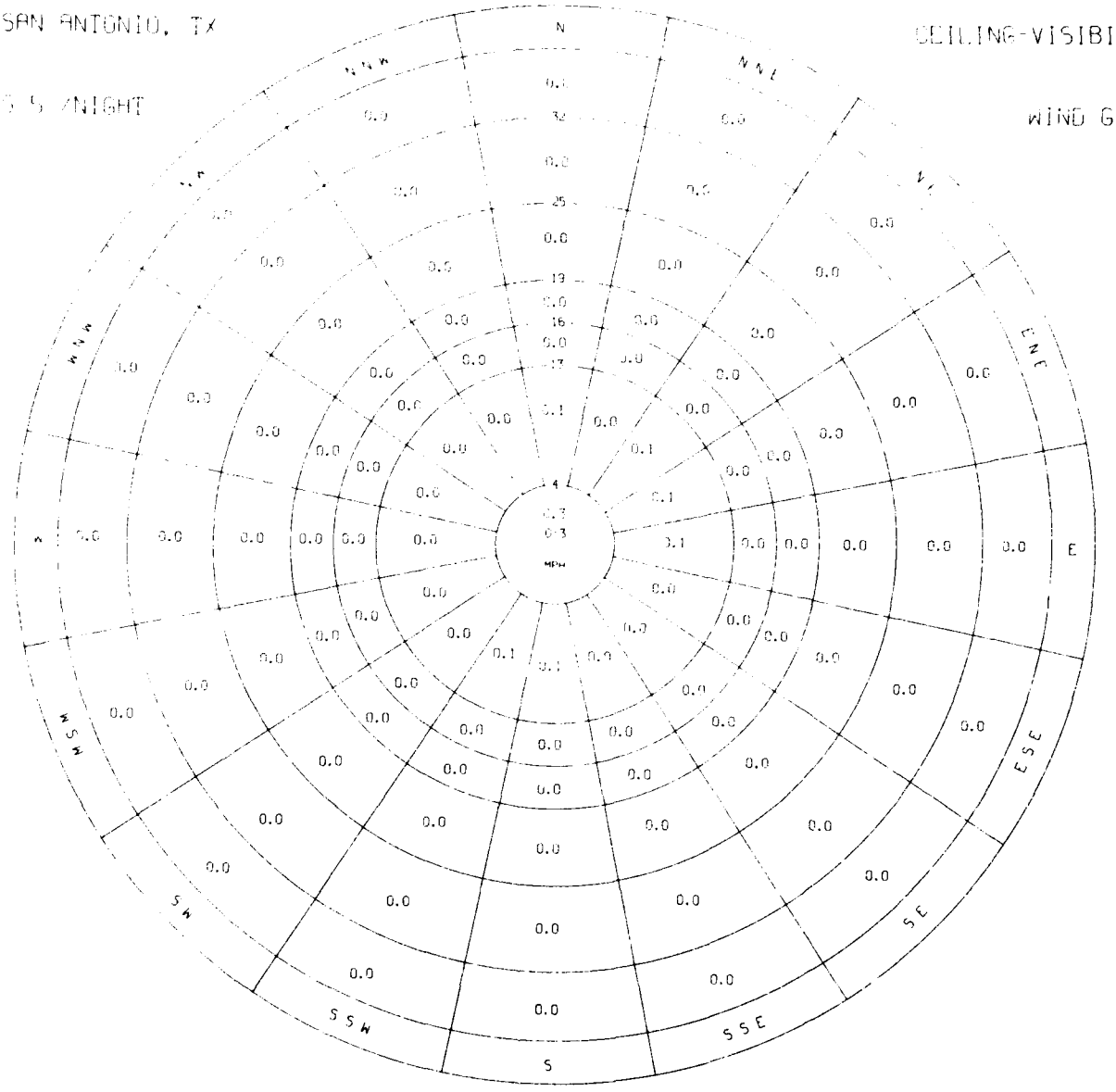
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	2.6	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	4.6
NNE	.0	1.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	6.4
NE	.0	3.1	.0	10.9	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.1	15.0	6.6
ENE	.0	.5	.0	7.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	6.7
E	.0	1.0	.0	9.8	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.9	7.7
ESE	.0	.5	.0	6.7	.0	1.6	.0	.5	.0	.5	.0	.0	.0	.0	.0	9.8	9.1
SE	.0	1.6	.0	5.2	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	7.8	7.2
SSE	.0	.5	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1	6.9
S	.0	.5	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	6.5
SSW	.0	1.6	.0	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	6.3
SW	.0	.5	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	7.2
WSW	.0	1.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	6.4
W	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.0
WNW	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	10.0
NW	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.0
NNW	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	7.2
CALM	.0	6.7													.0	6.7	
TOTAL	.1	22.8	.3	71.0	.0	3.6	.0	2.1	.0	.5	.0	.0	.0	.0	.4	100	6.5

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

[illegible] /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 12921

NO. OBS.: 388

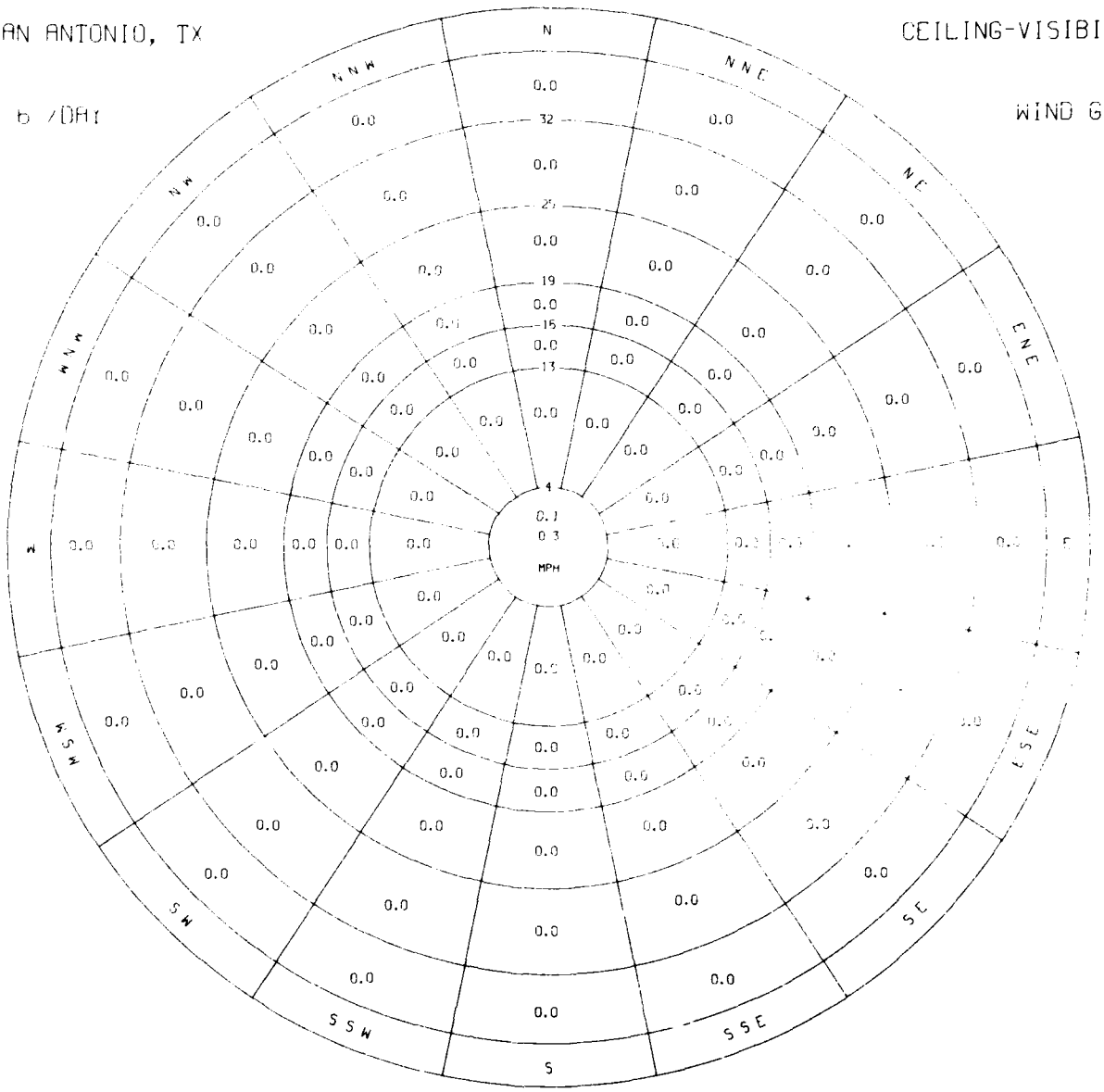
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	2.8	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	5.5
NNE	.0	1.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	5.8
NE	.0	1.8	.1	9.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.9	6.6
ENE	.0	1.3	.1	7.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	7.0
E	.0	1.3	.1	5.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.5	6.5
ESE	.0	1.5	.0	4.9	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.2	7.6
SE	.0	.8	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.4	7.7
SSE	.0	.5	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	7.2
S	.0	1.0	.1	6.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.7	6.8
SSW	.0	.0	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	7.6
SW	.0	.8	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.9
WSW	.0	.3	.0	2.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.6	7.3
W	.0	.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	4.6
WNW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	10.0
NW	.0	1.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	4.6
NNW	.0	1.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.1
CALM	.1	12.9													.1	12.9	
TOTAL	.3	28.6	.7	69.3	.0	1.8	.0	.3	.0	.0	.0	.0	.0	.0	1.0	100	5.8

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 12921

NO. OBS.: 128

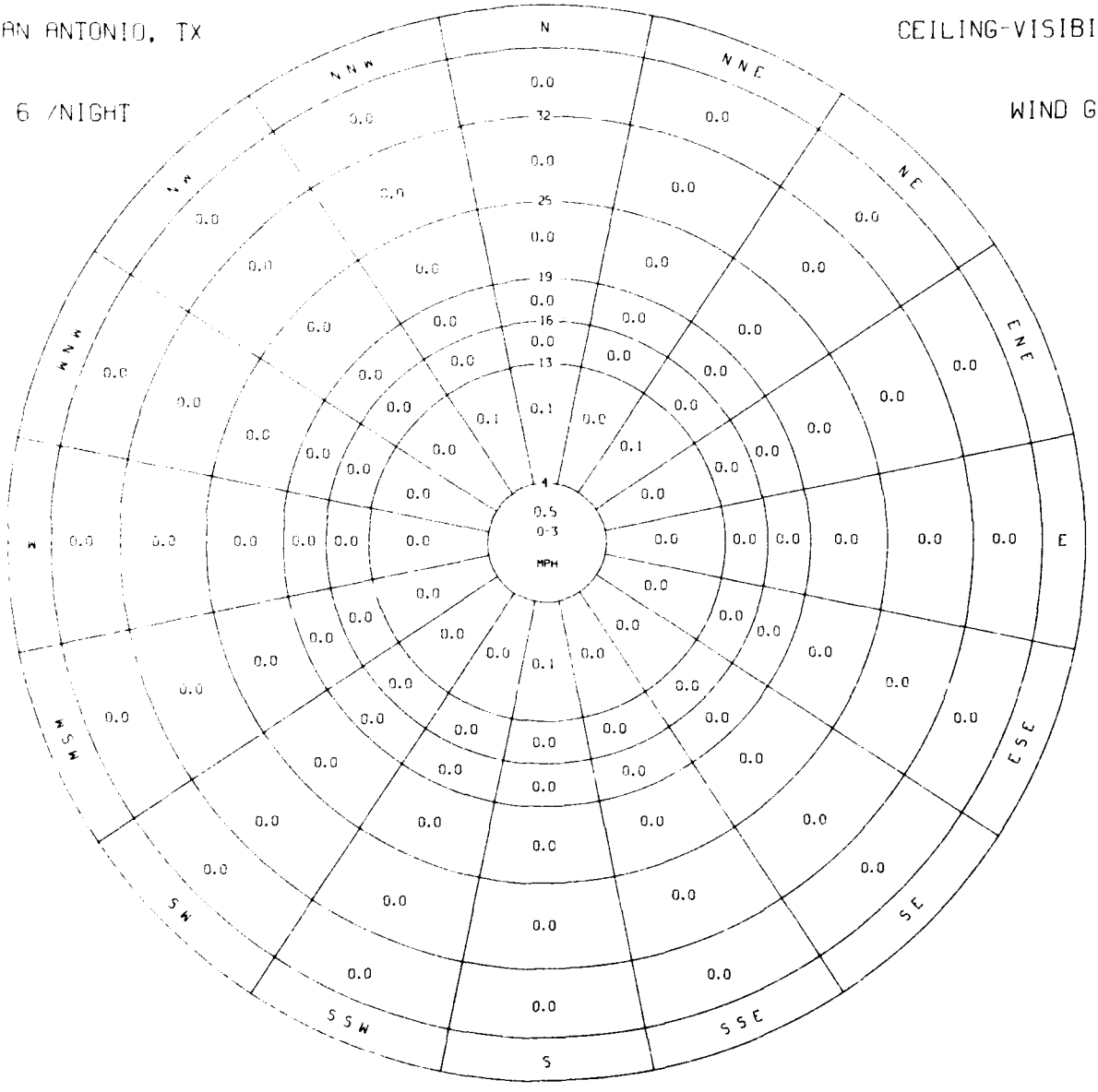
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	1.6	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	5.8
NNE	.0	2.3	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	4.8
NE	.0	3.1	.0	8.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	5.8
ENE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.2
E	.0	4.7	.0	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7	5.2
ESE	.0	2.3	.0	6.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.4	6.3
SE	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	7.0	8.6
SSE	.0	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	4.7
S	.0	1.6	.0	9.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	5.9
SSW	.0	.8	.0	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	6.7
SW	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	6.1
WSW	.0	.8	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	6.6
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.0
NW	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	.0	2.3	18.7
NNW	.0	1.6	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.6
CALM	.0	9.4													.0	9.4	
TOTAL	.1	32.0	.2	64.1	.0	2.3	.0	.0	.0	.8	.0	.0	.0	.8	.3	100	5.6

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SAT SAN ANTONIO, TX

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 12921

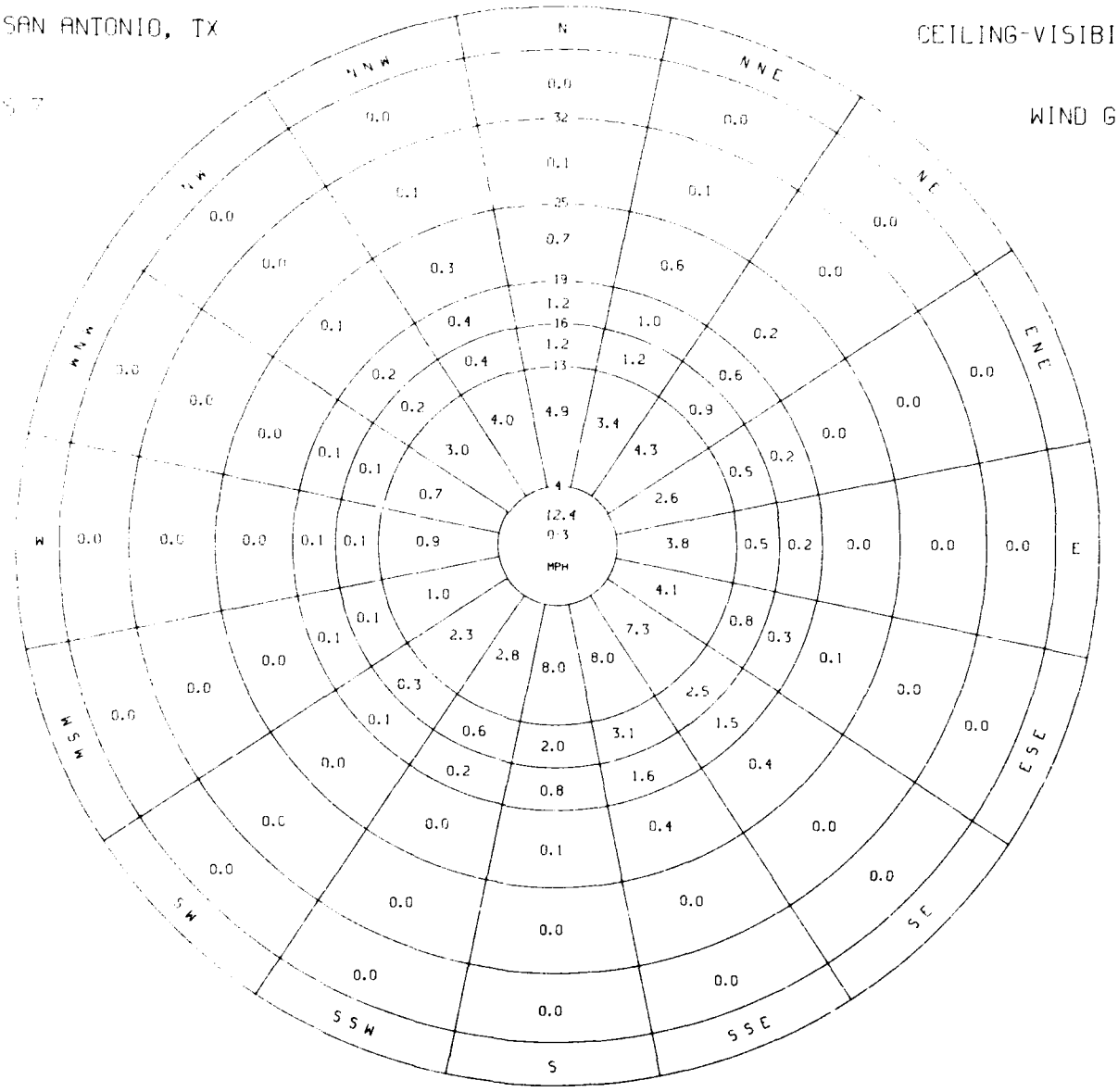
NO. OBS.: 435

DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	3.4	.1	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	4.5
NNE	.0	1.4	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.8
NE	.0	4.4	.1	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.4	5.6
ENE	.0	.7	.0	3.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	3.9	6.9
E	.0	2.3	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	5.2
ESE	.0	.7	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.8
SE	.0	2.1	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.5	5.9
SSE	.0	.9	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.2
S	.0	2.1	.1	6.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.5	5.7
SSW	.0	.2	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	6.7
SW	.0	.7	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	6.1
WSW	.0	1.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	4.4
W	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	4.2
WNW	.0	.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.1	5.2
NW	.0	2.8	.0	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	4.6
NNW	.0	1.8	.1	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.1	4.9
CALM	.2	17.7													.2	17.7	
TOTAL	.5	43.7	.6	55.9	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	1.1	100	4.4

SAT SAN ANTONIO, TX

CEILING-VISIBILITY

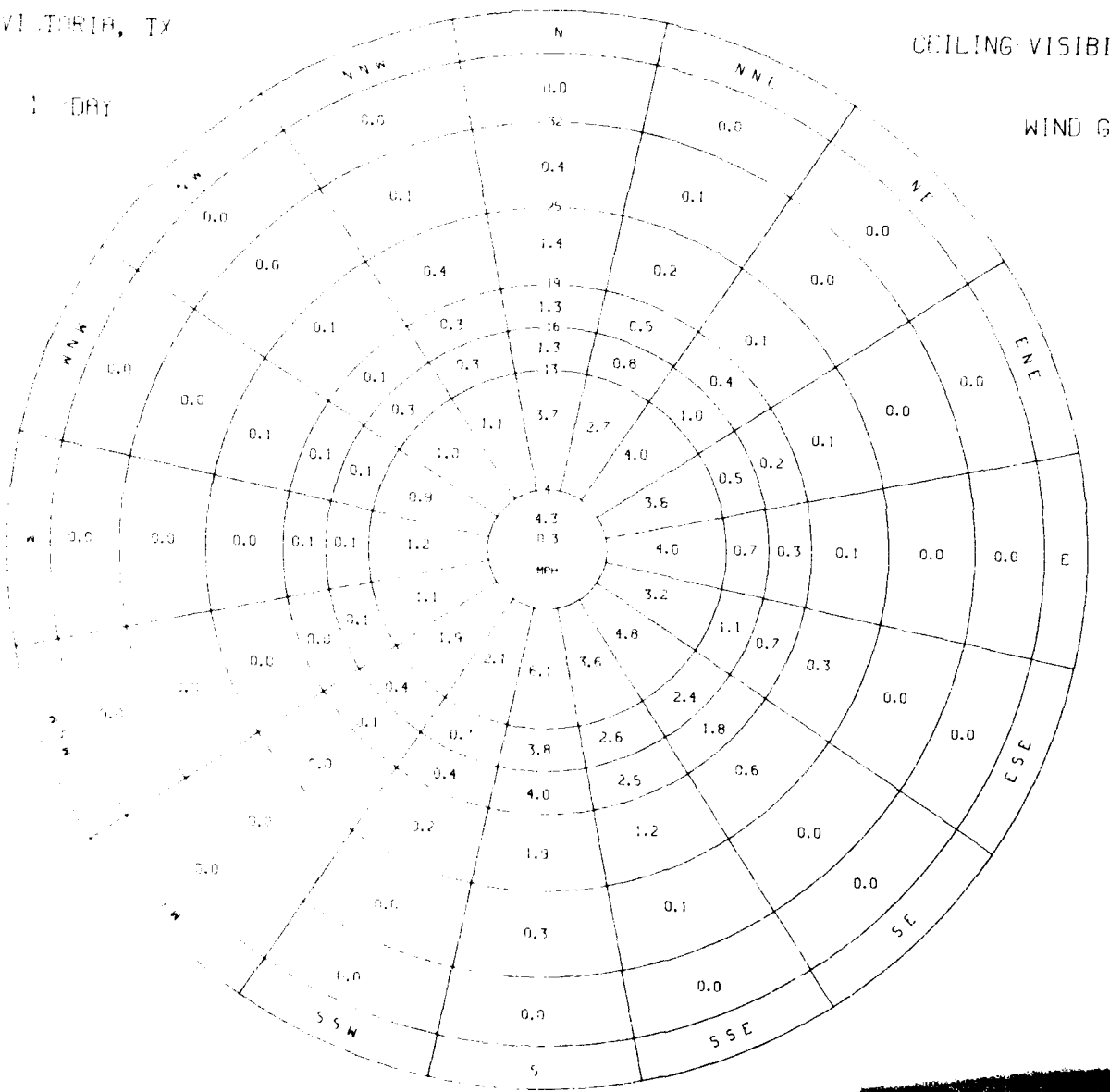
WIND GRAPH



VCT VICTORIA, TX

CEILING VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] PERIOD: 1965-1978

CLASS 1 / DAY

STATION NUMBER: [illegible] NO. OBS.: 19170

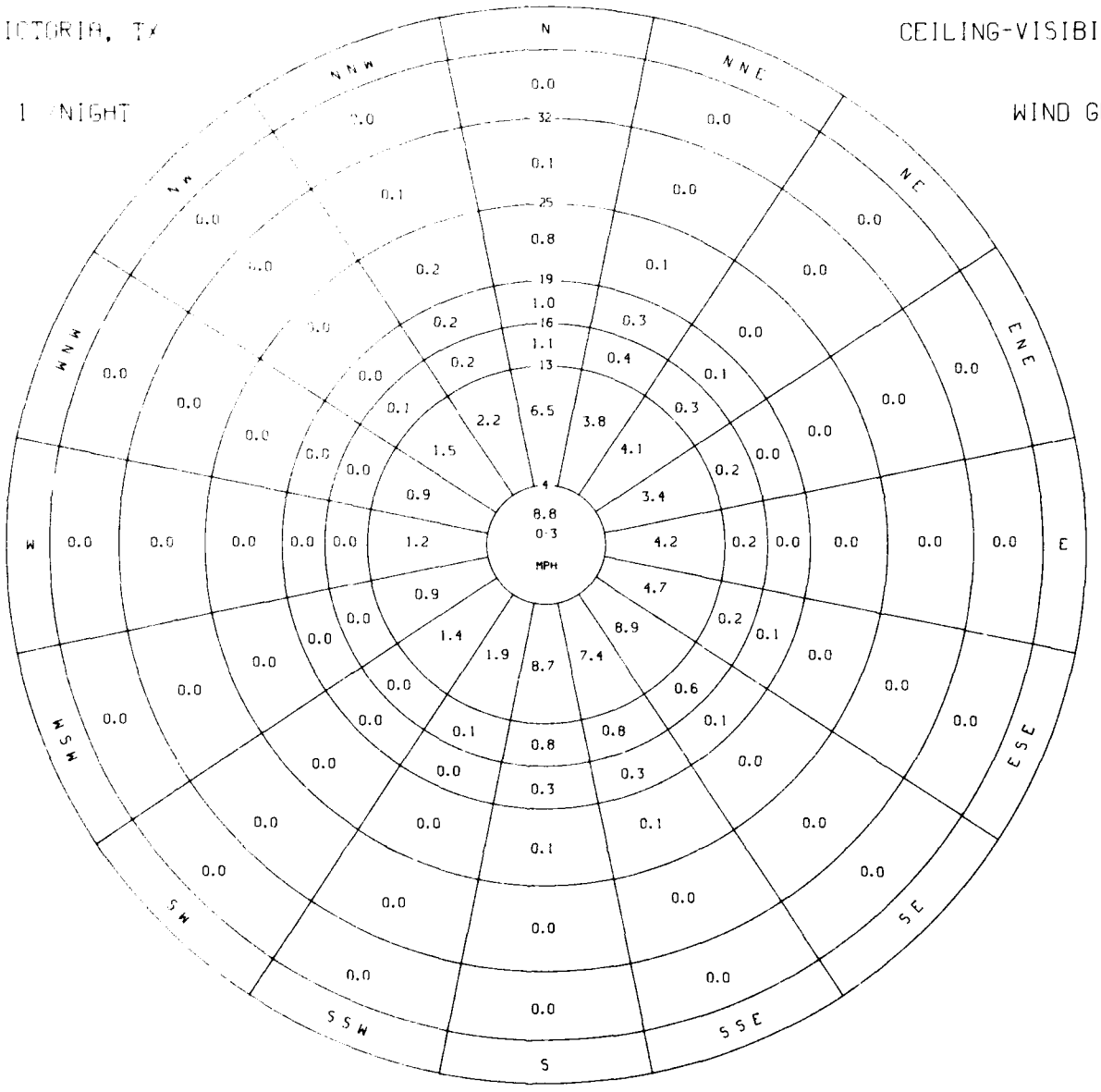
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.2	.3	3.7	4.4	1.3	1.5	1.3	1.5	1.4	1.6	.4	.5	.0	.0	8.4	9.7	13.5
NNE	.2	.2	2.7	3.1	.8	1.0	.5	.6	.2	.3	.1	.1	.0	.0	4.5	5.2	11.0
NE	.3	.3	4.0	4.6	1.0	1.1	.4	.5	.1	.2	.0	.0	.0	.0	5.8	6.7	9.7
ENE	.2	.3	3.6	4.1	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.7	5.4	9.2
E	.3	.3	4.0	4.7	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	5.4	6.2	9.4
ESE	.2	.2	3.2	3.8	1.1	1.3	.7	.8	.3	.3	.0	.0	.0	.0	5.5	6.3	11.0
SE	.1	.2	4.8	5.6	2.4	2.8	1.8	2.1	.6	.7	.0	.1	.0	.0	9.9	11.4	12.3
SSE	.1	.1	3.6	4.1	2.6	3.0	2.5	2.9	1.2	1.4	.1	.2	.0	.0	10.1	11.7	14.0
S	.2	.3	6.1	7.0	3.8	4.3	4.0	4.7	1.9	2.2	.3	.3	.0	.0	16.3	18.9	13.8
SSW	.1	.2	2.1	2.4	.7	.8	.4	.5	.2	.2	.0	.0	.0	.0	3.6	4.2	11.3
SW	.2	.2	1.9	2.2	.4	.4	.1	.2	.0	.0	.0	.0	.0	.0	2.5	2.9	9.1
WSW	.1	.1	1.1	1.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.6	8.3
W	.1	.1	1.2	1.3	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5	1.7	8.4
WNW	.1	.1	.9	1.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	1.3	1.5	9.2
NW	.1	.2	1.0	1.1	.3	.3	.1	.2	.1	.1	.0	.1	.0	.0	1.7	2.0	10.5
NNW	.1	.1	1.1	1.3	.3	.4	.3	.4	.4	.4	.1	.1	.0	.0	2.4	2.8	13.2
CALM	1.5	1.7													1.5	1.7	
TOTAL	4.4	5.0	45.1	52.1	16.2	18.7	13.0	15.0	6.7	7.8	1.2	1.4	.1	.1	86.5	100	11.7

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 1 NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VICTORIA, TX

