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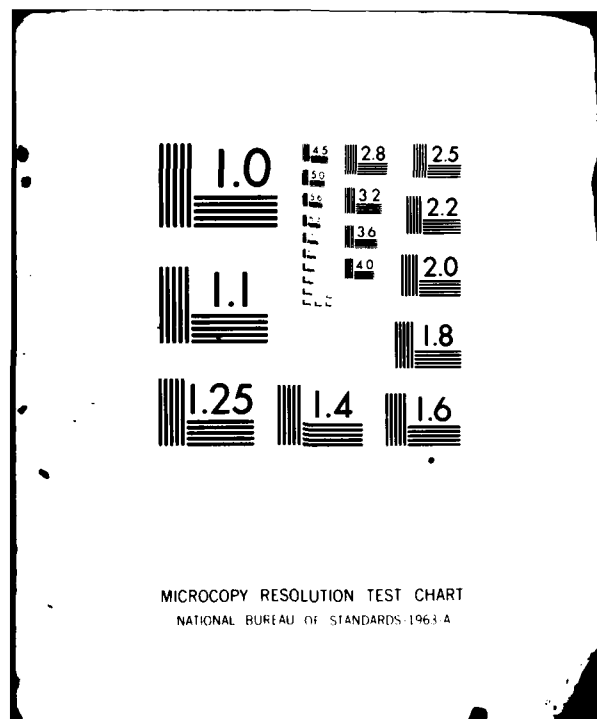
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# WIND - CEILING - VISIBILITY DATA

## AT SELECTED AIRPORTS

VOLUME III PART B  
SOUTHERN REGION



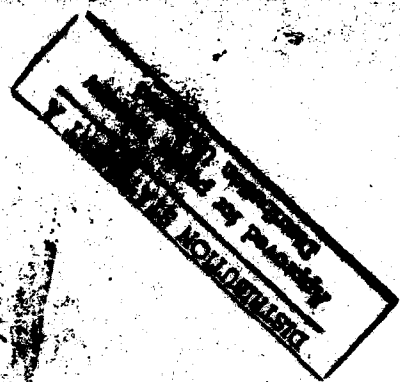
JANUARY 1981

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
PLANS DEVELOPMENT DIVISION  
OFFICE OF AVIATION POLICY AND PLANS

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| 4. Title and Subtitle<br><b>Wind-Ceiling-Visibility Data at<br/>Selected Airports - Volume III B - Southern Region</b>                                                                                                                                                                                                    |                                                             | 5. Report Date<br><b>June 1981</b>                                                                                                                  | 6. Performing Organization Code                     |
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| 12. Sponsoring Agency Name and Address<br><b>DOT/Federal Aviation Administration<br/>Office of Aviation Policy and Plans<br/>800 Independence Avenue, S.W.<br/>Washington, D.C. 20591</b>                                                                                                                                 |                                                             | 13. Type of Report and Period Covered<br><b>Final Report</b>                                                                                        |                                                     |
| 14. Sponsoring Agency Code                                                                                                                                                                                                                                                                                                |                                                             |                                                                                                                                                     |                                                     |
| 15. Supplementary Notes                                                                                                                                                                                                                                                                                                   |                                                             |                                                                                                                                                     |                                                     |
| 16. Abstract<br><p>This report provides summary tables and graphic wind roses depicting wind direction and speed under specific ceiling - visibility conditions at 283 airports. This data will be used in the application of FAA's establishment criteria for precision and non-precision approach and landing aids.</p> |                                                             |                                                                                                                                                     |                                                     |
| 17. Key Words<br><b>Ceiling, visibility, climatology</b>                                                                                                                                                                                                                                                                  |                                                             | 18. Distribution Statement<br><b>Document is available to the public through the National Technical Information Service, Springfield, Va. 22151</b> |                                                     |
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Interagency Agreement DOT-FA79WAI--057

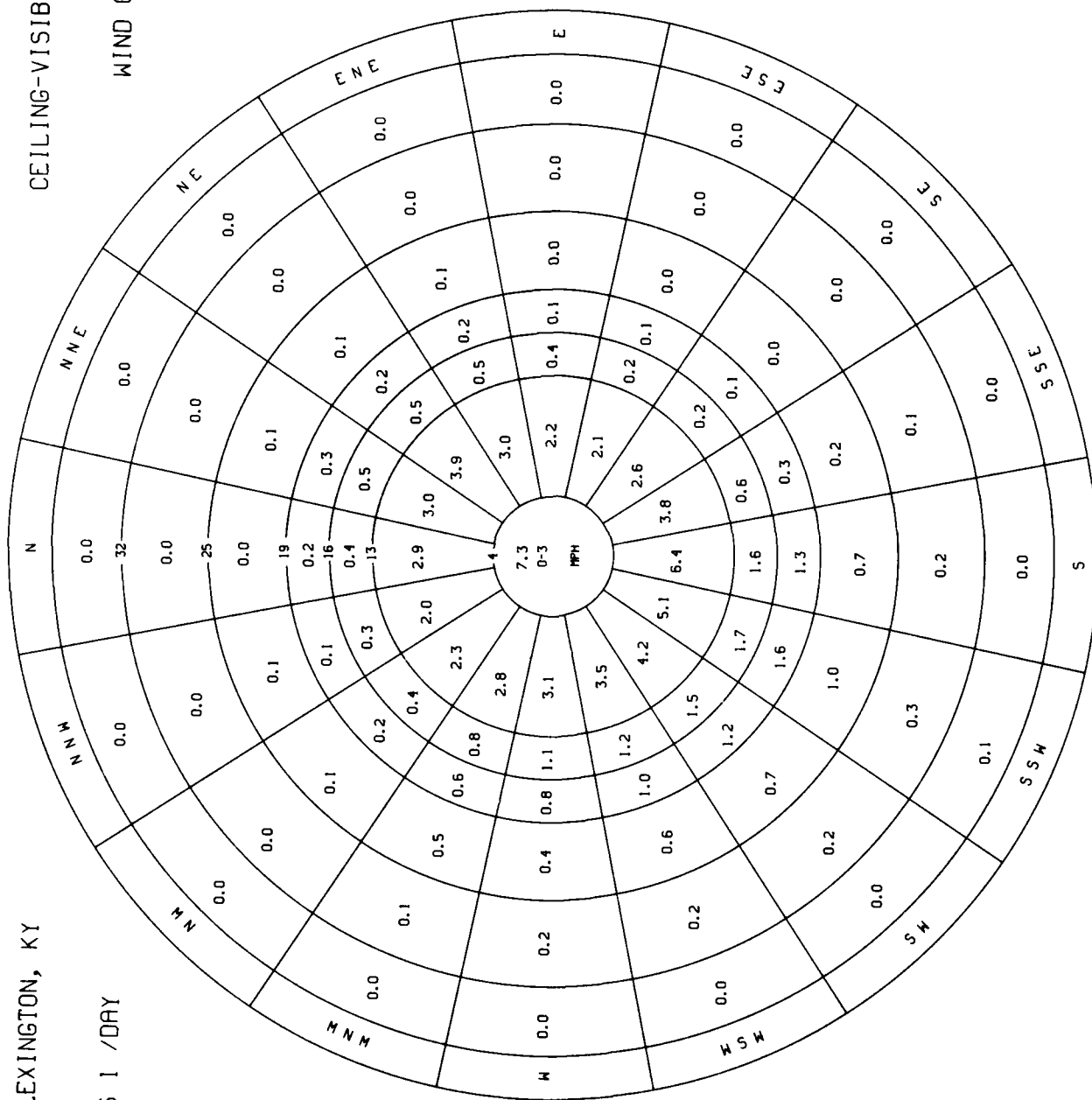
WIND-CEILING-VISIBILITY  
DATA  
AT SELECTED AIRPORTS

January 1981

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

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LEX LEXINGTON, KY  
 CLASS 1 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH



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# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEX LEXINGTON, KY

CLASS 1 / DAY

PERIOD: 1948-1978

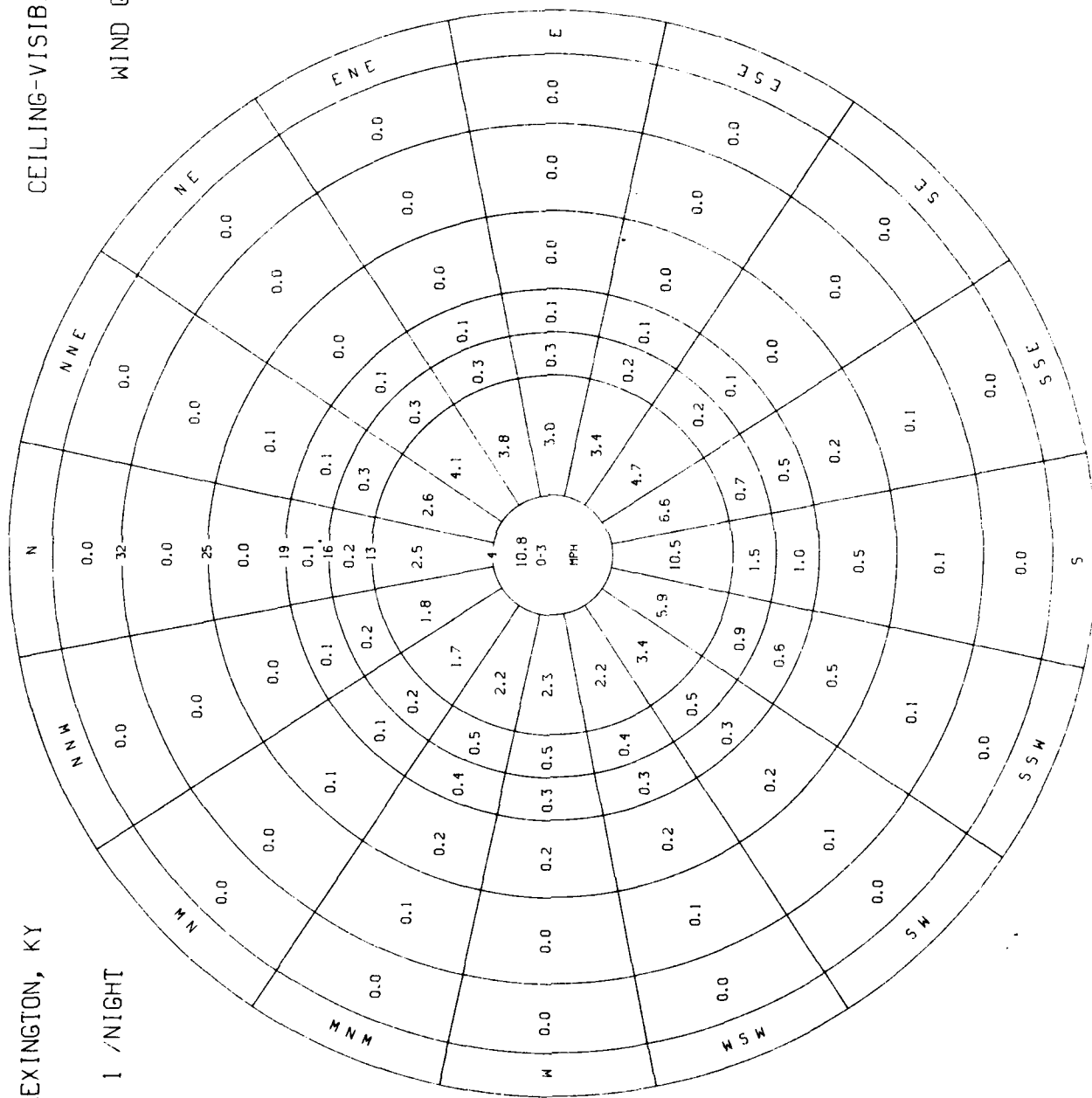
STATION NUMBER: 93820

NO. OBS.: 39836

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |     |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|-----|-----|----|-------|------|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |     | 32+ |    | TOTAL |      |                      |
|             | A                  | B   | A    | B    | A     | B    | A     | B   | A     | B   | A     | B   | A   | B  | C     | D    |                      |
| N           | .3                 | .4  | 2.9  | 3.3  | .4    | .4   | .2    | .2  | .0    | .0  | .0    | .0  | .0  | .0 | 3.8   | 4.3  | 8.6                  |
| NNE         | .3                 | .3  | 3.0  | 3.5  | .5    | .6   | .3    | .3  | .1    | .1  | .0    | .0  | .0  | .0 | 4.2   | 4.8  | 9.3                  |
| NE          | .4                 | .5  | 3.9  | 4.5  | .5    | .6   | .2    | .3  | .1    | .1  | .0    | .0  | .0  | .0 | 5.1   | 5.9  | 8.7                  |
| ENE         | .4                 | .4  | 3.0  | 3.4  | .5    | .6   | .2    | .2  | .1    | .1  | .0    | .0  | .0  | .0 | 4.1   | 4.7  | 8.9                  |
| E           | .3                 | .4  | 2.2  | 2.5  | .4    | .4   | .1    | .1  | .0    | .0  | .0    | .0  | .0  | .0 | 3.0   | 3.5  | 8.5                  |
| ESE         | .3                 | .4  | 2.1  | 2.4  | .2    | .3   | .1    | .1  | .0    | .0  | .0    | .0  | .0  | .0 | 2.7   | 3.1  | 8.2                  |
| SE          | .3                 | .4  | 2.6  | 2.9  | .2    | .2   | .1    | .1  | .0    | .0  | .0    | .0  | .0  | .0 | 3.2   | 3.7  | 8.0                  |
| SSE         | .5                 | .6  | 3.8  | 4.4  | .6    | .7   | .3    | .4  | .2    | .3  | .1    | .1  | .0  | .0 | 5.6   | 6.5  | 9.6                  |
| S           | .5                 | .6  | 6.4  | 7.4  | 1.6   | 1.9  | 1.3   | 1.5 | .7    | .8  | .2    | .2  | .0  | .0 | 10.7  | 12.4 | 11.1                 |
| SSW         | .4                 | .5  | 5.1  | 5.9  | 1.7   | 2.0  | 1.6   | 1.8 | 1.0   | 1.2 | .3    | .4  | .1  | .1 | 10.3  | 11.9 | 12.5                 |
| SW          | .3                 | .3  | 4.2  | 4.9  | 1.5   | 1.7  | 1.2   | 1.4 | .7    | .8  | .2    | .2  | .0  | .1 | 8.2   | 9.4  | 12.3                 |
| WSW         | .2                 | .3  | 3.5  | 4.1  | 1.2   | 1.3  | 1.0   | 1.1 | .6    | .7  | .2    | .2  | .0  | .0 | 6.7   | 7.8  | 12.3                 |
| W           | .3                 | .4  | 3.1  | 3.6  | 1.1   | 1.3  | .8    | .9  | .4    | .5  | .2    | .2  | .0  | .0 | 6.0   | 6.9  | 11.8                 |
| WNW         | .3                 | .3  | 2.8  | 3.2  | .8    | .9   | .6    | .7  | .5    | .5  | .1    | .1  | .0  | .0 | 5.1   | 5.9  | 11.6                 |
| NW          | .3                 | .3  | 2.3  | 2.6  | .4    | .5   | .2    | .3  | .1    | .1  | .0    | .0  | .0  | .0 | 3.3   | 3.9  | 9.5                  |
| NNW         | .2                 | .3  | 2.0  | 2.3  | .3    | .4   | .1    | .2  | .1    | .1  | .0    | .0  | .0  | .0 | 2.8   | 3.2  | 9.0                  |
| CALM        | 1.9                | 2.2 |      |      |       |      |       |     |       |     |       |     |     |    | 1.9   | 2.2  |                      |
| TOTAL       | 7.3                | 8.4 | 52.9 | 61.1 | 12.1  | 13.9 | 8.4   | 9.7 | 4.6   | 5.3 | 1.2   | 1.4 | .2  | .2 | 86.7  | 100  | 10.3                 |

# CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 1 / NIGHT

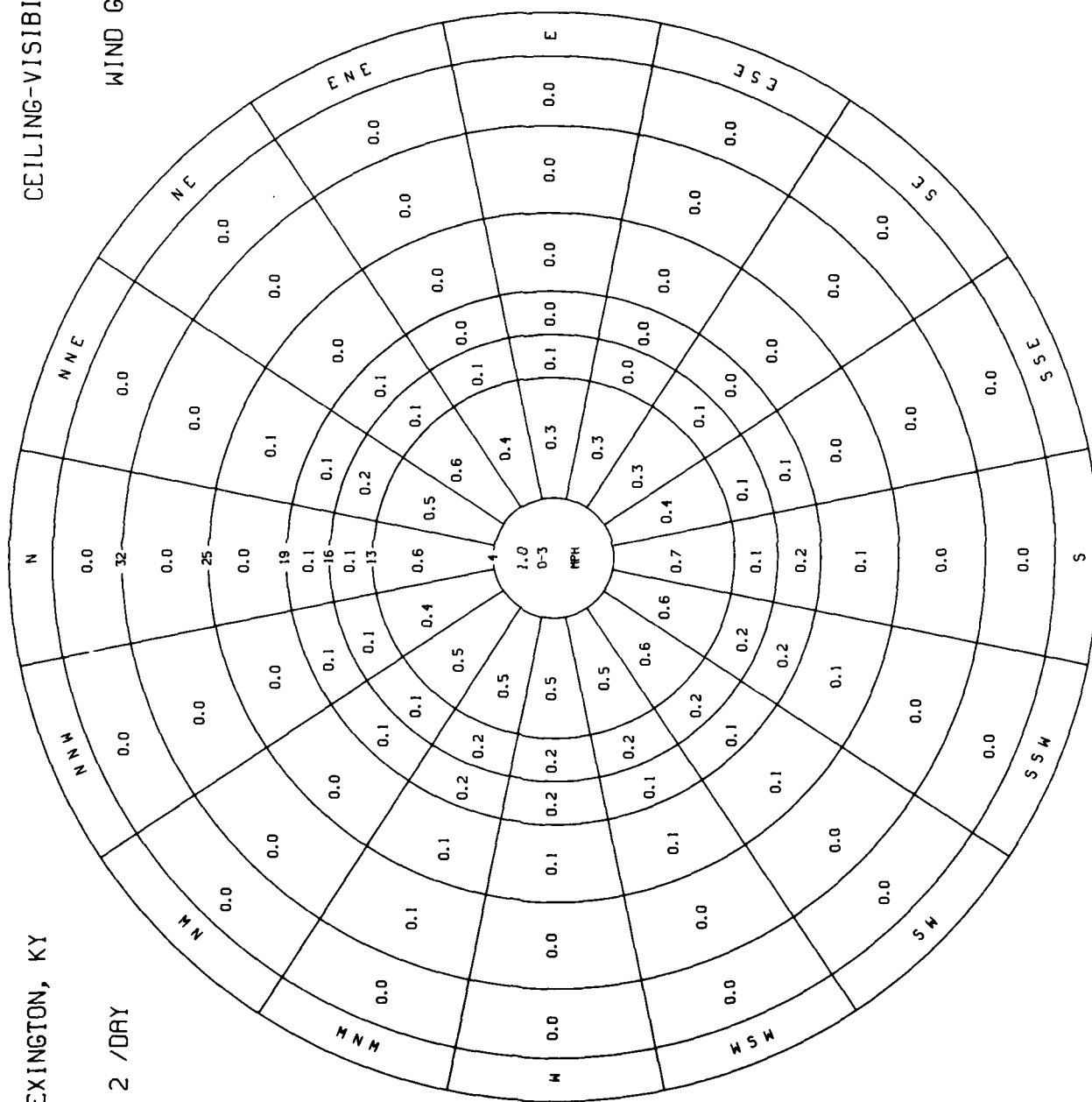
STATION NUMBER: 93820

NO. OBS.: 33340

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 2.5  | 2.9  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 3.3   | 3.8  | 7.4  |
| NNE         | .4                 | .5   | 2.6  | 3.0  | .3    | .3  | .1    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 3.5   | 4.0  | 8.1  |
| NE          | .5                 | .5   | 4.1  | 4.7  | .3    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 5.0   | 5.8  | 7.8  |
| ENE         | .5                 | .5   | 3.8  | 4.4  | .3    | .4  | .1    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 4.7   | 5.5  | 7.9  |
| E           | .4                 | .5   | 3.0  | 3.5  | .3    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 3.8   | 4.4  | 7.9  |
| ESE         | .4                 | .5   | 3.4  | 4.0  | .2    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 4.1   | 4.8  | 7.6  |
| SE          | .5                 | .6   | 4.7  | 5.4  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 5.5   | 6.4  | 7.5  |
| SSE         | .7                 | .8   | 6.6  | 7.7  | .7    | .8  | .5    | .5  | .2    | .3  | .1    | .1 | .0  | .0 | .0                   | 8.8   | 10.3 | 9.0  |
| S           | .8                 | 1.0  | 10.5 | 12.2 | 1.5   | 1.8 | 1.0   | 1.2 | .5    | .5  | .1    | .2 | .0  | .0 | .0                   | 14.5  | 16.9 | 9.5  |
| SSW         | .6                 | .7   | 5.9  | 6.9  | .9    | 1.0 | .6    | .6  | .5    | .5  | .1    | .2 | .0  | .0 | .0                   | 8.5   | 9.9  | 9.8  |
| SW          | .4                 | .4   | 3.4  | 3.9  | .5    | .5  | .3    | .4  | .2    | .2  | .1    | .1 | .0  | .0 | .0                   | 4.8   | 5.6  | 9.6  |
| WSW         | .3                 | .3   | 2.2  | 2.6  | .4    | .5  | .3    | .4  | .2    | .3  | .1    | .1 | .0  | .0 | .0                   | 3.6   | 4.2  | 10.3 |
| W           | .3                 | .4   | 2.3  | 2.6  | .5    | .6  | .3    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | .0                   | 3.6   | 4.2  | 10.0 |
| WNW         | .3                 | .4   | 2.2  | 2.6  | .5    | .5  | .4    | .4  | .2    | .3  | .1    | .1 | .0  | .0 | .0                   | 3.7   | 4.3  | 10.4 |
| NW          | .3                 | .3   | 1.7  | 2.0  | .2    | .3  | .1    | .1  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 2.5   | 2.9  | 8.6  |
| NNW         | .3                 | .4   | 1.8  | 2.1  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.4   | 2.8  | 7.8  |
| CALM        | 3.7                | 4.3  |      |      |       |     |       |     |       |     |       |    |     |    |                      | 3.7   | 4.3  |      |
| TOTAL       | 10.8               | 12.6 | 60.7 | 70.6 | 7.2   | 8.3 | 4.2   | 4.9 | 2.3   | 2.6 | .6    | .8 | .1  | .1 | .1                   | 86.0  | 100  | 8.5  |

LEX LEXINGTON, KY

CLASS 2 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 93820

NO. OBS.: 6124

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |     |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|-----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |     | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B    | A     | B   | A     | B   | A   | B  |                      |
| N           | .0                 | .3  | .6   | 4.3  | .1    | 1.1  | .1    | .5   | .0    | .2  | .0    | .0  | .0  | .0 | .9 6.4               |
| NNE         | .1                 | .4  | .5   | 3.9  | .2    | 1.5  | .1    | .7   | .1    | .4  | .0    | .0  | .0  | .0 | .9 6.9               |
| NE          | .0                 | .3  | .6   | 4.3  | .1    | .8   | .1    | .4   | .0    | .0  | .0    | .0  | .0  | .0 | .8 6.0               |
| ENE         | .1                 | .4  | .4   | 3.2  | .1    | .7   | .0    | .3   | .0    | .0  | .0    | .0  | .0  | .0 | .6 4.6               |
| E           | .0                 | .3  | .3   | 2.6  | .1    | .4   | .0    | .2   | .0    | .1  | .0    | .0  | .0  | .0 | .5 3.6               |
| ESE         | .1                 | .4  | .3   | 2.2  | .0    | .2   | .0    | .1   | .0    | .0  | .0    | .0  | .0  | .0 | .4 3.0               |
| SE          | .0                 | .3  | .3   | 2.0  | .1    | .4   | .0    | .2   | .0    | .0  | .0    | .0  | .0  | .0 | .4 2.8               |
| SSE         | .0                 | .2  | .4   | 2.9  | .1    | .5   | .1    | .4   | .0    | .3  | .0    | .1  | .0  | .0 | .6 4.5               |
| S           | .1                 | .4  | .7   | 5.5  | .1    | 1.1  | .2    | 1.3  | .1    | .6  | .0    | .1  | .0  | .0 | 1.2 8.9              |
| SSW         | .0                 | .3  | .6   | 4.4  | .2    | 1.5  | .2    | 1.2  | .1    | .6  | .0    | .2  | .0  | .0 | 1.1 8.3              |
| SW          | .0                 | .2  | .6   | 4.1  | .2    | 1.3  | .1    | 1.0  | .1    | .6  | .0    | .3  | .0  | .0 | 1.0 7.5              |
| WSW         | .0                 | .2  | .5   | 3.8  | .2    | 1.3  | .1    | 1.0  | .1    | .9  | .0    | .2  | .0  | .1 | 1.0 7.5              |
| W           | .1                 | .4  | .5   | 3.7  | .2    | 1.7  | .2    | 1.2  | .1    | .9  | .0    | .2  | .0  | .0 | 1.1 8.1              |
| WNW         | .0                 | .2  | .5   | 4.0  | .2    | 1.4  | .2    | 1.2  | .1    | 1.0 | .1    | .4  | .0  | .0 | 1.1 8.1              |
| NW          | .0                 | .2  | .5   | 3.4  | .1    | .8   | .1    | .7   | .0    | .3  | .0    | .0  | .0  | .0 | .7 5.5               |
| NNW         | .0                 | .2  | .4   | 3.0  | .1    | 1.1  | .1    | .7   | .0    | .2  | .0    | .0  | .0  | .0 | .7 5.3               |
| CALM        | .4                 | 2.9 |      |      |       |      |       |      |       |     |       |     |     |    | .4 2.9               |
| TOTAL       | 1.0                | 7.8 | 7.6  | 57.3 | 2.1   | 15.6 | 1.5   | 11.1 | .8    | 6.3 | .2    | 1.6 | .0  | .3 | 13.3 100             |