PERIOD: 1965-1978

CLASS 1 / NIGHT

STATION NUMBER: 12912

NO. OBS.: 14879

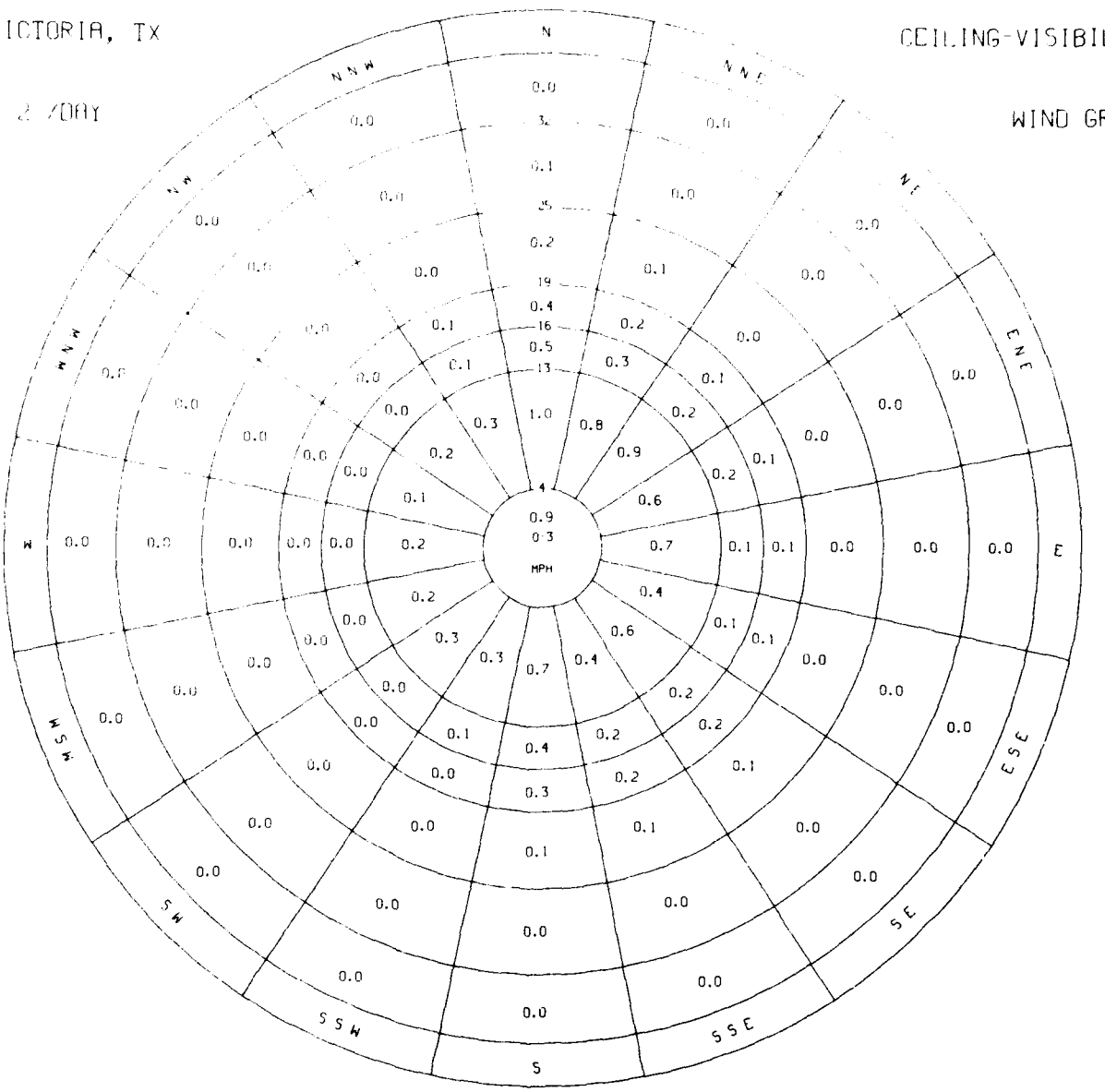
D I R	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.5	.7	6.5	8.2	1.1	1.4	1.0	1.2	.8	1.0	.1	.1	.0	.0	10.0	12.6	10.2
NNE	.4	.5	3.8	4.7	.4	.6	.3	.4	.1	.1	.0	.0	.0	.0	5.0	6.3	8.4
NE	.4	.6	4.1	5.2	.3	.4	.1	.2	.0	.0	.0	.0	.0	.0	5.0	6.3	7.3
ENE	.5	.6	3.4	4.3	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	4.2	5.2	6.7
E	.5	.7	4.2	5.3	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	5.0	6.4	6.9
ESE	.3	.4	4.7	6.0	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	5.3	6.6	7.2
SE	.3	.3	8.9	11.2	.6	.7	.1	.1	.0	.0	.0	.0	.0	.0	9.9	12.4	7.9
SSE	.2	.2	7.4	9.3	.8	.9	.3	.3	.1	.1	.0	.0	.0	.0	8.6	10.8	8.7
S	.4	.6	8.7	10.9	.8	1.0	.3	.4	.1	.1	.0	.0	.0	.0	10.3	13.0	8.4
SSW	.3	.3	1.9	2.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.3	2.9	6.[illegible]
SW	.2	.3	1.4	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	2.1	6.1
WSW	.1	.2	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.3	5.9
W	.2	.2	1.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.8	6.1
WNW	.2	.2	.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.4	6.3
NW	.2	.3	1.5	1.9	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.9	2.3	7.1
NNW	.2	.3	2.2	2.7	.2	.2	.2	.2	.2	.2	.1	.1	.0	.0	3.0	3.7	9.2
CALM	3.8	4.8													3.8	4.8	
TOTAL	8.8	11.1	61.6	77.6	4.9	6.2	2.5	3.2	1.3	1.6	.2	.3	.0	.0	79.4	100	7.7

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VCT VICTORIA, TX

PERIOD: 1965-1978

CLASS 2 / DAY

STATION NUMBER: 12912

NO. OBS.: 2990

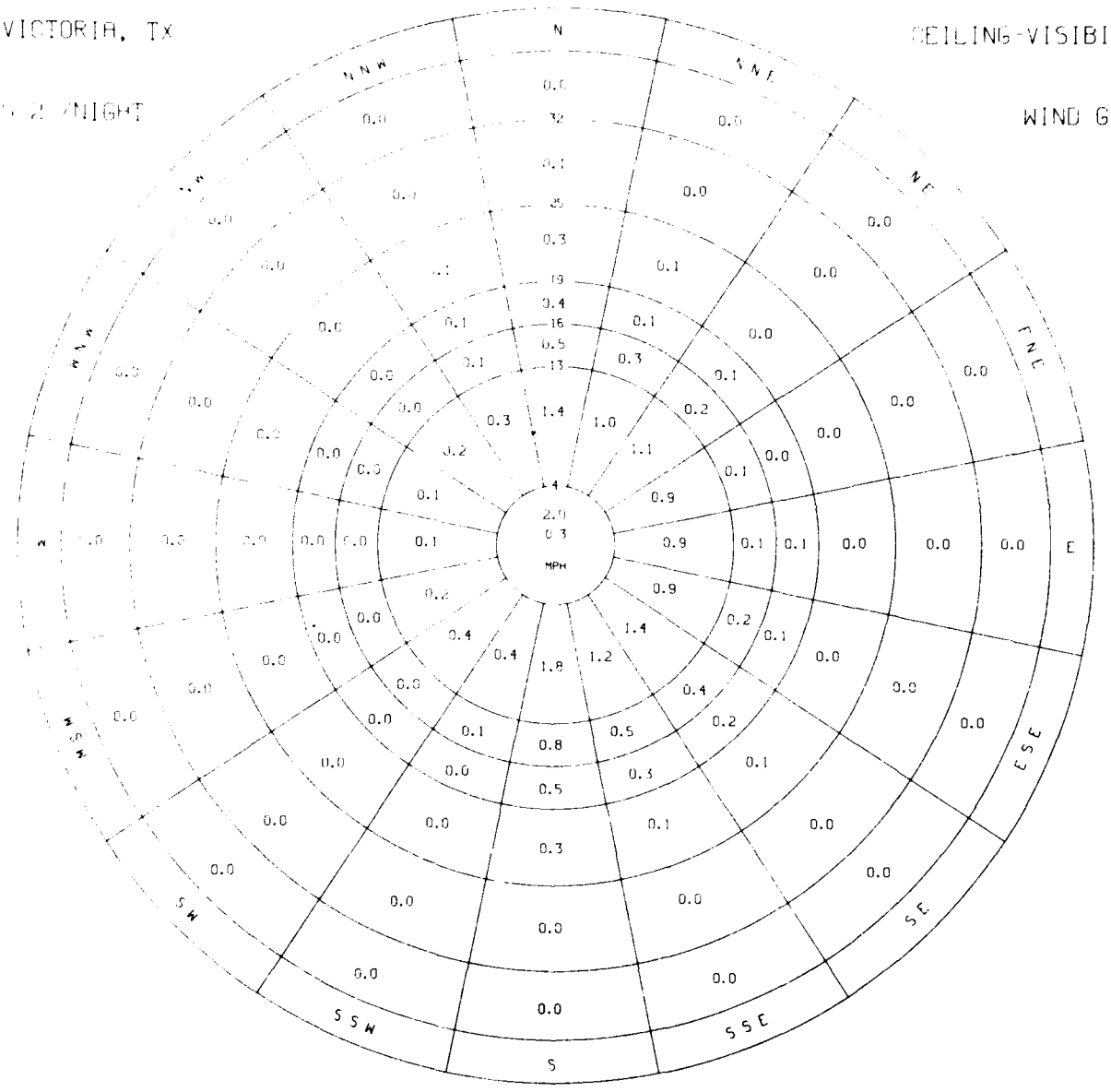
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.1	.6	1.0	7.5	.5	3.4	.4	2.9	.2	1.8	.1	.5	.0	.0	2.3	16.7	12.8
NNE	.1	.4	.8	6.3	.3	2.4	.2	1.3	.1	.5	.0	.1	.0	.0	1.5	11.1	11.2
NE	.1	.5	.9	6.7	.2	1.6	.1	1.0	.0	.2	.0	.1	.0	.0	1.4	10.1	9.9
ENE	.1	.4	.6	4.4	.2	1.2	.1	.6	.0	.1	.0	.0	.0	.0	.9	6.7	9.5
E	.1	.4	.7	4.9	.1	.7	.1	.4	.0	.2	.0	.0	.0	.0	.9	6.7	9.6
ESE	.0	.2	.4	2.7	.1	1.1	.1	.6	.0	.3	.0	.0	.0	.0	.7	4.9	11.8
SE	.0	.2	.6	4.1	.2	1.7	.2	1.3	.1	.8	.0	.1	.0	.0	1.1	8.1	12.3
SSE	.0	.1	.4	2.9	.2	1.7	.2	1.6	.1	.8	.0	.0	.0	.0	1.0	7.2	13.2
S	.0	.3	.7	5.2	.4	2.7	.3	1.9	.1	1.0	.0	.0	.0	.0	1.5	11.0	12.5
SSW	.0	.2	.3	2.2	.1	.5	.0	.3	.0	.0	.0	.0	.0	.0	.4	3.1	9.6
SW	.0	.1	.3	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.2	8.6
WSW	.0	.2	.2	1.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.5	7.5
W	.0	.3	.2	1.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.5	7.2
WNW	.0	.1	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	9.4
NW	.0	.2	.2	1.4	.0	.1	.0	.2	.0	.0	.0	.1	.0	.0	.3	2.0	9.7
NNW	.0	.1	.3	2.0	.1	.7	.1	.6	.0	.3	.0	.1	.0	.0	.5	3.8	12.3
CALM	.3	2.3													.3	2.3	
TOTAL	.9	6.6	7.4	55.2	2.4	18.0	1.7	12.8	.8	6.2	.2	1.2	.0	.1	13.5	100	11.0

VCT VICTORIA, Tx

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VCT VICTORIA, TX

PERIOD: 1965-1978

CLASS 2 / NIGHT

STATION NUMBER: 12912

NO. OBS.: 3864

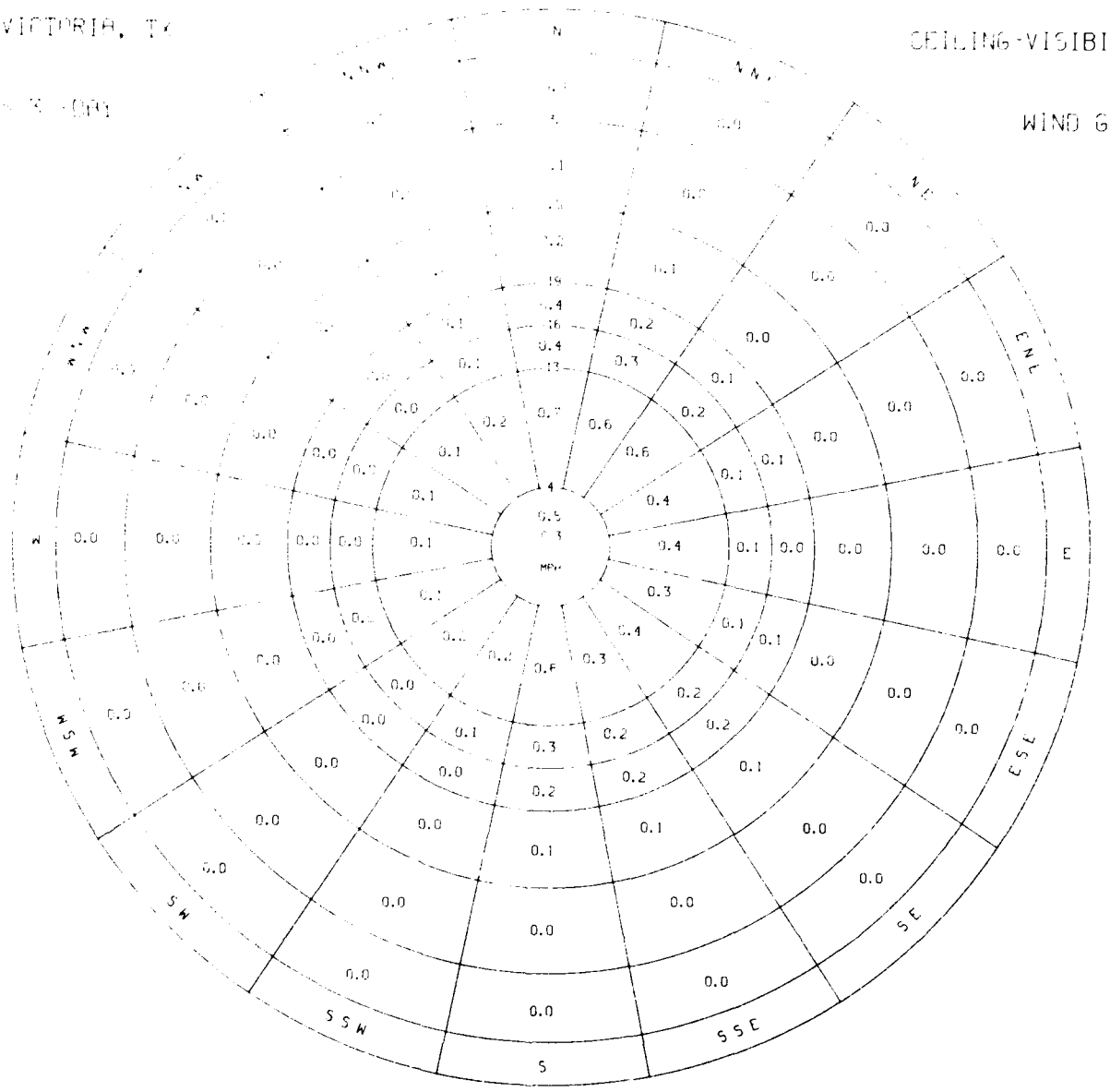
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.1	.4	1.4	6.6	.5	2.6	.4	2.1	.3	1.5	.1	.4	.0	.0	2.8	13.6	12.7
NNE	.1	.3	1.0	4.8	.3	1.3	.1	.5	.1	.3	.0	.0	.0	.0	1.5	7.3	10.2
NE	.1	.4	1.1	5.2	.2	1.0	.1	.3	.0	.1	.0	.0	.0	.0	1.5	7.0	8.7
ENE	.1	.6	.9	4.4	.1	.4	.0	.2	.0	.0	.0	.0	.0	.0	1.2	5.7	7.9
E	.1	.5	.9	4.2	.1	.4	.1	.3	.0	.1	.0	.0	.0	.0	1.1	5.5	8.3
ESE	.1	.6	.9	4.3	.2	.9	.1	.4	.0	.1	.0	.0	.0	.0	1.3	6.2	9.0
SE	.1	.4	1.4	6.6	.4	1.7	.2	1.0	.1	.3	.0	.0	.0	.0	2.1	10.1	10.4
SSE	.0	.1	1.2	5.9	.5	2.4	.3	1.6	.1	.7	.0	.1	.0	.0	2.2	10.8	12.0
S	.1	.5	1.8	8.7	.8	3.6	.5	2.4	.3	1.2	.0	.1	.0	.0	3.4	16.6	11.9
SSW	.0	.2	.4	2.1	.1	.5	.0	.2	.0	.1	.0	.0	.0	.0	.6	3.1	9.9
SW	.1	.3	.4	1.8	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	2.4	7.8
WSW	.0	.1	.2	.8	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.0	7.1
W	.1	.3	.1	.6	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.0	6.7
WNW	.0	.2	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.9	7.7
NW	.0	.2	.2	1.0	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.3	1.4	8.3
NNW	.1	.3	.3	1.3	.1	.6	.1	.4	.1	.4	.0	.1	.0	.0	.6	3.1	12.1
CALM	.9	4.3													.9	4.3	
TOTAL	2.0	9.7	12.1	58.3	3.3	16.1	2.0	9.7	1.0	4.8	.2	.8	.0	.0	20.6	100	10.1

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 3 (OBS)

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VCT VICTORIA, TX

PERIOD: 1965-197

CLASS 3 / DAY

STATION NUMBER: 12912

NO. OBS.: 241

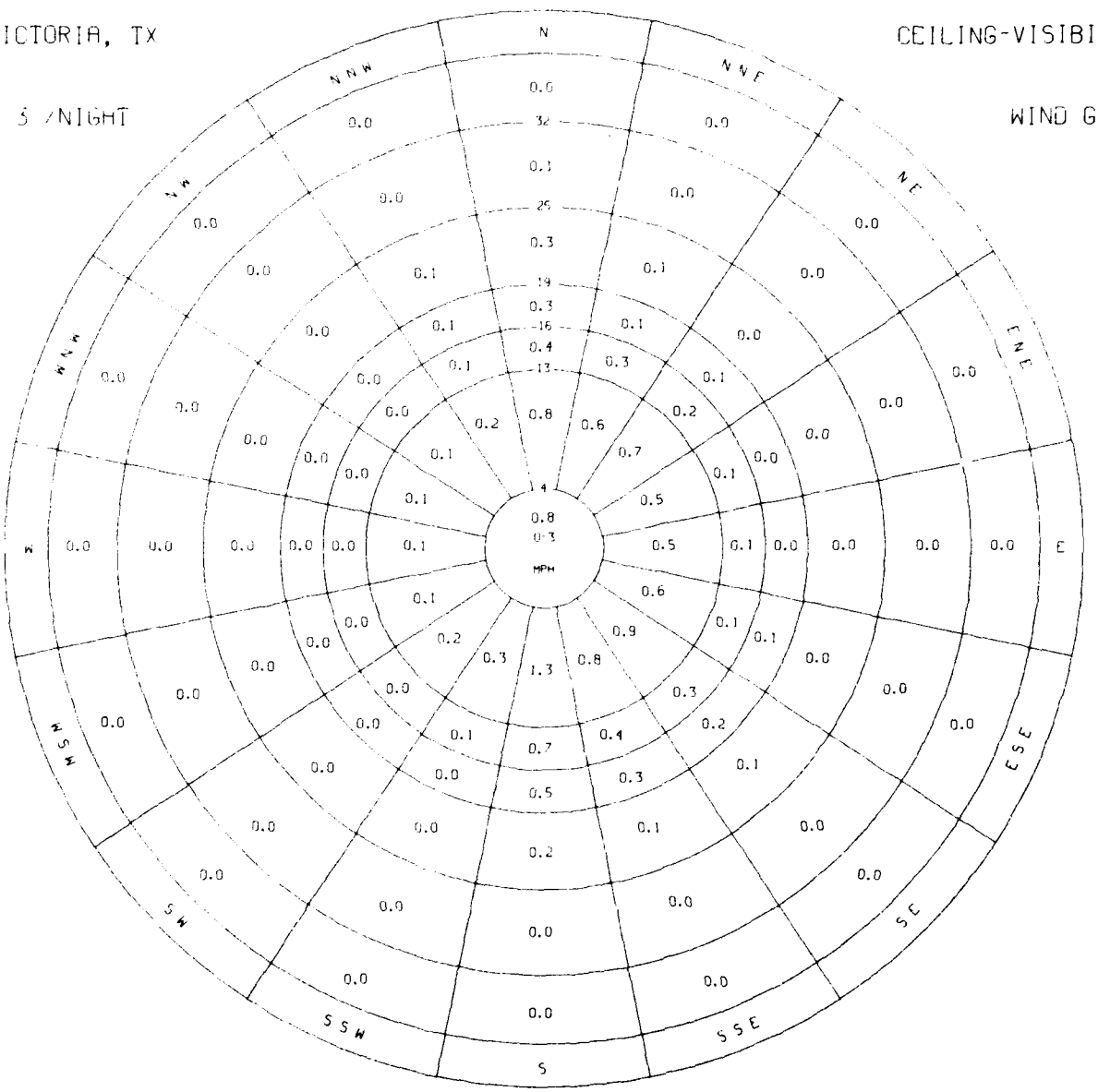
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.1	.5	.7	6.9	.4	3.7	.4	3.2	.2	2.1	.1	.6	.0	.0	1.9	17.1	13.5
N N E	.0	.3	.6	5.2	.3	2.8	.2	1.6	.1	.6	.0	.2	.0	.0	1.2	10.7	12.1
N E	.0	.2	.6	6.0	.2	1.7	.1	1.1	.0	.2	.0	.2	.0	.0	1.0	9.4	10.5
E N E	.0	.3	.4	3.9	.1	1.4	.1	.6	.0	.1	.0	.0	.0	.0	.7	6.3	10.1
E	.0	.2	.4	4.1	.1	.7	.0	.5	.0	.2	.0	.0	.0	.0	.6	5.8	10.2
E S E	.0	.0	.3	2.5	.1	1.2	.1	.7	.0	.4	.0	.0	.0	.0	.5	4.9	12.4
S E	.0	.1	.4	4.1	.2	1.8	.2	1.5	.1	.9	.0	.1	.0	.0	.9	8.6	12.8
S S E	.0	.0	.3	2.9	.2	2.1	.2	1.9	.1	1.0	.0	.0	.0	.0	.8	7.9	13.7
S	.0	.3	.6	5.6	.3	3.1	.2	2.3	.1	1.2	.0	.0	.0	.0	1.4	12.5	12.8
S S W	.0	.2	.2	2.3	.1	.5	.0	.3	.0	.0	.0	.0	.0	.0	.4	3.4	10.0
S W	.0	.1	.2	1.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.3	8.9
W S W	.0	.2	.1	1.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.2	1.5	7.9
W	.0	.2	.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.4	7.3
W N W	.0	.0	.1	.7	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.9	9.8
N W	.0	.2	.1	1.2	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.2	1.8	9.5
N N W	.0	.1	.2	2.1	.1	.7	.1	.5	.0	.4	.0	.1	.0	.0	.4	4.0	12.6
C A L M	.2	1.7													.2	1.7	
T O T A L	.5	4.7	5.6	51.6	2.2	20.3	1.6	14.7	.8	7.3	.1	1.4	.0	.1	10.9	100	11.7

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VICTORIA, TX PERIOD: 1965-1978

CLASS 3 / NIGHT

STATION NUMBER: 12919 NO. OBS.: 2646

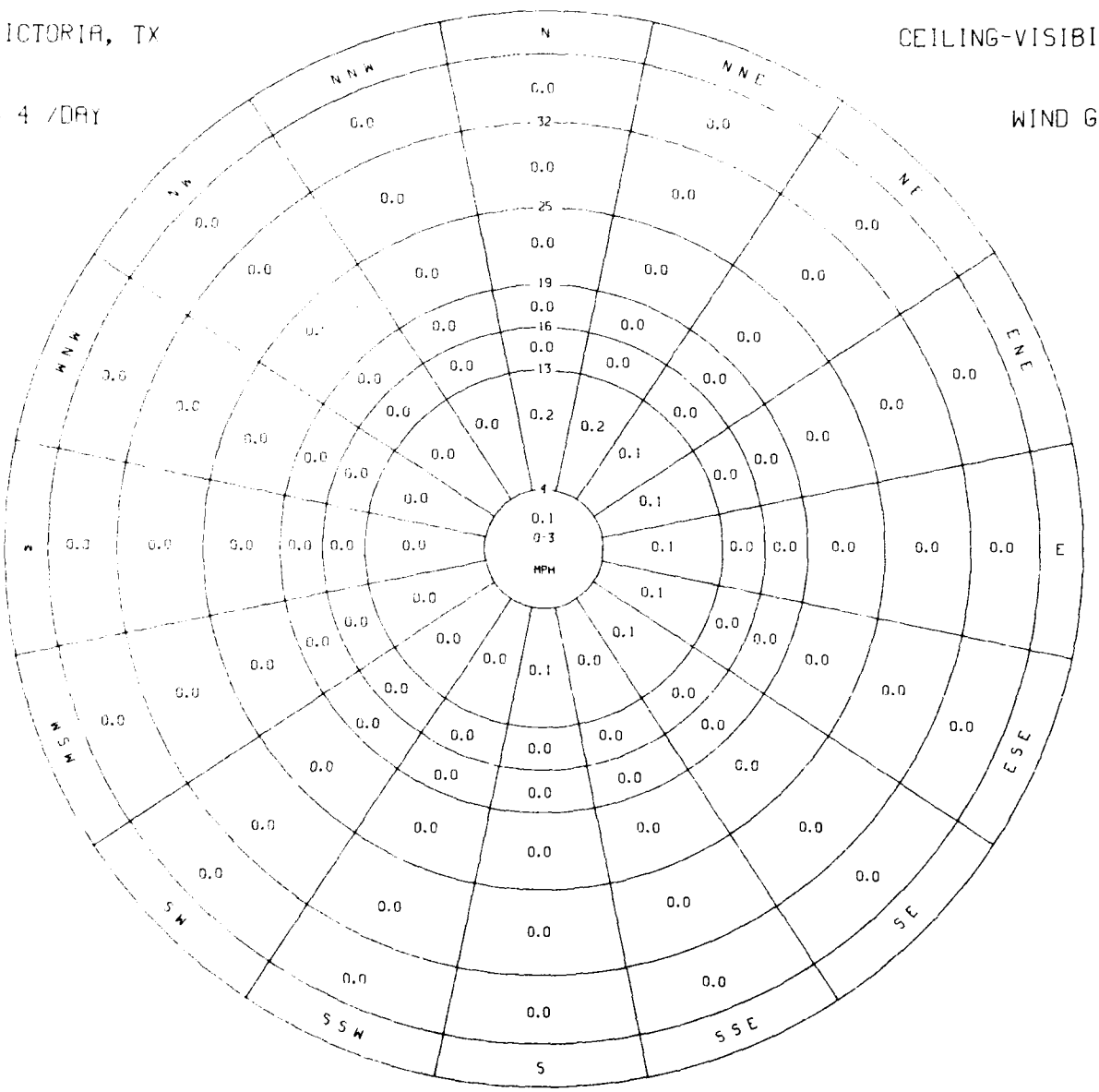
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.1	.4	.8	5.7	.4	2.9	.3	2.5	.3	2.0	.1	.6	.0	.0	2.0	14.1	13..
NNE	.0	.2	.6	4.3	.3	1.9	.1	.6	.1	.4	.0	.0	.0	.0	1.1	7.4	11.4
NE	.0	.2	.7	4.8	.2	1.2	.1	.5	.0	.1	.0	.0	.0	.0	1.0	6.8	9.6
ENE	.1	.4	.5	3.6	.1	.5	.0	.2	.0	.0	.0	.0	.0	.0	.7	4.8	8.6
E	.0	.3	.5	3.5	.1	.4	.0	.3	.0	.0	.0	.0	.0	.0	.6	4.6	8.7
ESE	.1	.4	.6	4.0	.1	.8	.1	.5	.0	.1	.0	.0	.0	.0	.8	5.8	9.4
SE	.0	.1	.9	6.6	.3	2.0	.2	1.1	.1	.5	.0	.0	.0	.0	1.5	10.3	11.1
SSE	.0	.1	.8	5.5	.4	3.1	.3	2.3	.1	1.0	.0	.1	.0	.0	1.7	12.0	12.8
S	.1	.4	1.3	9.2	.7	4.9	.5	3.4	.2	1.7	.0	.1	.0	.0	2.8	19.8	12.6
SSW	.0	.1	.3	2.0	.1	.7	.0	.2	.0	.1	.0	.0	.0	.0	.4	3.1	10.6
SW	.0	.2	.2	1.5	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.3	2.0	8.7
WSW	.0	.1	.1	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.7	7.5
W	.0	.2	.1	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9	7.0
WNW	.0	.1	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.8	8.7
NW	.0	.1	.1	.5	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.1	1.0	10.1
NNW	.0	.2	.2	1.2	.1	.6	.1	.6	.1	.6	.0	.1	.0	.0	.5	3.2	13.6
CALM	.4	2.6													.4	2.6	
TOTAL	.8	5.9	7.6	54.2	2.8	19.5	1.8	12.6	.9	6.6	.2	1.2	.0	.0	14.1	100	11.2

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VCT VICTORIA, TX

PERIOD: 1965-1978

CLASS 4 / DAY

STATION NUMBER: 12912

NO. OBS.: 362

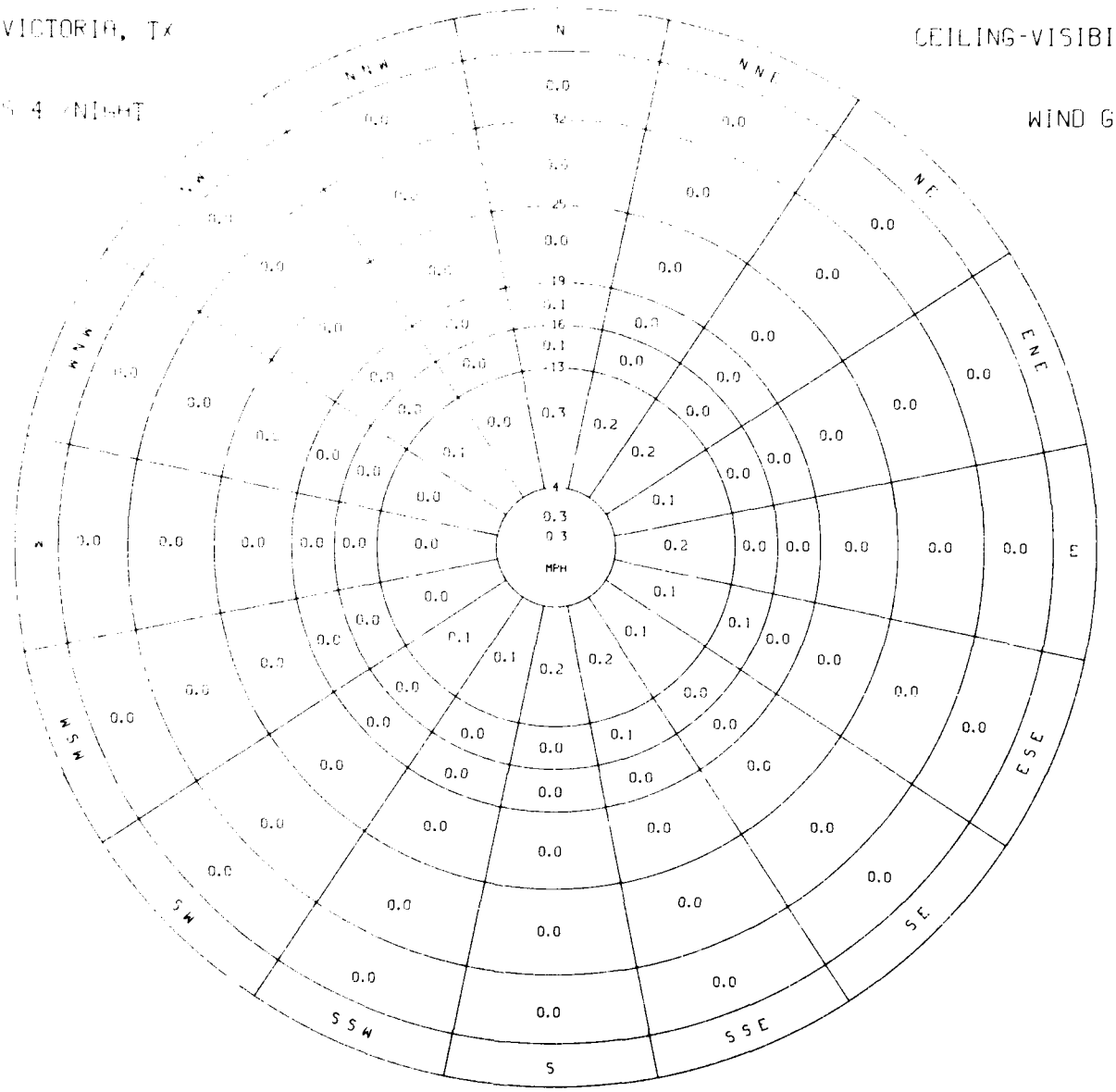
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.6	.2	10.5	.0	3.0	.0	2.2	.0	.6	.0	.0	.0	.0	.3	16.9	10.7
NNE	.0	.3	.2	11.6	.0	1.4	.0	.6	.0	.3	.0	.0	.0	.0	.2	14.1	9.4
NE	.0	1.4	.1	8.6	.0	1.1	.0	.6	.0	.3	.0	.0	.0	.0	.2	11.9	8.7
ENE	.0	.3	.1	5.2	.0	.6	.0	.8	.0	.0	.0	.0	.0	.0	.1	6.9	9.0
E	.0	1.1	.1	9.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.3	8.1
ESE	.0	.3	.1	4.1	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.1	5.2	9.9
SE	.0	.3	.1	4.1	.0	1.7	.0	.3	.0	.3	.0	.0	.0	.0	.1	6.6	10.6
SSE	.0	.0	.0	1.7	.0	.3	.0	.6	.0	.3	.0	.0	.0	.0	.0	2.8	11.3
S	.0	.3	.1	3.9	.0	1.1	.0	.3	.0	.0	.0	.0	.0	.0	.1	5.5	9.7
SSW	.0	.0	.0	1.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	8.0
SW	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.1
WSW	.0	.3	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	6.3
W	.0	.6	.0	1.7	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	2.8	8.0
WNW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.5
NW	.0	.0	.0	1.9	.0	.0	.0	.6	.0	.0	.0	.3	.0	.0	.0	2.8	11.1
NNW	.0	.0	.0	1.9	.0	.8	.0	1.1	.0	.0	.0	.0	.0	.0	.1	3.9	11.4
CALM	.0	2.2													.0	2.2	
TOTAL	.1	8.0	1.2	70.7	.2	11.9	.1	7.5	.0	1.7	.0	.3	.0	.0	1.6	100	9.2

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 4 (NIGHT

WIND GRAPH



874

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VCT VICTORIA, TX

PERIOD: 1965-1978

CLASS 4 / NIGHT

STATION NUMBER: 12912

NO. OBS.: 567

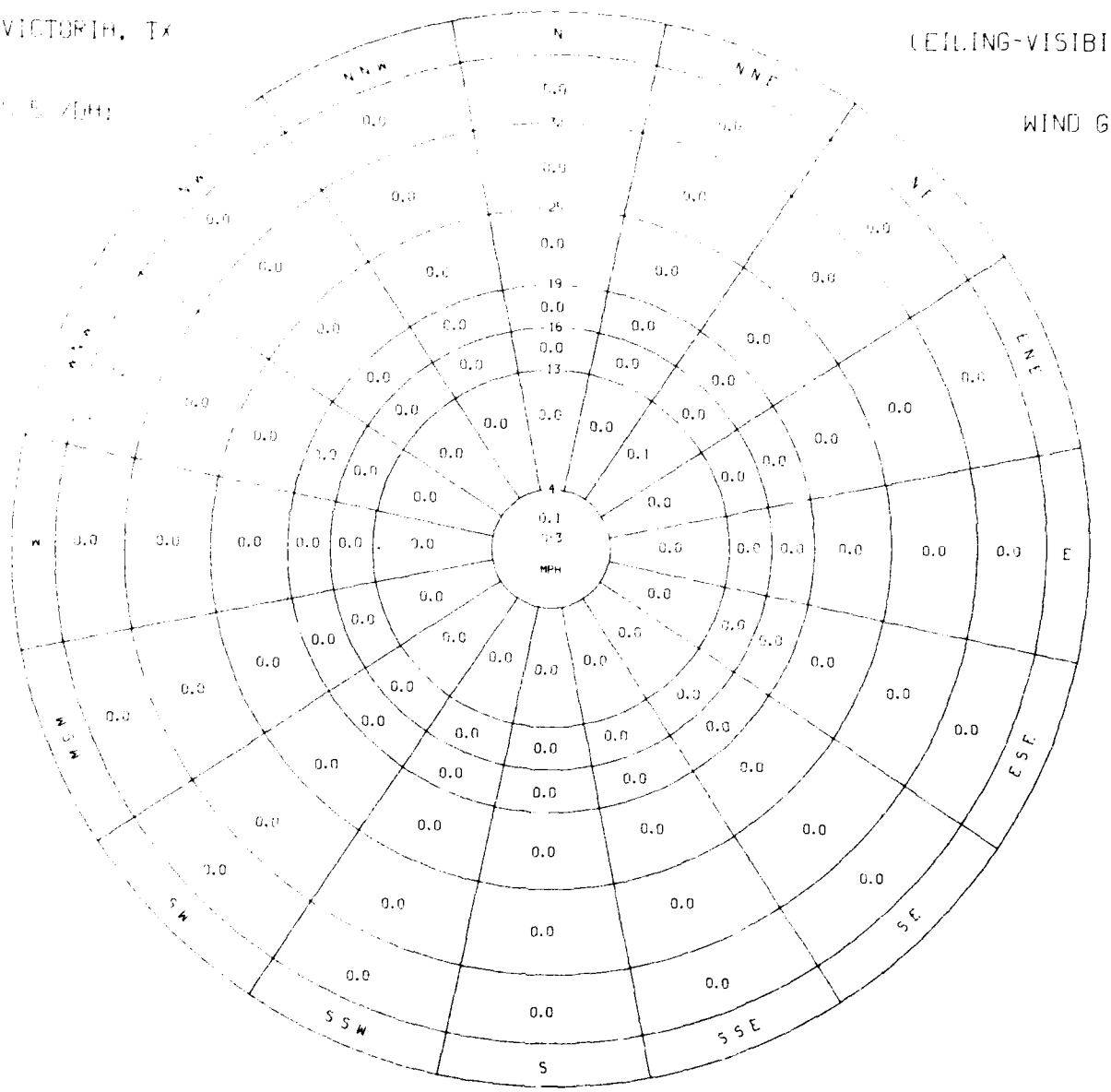
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.3	9.0	.1	3.7	.1	2.5	.0	1.1	.0	.0	.0	.0	.5	16.4	11.8
NNE	.0	.9	.2	5.8	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.2	7.2	8.0
NE	.0	.7	.2	5.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.1	8.3
ENE	.0	.7	.1	4.8	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.2	6.2	8.7
E	.0	.4	.2	6.9	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.3	8.3	8.8
ESE	.0	.0	.1	4.6	.1	1.9	.0	.4	.0	.0	.0	.0	.0	.0	.2	6.9	10.2
SE	.0	.7	.1	4.6	.0	1.6	.0	1.2	.0	.2	.0	.0	.0	.0	.3	8.3	10.8
SSE	.0	.2	.2	7.9	.1	2.1	.0	.2	.0	.4	.0	.0	.0	.0	.3	10.8	10.2
S	.0	.5	.2	7.1	.0	1.4	.0	.5	.0	.2	.0	.0	.0	.0	.3	9.7	9.5
SSW	.0	.4	.1	3.2	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.1	4.1	8.7
SW	.0	.0	.1	2.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	7.4
WSW	.0	.0	.0	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	8.0
W	.0	.2	.0	.7	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	1.1	8.8
WNW	.0	.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	5.7
NW	.0	.4	.1	1.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.6	7.5
NNW	.0	.4	.0	.7	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.1	2.1	10.6
CALM	.2	5.6													.2	5.6	
TOTAL	.3	11.3	2.0	65.6	.4	14.8	.2	6.5	.1	1.8	.0	.0	.0	.0	3.0	100	9.1

VCT VICTORIA, TX

(CLASS 6 ZULU)

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] VICTORIA, TX

PERIOD: 1965-1978

CLASS [illegible] / DAY

STATION NUMBER: [illegible]

NO. OBS.: 116

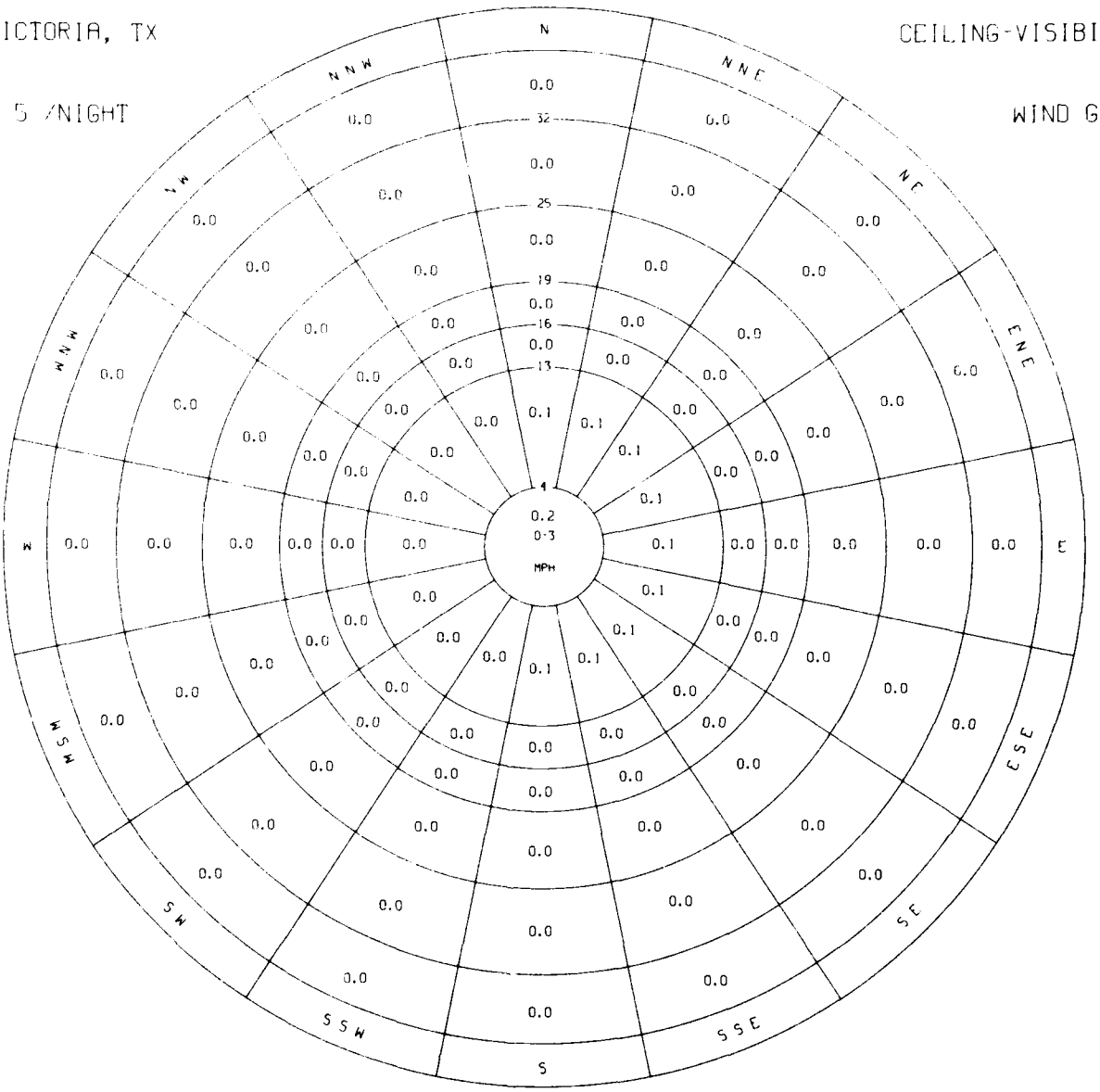
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.9	.0	9.5	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.1	7.5
NNE	.0	.9	.0	7.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	8.0
NE	.0	.0	.1	12.9	.0	1.7	.0	.9	.0	.0	.0	.0	.0	.0	.1	15.5	8.4
ENE	.0	.9	.0	9.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.3	6.3
E	.0	.9	.0	9.6	.0	.0	.0	.9	.0	.9	.0	.0	.0	.0	.1	11.2	9.0
ESE	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	4.3	11.0
SE	.0	.9	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.4
SSE	.0	.9	.1	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	7.0
S	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	9.0
SSW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	6.0
SW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	9.5
WSW	.0	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	[illegible].0
W	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	5.0
WNW	.0	.9	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	3.4	11.2
NW	.0	1.7	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	6.0	8.6
NNW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	9.5
CALM	.0	9.5													.0	9.5	
TOTAL	.1	18.1	.4	72.4	.0	4.3	.0	1.7	.0	1.7	.0	1.7	.0	.0	.5	100	7.3

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VCT VICTORIA, TX

PERIOD: 1965-1978

CLASS 5 / NIGHT

STATION NUMBER: 12912

NO. OBS.: 251

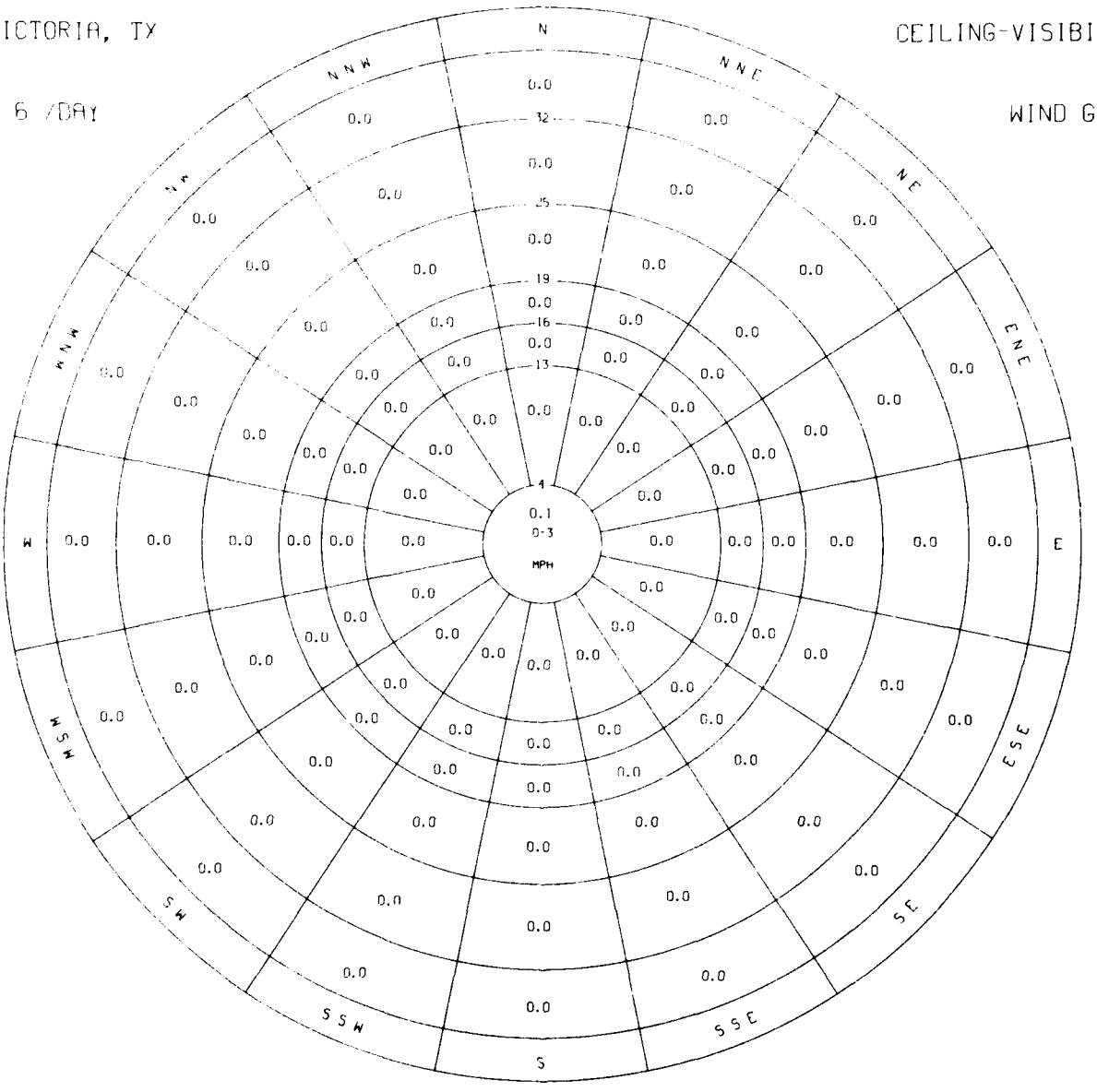
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.8	.1	5.8	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.2	11.6	8.4
NNE	.0	.8	.1	6.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.0	7.7
NE	.0	1.2	.1	8.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.6	6.6
ENE	.0	1.2	.1	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.2	6.0
E	.0	.8	.1	4.8	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.1	6.4	9.1
ESE	.0	2.0	.1	6.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.4	6.6
SE	.0	.8	.1	10.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.2	11.6	8.0
SSE	.0	.0	.1	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.6	7.9
S	.0	.4	.1	5.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.8	8.8
SSW	.0	.4	.0	2.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	2.8	8.9
SW	.0	.8	.0	3.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.1	4.4	7.0
WSW	.0	.0	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	7.8
W	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	3.0
WNW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	9.5
NW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	6.2
NNW	.0	1.2	.0	2.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.2	8.8
CALM	.1	7.6													.1	7.6	
TOTAL	.2	18.3	1.0	73.7	.1	5.6	.0	1.6	.0	.8	.0	.0	.0	.0	1.3	100	7.1

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VICTORIA, TX

PERIOD: 1965-1978

CLASS 6 / DAY

STATION NUMBER: 12912

NO. OBS.: 99

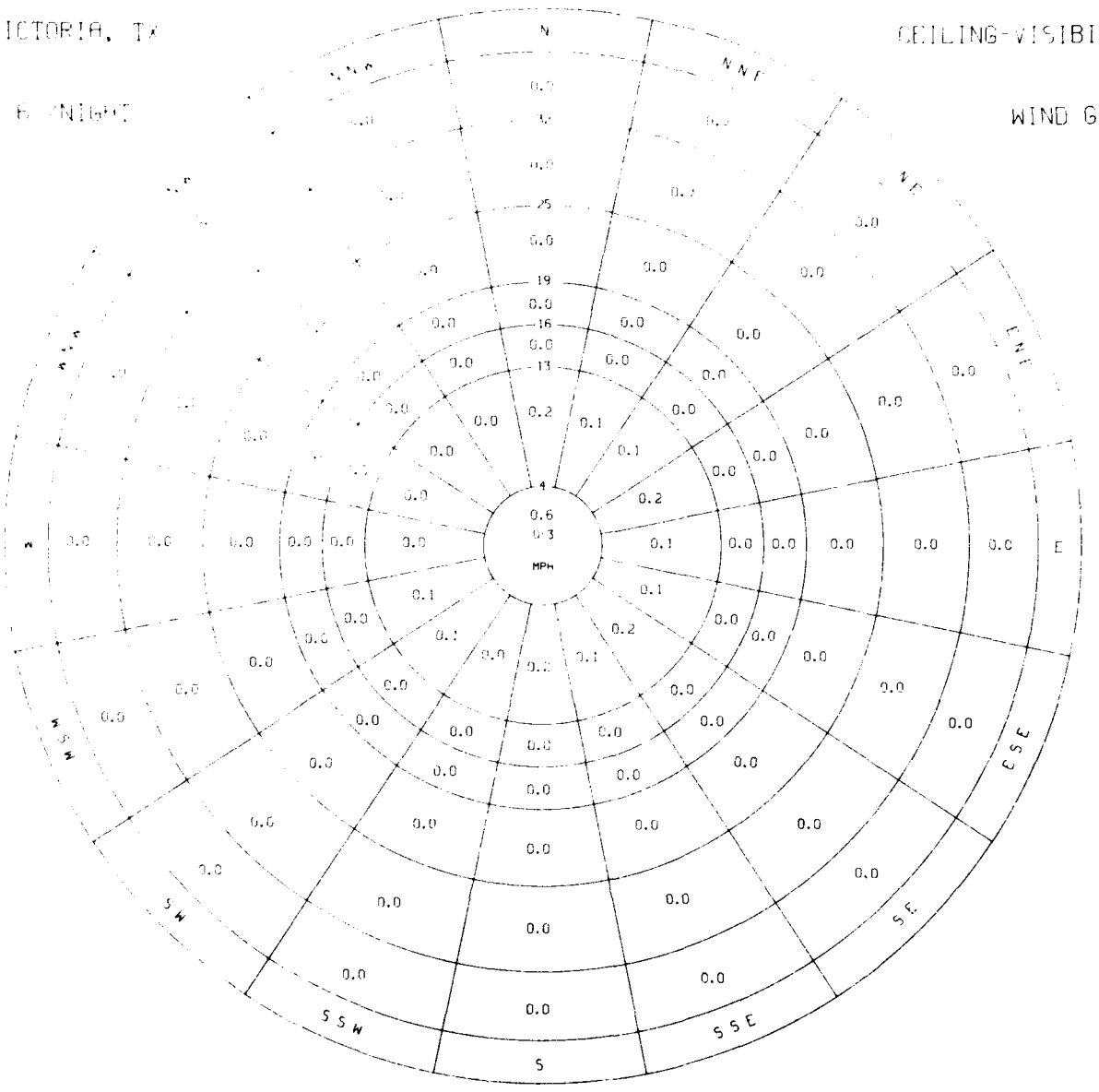
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	3.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.1	6.8
NNE	.0	3.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	14.1	5.7
NE	.0	5.1	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	14.1	5.4
ENE	.0	4.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	5.5
E	.0	1.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	6.7
ESE	.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	3.8
SE	.0	1.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	7.4
SSE	.0	1.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	6.8
S	.0	.0	.0	5.1	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	6.1	8.3
SSW	.0	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.3
SW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	6.0
WSW	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	8.0
W	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	4.0
WNW	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	3.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.5
CALM	.0	9.1													.0	9.1	
TOTAL	.1	33.3	.3	65.7	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.4	100	5.5

VCT VICTORIA, TX

CEILING-VISIBILITY

CLASS B (NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: VCT VICTORIA, TX

PERIOD: 1965-1978

CLASS 6 / NIGHT

STATION NUMBER: 12912

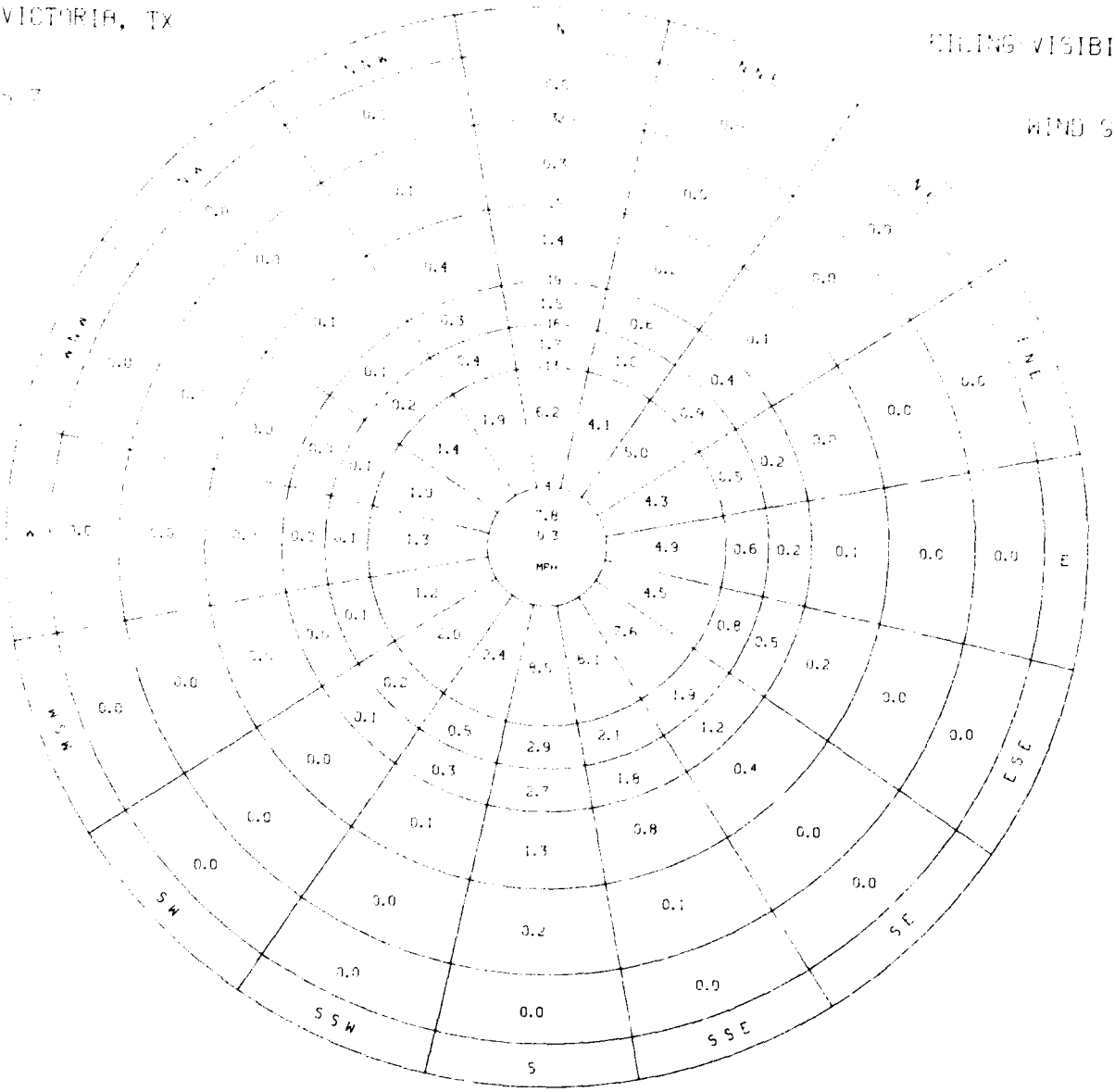
NO. OBS.: 400

DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.2	.2	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	8.0	6.7
NNE	.0	.1	.1	5.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.7	5.8
NE	.0	1.2	.1	5.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	5.4
ENE	.0	1.7	.2	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	9.7	6.0
E	.1	2.5	.1	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.5	5.1
ESE	.0	1.7	.1	4.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.7	6.5
SE	.0	2.0	.2	7.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.2	10.0	6.8
SSE	.0	.2	.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.0	7.4
S	.0	1.2	.2	9.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2	11.2	7.0
SSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.5
SW	.0	1.2	.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	3.7	5.7
WSW	.0	.2	.1	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	5.9
W	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	3.8
WNW	.0	.5	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	5.4
NW	.0	.5	.0	1.7	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.5	6.0
NNW	.0	.7	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	2.7	5.9
CALM	.2	11.5													.2	11.5	
TOTAL	.6	26.7	1.5	71.7	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	2.1	100	5.5