LEX LEXINGTON, KY

CLASS 2 /NIGHT

CEILING-VISIBILITY

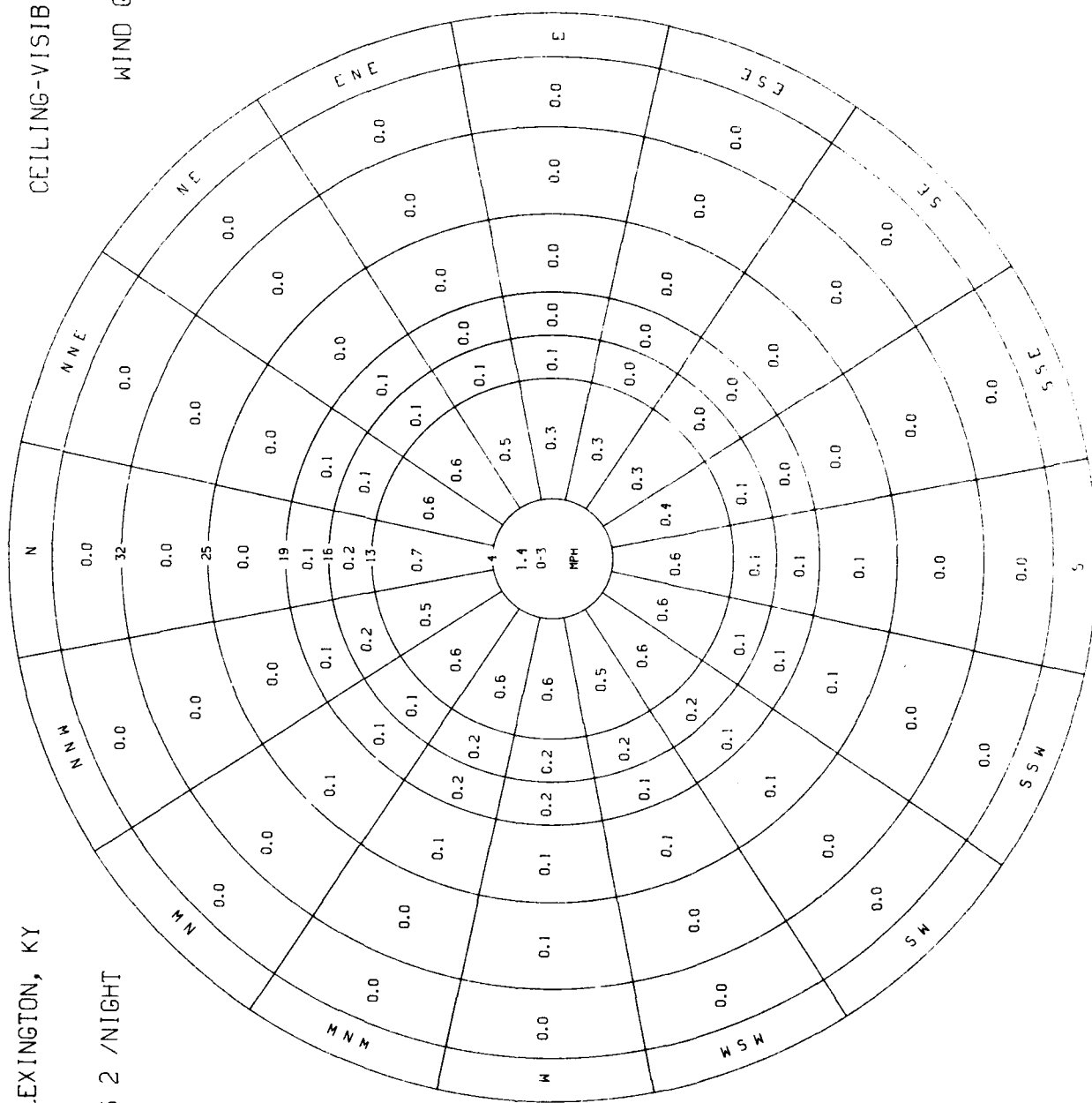
WIND GRAPH

0.0 32 0.0

N NNE NE

NNW NW W

0.0 32 0.0





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 2 / NIGHT

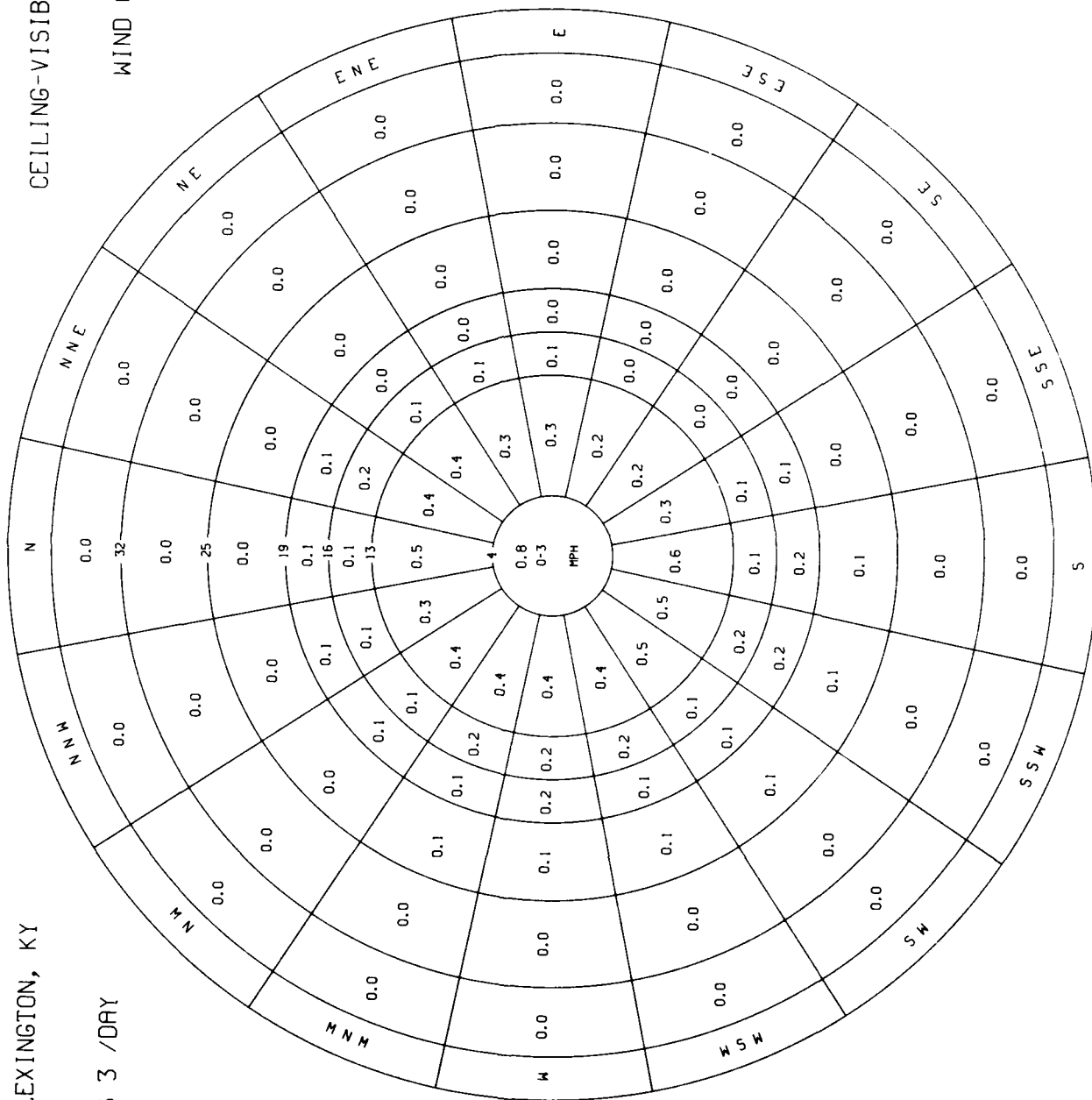
STATION NUMBER: 93820

NO. OBS.: 5442

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |     |     |    |       |     | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|-----|-----|----|-------|-----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 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   | 5.1  | .2    | 1.1  | .1    | .6  | .0    | .3  | .0    | .0  | .0  | .0 | 1.0   | 7.3 | 10.1                 |
| NNE         | .1                 | .4  | .6   | 3.9  | .1    | .9   | .1    | .7  | .0    | .3  | .0    | .1  | .0  | .0 | .9    | 6.3 | 10.5                 |
| NE          | .1                 | .6  | .6   | 4.0  | .1    | .8   | .1    | .4  | .0    | .1  | .0    | .0  | .0  | .0 | .8    | 6.0 | 9.3                  |
| ENE         | .1                 | .4  | .5   | 3.5  | .1    | .6   | .0    | .2  | .0    | .0  | .0    | .0  | .0  | .0 | .7    | 4.8 | 8.8                  |
| E           | .0                 | .3  | .3   | 2.3  | .1    | .5   | .0    | .2  | .0    | .0  | .0    | .0  | .0  | .0 | .5    | 3.3 | 9.1                  |
| ESE         | .0                 | .3  | .3   | 2.3  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0  | .0  | .0 | .4    | 3.0 | 8.4                  |
| SE          | .1                 | .4  | .3   | 2.1  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0  | .0  | .0 | .4    | 2.8 | 7.7                  |
| SSE         | .1                 | .4  | .4   | 3.0  | .1    | .4   | .0    | .3  | .0    | .2  | .0    | .0  | .0  | .0 | .6    | 4.2 | 9.0                  |
| S           | .1                 | .8  | .6   | 4.6  | .1    | 1.0  | .1    | .6  | .1    | .4  | .0    | .1  | .0  | .0 | 1.0   | 7.4 | 9.7                  |
| SSW         | .1                 | .5  | .6   | 3.9  | .1    | 1.0  | .1    | .6  | .1    | .6  | .0    | .2  | .0  | .0 | 1.0   | 6.9 | 11.4                 |
| SW          | .0                 | .2  | .6   | 4.0  | .2    | 1.2  | .1    | .8  | .1    | .6  | .0    | .3  | .0  | .0 | 1.0   | 7.2 | 12.0                 |
| WSW         | .0                 | .3  | .5   | 3.7  | .2    | 1.4  | .1    | 1.0 | .1    | .7  | .0    | .3  | .0  | .2 | 1.1   | 7.6 | 13.1                 |
| W           | .0                 | .3  | .6   | 4.2  | .2    | 1.5  | .2    | 1.2 | .1    | .7  | .1    | .4  | .0  | .1 | 1.2   | 8.4 | 12.9                 |
| WNW         | .1                 | .5  | .6   | 4.3  | .2    | 1.5  | .2    | 1.2 | .1    | .8  | .0    | .3  | .0  | .0 | 1.2   | 8.6 | 12.3                 |
| NW          | .0                 | .3  | .6   | 4.3  | .1    | 1.0  | .1    | .7  | .1    | .5  | .0    | .1  | .0  | .0 | 1.0   | 6.8 | 10.9                 |
| NNW         | .0                 | .3  | .5   | 3.3  | .2    | 1.2  | .1    | .6  | .0    | .3  | .0    | .0  | .0  | .0 | .8    | 5.8 | 11.3                 |
| CALM        | .5                 | 3.5 |      |      |       |      |       |     |       |     |       |     |     |    | .5    | 3.5 |                      |
| TOTAL       | 1.4                | 9.7 | 8.2  | 58.4 | 2.0   | 14.6 | 1.3   | 9.5 | .8    | 5.6 | .3    | 1.8 | .0  | .3 | 14.0  | 100 | 10.4                 |

CEILING-VISIBILITY  
WIND GRAPH

LEX LEXINGTON, KY  
CLASS 3 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 3 / DAY