VCT VICTORIA, TX

CEILING VISIBILITY

WIND GRAPH

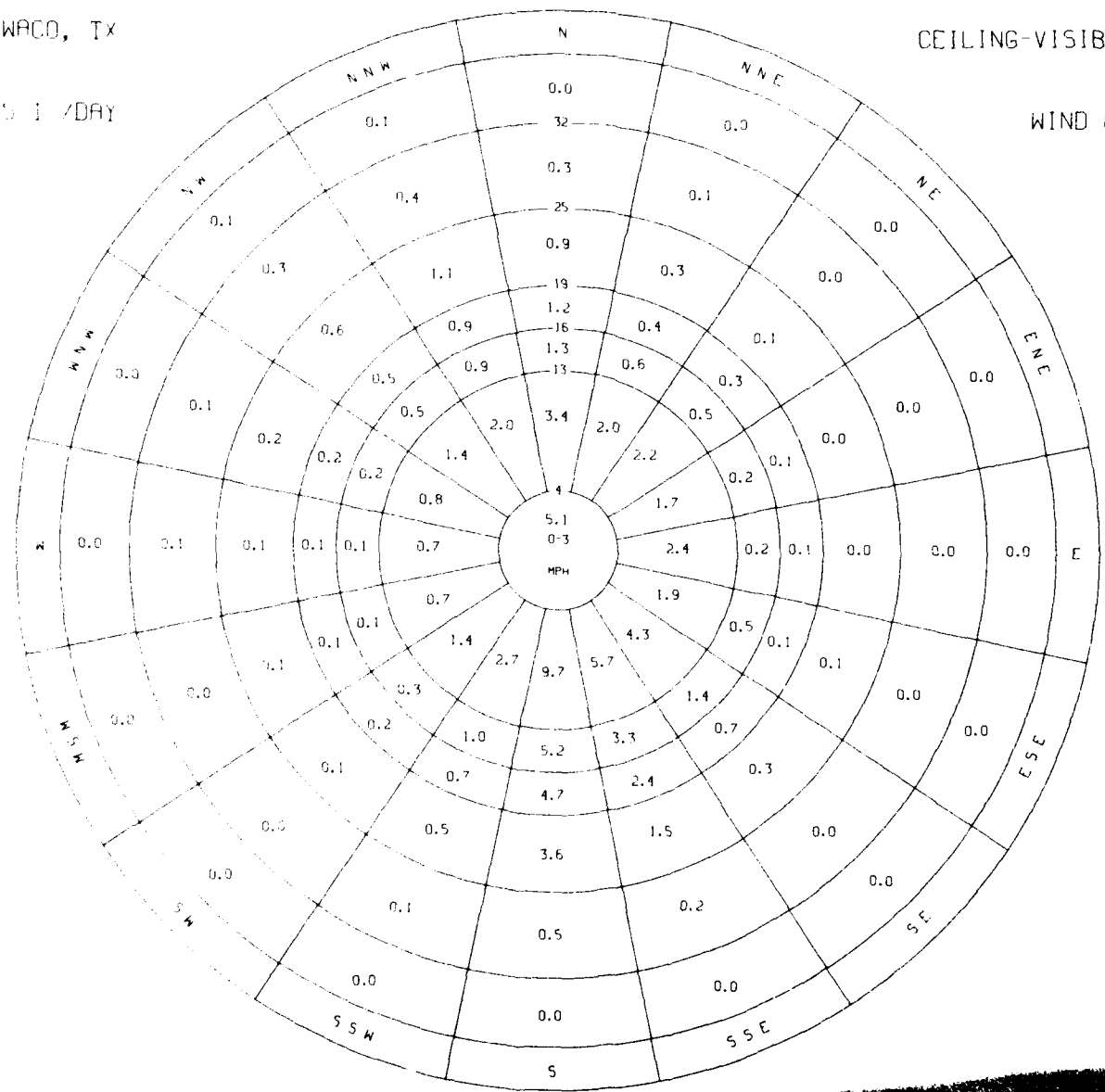


ACT WACO, TX

CLASS I /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AFT WACO, TX

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 13959

NO. OBS.: 42412

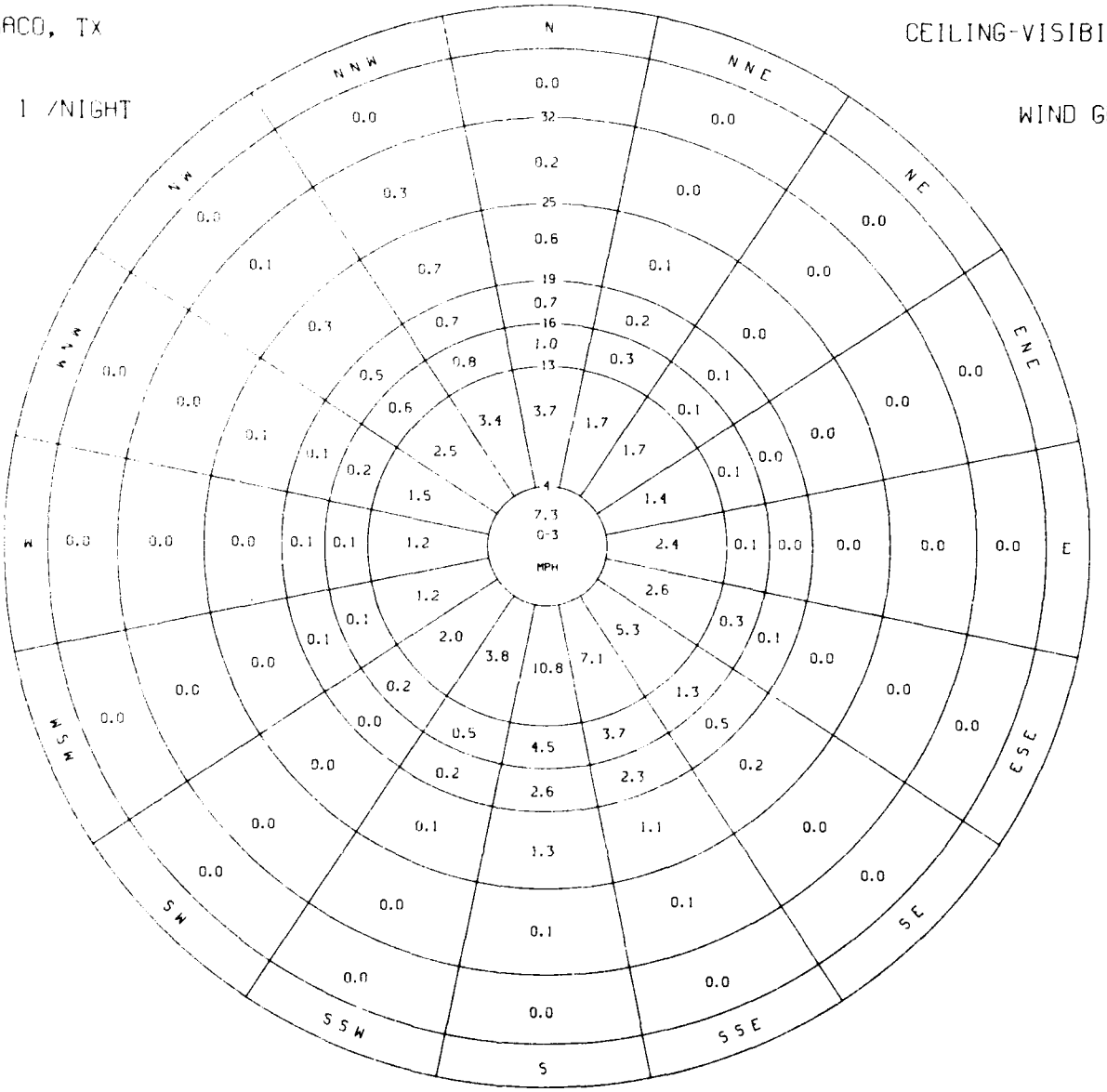
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.2	.2	3.4	3.8	1.3	1.4	1.2	1.3	.9	1.0	.3	.3	.0	.0	7.2	8.1	13.1
NNE	.1	.1	2.0	2.2	.6	.7	.4	.5	.3	.3	.1	.1	.0	.0	3.5	3.9	11.8
NE	.2	.3	2.2	2.5	.5	.6	.3	.3	.1	.1	.0	.0	.0	.0	3.4	3.8	10.1
ENE	.1	.2	1.7	1.9	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.2	2.5	8.8
E	.2	.3	2.4	2.7	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.4	8.4
ESE	.1	.1	1.9	2.2	.5	.5	.1	.2	.1	.1	.0	.0	.0	.0	2.7	3.0	9.9
SE	.2	.3	4.3	4.8	1.4	1.6	.7	.8	.3	.3	.0	.0	.0	.0	7.0	7.8	10.9
SSE	.1	.2	5.7	6.4	3.3	3.7	2.4	2.7	1.5	1.7	.2	.2	.0	.0	13.3	14.9	13.4
S	.4	.4	9.7	10.9	5.2	5.8	4.7	5.2	3.6	4.1	.5	.6	.0	.0	24.1	27.0	13.9
SSW	.1	.2	2.7	3.0	1.0	1.1	.7	.8	.5	.6	.1	.1	.0	.0	5.1	5.7	12.3
SW	.1	.1	1.4	1.6	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.2	2.5	10.3
WSW	.1	.1	.7	.8	.1	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.2	1.3	11.4
W	.1	.1	.7	.8	.1	.2	.1	.1	.1	.1	.1	.1	.0	.0	1.3	1.4	11.5
WNW	.1	.1	.8	.9	.2	.2	.2	.2	.2	.2	.1	.1	.0	.0	1.6	1.8	13.2
NW	.2	.2	1.4	1.6	.5	.6	.5	.6	.6	.7	.3	.3	.1	.1	3.5	4.0	14.3
NNW	.1	.1	2.0	2.2	.9	1.0	.9	1.0	1.1	1.2	.4	.4	.1	.1	5.4	6.1	15.0
CALM	2.5	2.8													2.5	2.8	
TOTAL	5.1	5.7	43.1	48.3	16.4	18.4	12.8	14.3	9.6	10.7	2.1	2.3	.3	.3	89.3	100	12.3

ACT WACO, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACT WACO, TX

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 13959

NO. OBS.: 35237

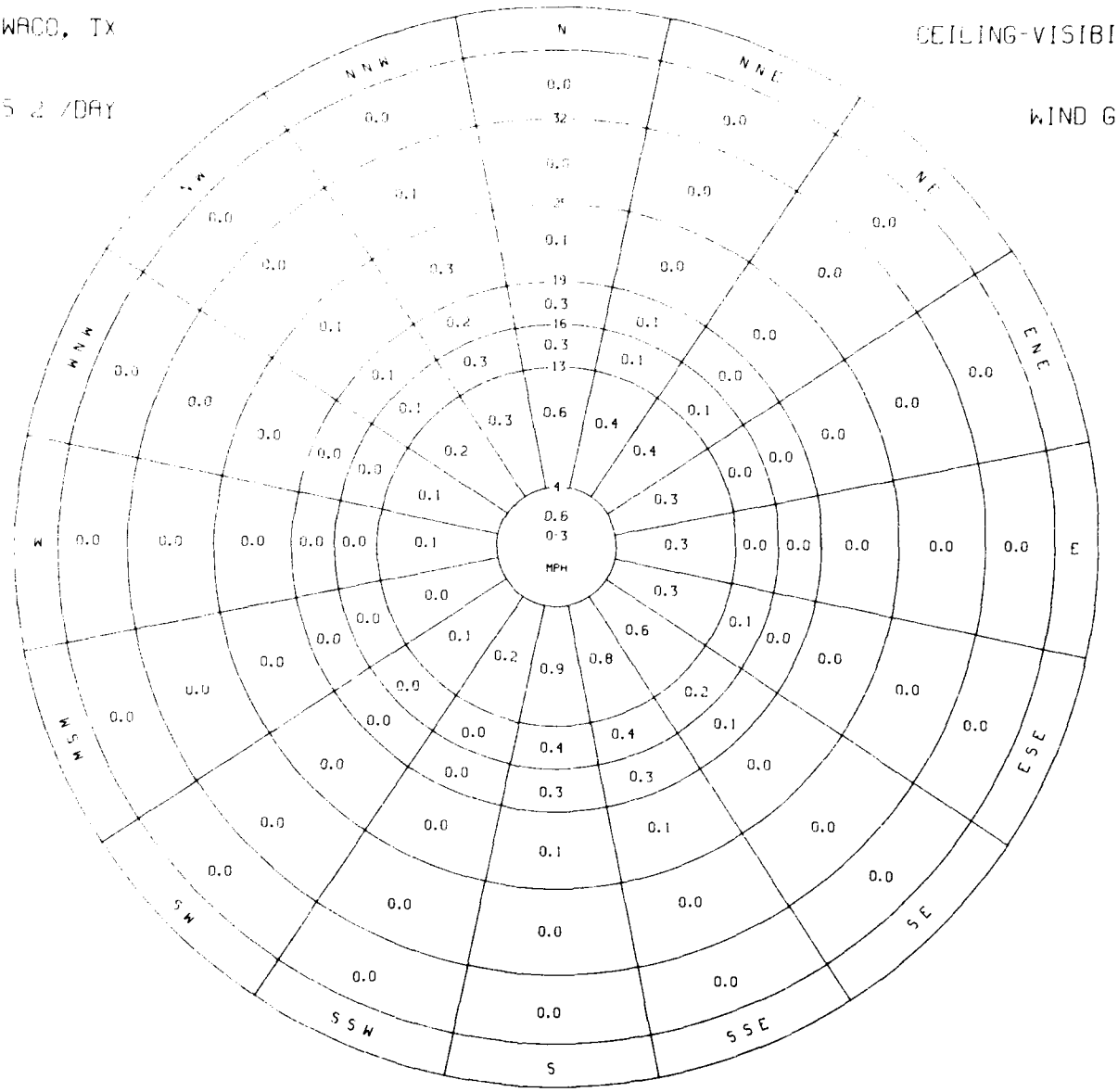
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	3.7	4.2	1.0	1.2	.7	.8	.6	.7	.2	.2	.0	.0	6.5	7.4	11.8
NNE	.2	.2	1.7	2.0	.3	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.6	3.0	10.0
NE	.3	.3	1.7	2.0	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	2.3	2.6	8.0
ENE	.2	.2	1.4	1.6	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.9	7.2
E	.3	.3	2.4	2.7	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.8	3.2	7.2
ESE	.1	.2	2.6	3.0	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	3.1	3.6	8.5
SE	.2	.2	5.3	6.0	1.3	1.4	.5	.6	.2	.3	.0	.0	.0	.0	7.6	8.6	10.4
SSE	.2	.2	7.1	8.1	3.7	4.2	2.3	2.7	1.1	1.3	.1	.1	.0	.0	14.6	16.7	12.8
S	.3	.4	10.8	12.3	4.5	5.2	2.6	2.9	1.3	1.5	.1	.2	.0	.0	19.7	22.4	12.0
SSW	.2	.2	3.8	4.3	.5	.6	.2	.3	.1	.1	.0	.0	.0	.0	4.8	5.5	9.3
SW	.2	.2	2.0	2.3	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	2.5	2.8	7.9
WSW	.1	.1	1.2	1.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5	1.7	8.1
W	.2	.2	1.2	1.4	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.6	1.8	8.1
WNW	.2	.2	1.5	1.7	.2	.3	.1	.1	.1	.1	.0	.0	.0	.0	2.2	2.5	9.7
NW	.2	.2	2.5	2.9	.6	.7	.5	.5	.3	.4	.1	.2	.0	.0	4.2	4.8	11.6
NNW	.2	.2	3.4	3.8	.8	.9	.7	.8	.7	.8	.3	.3	.0	.1	6.1	6.9	12.5
CALM	4.0	4.5													4.0	4.5	
TOTAL	7.3	8.3	52.3	59.6	14.0	16.0	8.3	9.5	4.7	5.4	1.0	1.1	.1	.1	87.7	100	10.5

ACT WACO, TX

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACT WACO, Tx

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 13959

NO. OBS.: 5057

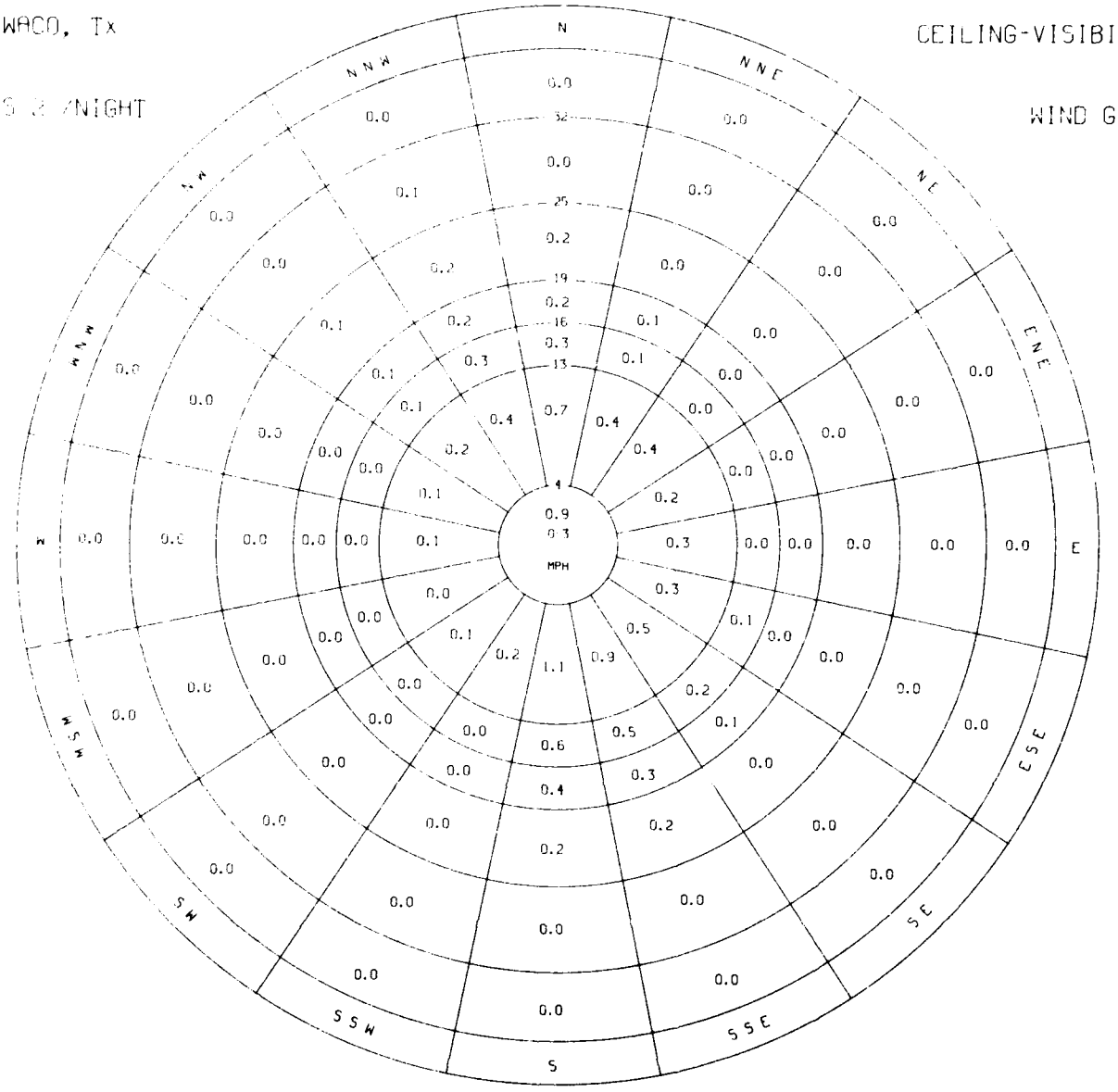
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.4	.6	5.7	.3	2.7	.3	2.4	.1	1.2	.0	.4	.0	.1	1.4	12.8	13.3
NNE	.0	.2	.4	3.6	.1	1.1	.1	.9	.0	.4	.0	.1	.0	.0	.7	6.4	11.5
NE	.0	.3	.4	3.7	.1	.9	.0	.3	.0	.1	.0	.1	.0	.0	.6	5.3	9.9
ENE	.0	.2	.3	2.6	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	3.1	8.2
E	.0	.3	.3	3.1	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	4.0	8.3
ESE	.0	.2	.3	2.7	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.4	3.8	9.9
SE	.0	.2	.6	5.4	.2	1.5	.1	.9	.0	.3	.0	.1	.0	.0	.9	8.3	10.9
SSE	.0	.1	.8	7.4	.4	3.8	.3	2.5	.1	1.0	.0	.0	.0	.0	1.6	14.7	12.6
S	.0	.3	.9	8.3	.4	4.1	.3	2.5	.1	1.2	.0	.2	.0	.0	1.8	16.6	12.5
SSW	.0	.2	.2	1.6	.0	.3	.0	.2	.0	.1	.0	.1	.0	.0	.3	2.4	10.5
SW	.0	.0	.1	.6	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.7	9.0
WSW	.0	.0	.0	.4	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.6	12.5
W	.0	.0	.1	.5	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1	.9	12.9
WNW	.0	.1	.1	.9	.0	.3	.0	.1	.0	.2	.0	.1	.0	.0	.2	1.7	12.5
NW	.0	.1	.2	1.9	.1	.9	.1	1.0	.1	.5	.0	.5	.0	.1	.5	5.1	15.0
NNW	.0	.1	.3	2.6	.3	2.4	.2	2.1	.3	2.4	.1	.7	.0	.1	1.1	10.5	16.1
CALM	.3	2.9													.3	2.9	
TOTAL	.6	5.7	5.4	51.0	2.0	19.2	1.4	13.4	.8	7.8	.2	2.3	.1	.5	10.7	100	11.9

ACT WACO, Tx

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible]

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: [illegible]

NO. OBS.: 4921

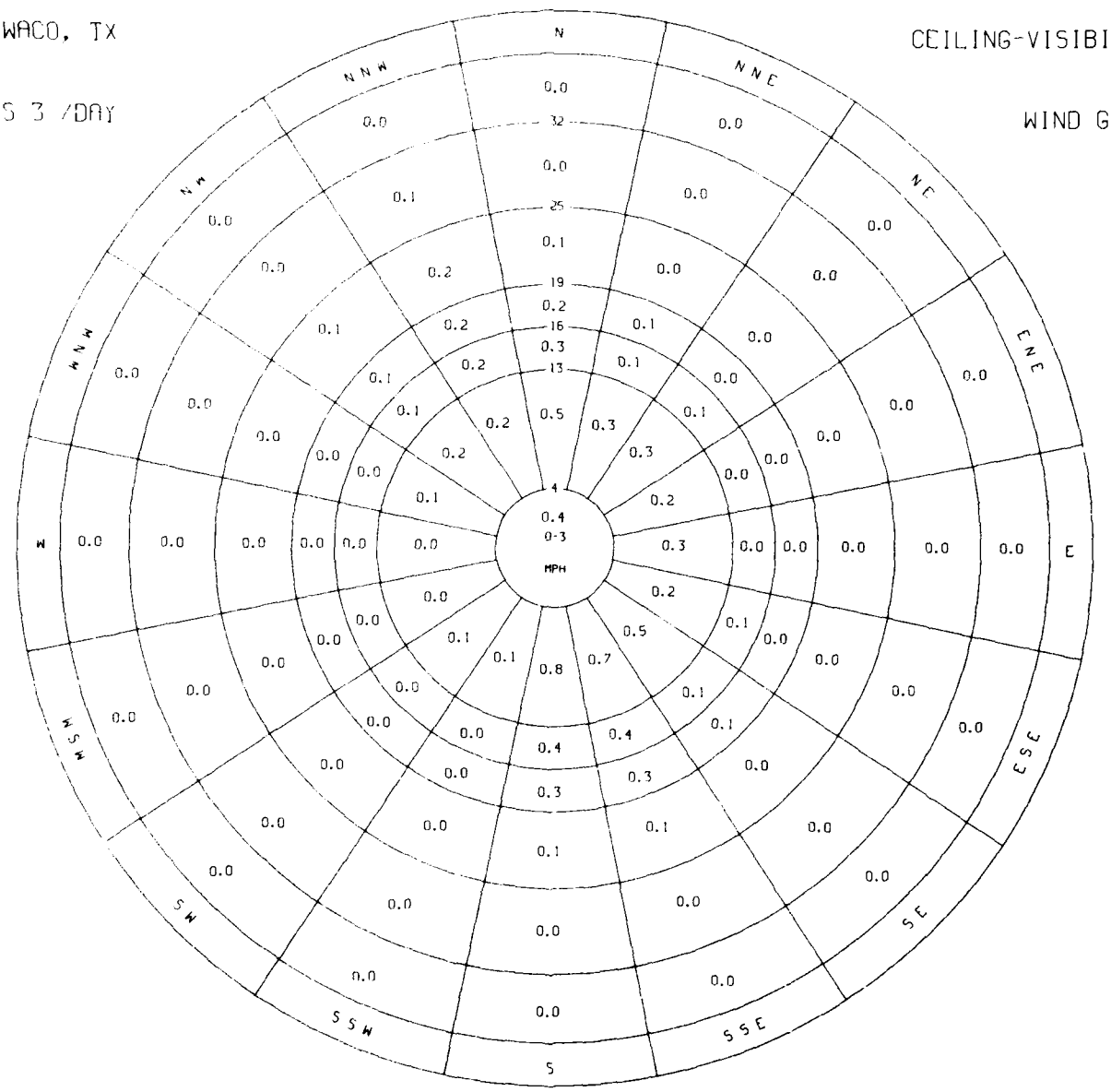
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13 15 A	13 15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.3	.7	5.9	.3	2.7	.2	1.8	.2	1.3	.0	.3	.0	.1	1.5	12.4	12.9
NNE	.0	.3	.4	3.3	.1	1.2	.1	.6	.0	.3	.0	.1	.0	.0	.7	5.8	11.3
NE	.1	.4	.4	3.0	.0	.4	.0	.2	.0	.1	.0	.0	.0	.0	.5	4.2	9.2
ENE	.0	.2	.2	2.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	2.4	8.4
E	.0	.4	.3	2.6	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.4	3.2	7.6
ESE	.0	.2	.3	2.5	.1	.4	.0	.1	.0	.1	.0	.0	.0	.0	.4	3.2	9.0
SE	.0	.4	.5	4.0	.2	1.7	.1	.9	.0	.3	.0	.1	.0	.0	.9	7.4	11.1
SSE	.0	.3	.9	7.2	.5	4.0	.3	2.8	.2	1.2	.0	.2	.0	.0	1.9	15.7	12.9
S	.0	.3	1.1	9.0	.6	5.0	.4	2.9	.2	1.7	.0	.1	.0	.0	2.3	19.0	12.8
SSW	.0	.1	.2	1.7	.0	.3	.0	.3	.0	.1	.0	.0	.0	.0	.3	2.6	10.4
SW	.0	.1	.1	1.0	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.2	1.3	8.5
WSW	.0	.1	.0	.4	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	.8	11.7
W	.0	.0	.1	.7	.0	.3	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.2	11.0
WNW	.0	.1	.1	1.0	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.2	1.8	11.9
NW	.0	.1	.2	2.0	.1	1.1	.1	.8	.1	.9	.0	.3	.0	.0	.6	5.2	14.3
NNW	.0	.2	.4	3.5	.3	2.1	.2	1.8	.2	1.8	.1	.6	.0	.1	1.2	10.1	14.9
CALM	.5	3.8													.5	3.8	
TOTAL	.9	7.4	6.1	49.6	2.4	19.8	1.6	12.7	1.0	8.5	.2	1.8	.0	.3	12.3	100	11.7