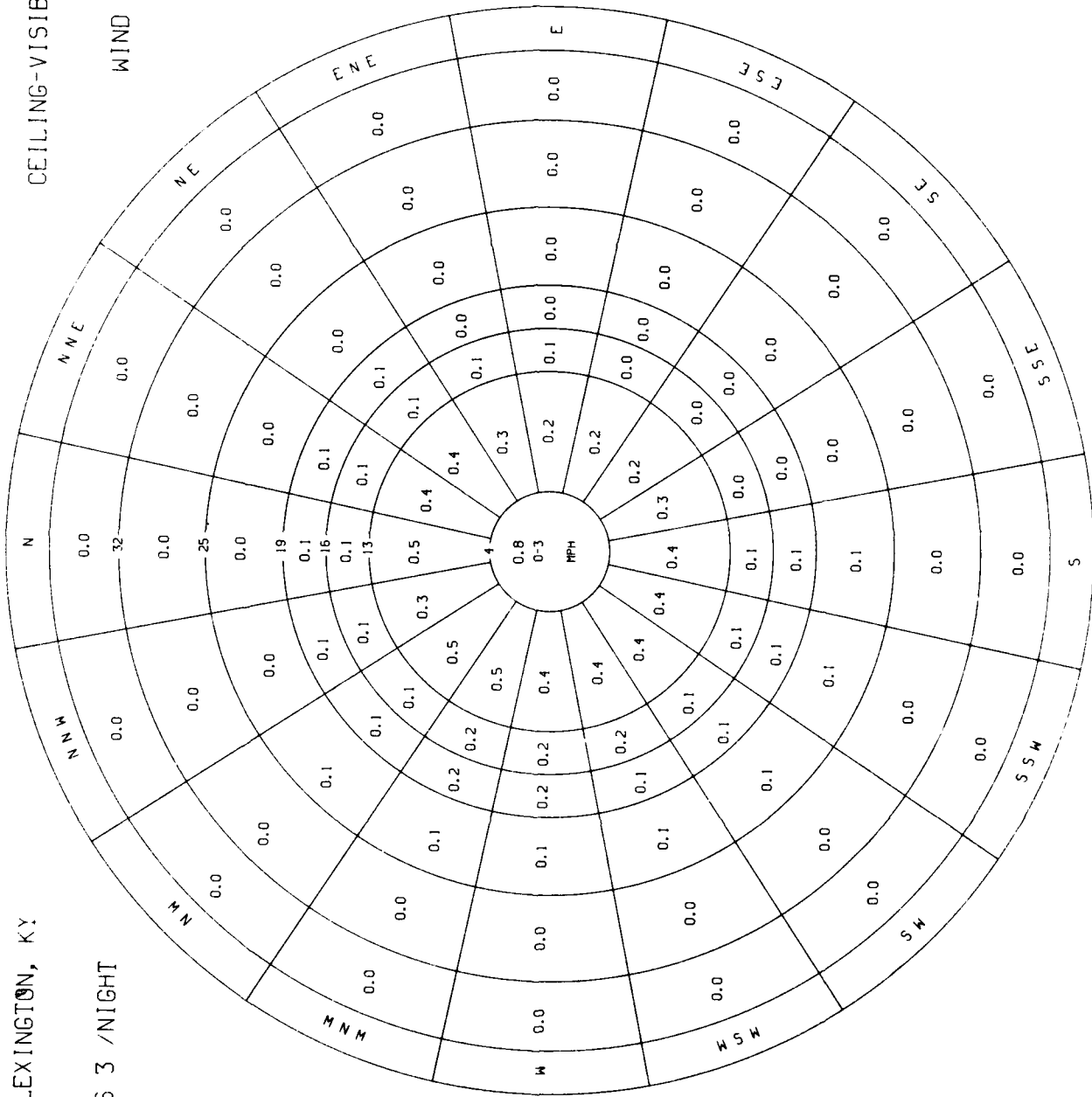
STATION NUMBER: 93820

NO. OBS.: 5217

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |     |     |    |       |     | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|-----|-----|----|-------|-----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 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   | 4.1  | .1    | 1.0  | .1    | .4   | .0    | .2  | .0    | .0  | .0  | .0 | .7    | 5.9 | 10.3                 |
| NNE         | .0                 | .4  | .4   | 3.7  | .2    | 1.6  | .1    | .7   | .0    | .4  | .0    | .0  | .0  | .0 | .8    | 6.8 | 11.1                 |
| NE          | .0                 | .3  | .4   | 3.9  | .1    | .8   | .0    | .4   | .0    | .1  | .0    | .0  | .0  | .0 | .6    | 5.6 | 9.7                  |
| ENE         | .0                 | .3  | .3   | 3.0  | .1    | .7   | .0    | .3   | .0    | .0  | .0    | .0  | .0  | .0 | .5    | 4.4 | 9.6                  |
| E           | .0                 | .3  | .3   | 2.7  | .1    | .4   | .0    | .2   | .0    | .1  | .0    | .0  | .0  | .0 | .4    | 3.7 | 8.9                  |
| ESE         | .0                 | .4  | .2   | 1.9  | .0    | .3   | .0    | .1   | .0    | .0  | .0    | .0  | .0  | .0 | .3    | 2.8 | 8.3                  |
| SE          | .0                 | .2  | .2   | 1.9  | .0    | .4   | .0    | .2   | .0    | .0  | .0    | .0  | .0  | .0 | .3    | 2.7 | 9.5                  |
| SSE         | .0                 | .2  | .3   | 2.9  | .1    | .6   | .1    | .4   | .0    | .4  | .0    | .1  | .0  | .0 | .5    | 4.7 | 11.2                 |
| S           | .0                 | .4  | .6   | 5.3  | .1    | 1.2  | .2    | 1.4  | .1    | .7  | .0    | .1  | .0  | .0 | 1.0   | 9.1 | 11.4                 |
| SSW         | .0                 | .3  | .5   | 4.4  | .2    | 1.6  | .2    | 1.3  | .1    | .7  | .0    | .2  | .0  | .1 | 1.0   | 8.7 | 12.4                 |
| SW          | .0                 | .2  | .5   | 4.2  | .1    | 1.3  | .1    | 1.2  | .1    | .7  | .0    | .3  | .0  | .0 | .9    | 7.8 | 12.4                 |
| WSW         | .0                 | .2  | .4   | 3.9  | .2    | 1.4  | .1    | 1.1  | .1    | 1.1 | .0    | .2  | .0  | .1 | .9    | 8.0 | 12.9                 |
| W           | .0                 | .3  | .4   | 3.6  | .2    | 1.9  | .2    | 1.3  | .1    | 1.0 | .0    | .2  | .0  | .0 | 1.0   | 8.4 | 13.0                 |
| WNW         | .0                 | .2  | .4   | 3.9  | .2    | 1.5  | .1    | 1.2  | .1    | 1.0 | .0    | .4  | .0  | .0 | .9    | 8.3 | 13.3                 |
| NW          | .0                 | .2  | .4   | 3.3  | .1    | .8   | .1    | .7   | .0    | .4  | .0    | .0  | .0  | .0 | .6    | 5.4 | 11.2                 |
| NNW         | .0                 | .2  | .3   | 3.0  | .1    | 1.1  | .1    | .6   | .0    | .2  | .0    | .0  | .0  | .0 | .6    | 5.1 | 11.2                 |
| CALM        | .3                 | 2.6 |      |      |       |      |       |      |       |     |       |     |     |    | .3    | 2.6 |                      |
| TOTAL       | .8                 | 7.0 | 6.3  | 55.7 | 1.9   | 16.7 | 1.3   | 11.7 | .8    | 6.9 | .2    | 1.7 | .0  | .2 | 11.4  | 100 | 11.2                 |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

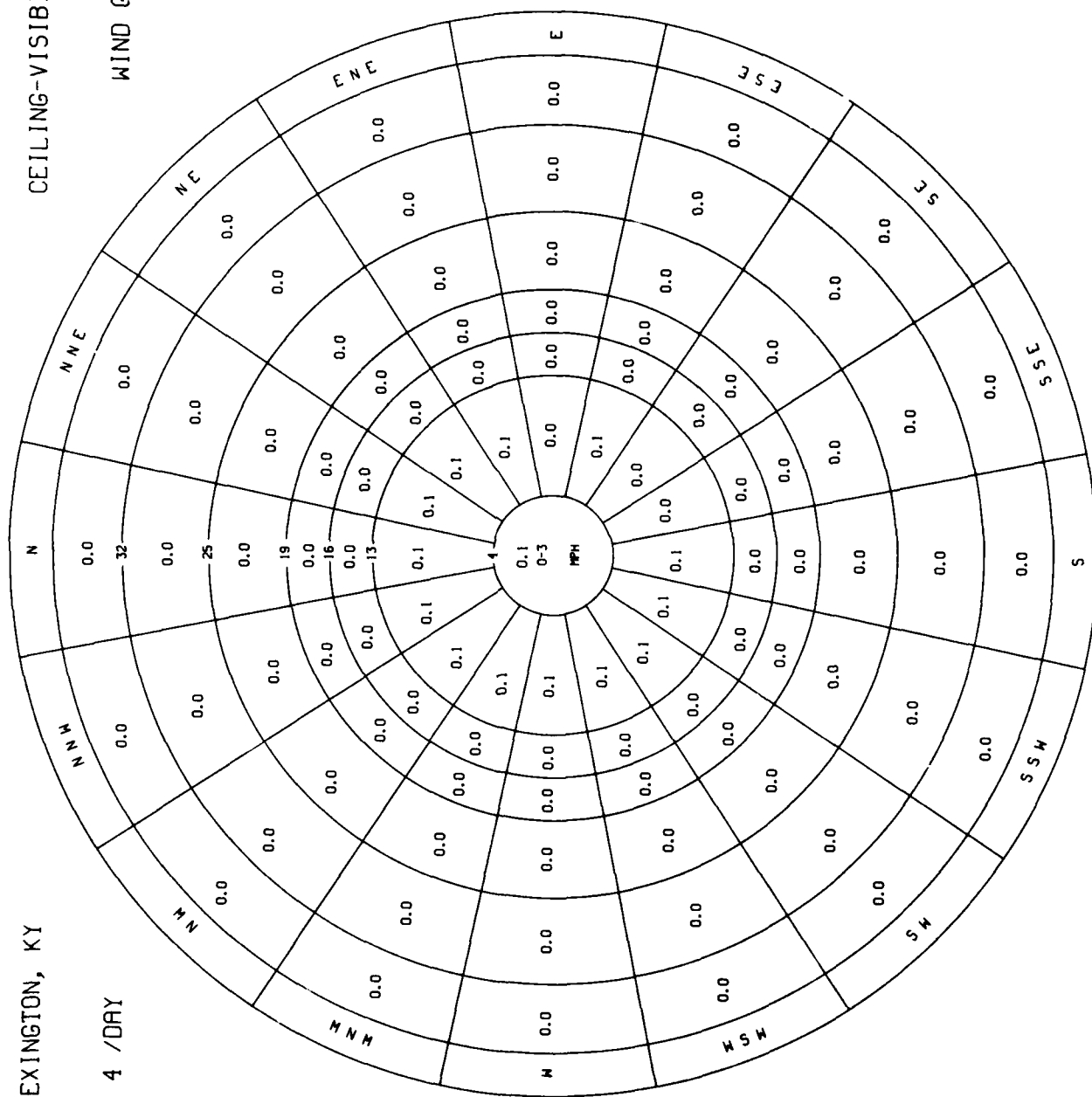
CLASS 3 / NIGHT

STATION NUMBER: 93820

NO. OBS.: 4054

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |     |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|-----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |     | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B    | A     | B   | A     | B   | A   | B  |                      |
| N           | .0                 | .3  | .5   | 5.0  | .1    | 1.1  | .1    | .7   | .0    | .2  | .0    | .0  | .0  | .0 | .8 7.3 10.2          |
| NNE         | .0                 | .2  | .4   | 3.7  | .1    | .9   | .1    | .8   | .0    | .3  | .0    | .1  | .0  | .0 | .6 6.0 10.8          |
| NE          | .1                 | .6  | .4   | 3.5  | .1    | .9   | .1    | .5   | .0    | .1  | .0    | .0  | .0  | .0 | .6 5.6 9.6           |
| ENE         | .0                 | .4  | .3   | 3.2  | .1    | .8   | .0    | .3   | .0    | .0  | .0    | .0  | .0  | .0 | .5 4.8 9.1           |
| E           | .0                 | .3  | .2   | 2.2  | .1    | .5   | .0    | .2   | .0    | .0  | .0    | .0  | .0  | .0 | .3 3.3 9.4           |
| ESE         | .0                 | .2  | .2   | 2.2  | .0    | .3   | .0    | .1   | .0    | .1  | .0    | .0  | .0  | .0 | .3 2.9 8.6           |
| SE          | .0                 | .3  | .2   | 1.9  | .0    | .2   | .0    | .1   | .0    | .0  | .0    | .0  | .0  | .0 | .3 2.5 7.8           |
| SSE         | .0                 | .3  | .3   | 2.6  | .0    | .3   | .0    | .3   | .0    | .2  | .0    | .0  | .0  | .0 | .4 3.7 9.6           |
| S           | .1                 | .7  | .4   | 4.2  | .1    | 1.2  | .1    | .7   | .1    | .5  | .0    | .1  | .0  | .0 | .8 7.4 10.6          |
| SSW         | .0                 | .4  | .4   | 3.6  | .1    | 1.1  | .1    | .8   | .1    | .7  | .0    | .3  | .0  | .0 | .7 7.0 12.3          |
| SW          | .0                 | .1  | .4   | 3.7  | .1    | 1.3  | .1    | 1.0  | .1    | .8  | .0    | .4  | .0  | .0 | .8 7.4 12.9          |
| WSW         | .0                 | .1  | .4   | 3.7  | .2    | 1.6  | .1    | 1.2  | .1    | .8  | .0    | .4  | .0  | .2 | .8 8.0 13.7          |
| W           | .0                 | .2  | .4   | 4.3  | .2    | 1.7  | .2    | 1.5  | .1    | .9  | .0    | .4  | .0  | .1 | .9 9.1 13.4          |
| WNW         | .0                 | .4  | .5   | 4.6  | .2    | 1.8  | .2    | 1.5  | .1    | .8  | .0    | .4  | .0  | .0 | 1.0 9.5 12.7         |
| NW          | .0                 | .2  | .5   | 4.4  | .1    | 1.1  | .1    | .7   | .1    | .6  | .0    | .1  | .0  | .0 | .7 7.1 11.1          |
| NNW         | .0                 | .3  | .3   | 3.2  | .1    | 1.3  | .1    | .7   | .0    | .3  | .0    | .0  | .0  | .0 | .6 5.8 11.5          |
| CALM        | .3                 | 2.7 |      |      |       |      |       |      |       |     |       |     |     |    | .3 2.7               |
| TOTAL       | .8                 | 7.9 | 5.9  | 56.0 | 1.7   | 16.1 | 1.1   | 11.0 | .7    | 6.5 | .2    | 2.3 | .0  | .3 | 10.5 100 11.0        |

LEX LEXINGTON, KY  
 CLASS 4 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 4 / DAY