ACT WACO, TX

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALT WACO, TX

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 13959

NO. OBS.: 4396

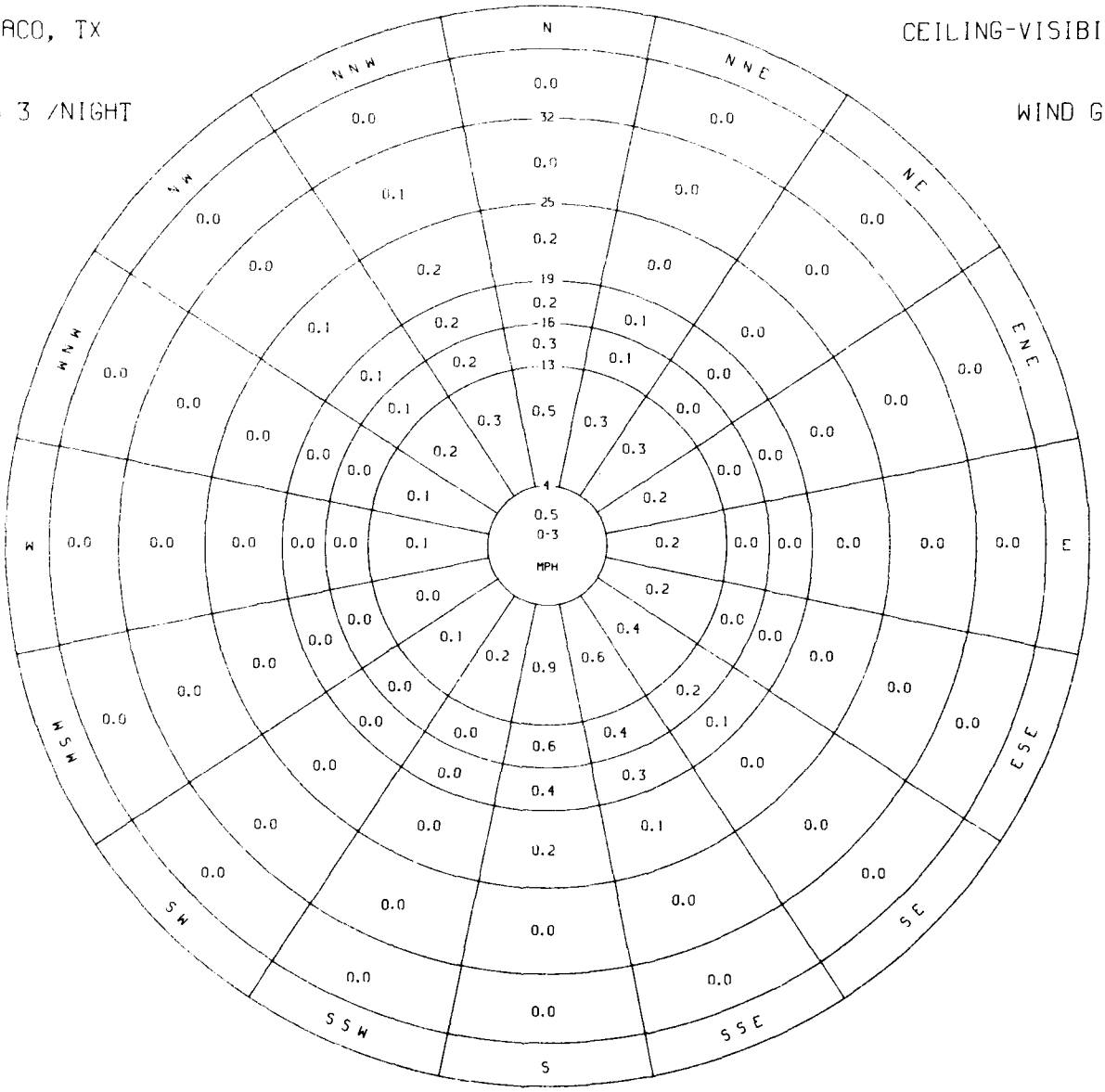
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.4	.5	5.6	.3	2.9	.2	2.5	.1	1.4	.0	.4	.0	.1	1.2	13.3	13.5
NNE	.0	.2	.3	3.5	.1	1.1	.1	1.0	.0	.4	.0	.1	.0	.0	.6	6.3	11.9
NE	.0	.3	.3	3.5	.1	.8	.0	.3	.0	.1	.0	.1	.0	.0	.5	5.1	10.2
ENE	.0	.2	.2	2.4	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.9	8.5
E	.0	.3	.3	2.8	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.3	3.7	8.7
ESE	.0	.1	.2	2.6	.1	.6	.0	.3	.0	.1	.0	.0	.0	.0	.3	3.7	10.2
SE	.0	.1	.5	5.2	.1	1.6	.1	1.0	.0	.3	.0	.1	.0	.0	.8	8.3	11.3
SSE	.0	.1	.7	7.2	.4	4.0	.3	2.8	.1	1.1	.0	.0	.0	.0	1.4	15.2	12.9
S	.0	.3	.8	8.2	.4	4.6	.3	2.7	.1	1.4	.0	.2	.0	.0	1.6	17.4	12.8
SSW	.0	.1	.1	1.3	.0	.3	.0	.2	.0	.2	.0	.1	.0	.0	.2	2.1	11.5
SW	.0	.0	.1	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.8	9.2
WSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.6	11.0
W	.0	.0	.0	.5	.0	.0	.0	.1	.0	.1	.0	.1	.0	.0	.1	.9	13.1
WNW	.0	.1	.1	.9	.0	.3	.0	.1	.0	.3	.0	.0	.0	.0	.2	1.8	12.3
NW	.0	.0	.2	1.8	.1	.9	.1	1.2	.1	.6	.0	.5	.0	.1	.5	5.2	15.5
NNW	.0	.1	.2	2.5	.2	2.4	.2	2.3	.2	2.5	.1	.8	.0	.1	1.0	10.6	16.3
CALM	.2	2.2													.2	2.2	
TOTAL	.4	4.5	4.5	49.0	1.9	20.2	1.4	14.7	.8	8.6	.2	2.4	.0	.5	9.3	100	12.4

ACT WACO, TX

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACT WACO, TX

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 13959

NO. OBS.: 3920

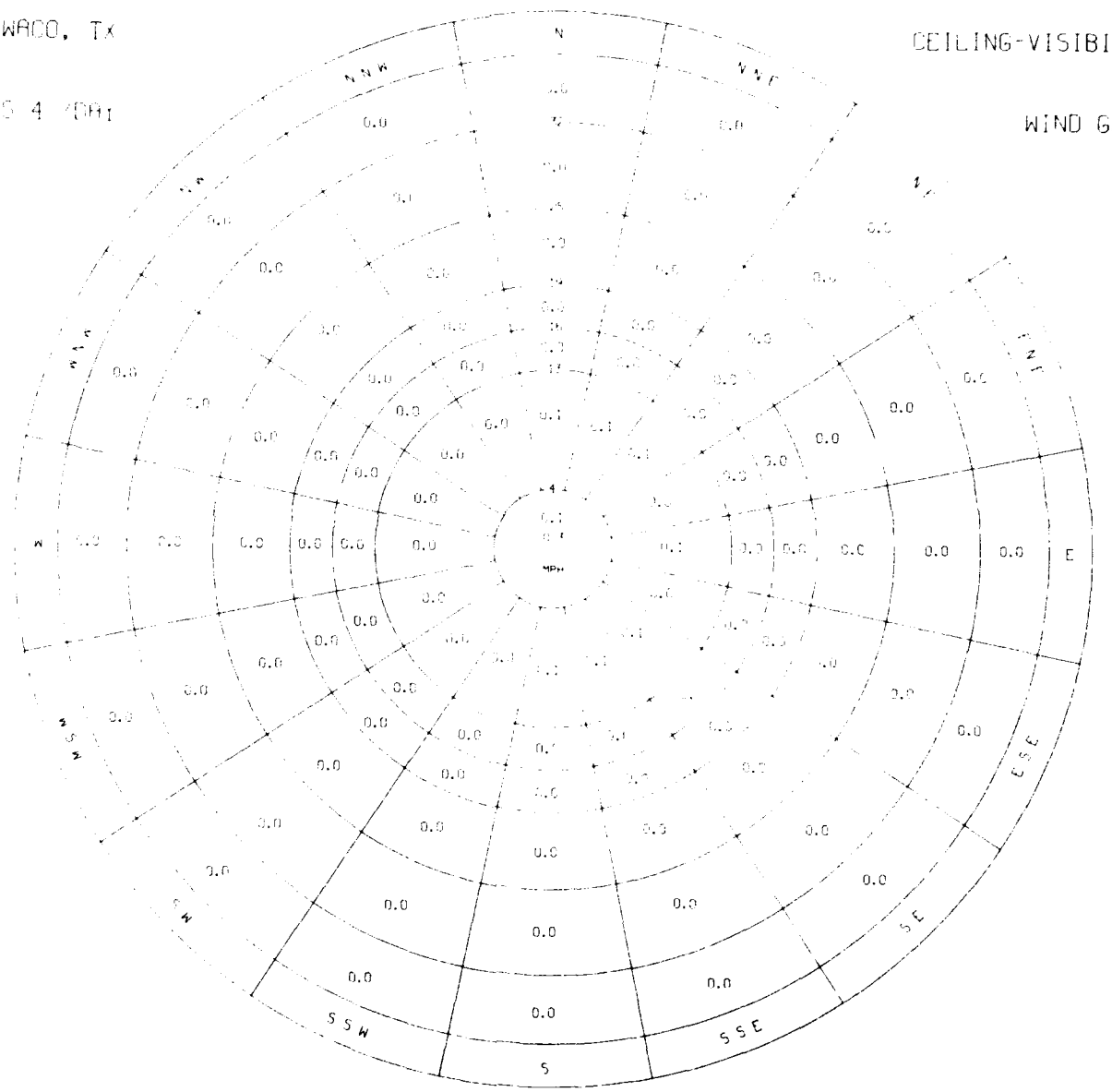
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.2	.5	5.5	.3	3.0	.2	2.1	.2	1.6	.0	.4	.0	.1	1.3	13.0	13.7
NNE	.0	.2	.3	3.1	.1	1.2	.1	.6	.0	.4	.0	.2	.0	.0	.5	5.6	11.9
NE	.0	.2	.3	2.8	.0	.4	.0	.2	.0	.2	.0	.0	.0	.0	.4	3.9	9.8
ENE	.0	.1	.2	1.8	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.2	2.2	9.1
E	.0	.2	.2	2.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.7	8.0
ESE	.0	.1	.2	2.2	.0	.4	.0	.1	.0	.1	.0	.0	.0	.0	.3	2.8	9.3
SE	.0	.2	.4	3.7	.2	1.9	.1	1.1	.0	.3	.0	.1	.0	.0	.7	7.3	11.9
SSE	.0	.3	.6	6.6	.4	4.6	.3	3.3	.1	1.5	.0	.2	.0	.0	1.6	16.5	13.5
S	.0	.2	.9	8.8	.6	5.8	.4	3.6	.2	2.0	.0	.1	.0	.0	2.0	20.6	13.3
SSW	.0	.1	.2	1.6	.0	.4	.0	.4	.0	.2	.0	.1	.0	.0	.3	2.6	11.8
SW	.0	.0	.1	.7	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	.9	10.2
WSW	.0	.1	.0	.3	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.1	.6	12.8
W	.0	.0	.1	.6	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	1.1	11.7
WNW	.0	.1	.1	1.0	.0	.3	.0	.2	.0	.3	.0	.1	.0	.0	.2	2.0	12.4
NW	.0	.1	.2	1.8	.1	1.2	.1	.9	.1	1.1	.0	.3	.0	.1	.5	5.5	15.1
NNW	.0	.2	.3	3.1	.2	2.0	.2	2.1	.2	2.2	.1	.7	.0	.1	1.0	10.4	15.7
CALM	.2	2.5													.2	2.5	
TOTAL	.5	4.8	4.4	45.5	2.1	21.9	1.5	15.0	1.0	10.2	.2	2.1	.0	.4	9.8	100	12.6

ACT WACO, TX

CLASS 4 (DAY)

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACT WACO, TX

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 13959

NO. OBS.: 459

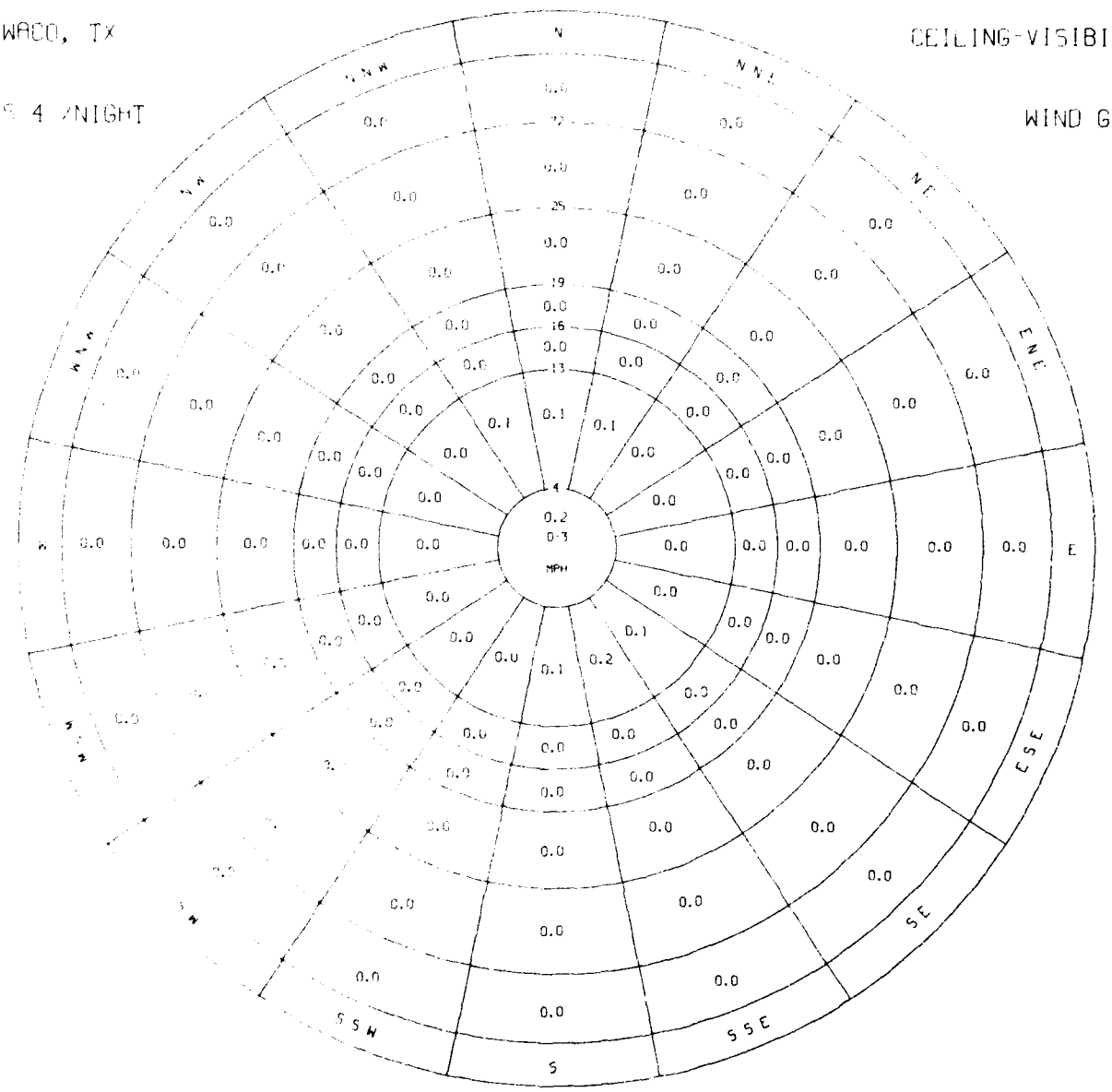
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.7	.1	6.5	.0	1.5	.0	1.7	.0	.2	.0	.2	.0	.2	.1	11.1	11.5
NNE	.0	.2	.1	5.4	.0	1.7	.0	.7	.0	.2	.0	.0	.0	.0	.1	8.3	9.9
NE	.0	.7	.1	6.3	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.3	8.2
ENE	.0	.2	.0	4.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	7.4
E	.0	.2	.1	5.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.9	7.3
ESE	.0	.0	.0	3.5	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	4.1	9.1
SE	.0	.9	.1	7.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.2	8.1
SSE	.0	.0	.1	7.6	.0	2.2	.0	.7	.0	.0	.0	.0	.0	.0	.1	10.5	10.5
S	.0	.4	.1	7.6	.0	1.5	.0	.7	.0	.0	.0	.0	.0	.0	.1	10.2	10.1
SSW	.0	.4	.0	3.3	.0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	4.1	8.5
SW	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	6.0
WSW	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.7	16.3
W	.0	.0	.0	.2	0	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.7	16.7
WNW	.0	.0	.0	1.1	.0	.4	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.7	11.0
NW	.0	.2	.0	2.6	.0	1.1	.0	.2	.0	.2	.0	.0	.0	.0	.0	4.4	11.5
NNW	.0	.2	.0	3.9	.0	3.5	.0	1.3	.0	2.4	.0	.7	.0	.0	.1	12.0	14.7
VRB	.0	3.9													.0	3.9	
	.0	8.1	.6	65.6	.2	15.7	.1	5.7	.0	3.3	.0	1.5	.0	.2	1.0	100	9.8

ACT WACO, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: A T WACO, TX

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 13959

NO. OBS.: 572

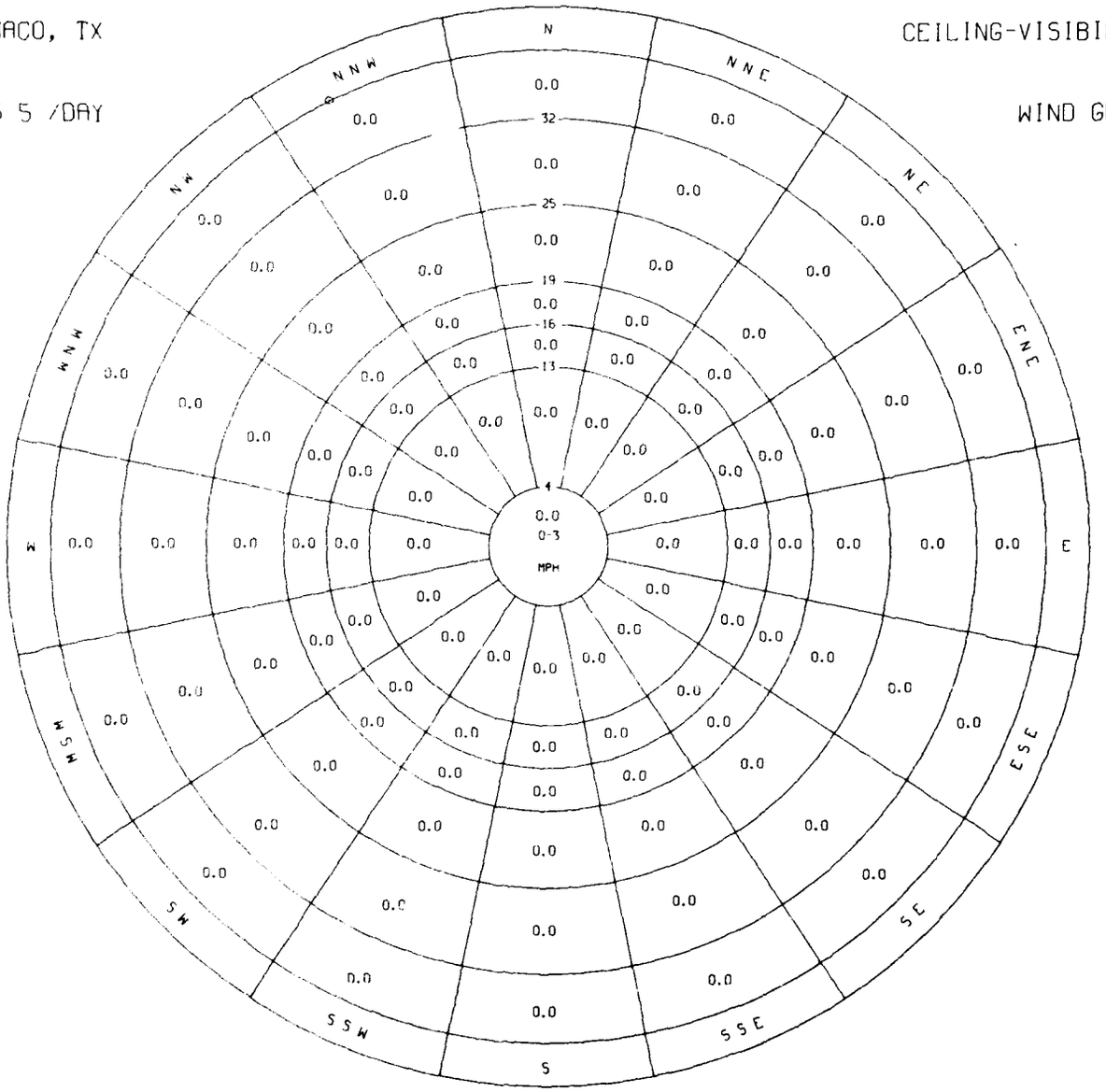
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.9	.1	8.6	.0	1.2	.0	.3	.0	.2	.0	.2	.0	.0	.2	11.4	9.3
NNE	.0	.5	.1	5.4	.0	1.6	.0	.9	.0	.0	.0	.0	.0	.0	.1	8.4	10.1
NE	.0	.7	.0	3.5	.0	.5	.0	.3	.0	.0	.0	.0	.0	.0	.1	5.1	8.4
ENE	.0	.3	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	6.8
E	.0	1.2	.0	3.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.9	6.4
ESE	.0	.5	.0	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.7	9.1
SE	.0	.9	.1	4.0	.0	1.0	.0	.0	.0	.2	.0	.2	.0	.0	.1	6.3	9.9
SSE	.0	.3	.2	10.7	.0	1.6	.0	.9	.0	.2	.0	.0	.0	.0	.2	13.6	9.7
S	.0	.3	.1	8.6	.0	2.3	.0	.7	.0	.3	.0	.0	.0	.0	.2	12.2	10.5
SSW	.0	.2	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	6.9
SW	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	5.4
WSW	.0	.2	.0	1.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	1.6	8.7
W	.0	.0	.0	.7	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.0	11.2
WNW	.0	.0	.0	.9	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	1.2	11.6
NW	.0	.2	.0	3.3	.0	.7	.0	.3	.0	.2	.0	.0	.0	.0	.1	4.7	10.2
NNW	.0	.3	.1	5.4	.0	3.5	.0	.9	.0	.9	.0	.2	.0	.0	.2	11.2	11.8
CALM	.1	7.3													.1	7.3	
TOTAL	.2	14.3	.9	64.2	.2	14.0	.1	4.7	.0	2.3	.0	.5	.0	.0	1.4	100	8.9

ACT WACO, TX

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ALT WACO, TX

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 13959

NO. OBS.: 93

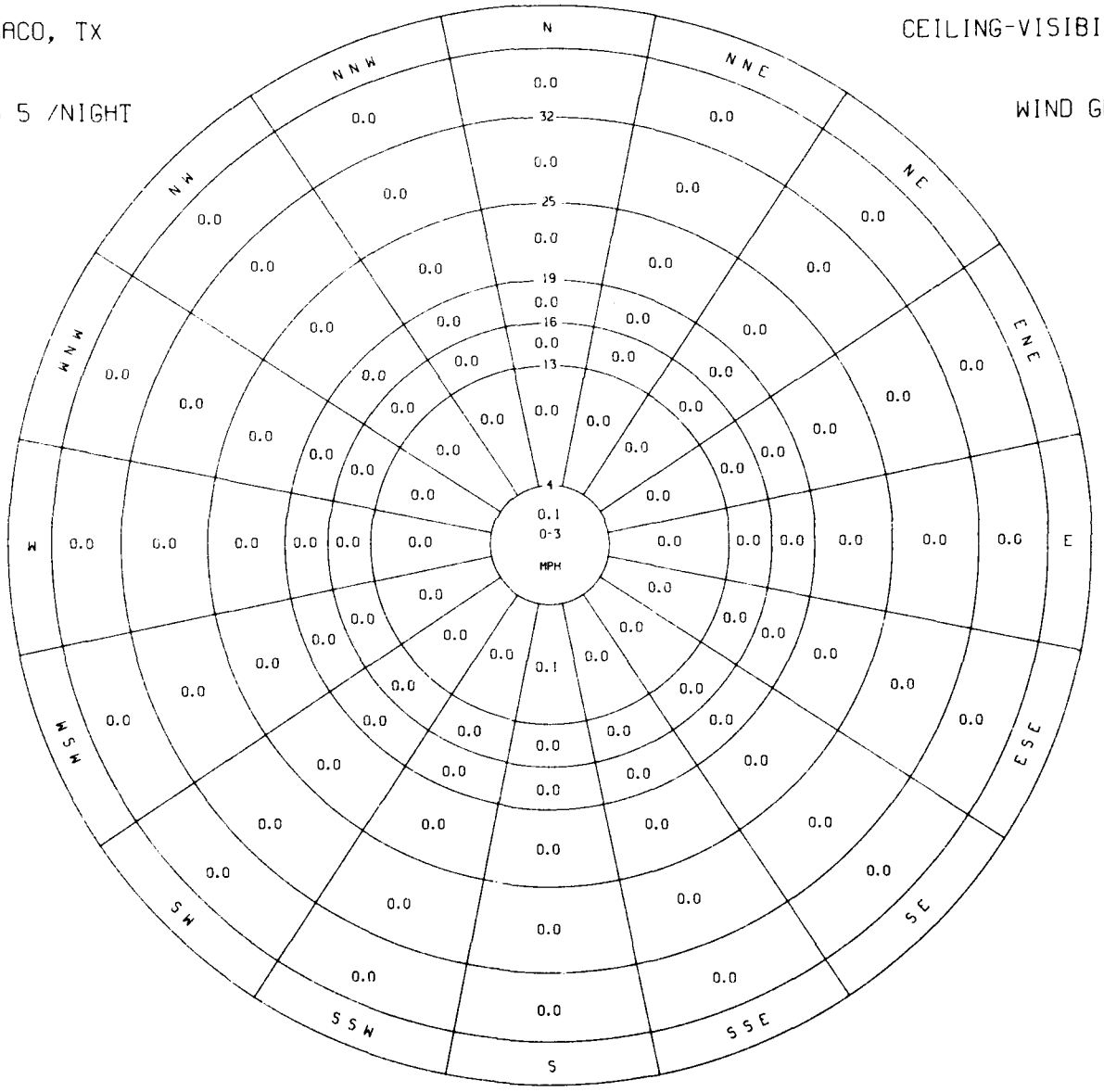
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	7.5	.0	1.1	.0	2.2	.0	.0	.0	1.1	.0	.0	.0	11.8	12.4
N N E	.0	1.1	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.6
N E	.0	.0	.0	3.2	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	8.3
E N E	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.5
E	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	8.0
E S E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S E	.0	.0	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	6.8
S S E	.0	.0	.0	10.8	.0	5.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	17.2	10.6
S	.0	1.1	.0	7.5	.0	1.1	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	11.8	11.7
S S W	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	9.0
S W	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.0
W S W	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	5.5
W	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	3.0
W N W	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	2.2	17.0
N W	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	2.2	24.0
N N W	.0	.0	.0	3.2	.0	1.1	.0	2.2	.0	.0	.0	1.1	.0	.0	.0	7.5	14.4
C A L M	.0	15.1													.0	15.1	
T O T A L	.0	19.4	.1	59.1	.0	9.7	.0	6.5	.0	.0	.0	4.3	.0	1.1	.2	100	8.9

ACT WACO, TX

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACT WACO, TX

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 13959

NO. OBS.: 174

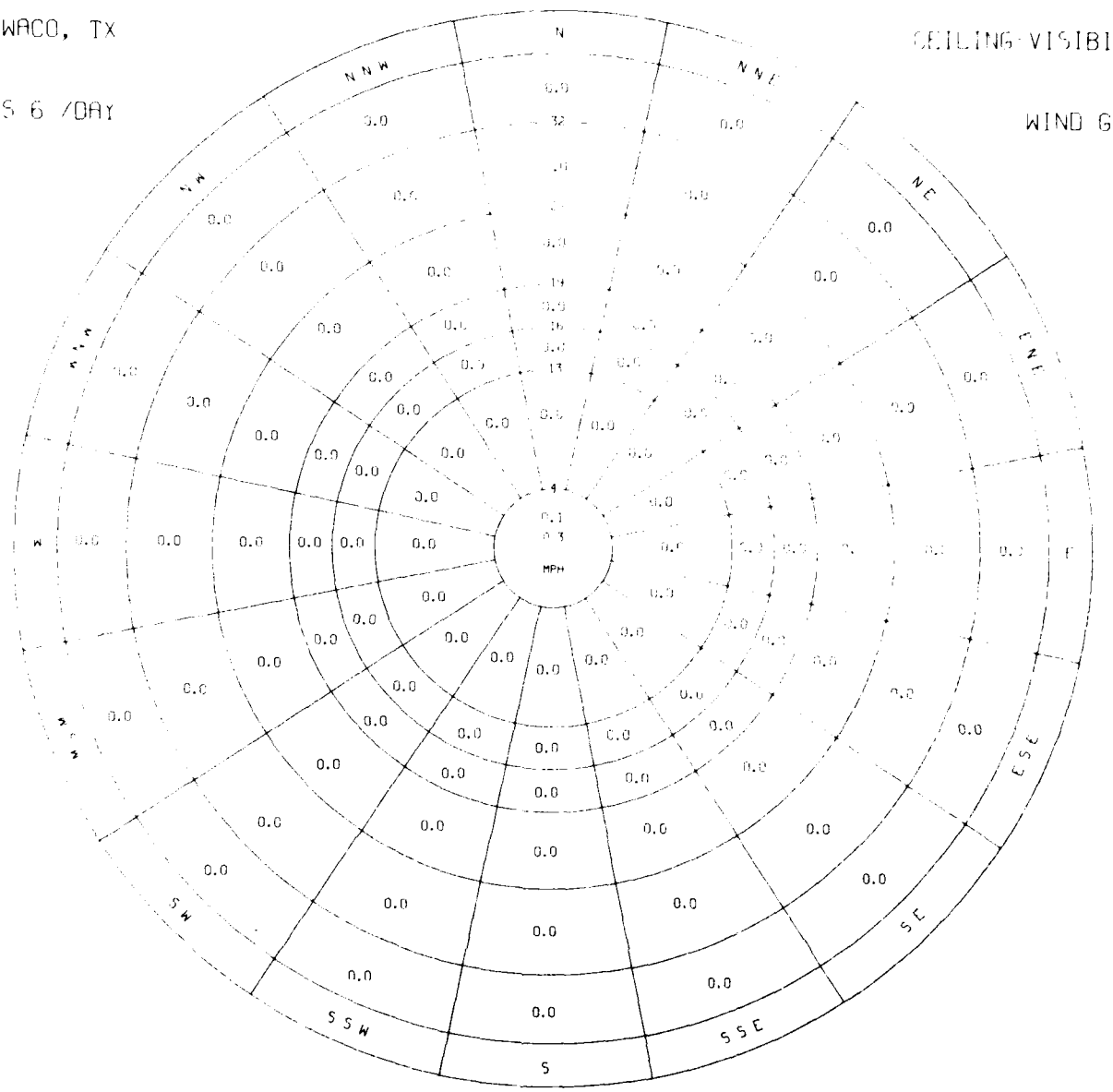
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	8.0	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	9.8	10.2
NNE	.0	1.1	.0	2.3	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	4.6	7.2
NE	.0	.6	.0	4.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	5.7	8.4
ENE	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	6.5
E	.0	.0	.0	9.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	8.0
ESE	.0	.6	.0	6.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	7.0
SE	.0	.0	.0	9.8	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.9	7.8
SSE	.0	.6	.0	8.0	.0	1.7	.0	.6	.0	.0	.0	.0	.0	.0	.0	10.9	9.8
S	.0	.6	.1	13.2	.0	2.3	.0	.0	.0	.6	.0	.0	.0	.0	.1	16.7	9.6
SSW	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	9.7
SW	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	9.5
WSW	.0	.6	.0	1.7	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	2.9	7.2
W	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	10.0
WNW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	8.0
NW	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	12.0
NNW	.0	.6	.0	5.7	.0	1.1	.0	.6	.0	.0	.0	.0	.0	.0	.0	8.0	9.1
CALM	.0	7.5													.0	7.5	
TOTAL	.1	12.1	.3	74.1	.0	9.8	.0	3.4	.0	.6	.0	.0	.0	.0	.4	100	8.1

ACT WACO, TX

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ACT WACO, TX

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 13959

NO. OBS.: 109

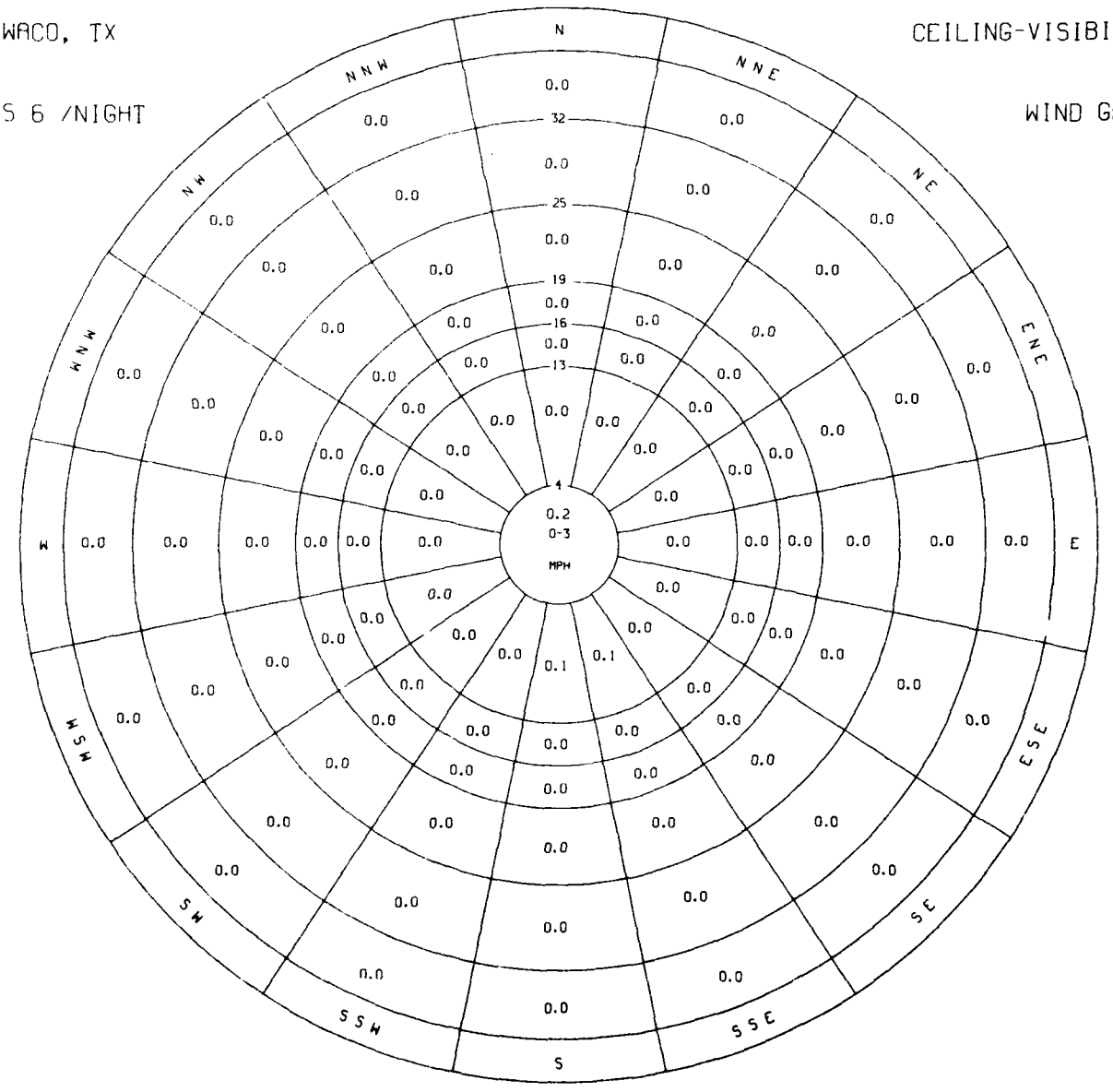
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.9	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	7.7
NNE	.0	.9	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	5.2
NE	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	7.0
ENE	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7	6.5
E	.0	2.8	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	4.5
ESE	.0	1.8	.0	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.2	6.3
SE	.0	2.8	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	5.7
SSE	.0	.0	.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.0	7.8
S	.0	2.8	.0	13.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.5	8.1
SSW	.0	.9	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	6.0
SW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	9.0
WSW	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	7.0
W	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9	28.0
NW	.0	3.7	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.4	5.0
NNW	.0	.9	.0	1.8	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	4.6	10.6
CALM	.0	17.4													.0	17.4	
TOTAL	.1	34.9	.1	62.4	.0	.9	.0	.0	.0	.9	.0	.9	.0	.0	.2	100	5.9

ACT WACO, TX

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] WACO, Tx

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 13959

NO. OBS.: 255

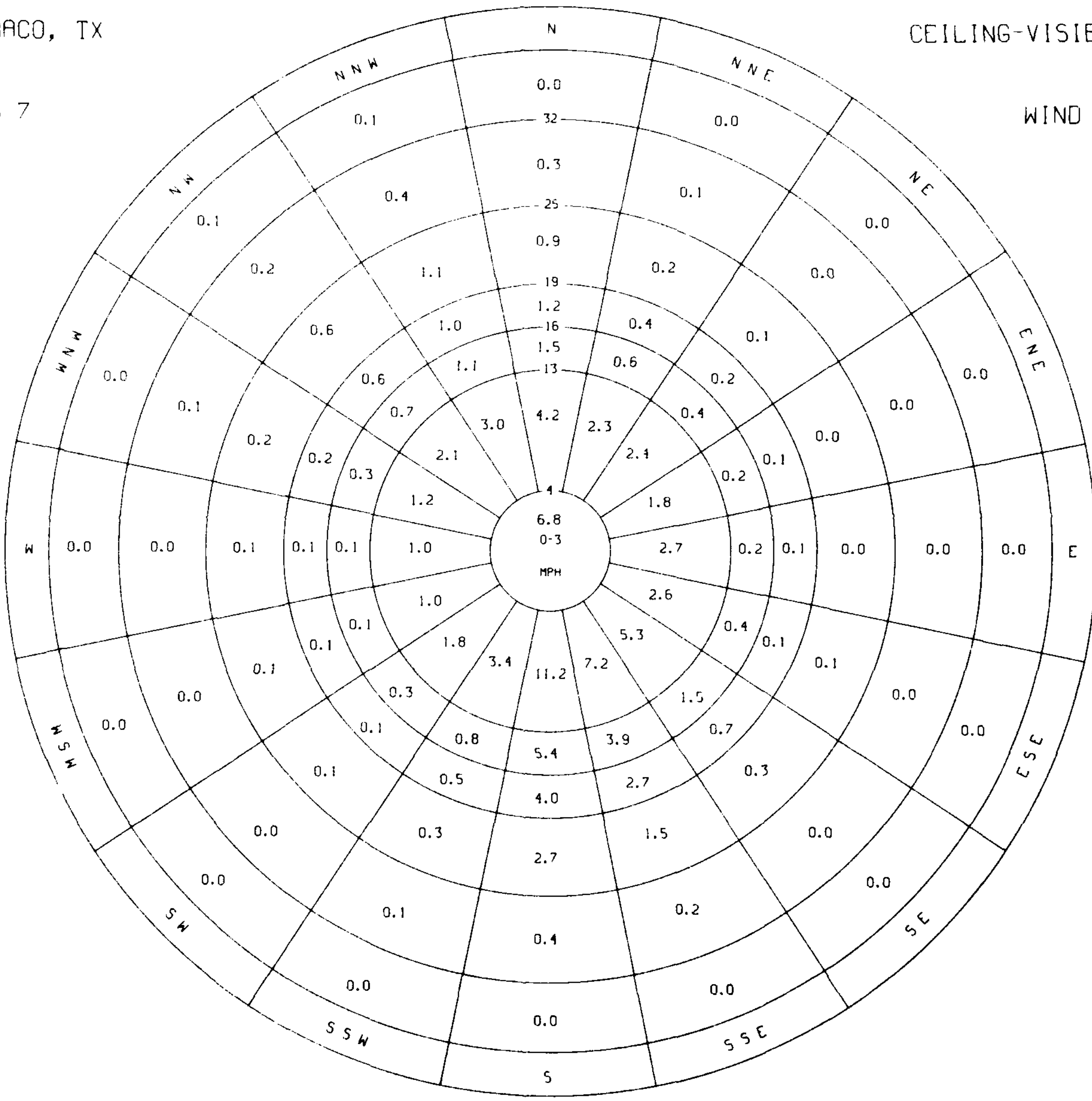
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.8	.0	5.5	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.1	8.6	9.0
NNE	.0	.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.7
NE	.0	3.1	.0	3.1	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	7.1	6.1
ENE	.0	1.2	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	5.5
E	.0	.4	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	5.3
ESE	.0	.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.1
SE	.0	2.7	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	8.6	5.8
SSE	.0	1.2	.1	9.0	.0	1.6	.0	.4	.0	.0	.0	.0	.0	.0	.1	12.2	9.2
S	.0	.8	.1	9.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	11.0	8.4
SSW	.0	.8	.0	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.5	7.3
SW	.0	1.6	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.8	6.9
WSW	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	5.5
W	.0	.4	.0	2.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	6.6
WNW	.0	.8	.0	1.2	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	2.4	6.5
NW	.0	.4	.0	3.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	8.1
NNW	.0	.8	.0	2.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.0	4.3	9.6
CALM	.1	13.3													.1	13.3	
TOTAL	.2	29.4	.4	62.4	.0	5.9	.0	1.6	.0	.4	.0	.0	.0	.4	.6	100	6.5

ACT WACO, TX

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

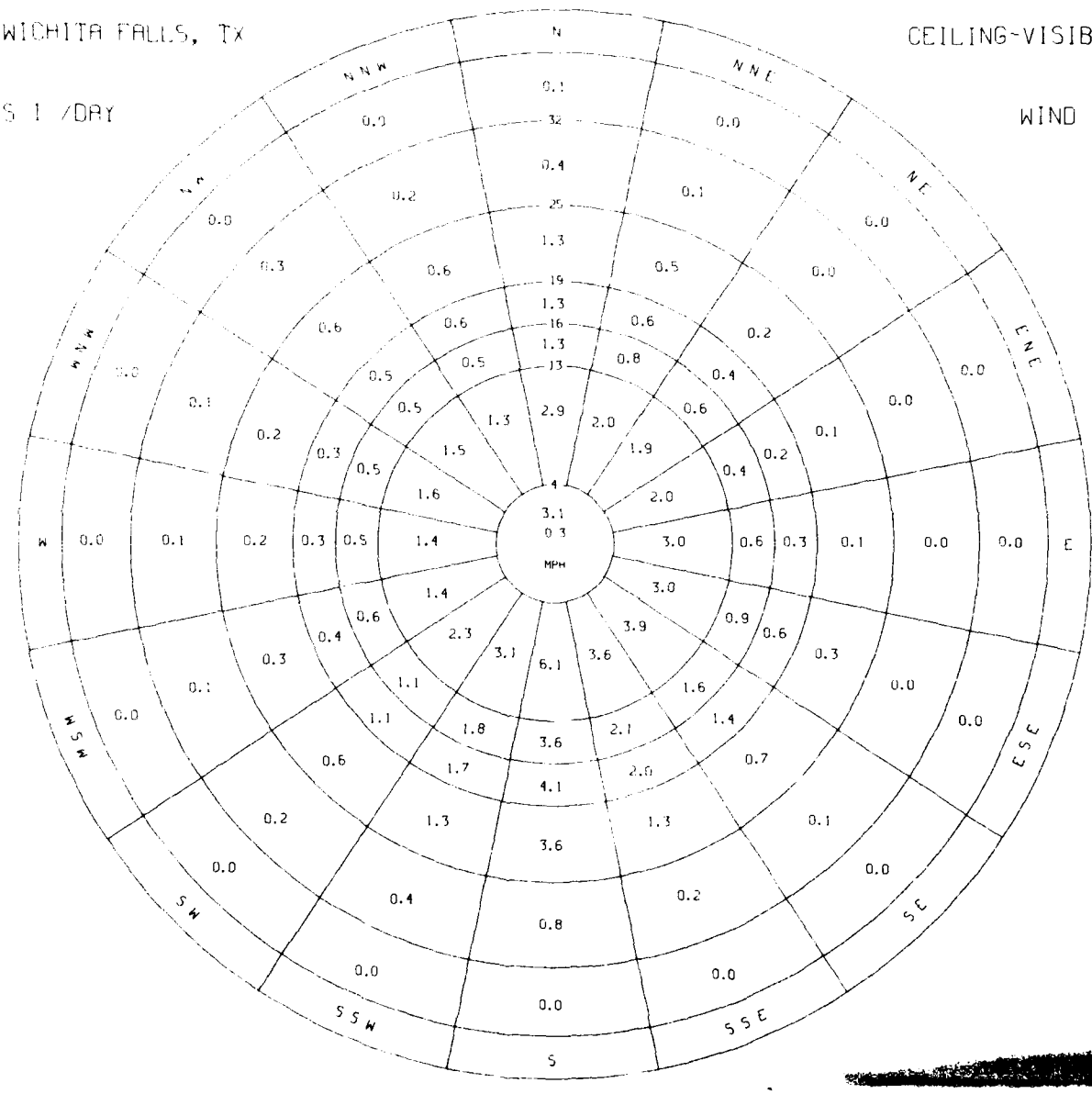


SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 1 /DAY

WIND GRAPH



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CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] WICHITA FALLS, TX

PERIOD: 1961-197

CLASS 1 / DAY

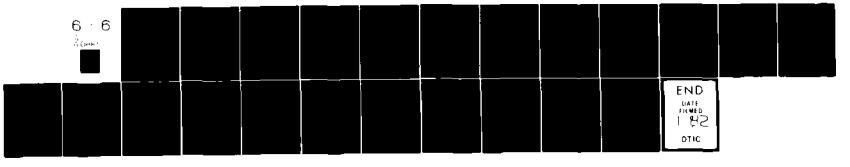
STATION NUMBER: 13966

NO. OBS.: 2656

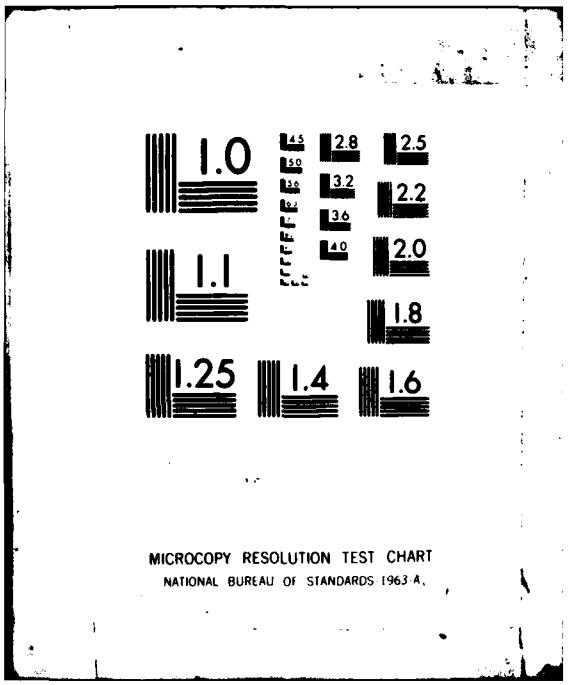
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.2	.2	2.9	3.1	1.3	1.4	1.3	1.4	1.3	1.4	.4	.4	.1	.1	7.4	8.0	14.3
NNE	.1	.1	2.0	2.2	.8	.9	.6	.6	.5	.6	.1	.1	.0	.0	4.1	4.4	12.8
NE	.1	.2	1.9	2.0	.6	.7	.4	.4	.2	.2	.0	.0	.0	.0	3.3	3.5	11.1
ENE	.2	.2	2.0	2.2	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	2.9	3.1	9.5
E	.2	.2	3.0	3.3	.6	.7	.3	.3	.1	.2	.0	.0	.0	.0	4.3	4.6	10.0
ESE	.1	.1	3.0	3.2	.9	1.0	.6	.6	.3	.3	.0	.0	.0	.0	4.9	5.3	11.1
SE	.1	.1	3.9	4.2	1.6	1.8	1.4	1.5	.7	.8	.1	.2	.0	.0	7.9	8.5	12.7
SSE	.1	.1	3.6	3.9	2.1	2.2	2.0	2.2	1.3	1.4	.2	.3	.0	.0	9.4	10.1	14.0
S	.1	.1	6.1	6.5	3.6	3.9	4.1	4.4	3.6	3.8	.8	.8	.0	.0	18.4	19.8	15.1
SSW	.1	.1	3.1	3.3	1.8	2.0	1.7	1.8	1.3	1.4	.4	.4	.0	.0	8.4	9.0	14.5
SW	.1	.1	2.3	2.5	1.1	1.2	1.1	1.1	.6	.7	.2	.2	.0	.0	5.5	5.9	13.5
WSW	.1	.1	1.4	1.5	.6	.7	.4	.4	.3	.3	.1	.1	.0	.0	2.9	3.1	12.7
W	.1	.1	1.4	1.5	.5	.5	.3	.3	.2	.2	.1	.1	.0	.0	2.6	2.8	12.5
WNW	.1	.2	1.6	1.7	.5	.5	.3	.3	.2	.3	.1	.2	.0	.0	3.0	3.2	12.1
NW	.1	.1	1.5	1.6	.5	.6	.5	.6	.6	.6	.3	.3	.0	.1	3.6	3.9	14.3
NNW	.1	.1	1.3	1.4	.5	.6	.6	.6	.6	.6	.2	.2	.0	.0	3.3	3.6	14.3
CALM	1.3	1.4													1.3	1.4	
TOTAL	3.1	3.3	41.3	44.3	17.7	19.0	15.7	16.9	12.0	12.8	3.1	3.3	.4	.4	93.2	101	13.2

AD-A108 165 NATIONAL CLIMATIC CENTER ASHEVILLE NC F/G 4/2
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME V--ETC(U)
JUN 81 DOT-FA79WAI-057

UNCLASSIFIED NL



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DATE FILMED
1 82
DTIC

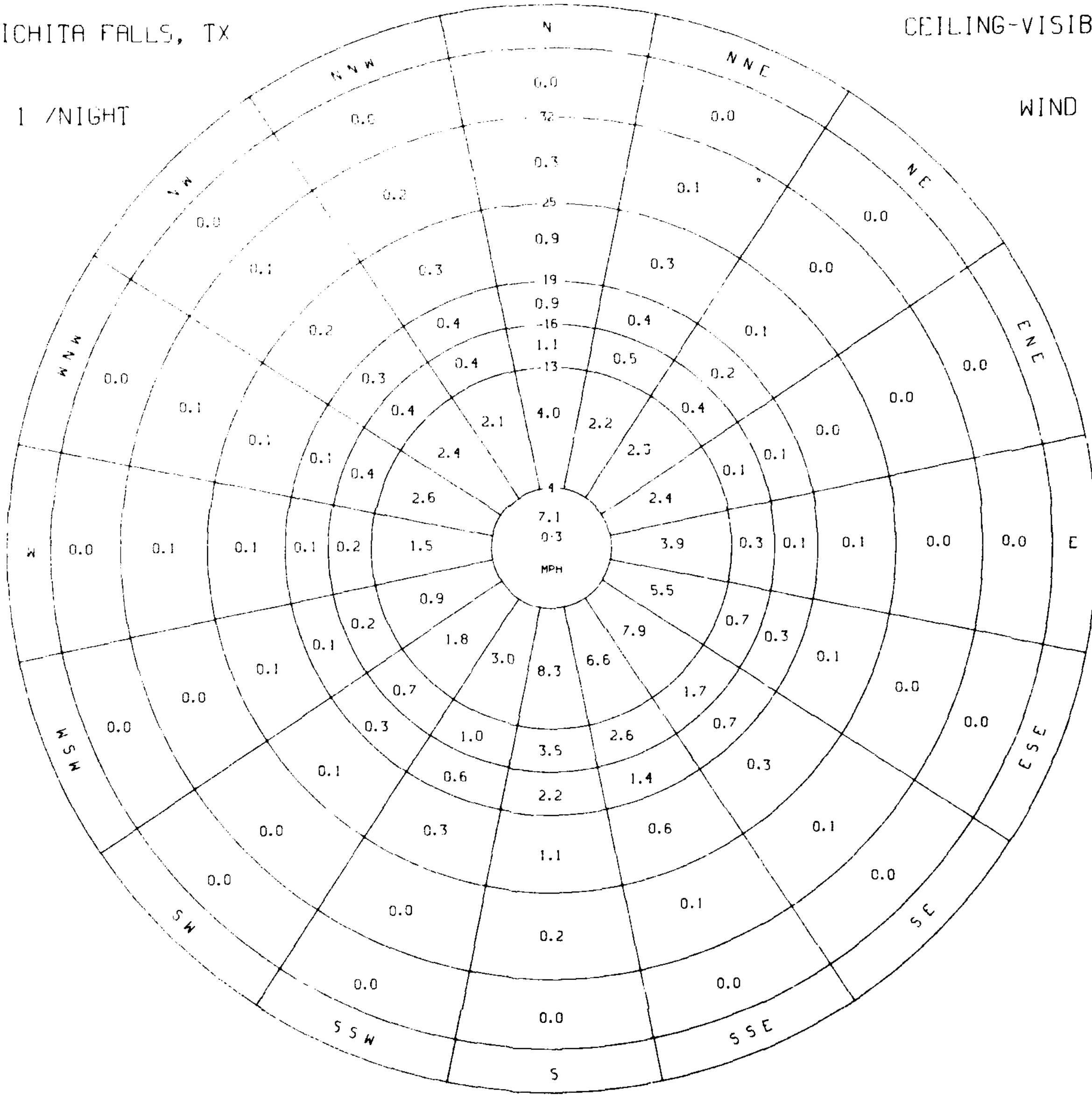

1.0
1.1
1.25
1.4
1.6
1.8
2.0
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3.2
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4.0
4.5
5.0
5.6
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

SPS WICHITA FALLS, TX

CLASS 1 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SPS WICHITA FALLS, TX

PERIOD: 1961-1978

CLASS 1 / NIGHT

STATION NUMBER: 13966

NO. OBS.: 22401

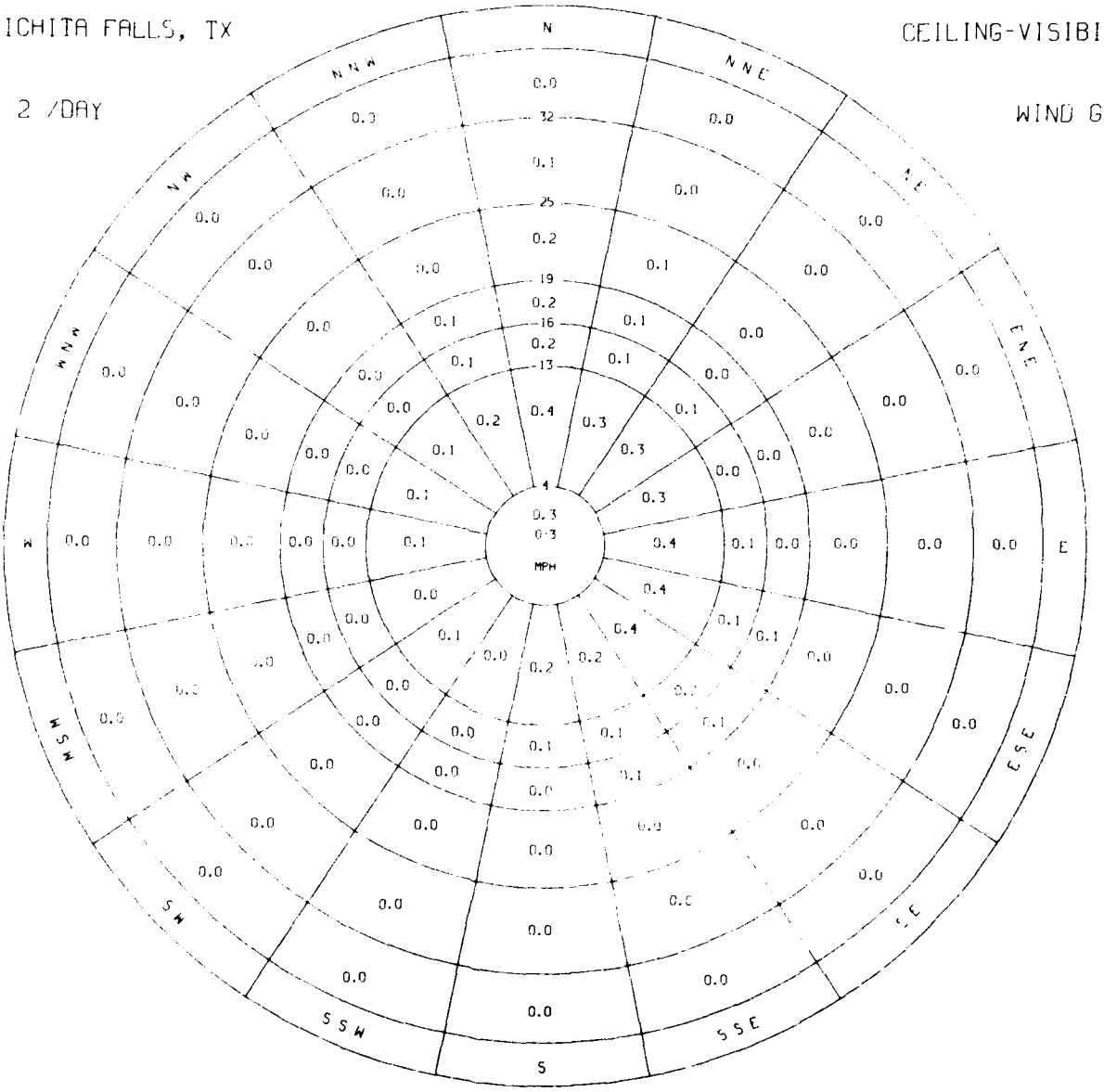
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.3	.3	4.0	4.3	1.1	1.2	.9	1.0	.9	.9	.3	.3	.0	.0	7.5	8.1	12.3
NNE	.3	.3	2.2	2.4	.5	.6	.4	.4	.3	.3	.1	.1	.0	.0	3.8	4.1	11.1
NE	.3	.4	2.3	2.5	.4	.4	.2	.2	.1	.1	.0	.0	.0	.0	3.3	3.6	8.7
ENE	.3	.4	2.4	2.5	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	2.9	3.1	7.1
E	.5	.6	3.9	4.2	.3	.3	.1	.2	.1	.1	.0	.0	.0	.0	4.9	5.3	7.9
ESE	.3	.3	5.5	5.9	.7	.8	.3	.3	.1	.1	.0	.0	.0	.0	6.9	7.4	9.0
SE	.2	.3	7.3	8.5	1.7	1.8	.7	.8	.3	.3	.1	.1	.0	.0	10.9	11.7	10.2
SSE	.2	.2	6.6	7.1	2.6	2.8	1.4	1.5	.6	.6	.1	.1	.0	.0	11.4	12.3	11.8
S	.2	.2	8.3	9.0	3.5	3.8	2.2	2.4	1.1	1.2	.2	.2	.0	.0	15.6	16.8	12.2
SSW	.1	.2	3.0	3.2	1.0	1.1	.6	.6	.3	.3	.0	.0	.0	.0	5.1	5.5	11.4
SW	.1	.1	1.8	1.9	.7	.7	.3	.3	.1	.1	.0	.0	.0	.0	2.9	3.1	10.8
WSW	.1	.1	.9	1.0	.2	.2	.1	.1	.1	.1	.0	.0	.0	.0	1.5	1.6	10.3
W	.1	.1	1.5	1.6	.2	.2	.1	.2	.1	.1	.1	.1	.0	.0	2.1	2.3	10.3
WNW	.1	.2	2.6	2.8	.4	.4	.1	.2	.1	.1	.1	.1	.0	.0	3.5	3.8	10.0
NW	.2	.2	2.4	2.5	.4	.4	.3	.3	.2	.2	.1	.1	.0	.0	3.6	3.9	10.6
NNW	.2	.2	2.1	2.3	.4	.4	.4	.4	.3	.3	.2	.2	.0	.0	3.6	3.8	11.7
CALM	3.4	3.7													3.4	3.7	
TOTAL	7.1	7.6	57.4	61.8	14.2	15.3	8.2	8.8	4.6	4.9	1.2	1.3	.2	.2	93.0	100	10.4