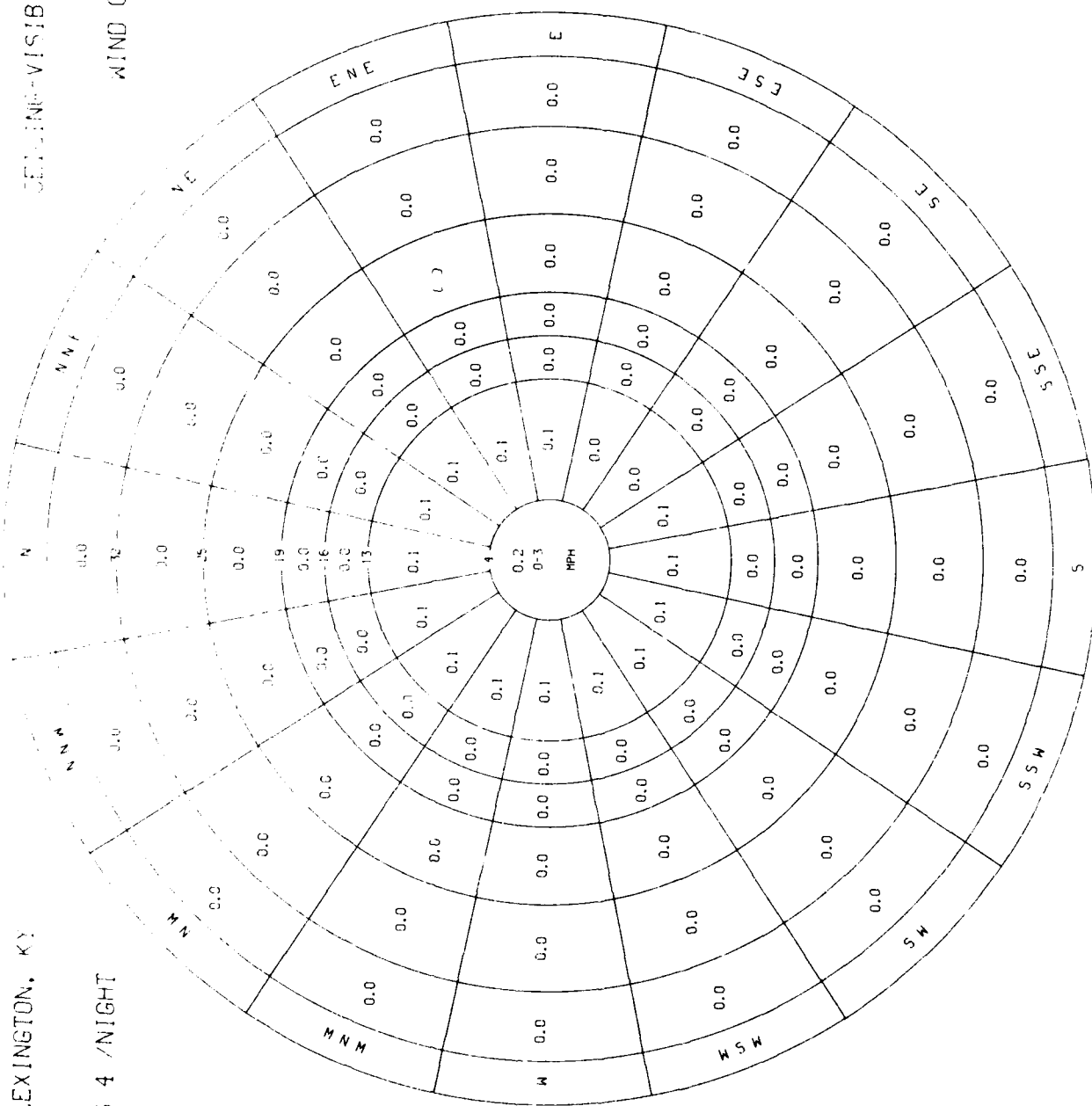
STATION NUMBER: 93820

NO. OBS.: 660

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 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   | 6.4  | .0    | 2.0  | .0    | .9  | .0    | .2  | .0    | .0 | .0  | .0 | .1                   | 9.7   | 10.3 |
| NNE         | .0                 | .2  | .1   | 5.0  | .0    | .5   | .0    | .9  | .0    | .8  | .0    | .2 | .0  | .0 | .1                   | 7.4   | 11.5 |
| NE          | .0                 | .2  | .1   | 6.1  | .0    | .8   | .0    | .5  | .0    | .0  | .0    | .0 | .0  | .0 | .1                   | 7.4   | 9.2  |
| ENE         | .0                 | .9  | .1   | 4.2  | .0    | .5   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .1                   | 5.8   | 7.9  |
| E           | .0                 | .5  | .0   | 1.4  | .0    | .0   | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | .0                   | 2.3   | 8.7  |
| ESE         | .0                 | .2  | .1   | 3.9  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .1                   | 4.4   | 8.2  |
| SE          | .0                 | .8  | .0   | 2.3  | .0    | .2   | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .1                   | 3.5   | 8.4  |
| SSE         | .0                 | .2  | .0   | 2.6  | .0    | .3   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 3.0   | 8.1  |
| S           | .0                 | .6  | .1   | 6.1  | .0    | .5   | .0    | .6  | .0    | .3  | .0    | .0 | .0  | .0 | .1                   | 8.0   | 8.9  |
| SSW         | .0                 | .3  | .1   | 4.1  | .0    | .8   | .0    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .1                   | 5.8   | 9.7  |
| SW          | .0                 | .3  | .1   | 3.9  | .0    | 1.4  | .0    | .0  | .0    | .2  | .0    | .3 | .0  | .2 | .1                   | 6.2   | 11.0 |
| WSW         | .0                 | .0  | .1   | 3.5  | .0    | 1.1  | .0    | .3  | .0    | .3  | .0    | .0 | .0  | .3 | .1                   | 5.5   | 12.4 |
| W           | .0                 | .6  | .1   | 3.9  | .0    | 1.1  | .0    | .8  | .0    | .2  | .0    | .0 | .0  | .0 | .1                   | 6.5   | 9.9  |
| WNW         | .0                 | .5  | .1   | 4.1  | .0    | .9   | .0    | 1.4 | .0    | .8  | .0    | .3 | .0  | .0 | .1                   | 7.9   | 12.0 |
| NW          | .0                 | .2  | .1   | 3.9  | .0    | .9   | .0    | 1.1 | .0    | .2  | .0    | .0 | .0  | .2 | .1                   | 6.4   | 11.4 |
| NNW         | .0                 | .5  | .1   | 4.2  | .0    | 1.2  | .0    | 1.2 | .0    | .3  | .0    | .0 | .0  | .0 | .1                   | 7.4   | 11.1 |
| CALM        | .0                 | 2.9 |      |      |       |      |       |     |       |     |       |    |     |    | .0                   | 2.9   |      |
| TOTAL       | .1                 | 8.8 | .9   | 65.6 | .2    | 12.0 | .1    | 8.9 | .0    | 3.3 | .0    | .8 | .0  | .6 | 1.4                  | 100   | 9.9  |

LEXINGTON, KY

CLASS 4 / NIGHT





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEXINGTON, KY

PERIOD: 1948-1978

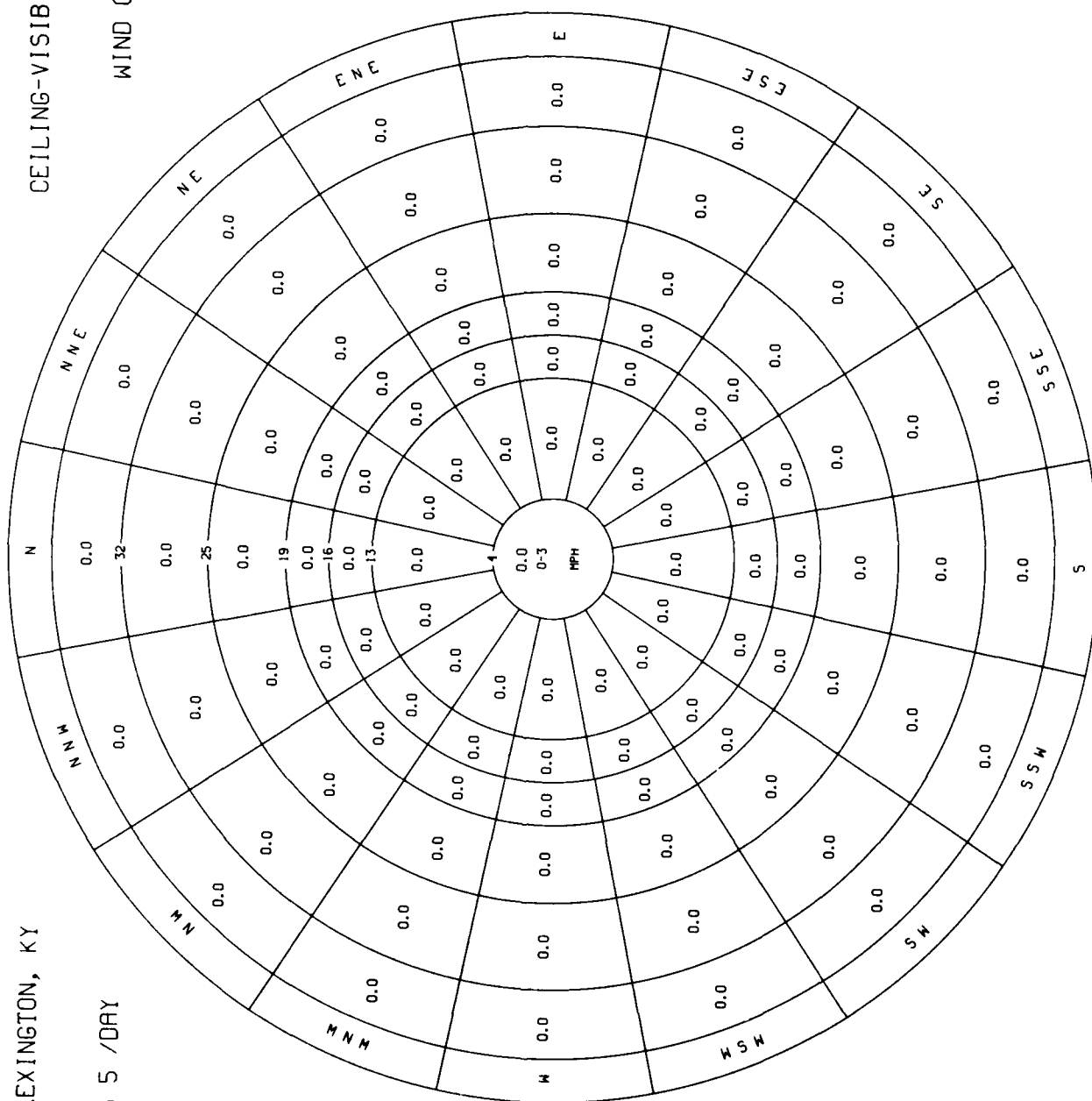
CLASS 4 / NIGHT

STATION NUMBER: 93820

NO. OBS.: 832

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .0  | .1   | 6.5  | .0    | 1.7  | .0    | .7  | .0    | .6  | .0    | .0 | .0  | .0 | .2 9.5 10.8          |
| NNE         | .0                 | .5  | .1   | 4.8  | .0    | 1.3  | .0    | .8  | .0    | .4  | .0    | .1 | .0  | .0 | .2 7.9 10.6          |
| NNE         | .0                 | .2  | .1   | 5.6  | .0    | .7   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .2 7.2 9.4           |
| ENE         | .0                 | .4  | .1   | 4.6  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .1 5.4 8.3           |
| E           | .0                 | .1  | .1   | 2.8  | .0    | .7   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 3.7 9.2           |
| ESE         | .0                 | .6  | .0   | 1.9  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 2.9 7.4           |
| SE          | .0                 | .2  | .0   | 1.8  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 2.4 8.6           |
| SSE         | .0                 | .8  | .1   | 3.4  | .0    | .8   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .1 5.3 8.6           |
| S           | .0                 | .7  | .1   | 5.2  | .0    | .5   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .1 6.9 8.1           |
| SSW         | .0                 | .2  | .1   | 4.2  | .0    | 1.0  | .0    | .2  | .0    | .4  | .0    | .0 | .0  | .0 | .1 6.0 10.0          |
| SW          | .0                 | .2  | .1   | 3.7  | .0    | 1.0  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .1 5.2 9.5           |
| WSW         | .0                 | .5  | .1   | 4.2  | .0    | 1.0  | .0    | .4  | .0    | .5  | .0    | .1 | .0  | .1 | .1 6.7 10.8          |
| W           | .0                 | .2  | .1   | 4.2  | .0    | 1.4  | .0    | .8  | .0    | .4  | .0    | .2 | .0  | .0 | .2 7.3 11.2          |
| WNW         | .0                 | .5  | .1   | 3.5  | .0    | 1.6  | .0    | .5  | .0    | .8  | .0    | .2 | .0  | .1 | .2 7.1 12.1          |
| NW          | .0                 | .4  | .1   | 4.0  | .0    | .8   | .0    | 1.0 | .0    | .4  | .0    | .0 | .0  | .0 | .1 6.5 10.9          |
| NNW         | .0                 | .1  | .1   | 4.1  | .0    | 1.2  | .0    | .6  | .0    | .6  | .0    | .0 | .0  | .0 | .1 6.6 11.2          |
| CALM        | .1                 | 3.4 |      |      |       |      |       |     |       |     |       |    |     |    | .1 3.4               |
| TOTAL       | .2                 | 9.1 | 1.4  | 64.1 | .3    | 14.1 | .1    | 6.9 | .1    | 4.3 | .0    | .7 | .0  | .1 | 2.1 100 9.7          |

LEX LEXINGTON, KY  
 CLASS 5 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 93820