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 2 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] WICHITA FALLS, TX

PERIOD: 1961-1978

CLASS 2 / DAY

STATION NUMBER: [illegible]

NO. OBS.: 1930

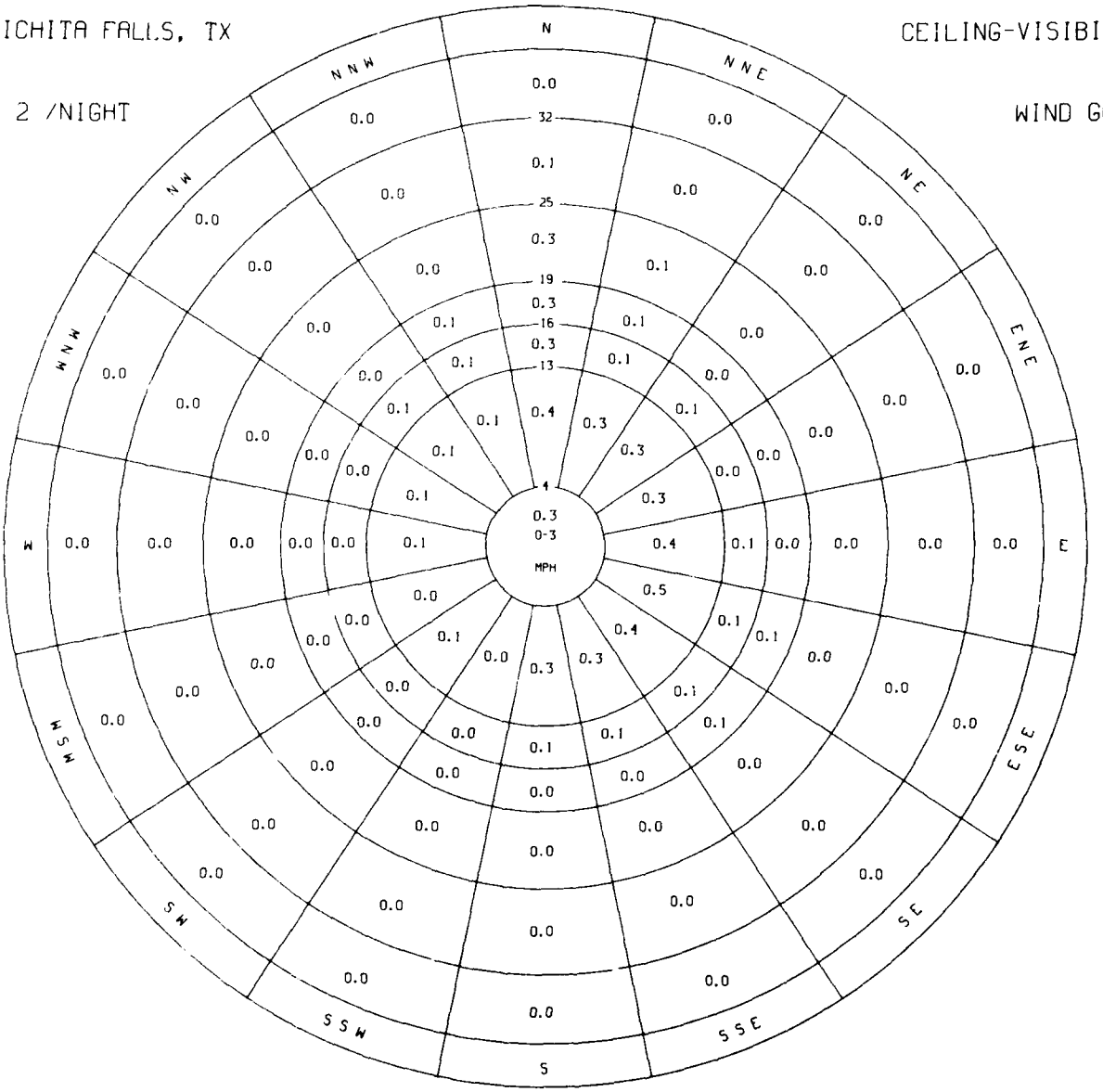
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.4	6.6	.2	3.2	.2	3.3	.2	2.8	.1	1.1	.0	.3	1.2	17.6	15.0
NNE	.0	.2	.3	4.4	.1	1.6	.1	1.6	.1	.9	.0	.3	.0	.0	.6	8.9	13.0
NE	.0	.2	.3	4.8	.1	1.3	.0	.5	.0	.5	.0	.1	.0	.0	.5	7.4	11.1
ENE	.0	.3	.3	4.0	.0	.7	.0	.3	.0	.2	.0	.0	.0	.0	.4	5.5	9.5
E	.0	.2	.4	6.4	.1	1.0	.0	.6	.0	.3	.0	.1	.0	.1	.6	8.4	10.1
ESE	.0	.2	.4	6.2	.1	1.5	.1	1.2	.0	.5	.0	.1	.0	.0	.6	9.6	11.2
SE	.0	.1	.4	5.2	.2	2.2	.1	1.6	.0	.5	.0	.0	.0	.0	.6	9.6	11.9
SSE	.0	.2	.2	2.8	.1	1.9	.1	1.0	.0	.7	.0	.2	.0	.0	.5	6.7	13.1
S	.0	.1	.2	3.5	.1	1.5	.0	.7	.0	.4	.0	.1	.0	.1	.4	6.3	12.4
SSW	.0	.1	.0	.7	.0	.3	.0	.2	.0	.1	.0	.0	.0	.0	.1	1.4	11.9
SW	.0	.1	.1	1.1	.0	.2	.0	.0	.0	.1	.0	.0	.0	.1	.1	1.5	10.7
WSW	.0	.0	.0	.5	.0	.3	.0	.1	.0	.1	.0	.1	.0	.1	.1	1.0	14.3
W	.0	.0	.1	1.2	.0	.1	.0	.2	.0	.2	.0	.1	.0	.1	.1	1.8	13.3
WNW	.0	.2	.1	1.3	.0	.3	.0	.4	.0	.1	.0	.1	.0	.1	.2	2.5	12.0
NW	.0	.0	.1	1.9	.0	.7	.0	.4	.0	.5	.0	.1	.0	.3	.3	3.8	14.3
NNW	.0	.2	.2	2.3	.1	1.0	.1	1.0	.0	.6	.0	.5	.0	.1	.4	5.7	14.3
CALM	.2	2.4													.2	2.4	
TOTAL	.3	4.5	3.6	52.9	1.2	17.6	.9	13.1	.6	8.3	.2	2.6	.1	1.0	6.8	100	12.2

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 2 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SPS WICHITA FALLS, TX

PERIOD: 1961-1978

CLASS 2 / NIGHT

STATION NUMBER: 13966

NO. OBS.: 1696

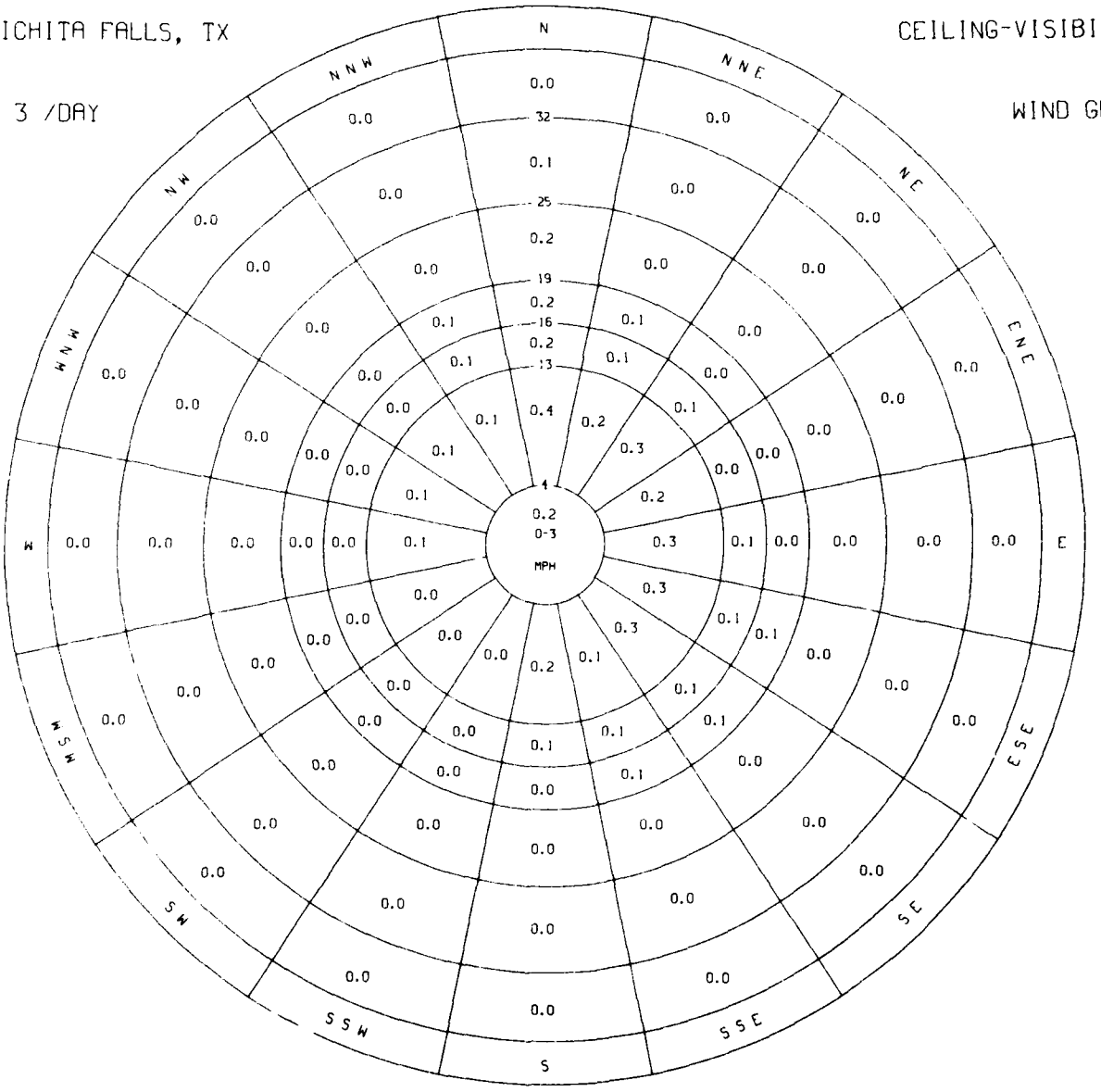
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.4	6.3	.3	4.1	.3	3.8	.3	3.7	.1	.8	.0	.4	1.4	19.3	15.1
NNE	.0	.1	.3	4.5	.1	2.1	.1	2.0	.1	1.5	.0	.2	.0	.1	.7	10.6	13.7
NE	.0	.2	.3	4.0	.1	1.4	.0	.6	.0	.1	.0	.1	.0	.0	.5	6.4	10.6
ENE	.0	.3	.3	4.4	.0	.5	.0	.1	.0	.1	.0	.0	.0	.0	.4	5.4	8.5
E	.0	.5	.4	5.7	.1	.9	.0	.5	.0	.2	.0	.0	.0	.0	.5	7.7	9.4
ESE	.0	.3	.5	6.8	.1	1.1	.1	.9	.0	.3	.0	.1	.0	.0	.7	9.5	10.2
SE	.0	.1	.4	5.6	.1	1.8	.1	1.4	.0	.3	.0	.1	.0	.0	.6	9.2	11.4
SSE	.0	.0	.3	4.0	.1	.9	.0	.5	.0	.2	.0	.0	.0	.0	.4	5.5	10.9
S	.0	.3	.3	4.5	.1	.9	.0	.7	.0	.2	.0	.0	.0	.0	.5	6.6	10.1
SSW	.0	.1	.0	.7	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.1	1.3	10.7
SW	.0	.0	.1	1.2	.0	.1	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.5	9.6
WSW	.0	.1	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.7	10.3
W	.0	.0	.1	1.3	.0	.2	.0	.2	.0	.2	.0	.0	.0	.0	.1	1.8	10.8
WNW	.0	.1	.1	1.8	.0	.5	.0	.4	.0	.3	.0	.1	.0	.0	.2	3.1	12.1
NW	.0	.1	.1	1.8	.1	.9	.0	.5	.0	.4	.0	.2	.0	.0	.3	4.0	13.3
NNW	.0	.4	.1	1.9	.1	1.1	.1	1.2	.0	.4	.0	.3	.0	.0	.4	5.4	13.0
CALM	.1	1.9													.1	1.9	
TOTAL	.3	4.7	3.9	55.1	1.2	16.7	.9	12.9	.6	8.3	.1	1.9	.0	.4	7.0	100	11.7

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 3 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SPS WICHITA FALLS, TX

PERIOD: 1961-1978

CLASS 3 / DAY

STATION NUMBER: 13966

NO. OBS.: 1576

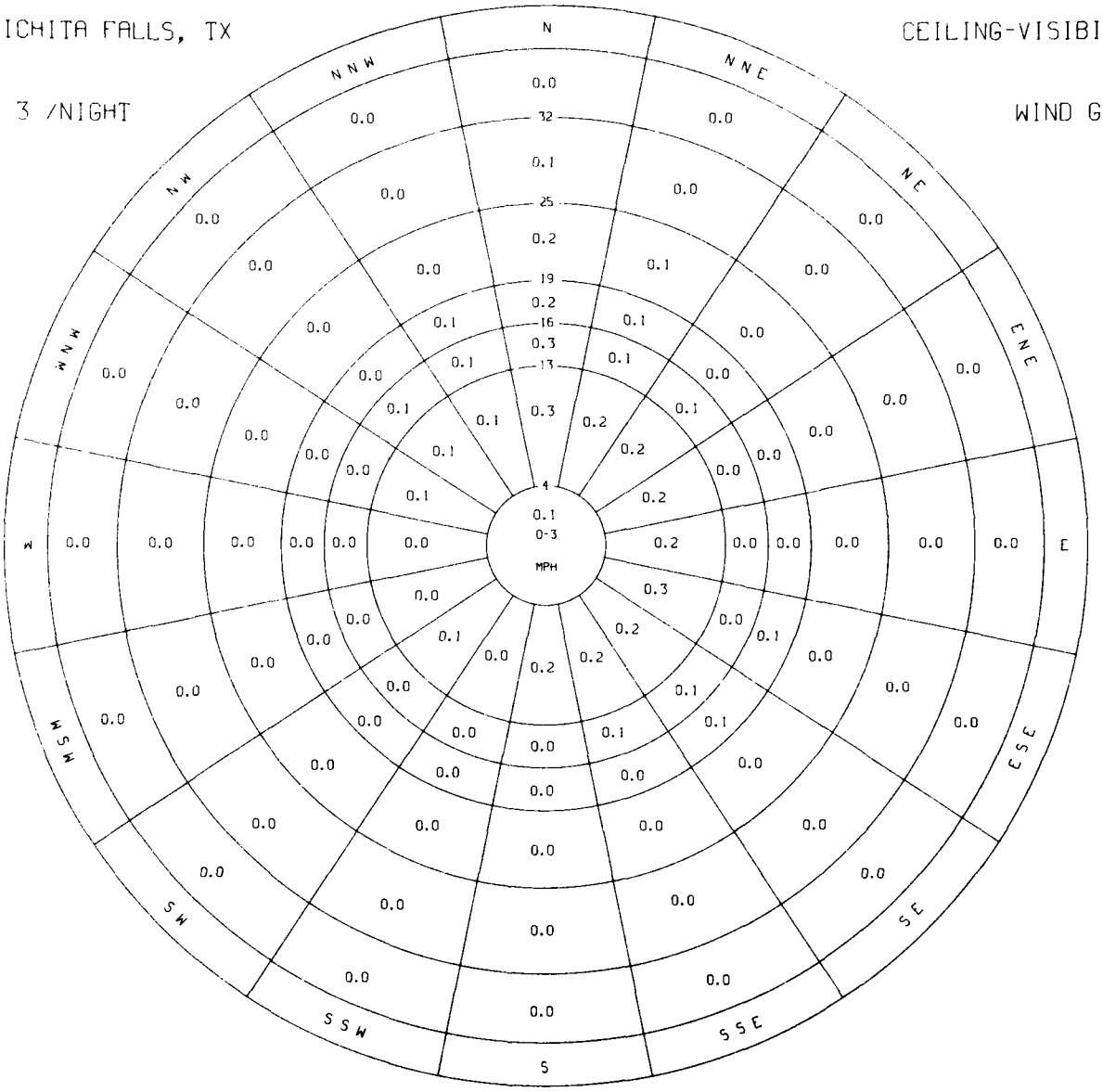
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.2	.4	6.9	.2	3.6	.2	3.7	.2	2.9	.1	1.2	.0	.3	1.0	18.7	14.9
NNE	.0	.3	.2	4.4	.1	1.8	.1	1.5	.0	.8	.0	.3	.0	.0	.5	9.1	13.0
NE	.0	.3	.3	4.8	.1	1.3	.0	.5	.0	.6	.0	.1	.0	.0	.4	7.5	11.2
ENE	.0	.2	.2	3.4	.0	.6	.0	.4	.0	.2	.0	.0	.0	.0	.3	4.8	10.2
E	.0	.1	.3	6.1	.1	1.0	.0	.5	.0	.1	.0	.1	.0	.1	.4	7.9	10.1
ESE	.0	.2	.3	5.6	.1	1.2	.1	1.3	.0	.5	.0	.1	.0	.0	.5	8.9	11.5
SE	.0	.1	.3	4.9	.1	2.3	.1	1.4	.0	.5	.0	.0	.0	.0	.5	9.1	12.1
SSE	.0	.2	.1	2.5	.1	2.1	.1	1.1	.0	.8	.0	.2	.0	.0	.4	7.0	13.6
S	.0	.1	.2	3.6	.1	1.6	.0	.9	.0	.5	.0	.1	.0	.1	.4	6.8	12.8
SSW	.0	.1	.0	.5	.0	.4	.0	.3	.0	.1	.0	.0	.0	.0	.1	1.3	12.6
SW	.0	.1	.0	.9	.0	.2	.0	.0	.0	.1	.0	.0	.0	.1	.1	1.3	11.6
WSW	.0	.0	.0	.5	.0	.3	.0	.1	.0	.1	.0	.1	.0	.1	.1	1.1	14.0
W	.0	.0	.1	1.0	.0	.0	.0	.1	.0	.3	.0	.1	.0	.0	.1	1.5	13.6
WNW	.0	.2	.1	1.2	.0	.3	.0	.5	.0	.1	.0	.1	.0	.1	.1	2.6	12.7
NW	.0	.0	.1	2.0	.0	.8	.0	.4	.0	.6	.0	.1	.0	.3	.2	4.2	14.9
NNW	.0	.1	.1	2.6	.1	1.2	.1	1.2	.0	.8	.0	.4	.0	.0	.3	6.3	14.2
CALM	.1	1.8													.1	1.8	
TOTAL	.2	3.7	2.8	50.8	1.0	18.7	.8	14.0	.5	8.9	.2	2.9	.1	1.0	5.5	100	12.6

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 3 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SPS WICHITA FALLS, Tx

PERIOD: 1961-1978

CLASS 3 / NIGHT

STATION NUMBER: 13966

NO. OBS.: 1195

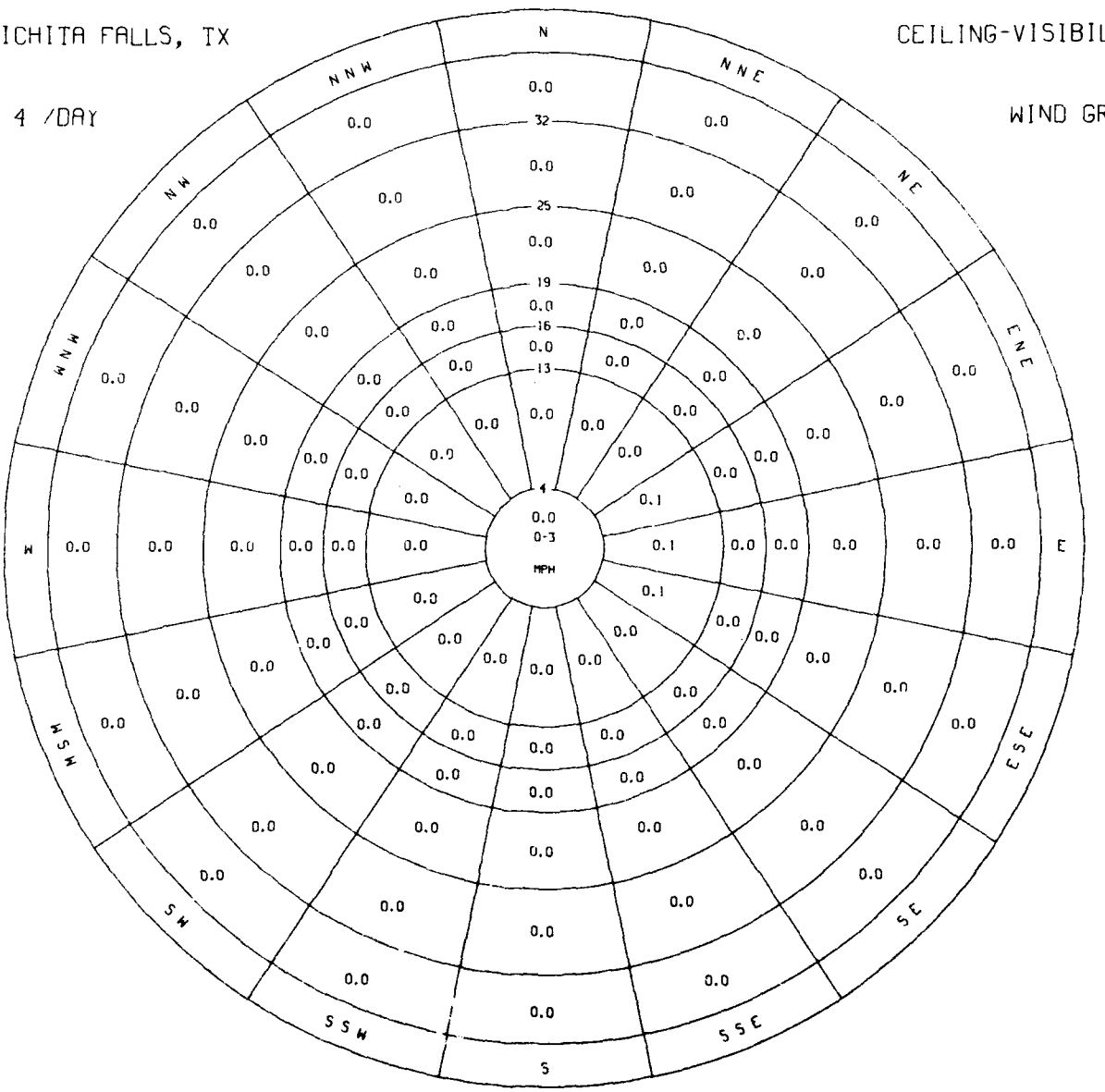
DIR	SPEED GROUPS (MPH)														AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.1	.3	6.6	.3	5.3	.2	4.9	.2	4.9	.1	1.2	.0	.4	1.2	23.4	15.7
NNE	.0	.1	.2	4.4	.1	2.9	.1	2.5	.1	2.0	.0	.3	.0	.1	.6	12.2	14.5
NE	.0	.2	.2	3.3	.1	1.7	.0	.8	.0	.2	.0	.1	.0	.0	.3	6.2	11.5
ENE	.0	.3	.2	3.4	.0	.7	.0	.2	.0	.1	.0	.0	.0	.0	.2	4.6	9.1
E	.0	.2	.2	4.9	.0	1.0	.0	.4	.0	.3	.0	.0	.0	.0	.3	6.7	10.0
ESE	.0	.2	.3	5.9	.0	.9	.1	1.1	.0	.3	.0	.1	.0	.0	.4	8.5	10.5
SE	.0	.1	.2	4.4	.1	1.6	.1	1.2	.0	.4	.0	.1	.0	.0	.4	7.7	12.1
SSE	.0	.0	.2	3.7	.1	1.1	.0	.5	.0	.3	.0	.0	.0	.0	.3	5.5	11.2
S	.0	.1	.2	4.3	.0	1.0	.0	.9	.0	.2	.0	.0	.0	.0	.3	6.4	10.7
SSW	.0	.2	.0	.9	.0	.2	0	.2	.0	.2	.0	.0	.0	.0	.1	1.6	10.2
SW	.0	.0	.1	1.1	.0	.2	.0	.1	.0	.1	.0	.0	.0	.0	.1	1.4	10.7
WSW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.5	14.3
W	.0	.0	.0	.8	.0	.2	.0	.1	.0	.2	.0	.0	.0	.0	.1	1.2	11.6
WNW	.0	.1	.1	1.3	.0	.4	.0	.4	.0	.3	.0	.1	.0	.0	.1	2.7	12.6
NW	.0	.0	.1	1.6	.1	1.3	.0	.8	.0	.5	.0	.3	.0	.0	.2	4.4	14.5
NNW	.0	.2	.1	1.4	.1	1.4	.1	1.7	.0	.6	.0	.4	.0	.0	.3	5.7	15.0
CALM	.1	1.3													.1	1.3	
TOTAL	.1	2.8	2.4	48.1	1.0	19.7	.8	15.7	.5	10.6	.1	2.5	.0	.5	5.0	100	12.7

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 4 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] WICHITA FALLS, TX PERIOD: 1961-1978

CLASS 4 / DAY

STATION NUMBER: [illegible] NO. OBS.: 217

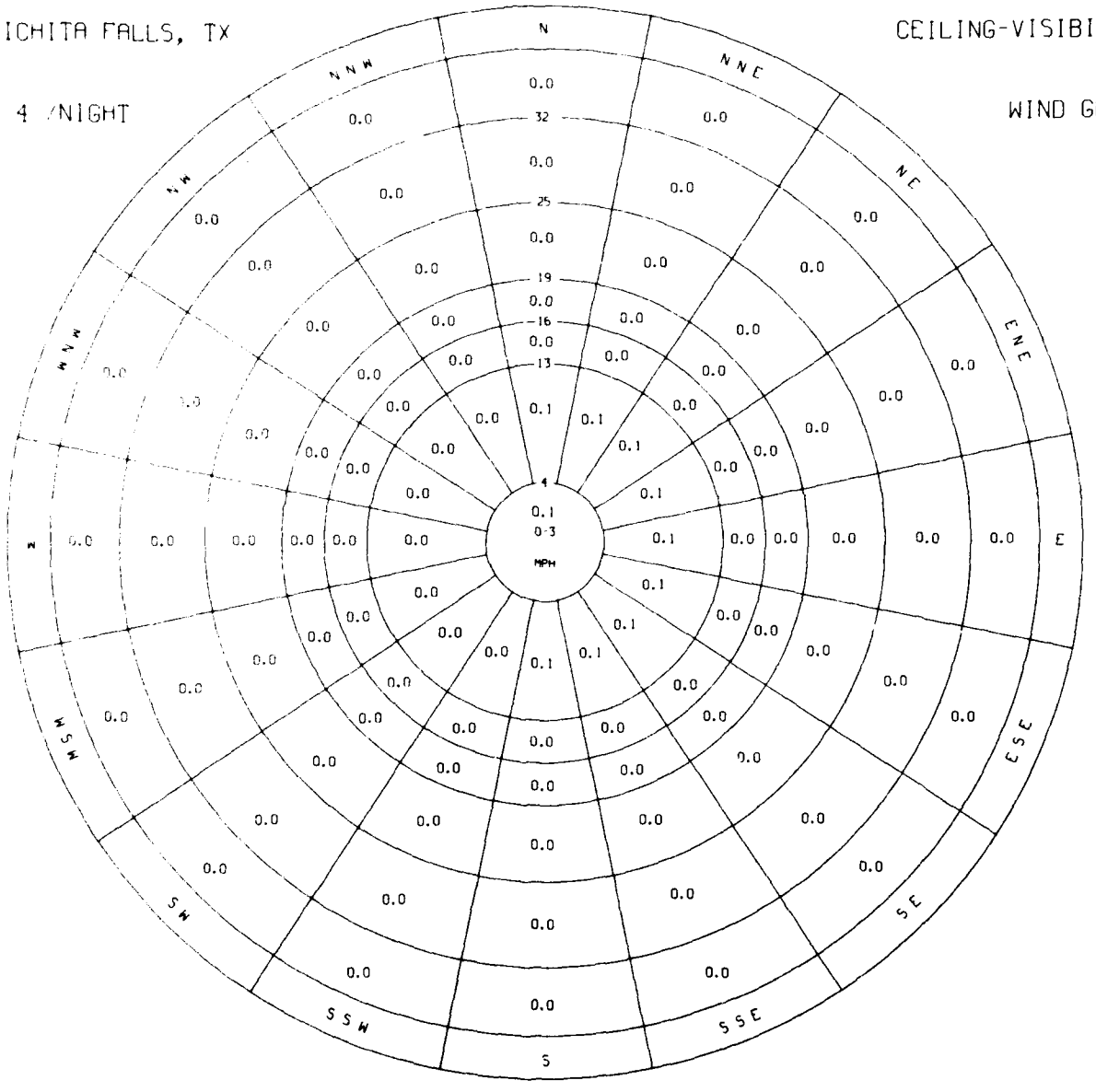
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.5	.0	5.5	.5	1.4	.0	2.3	.0	2.8	.0	.9	.0	.0	.1	13.4	14.7
NNE	.0	.0	.0	4.6	.0	1.4	.0	1.8	.0	1.4	.0	.0	.0	.0	.1	9.2	13.3
NE	.0	.0	.0	5.1	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.1	7.8	11.0
ENE	.0	.5	.1	7.4	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.1	9.2	8.5
E	.0	.5	.1	9.7	.0	.9	.0	.9	.0	1.8	.0	.0	.0	.0	.1	13.8	10.8
ESE	.0	.5	.1	8.3	.0	.9	.0	.9	.0	.5	.0	.0	.0	.0	.1	11.1	10.2
SE	.0	.0	.0	6.5	.0	2.3	.0	2.3	.0	.5	.0	.0	.0	.0	.1	11.5	11.7
SSE	.0	.0	.0	4.6	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	5.5	10.4
S	.0	.0	.0	2.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	8.3
SSW	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	9.6
SW	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	9.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	24.0
W	.0	.0	.0	.9	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.8	12.5
WNW	.0	.0	.0	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	8.8
NW	.0	.0	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	9.3
NNW	.0	.5	.0	.9	.0	.5	.0	.5	.0	.0	.0	.5	.0	.5	.0	3.2	16.0
CALM	.0	3.7													.0	3.7	
TOTAL	.0	6.0	.5	61.3	.1	12.9	.1	10.6	.1	6.9	.0	1.8	.0	.5	.8	100	11.1

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SPS WICHITA FALLS, TX

PERIOD: 1961-197

CLASS 4 / NIGHT

STATION NUMBER: 13966

NO. OBS.: 27

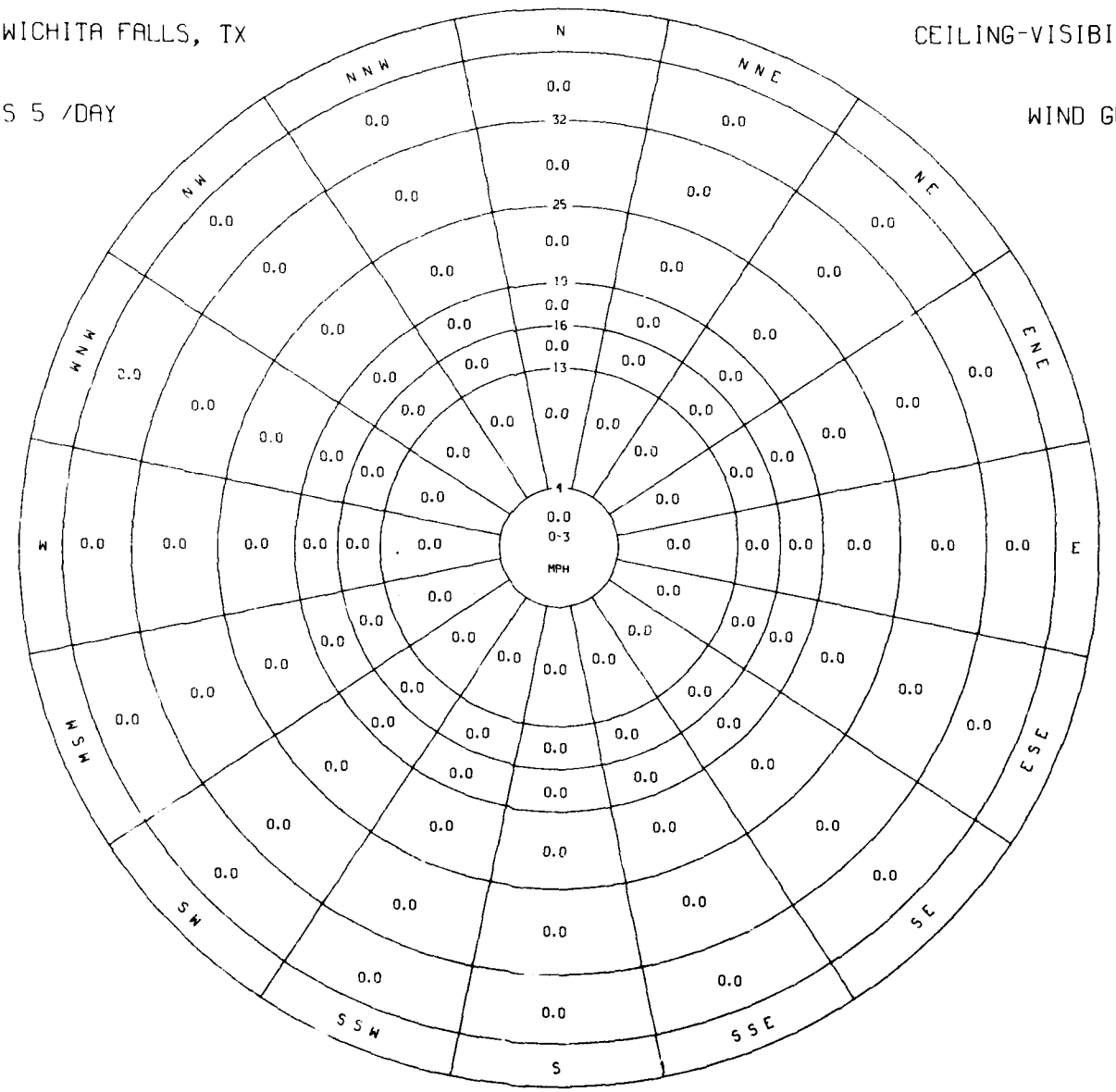
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.1	7.3	.0	2.5	.0	1.5	.0	1.1	.0	.0	.0	.4	.1	12.7	12.4
NNE	.0	.0	.1	5.8	.0	.4	.0	1.5	.0	.4	.0	.0	.0	.0	.1	8.0	10.8
NE	.0	.7	.1	5.1	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.5	8.8
ENE	.0	.4	.1	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	6.2	7.6
E	.0	.4	.1	7.3	.0	.7	.0	1.1	.0	.0	.0	.0	.0	.0	.1	9.5	9.5
ESE	.0	.4	.1	8.7	.0	1.1	.0	.7	.0	.0	.0	.4	.0	.0	.1	11.3	10.6
SE	.0	.4	.1	7.3	.0	2.5	.0	1.5	.0	.0	.0	.0	.0	.0	.1	11.6	10.9
SSE	.0	.0	.1	5.1	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.1	6.5	10.6
S	.0	.7	.1	5.5	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.1	7.6	9.7
SSW	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.7	17.5
SW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	7.5
WSW	.0	.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	6.3
W	.0	.0	.0	3.6	.0	.4	.0	.7	.0	.4	.0	.0	.0	.0	.1	5.1	10.7
WNW	.0	.0	.0	1.1	.0	1.1	.0	.4	.0	.4	.0	.0	.0	.0	.0	2.9	13.5
NW	.0	.0	.0	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	10.0
NNW	.0	.7	.0	3.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	7.7
CALM	.0	2.9													.0	2.9	
TOTAL	.1	6.9	.8	69.1	.1	12.4	.1	8.0	.0	2.9	.0	.4	.0	.4	1.1	100	10.0

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SPS WICHITA FALLS, TX

PERIOD: 1961-1978

CLASS 5 / DAY

STATION NUMBER: 13966

NO. OBS.: 68

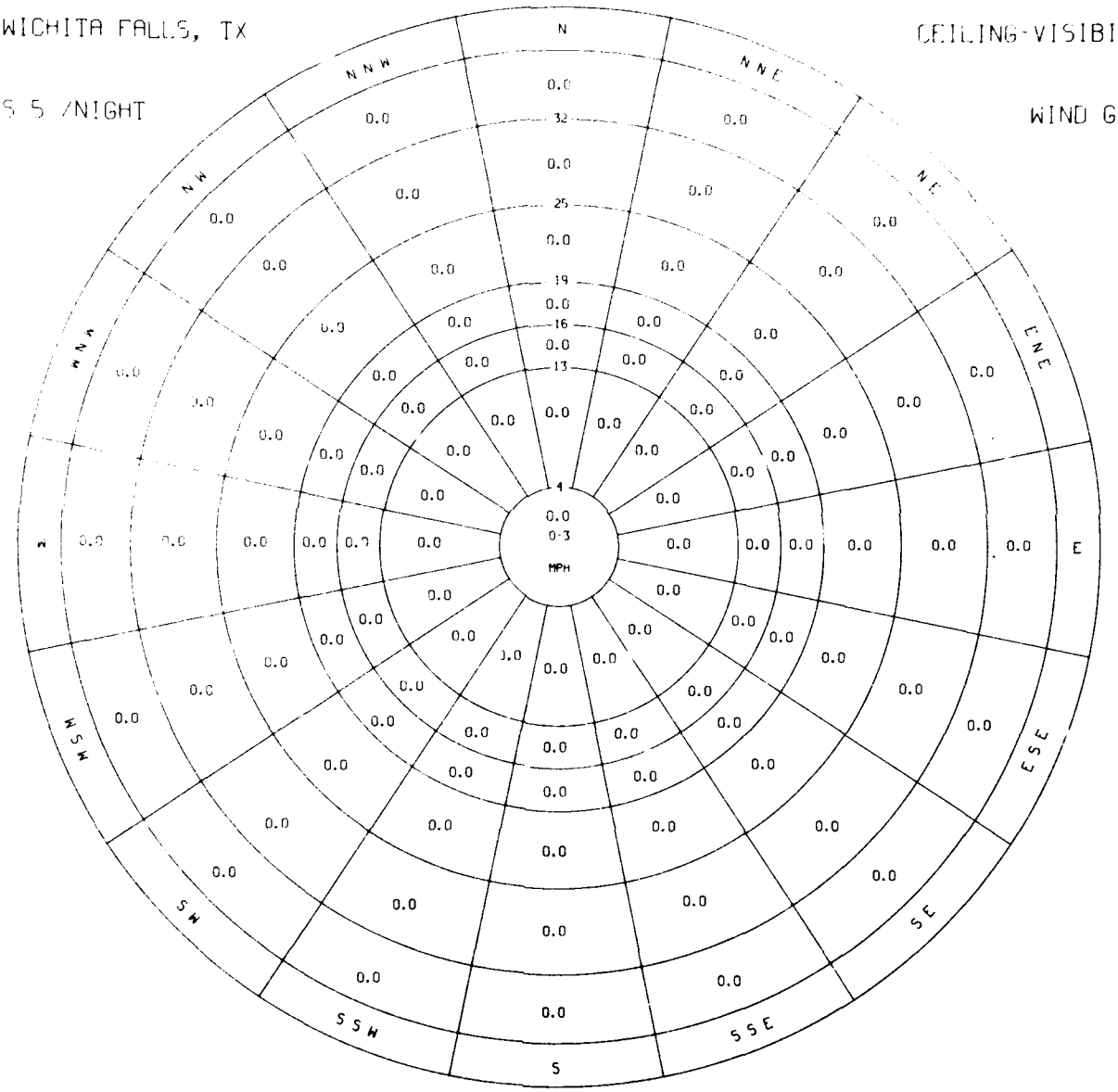
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.0	.0	4.4	.0	1.5	.0	1.5	.0	5.9	.0	.0	.0	2.9	.0	16.2	20.1
NNE	.0	.0	.0	2.9	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	5.9	13.7
NE	.0	.0	.0	5.9	.0	.0	.0	0	.0	.0	.0	.0	.0	.0	.0	5.9	8.5
ENE	.0	1.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	3.7
E	.0	.0	.0	5.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	8.0
ESE	.0	.0	.0	10.3	.0	7.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.6	10.3
SE	.0	1.5	.0	2.9	.0	2.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	8.8	10.7
SSE	.0	1.5	.0	1.5	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	10.0
S	.0	.0	.0	5.9	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	9.6
SSW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	9.0
SW	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	8.0
WSW	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	14.0
W	.0	.0	.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	9.0
WNW	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	7.0
NW	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	14.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	1.5	25.0
CALM	.0	4.4													.0	4.4	
TOTAL	.0	8.8	.1	54.4	.0	20.6	.0	5.9	.0	5.9	.0	1.5	.0	2.9	.2	100	11.1

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 5 /NIGHT

WIND GRAPH



CEIL.NG-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] WICHITA FALLS, TX

PERIOD: 1961-1978

CLASS 5 / NIGHT

STATION NUMBER: 13966

NO. OBS.: 93

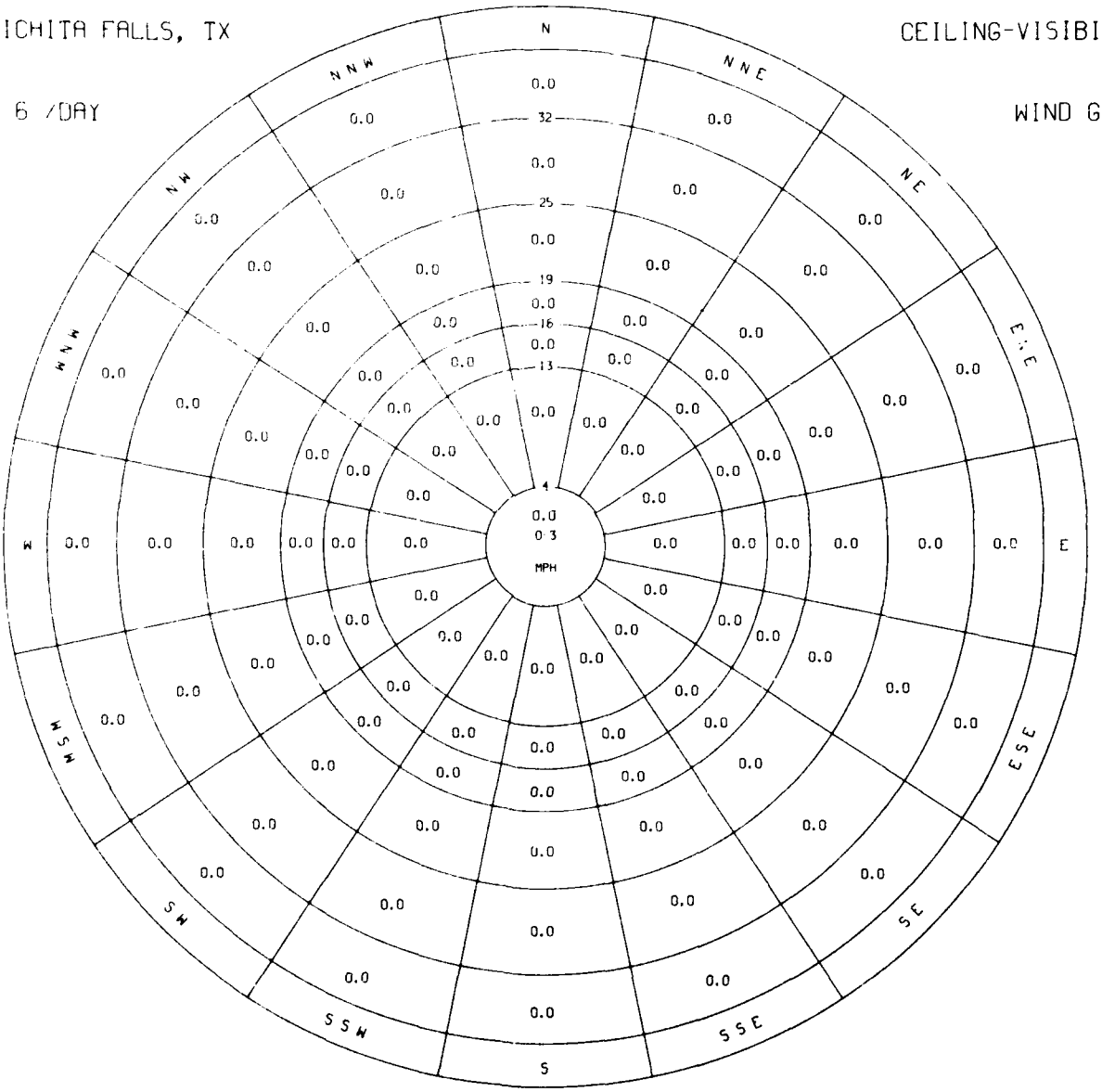
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13 15 A	13 15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	.0	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	2.2	18.5
NNE	.0	.0	.0	6.5	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	7.5	10.1
NE	.0	.0	.0	7.5	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	9.7	9.6
ENE	.0	.0	.0	4.3	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	6.5	10.5
E	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	8.3
ESE	.0	1.1	.0	10.8	.0	3.2	.0	.0	.0	1.1	.0	.0	.0	.0	.1	16.1	9.5
SE	.0	.0	.0	9.7	.0	1.1	.0	3.2	.0	.0	.0	.0	.0	.0	.1	14.0	10.3
SSE	.0	.0	.0	4.3	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.4	9.8
S	.0	1.1	.0	5.4	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	7.5	8.1
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	6.0
WSW	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	5.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	7.5	10.9
NW	.0	.0	.0	4.3	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	5.4	10.6
NNW	.0	.0	.0	3.2	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	4.3	8.8
CALM	.0	4.3													.0	4.3	
TOTAL	.0	6.5	.3	7.0	.0	7.5	.0	7.5	.0	5.4	.0	1.1	.0	.0	.4	100	9.3

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 6 /DAY

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SPS WICHITA FALLS, TX

PERIOD: 1961-1978

CLASS 6 / DAY

STATION NUMBER: 13966

NO. OBS.: 69

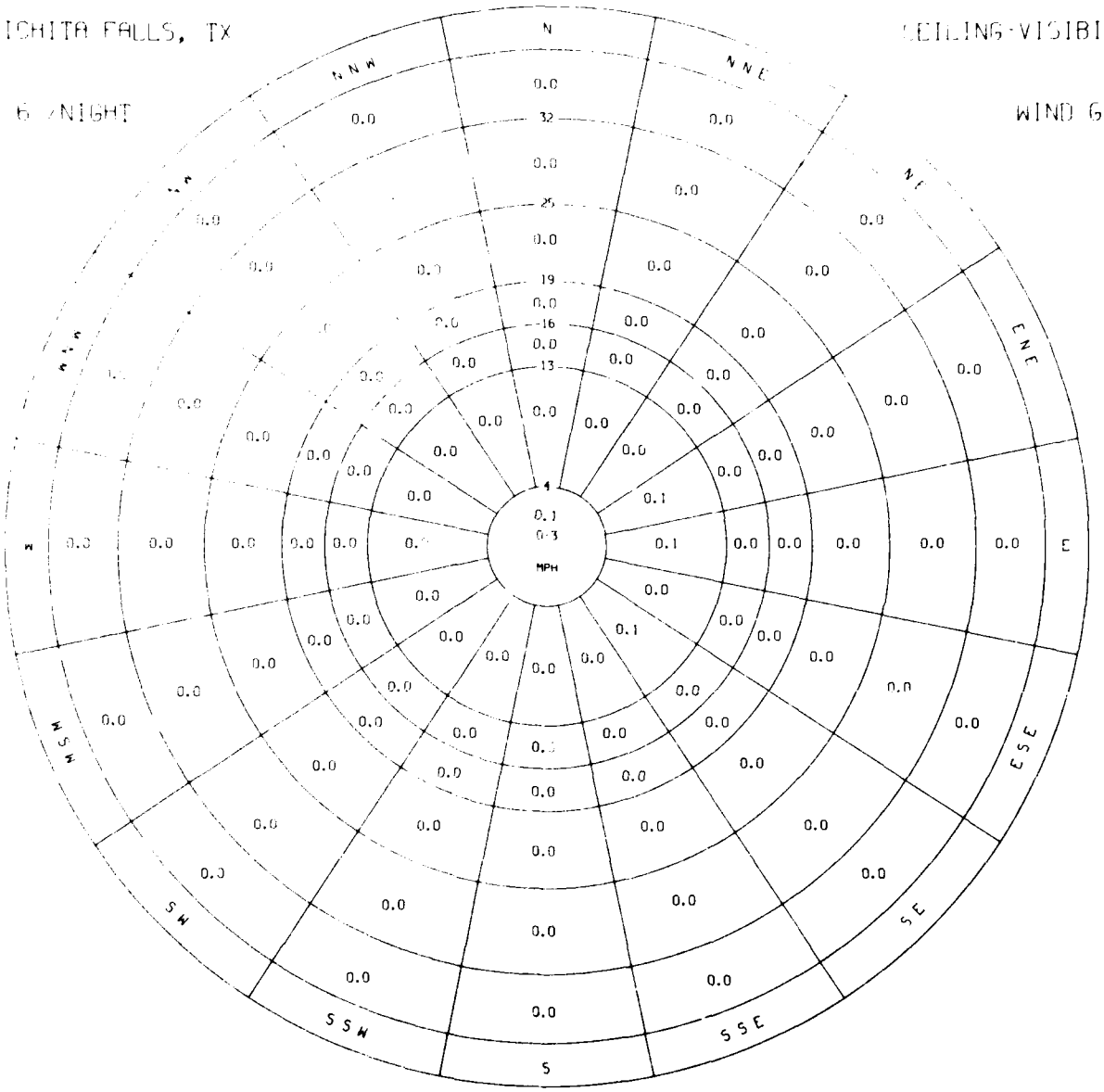
DIR	SPEED GROUPS (MPH)																AVG WIND SPEED
	0-3		4-12		13-15		16-18		19-24		25-31		32+		TOTAL		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	D	
N	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.8	8.0
NNE	.0	.0	.0	2.9	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	4.3	11.3
NE	.0	.0	.0	2.9	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	11.0
ENE	.0	1.4	.0	10.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	6.6
E	.0	.0	.0	2.9	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	4.3	9.7
ESE	.0	.0	.0	7.2	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.6	10.9
SE	.0	.0	.0	11.6	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	14.5	9.8
SSE	.0	.0	.0	4.3	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	5.8	12.0
S	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	9.7
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.7
WSW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	10.0
W	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	7.2	15.4
WNW	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	7.0
NW	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.0
NNW	.0	1.4	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	8.3
CALM	.0	10.1													.0	10.1	
TOTAL	.0	13.0	.2	72.5	.0	5.8	.0	5.8	.0	1.4	.0	.0	.0	1.4	.2	100	8.7

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 6 /NIGHT

WIND GRAPH



CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: [illegible] WI WITA FALLS, TX

PERIOD: 1961-1978

CLASS 6 / NIGHT

STATION NUMBER: [illegible]

NO. OBS.: 133

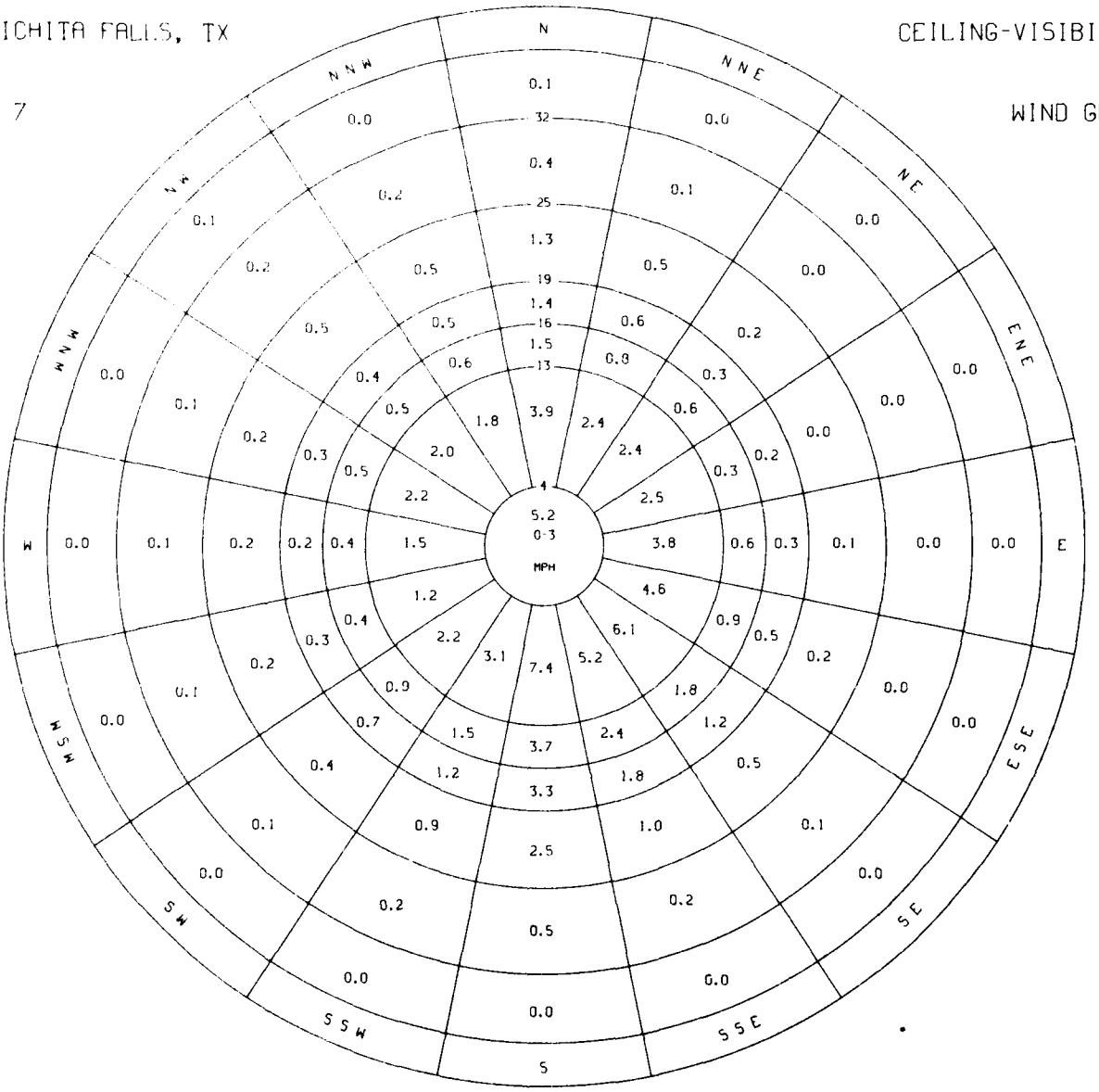
DIR	SPEED GROUPS (MPH) 0-3 A	0-3 B	4-12 A	4-12 B	13-15 A	13-15 B	16-18 A	16-18 B	19-24 A	19-24 B	25-31 A	25-31 B	32+ A	32+ B	TOTAL C	TOTAL D	AVG WIND SPEED
N	.0	2.3	.0	6.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	6.8
NNE	.0	.8	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	5.2
NE	.1	.0	.0	5.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	8.5
ENE	.1	.8	.1	9.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.5	6.6
E	.0	1.8	.1	9.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.1	14.3	6.8
ESE	.0	.8	.0	8.3	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.5	8.2
SE	.2	.0	.1	10.5	.0	2.3	.0	1.5	.0	.0	.0	.0	.0	.0	.1	14.3	9.4
SSE	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	8.6
S	.0	.8	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	7.1
SSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	6.0
SW	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	8.0
WSW	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	8.0
W	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	7.3
WNW	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	8.2
NW	.0	.8	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	7.4
NNW	.0	2.3	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3	6.0
CALM	.0	4.5													.0	4.5	
TOTAL	.1	16.5	.4	76.7	.0	5.3	.0	1.5	.0	.0	.0	.0	.0	.0	.6	100	7.2

SPS WICHITA FALLS, TX

CEILING-VISIBILITY

CLASS 7

WIND GRAPH



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

END

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