NO. OBS.: 112

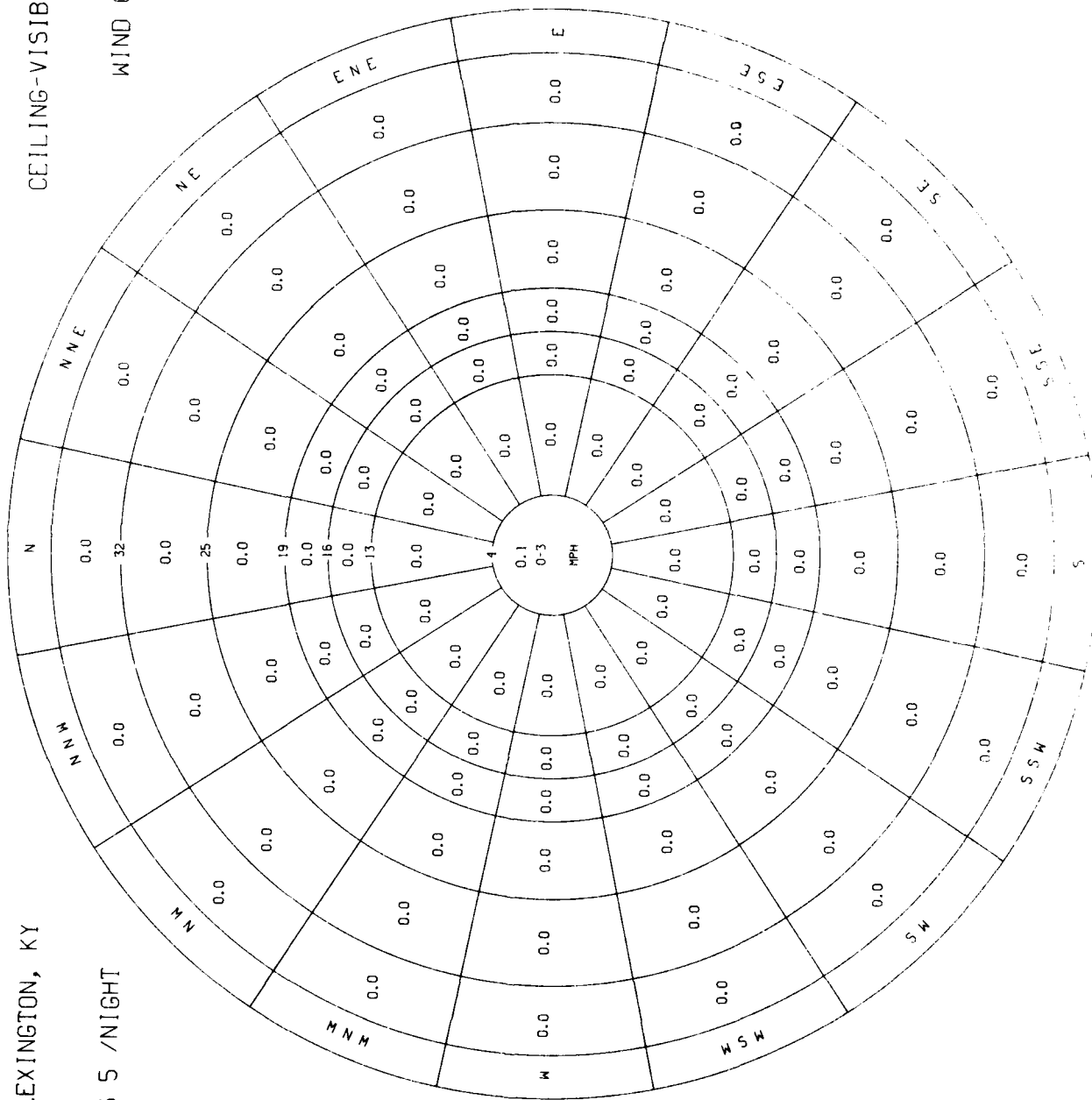
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |     |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|-----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 3.6  | .0    | .9  | .0    | .9  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 5.4  | 10.2 |
| NNE         | .0                 | 1.8  | .0   | 4.5  | .0    | .9  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 7.1  | 8.8  |
| NE          | .0                 | .9   | .0   | 9.8  | .0    | .9  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 11.6 | 8.0  |
| ENE         | .0                 | .0   | .0   | 4.5  | .0    | .9  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 5.4  | 8.2  |
| E           | .0                 | .0   | .0   | 6.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 6.3  | 8.4  |
| ESE         | .0                 | 2.7  | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 3.6  | 4.0  |
| SE          | .0                 | .0   | .0   | 2.7  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 2.7  | 7.0  |
| SSE         | .0                 | .9   | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 2.7  | 6.7  |
| S           | .0                 | .9   | .0   | 5.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 6.3  | 6.5  |
| SSW         | .0                 | .9   | .0   | 8.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 8.9  | 7.7  |
| SW          | .0                 | .0   | .0   | 6.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 7.1  | 11.0 |
| WSW         | .0                 | .9   | .0   | 2.7  | .0    | .0  | .0    | .0  | .0    | .9  | .0    | .9  | .0  | .0 | .0                   | .0    | 5.4  | 12.3 |
| W           | .0                 | .0   | .0   | 2.7  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .9  | .0  | .0 | .0                   | .0    | 3.6  | 11.2 |
| WNW         | .0                 | 1.8  | .0   | 4.5  | .0    | .0  | .0    | .0  | 1.8   | .0  | .0    | .9  | .0  | .0 | .0                   | .0    | 8.9  | 10.3 |
| NW          | .0                 | .0   | .0   | 6.3  | .0    | .9  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0                   | .0    | 7.1  | 8.0  |
| NNW         | .0                 | .9   | .0   | .9   | .0    | .0  | .0    | .9  | .0    | .9  | .0    | .0  | .0  | .0 | .0                   | .0    | 3.6  | 12.5 |
| CALM        | .0                 | 4.5  |      |      |       |     |       |     |       |     |       |     |     |    | .0                   | 4.5   |      |      |
| TOTAL       | .0                 | 16.1 | .2   | 70.5 | .0    | 4.5 | .0    | 3.6 | .0    | 1.8 | .0    | 2.7 | .0  | .9 | .2                   | 100   |      | 8.5  |

LEX LEXINGTON, KY

CLASS 5 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 5 / NIGHT

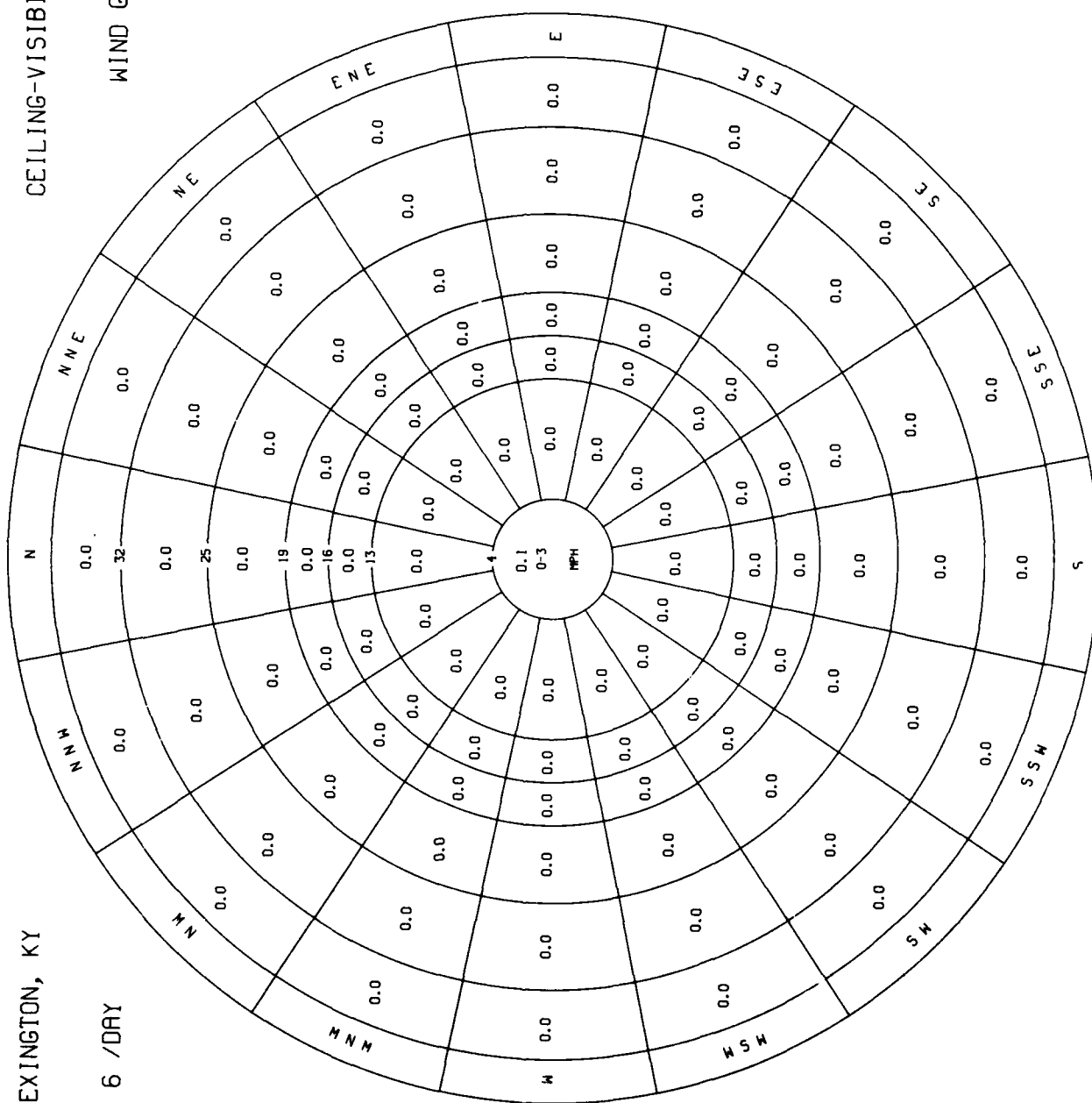
STATION NUMBER: 93820

NO. OBS.: 223

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .4   | .0   | 3.6  | .0    | .4  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 4.5 7.3           |
| NNE         | .0                 | .9   | .0   | 4.0  | .0    | .4  | .0    | .9  | .0    | .9  | .0    | .0 | .0  | .0 | .0 7.2 10.9          |
| NE          | .0                 | 1.8  | .0   | 4.5  | .0    | .0  | .0    | .4  | .0    | .0  | .0    | .0 | .0  | .0 | .0 6.7 6.7           |
| ENE         | .0                 | .4   | .0   | 5.8  | .0    | .4  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 6.7 8.2           |
| E           | .0                 | .0   | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 3.1 7.3           |
| ESE         | .0                 | .9   | .0   | 2.7  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 3.6 6.9           |
| SE          | .0                 | .9   | .0   | 4.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 4.9 6.8           |
| SSE         | .0                 | .4   | .0   | 4.9  | .0    | .4  | .0    | .4  | .0    | .0  | .0    | .0 | .0  | .0 | .0 6.3 8.1           |
| S           | .0                 | .9   | .0   | 5.8  | .0    | .4  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 7.2 7.7           |
| SSW         | .0                 | .9   | .0   | 4.9  | .0    | .4  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 6.3 6.8           |
| SW          | .0                 | 1.3  | .0   | 4.9  | .0    | .9  | .0    | 1.3 | .0    | .4  | .0    | .0 | .0  | .1 | .0 9.0 9.2           |
| WSW         | .0                 | .4   | .0   | 3.1  | .0    | .9  | .0    | .9  | .0    | .4  | .0    | .0 | .0  | .0 | .0 5.8 11.0          |
| W           | .0                 | .9   | .0   | 3.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .4 | .0  | .9 | .0 5.8 12.9          |
| WNW         | .0                 | .9   | .0   | 4.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 4.9 7.7           |
| NW          | .0                 | .0   | .0   | 6.3  | .0    | .4  | .0    | .4  | .0    | .4  | .0    | .0 | .0  | .0 | .0 7.6 9.9           |
| NNW         | .0                 | .4   | .0   | 3.6  | .0    | .4  | .0    | .4  | .0    | .0  | .0    | .0 | .0  | .0 | .0 4.9 9.5           |
| CALM        | .0                 | 5.4  |      |      |       |     |       |     |       |     |       |    |     |    | .0 5.4               |
| TOTAL       | .1                 | 17.0 | .4   | 69.1 | .0    | 5.4 | .0    | 4.9 | .0    | 2.2 | .0    | .4 | .0  | .9 | .6 100 8.2           |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

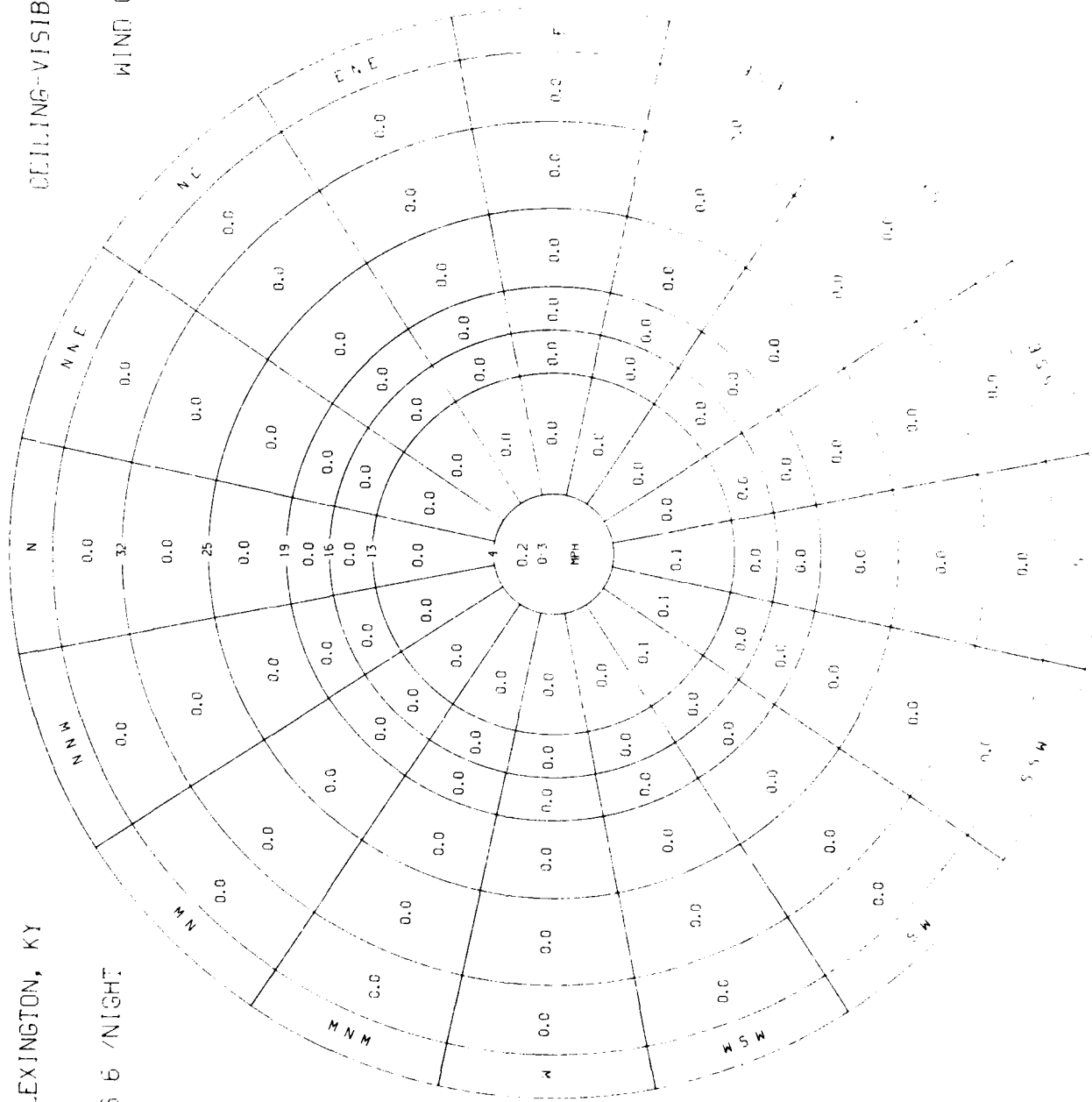
CLASS 6 / DAY

STATION NUMBER: 93820

NO. OBS.: 135

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 5.9  | .0    | .7  | .0    | .0  | .0    | .7 | .0    | .0 | .0  | .0 | .0    | 10.4 | 7.6                  |
| NNE         | .0                 | .7   | .0   | 8.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 8.9  | 7.0                  |
| NE          | .0                 | .7   | .0   | 6.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 7.4  | 6.0                  |
| ENE         | .0                 | .7   | .0   | 7.4  | .0    | .7  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 8.9  | 7.9                  |
| E           | .0                 | .7   | .0   | 2.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.0  | 5.2                  |
| ESE         | .0                 | .7   | .0   | 4.4  | .0    | .0  | .0    | .7  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.9  | 8.4                  |
| SE          | .0                 | 1.5  | .0   | 2.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.7  | 5.8                  |
| SSE         | .0                 | .7   | .0   | 5.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.9  | 5.9                  |
| S           | .0                 | 1.5  | .0   | 7.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 8.9  | 6.6                  |
| SSW         | .0                 | 2.2  | .0   | 3.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.2  | 5.9                  |
| SW          | .0                 | .7   | .0   | 2.2  | .0    | .0  | .0    | .7  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.7  | 7.8                  |
| WSW         | .0                 | .0   | .0   | 2.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.2  | 7.0                  |
| W           | .0                 | 1.5  | .0   | 4.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.9  | 6.6                  |
| WNW         | .0                 | .0   | .0   | 4.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 4.4  | 7.5                  |
| NW          | .0                 | .7   | .0   | 1.5  | .0    | .7  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.0  | 6.7                  |
| NNW         | .0                 | .7   | .0   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.2  | 7.0                  |
| CALM        | .0                 | 10.4 |      |      |       |     |       |     |       |    |       |    |     |    | .0    | 10.4 |                      |
| TOTAL       | .1                 | 26.7 | .2   | 68.9 | .0    | 2.2 | .0    | 1.5 | .0    | .7 | .0    | .0 | .0  | .0 | .3    | 100  | 6.2                  |

LEX LEXINGTON, KY  
 CLASS 6 / NIGHT  
 CEILING-VISIBILITY  
 WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LEX LEXINGTON, KY

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 93820

NO. OBS.: 333

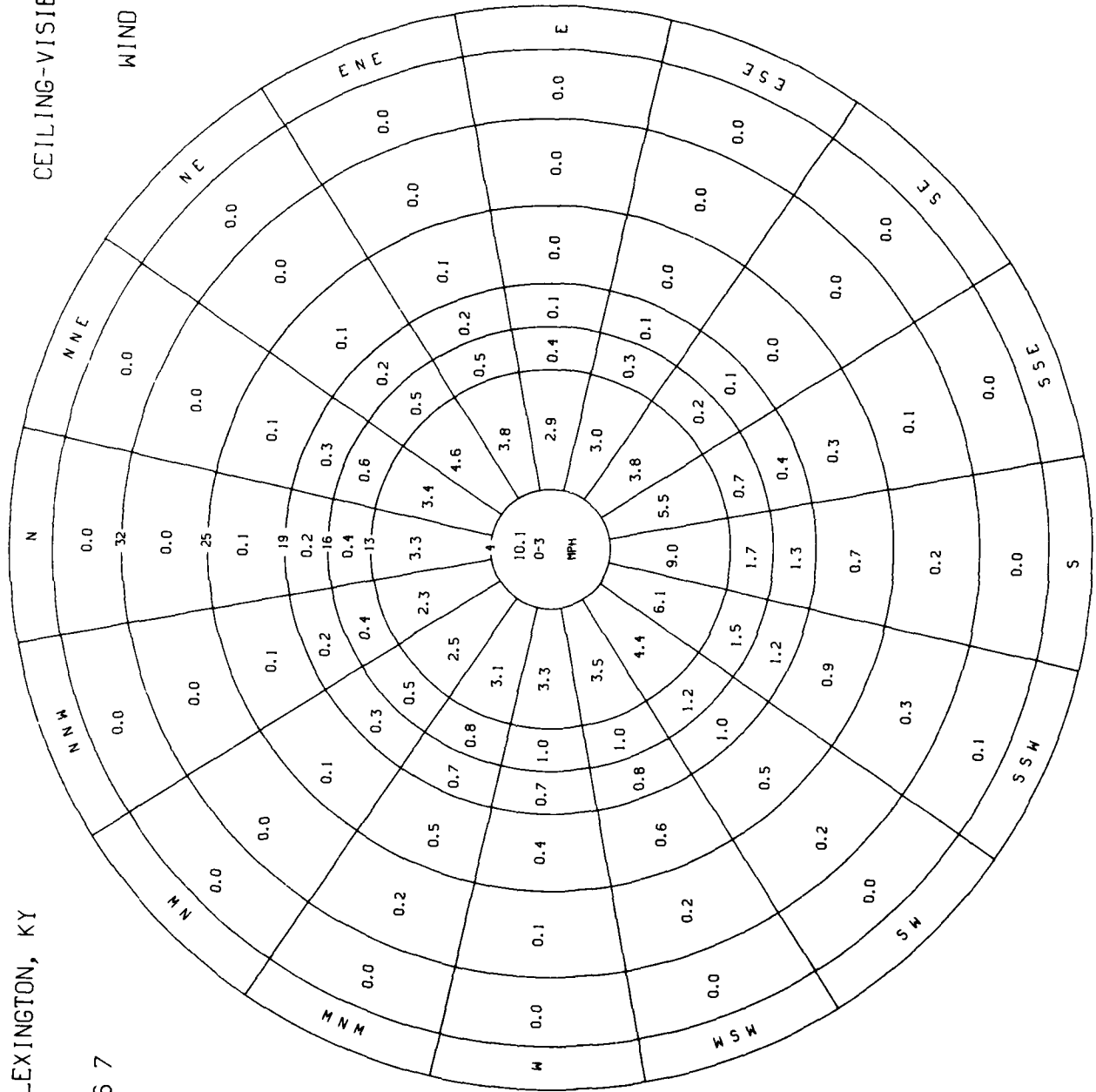
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | .6   | .0   | 3.3  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.2               |
| NNE         | .0                 | 1.2  | .0   | 3.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.1               |
| NNE         | .0                 | .9   | .0   | 5.4  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.6               |
| ENE         | .0                 | .6   | .0   | 2.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.7               |
| E           | .0                 | .9   | .0   | 1.5  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.7               |
| ESE         | .0                 | .0   | .0   | 3.9  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.5               |
| SE          | .0                 | 1.5  | .0   | 3.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.4               |
| SSE         | .0                 | 1.2  | .0   | 5.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.6               |
| S           | .0                 | 2.4  | .1   | 7.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 9.6               |
| SSW         | .0                 | 1.8  | .1   | 6.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 8.7               |
| SW          | .0                 | .6   | .1   | 7.2  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 8.4               |
| WSW         | .0                 | .9   | .0   | 2.7  | .0    | .3  | .0    | .3 | .0    | .3 | .0    | .0 | .0  | .6 | .0 5.1               |
| W           | .0                 | 1.8  | .0   | 2.7  | .0    | .0  | .0    | .3 | .0    | .0 | .0    | .3 | .0  | .0 | .0 5.1               |
| WNW         | .0                 | .9   | .0   | 3.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.5               |
| NW          | .0                 | .6   | .0   | 2.7  | .0    | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.2               |
| N'W         | .0                 | .3   | .0   | 3.3  | .0    | .3  | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.2               |
| CALM        | .1                 | 12.3 |      |      |       |     |       |    |       |    |       |    |     |    | .1 12.3              |
| TOTAL       | .2                 | 28.5 | .6   | 65.8 | .0    | 3.3 | .0    | .9 | .0    | .3 | .0    | .3 | .0  | .9 | 100 6.1              |

LEX LEXINGTON, KY

CLASS 7

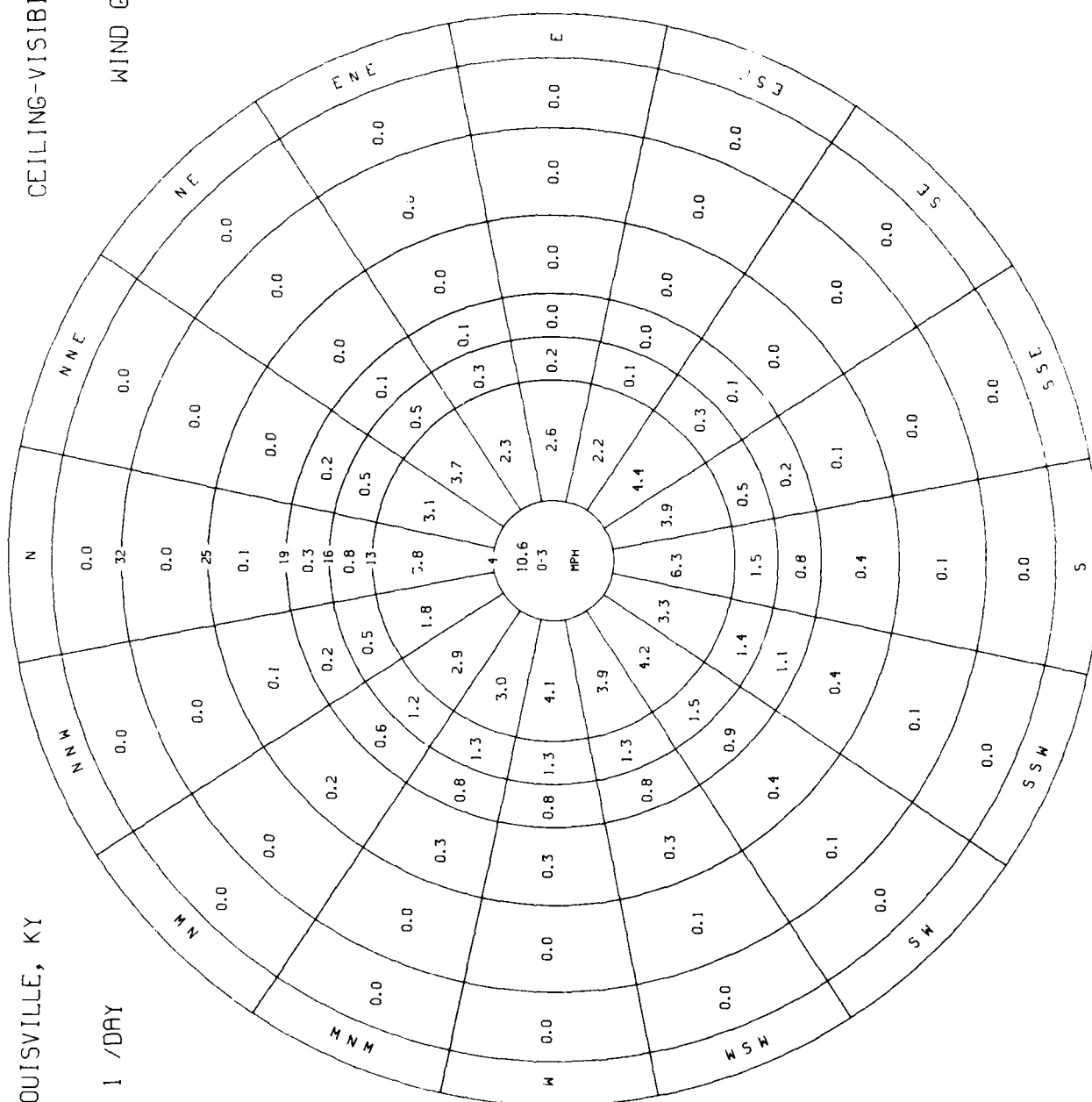
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



LOU LOUISVILLE, KY

CLASS 1 /DAY

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# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 1 / DAY

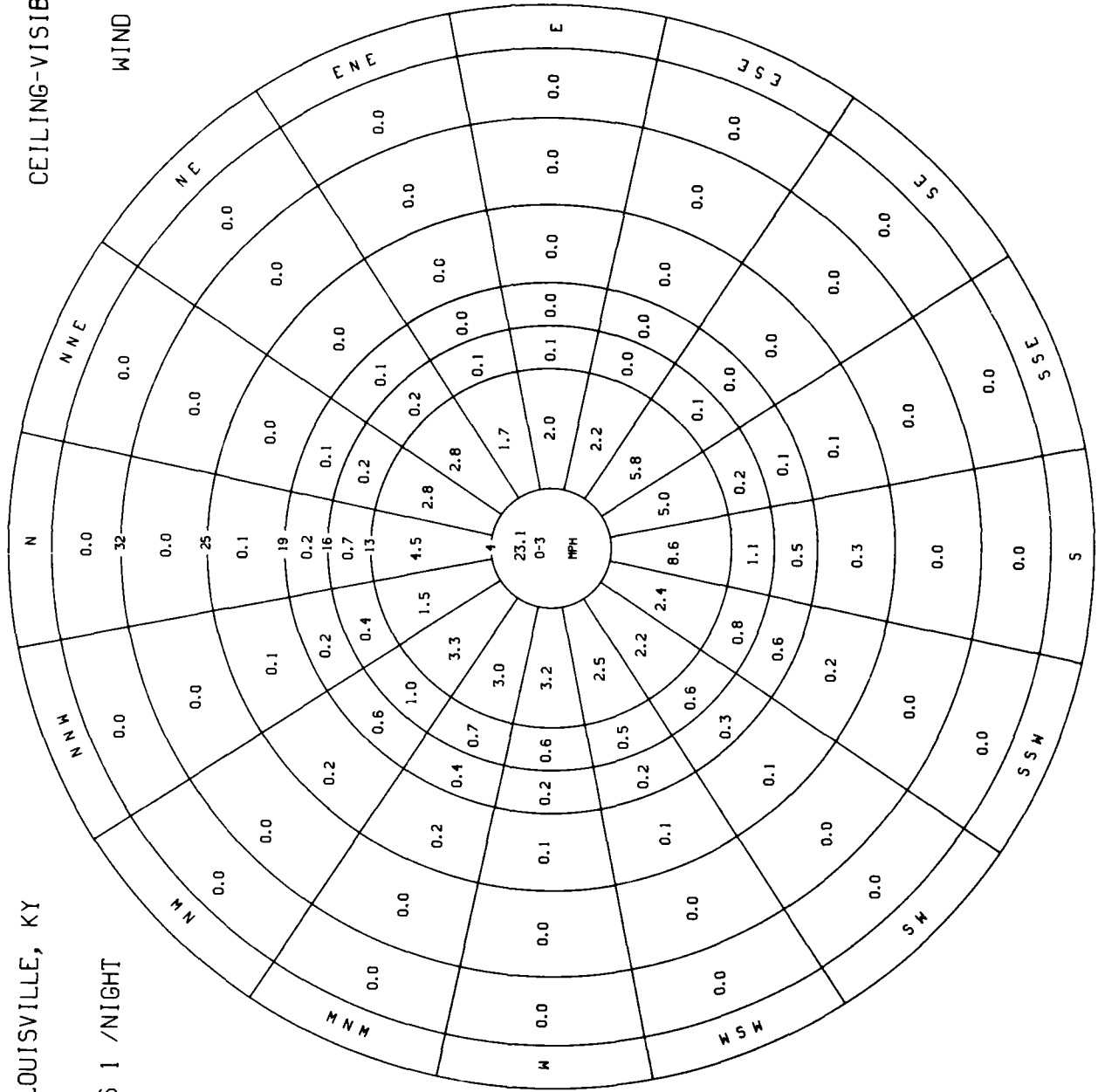
STATION NUMBER: 93821

NO. OBS.: 43848

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | AVE<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             |                    |      |      |      |       |      |       |     |       |     |       |    |     |    | C     | D    |                      |
| N           | .5                 | .6   | 3.8  | 4.2  | .8    | .9   | .3    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 5.5   | 6.2  | 9.3                  |
| NNE         | .3                 | .3   | 3.1  | 3.5  | .5    | .5   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 4.1   | 4.6  | 8.7                  |
| NE          | .6                 | .7   | 3.7  | 4.2  | .5    | .5   | .1    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 5.0   | 5.6  | 8.1                  |
| ENE         | .3                 | .4   | 2.3  | 2.6  | .3    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.0   | 3.4  | 8.2                  |
| E           | .7                 | .8   | 2.6  | 2.9  | .2    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.6   | 4.0  | 7.1                  |
| ESE         | .7                 | .8   | 2.2  | 2.5  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.0   | 3.4  | 6.4                  |
| SE          | 1.4                | 1.5  | 4.4  | 5.0  | .3    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 6.2   | 6.9  | 6.6                  |
| SSE         | .8                 | .9   | 3.9  | 4.4  | .5    | .5   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 5.5   | 6.1  | 8.0                  |
| S           | .9                 | 1.0  | 6.3  | 7.0  | 1.5   | 1.7  | .8    | .9  | .4    | .4  | .1    | .1 | .0  | .0 | 9.9   | 11.1 | 9.9                  |
| SSW         | .3                 | .3   | 3.3  | 3.7  | 1.4   | 1.6  | 1.1   | 1.2 | .4    | .5  | .1    | .1 | .0  | .0 | 6.6   | 7.4  | 12.1                 |
| SW          | .4                 | .5   | 4.2  | 4.7  | 1.5   | 1.7  | .9    | 1.0 | .4    | .4  | .1    | .1 | .0  | .0 | 5.5   | 6.4  | 11.3                 |
| WSW         | .2                 | .3   | 3.9  | 4.3  | 1.3   | 1.5  | .8    | .9  | .3    | .3  | .1    | .1 | .0  | .0 | 6.5   | 7.3  | 11.3                 |
| W           | .4                 | .4   | 4.1  | 4.6  | 1.3   | 1.5  | .8    | .9  | .3    | .3  | .0    | .0 | .0  | .0 | 6.9   | 7.7  | 10.8                 |
| WNW         | .2                 | .3   | 3.0  | 3.3  | 1.3   | 1.5  | .8    | .9  | .3    | .4  | .0    | .0 | .0  | .0 | 5.6   | 6.3  | 11.7                 |
| NW          | .4                 | .4   | 2.9  | 3.3  | 1.2   | 1.3  | .6    | .6  | .2    | .2  | .0    | .0 | .0  | .0 | 5.2   | 5.9  | 10.9                 |
| NNW         | .2                 | .2   | 1.8  | 2.0  | .5    | .6   | .2    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 2.8   | 3.2  | 10.2                 |
| CALM        | 2.3                | 2.5  |      |      |       |      |       |     |       |     |       |    |     |    | 2.3   | 2.5  |                      |
| TOTAL       | 10.6               | 11.9 | 55.5 | 62.2 | 13.2  | 14.8 | 6.9   | 7.7 | 2.6   | 2.9 | .4    | .5 | .1  | .1 | 89.3  | 100  | 9.5                  |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 93821

NO. OBS.: 36793

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     | D    |                      |
| N           | 1.0                | 1.1  | 4.5  | 5.0  | .7    | .8  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 6.4   | 7.2  | 8.1                  |
| NNE         | .5                 | .5   | 2.8  | 3.1  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.6   | 4.0  | 7.4                  |
| NE          | .8                 | 1.0  | 2.8  | 3.1  | .2    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.0   | 4.5  | 6.9                  |
| ENE         | .5                 | .5   | 1.7  | 2.0  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.3   | 2.6  | 6.6                  |
| E           | 1.2                | 1.3  | 2.0  | 2.2  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.2   | 3.6  | 5.5                  |
| ESE         | 1.3                | 1.5  | 2.2  | 2.5  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.6   | 4.0  | 5.0                  |
| SE          | 3.0                | 3.4  | 5.8  | 6.5  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 9.0   | 10.1 | 5.4                  |
| SSE         | 2.0                | 2.3  | 5.0  | 5.7  | .2    | .3  | .1    | .1  | .1    | .1  | .0    | .0 | .0  | .0 | 7.5   | 8.4  | 6.2                  |
| S           | 2.2                | 2.5  | 8.6  | 9.7  | 1.1   | 1.2 | .5    | .5  | .3    | .3  | .0    | .1 | .0  | .0 | 12.7  | 14.3 | 7.8                  |
| SSW         | .3                 | .4   | 2.4  | 2.8  | .8    | .8  | .6    | .6  | .2    | .2  | .0    | .0 | .0  | .0 | 4.3   | 4.9  | 10.8                 |
| SW          | .4                 | .5   | 2.2  | 2.5  | .6    | .6  | .3    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 3.6   | 4.1  | 9.9                  |
| WSW         | .2                 | .3   | 2.5  | 2.8  | .5    | .6  | .2    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 3.5   | 4.0  | 9.4                  |
| W           | .4                 | .5   | 3.2  | 3.6  | .6    | .7  | .2    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 4.6   | 5.2  | 8.9                  |
| WNW         | .4                 | .4   | 3.0  | 3.3  | .7    | .7  | .4    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 4.6   | 5.2  | 10.0                 |
| NW          | .6                 | .7   | 3.3  | 3.7  | 1.0   | 1.1 | .6    | .6  | .2    | .2  | .0    | .0 | .0  | .0 | 5.6   | 6.3  | 10.0                 |
| NNW         | .4                 | .4   | 1.5  | 1.7  | .4    | .5  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 2.6   | 2.9  | 9.2                  |
| CALM        | 7.7                | 8.7  |      |      |       |     |       |     |       |     |       |    |     |    | 7.7   | 8.7  |                      |
| TOTAL       | 23.1               | 26.0 | 53.5 | 60.2 | 7.1   | 8.0 | 3.6   | 4.1 | 1.3   | 1.5 | .2    | .2 | .0  | .0 | 88.8  | 100  | 7.1                  |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1942-1978

CLASS 2 / DAY

STATION NUMBER: 93821

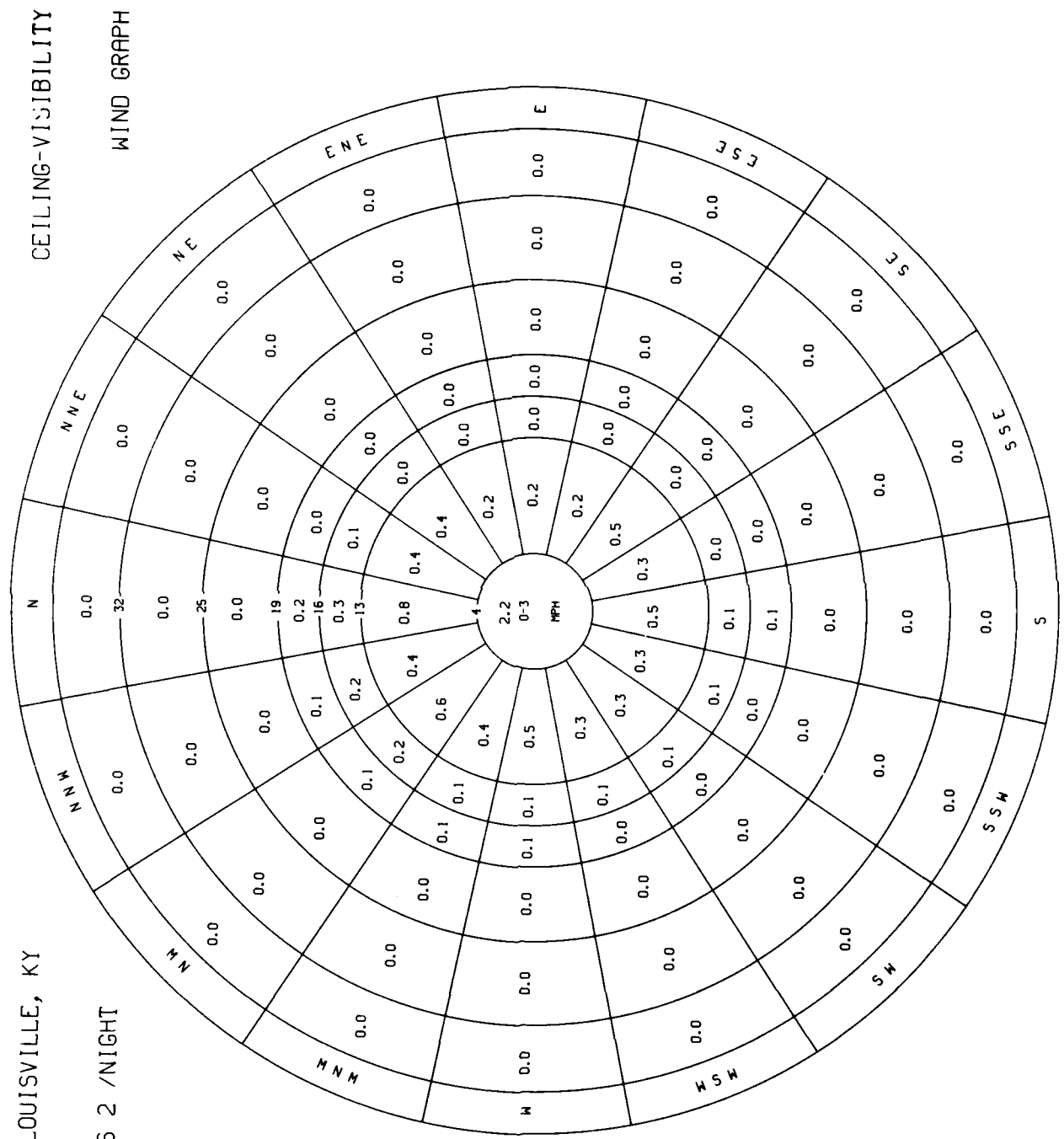
NO. OBS.: 5270

| D<br>I<br>R | SPEED GROUPS (MPH) |      |   |      |      |   |       |      |   |       |     |   |       |    |   | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|---|------|------|---|-------|------|---|-------|-----|---|-------|----|---|----------------------|
|             | 0-3                |      |   | 4-12 |      |   | 13-15 |      |   | 16-18 |     |   | 19-24 |    |   | TOTAL                |
|             | A                  | B    | C | A    | B    | C | A     | B    | C | A     | B   | C | A     | B  | C |                      |
| N           | .1                 | 1.0  |   | .7   | 6.5  |   | .2    | 2.1  |   | .1    | .9  |   | .0    | .0 |   | 1.2 10.8             |
| NNE         | .0                 | .4   |   | .4   | 4.0  |   | .1    | .8   |   | .0    | .2  |   | .0    | .0 |   | .6 5.3               |
| NNE         | .1                 | 1.0  |   | .4   | 3.8  |   | .1    | .6   |   | .0    | .2  |   | .0    | .0 |   | .6 5.6               |
| ENE         | .1                 | .6   |   | .2   | 2.3  |   | .0    | .3   |   | .0    | .1  |   | .0    | .0 |   | .3 3.4               |
| E           | .1                 | .9   |   | .3   | 2.5  |   | .0    | .2   |   | .0    | .0  |   | .0    | .0 |   | .4 3.8               |
| ESE         | .1                 | 1.1  |   | .3   | 2.7  |   | .0    | .2   |   | .0    | .1  |   | .0    | .0 |   | .5 4.3               |
| SE          | .2                 | 2.1  |   | .5   | 4.7  |   | .0    | .3   |   | .0    | .1  |   | .0    | .0 |   | .8 7.4               |
| SSE         | .2                 | 1.4  |   | .5   | 4.9  |   | .1    | .6   |   | .0    | .1  |   | .0    | .0 |   | .8 7.0               |
| S           | .2                 | 1.4  |   | .6   | 5.6  |   | .1    | .9   |   | .0    | .4  |   | .0    | .0 |   | .9 8.5               |
| SSW         | .0                 | .3   |   | .3   | 2.7  |   | .1    | .9   |   | .0    | .4  |   | .0    | .0 |   | .5 4.4               |
| SW          | .0                 | .5   |   | .3   | 3.0  |   | .1    | .9   |   | .0    | .3  |   | .0    | .0 |   | .5 4.6               |
| WSW         | .1                 | .5   |   | .3   | 3.2  |   | .1    | .8   |   | .0    | .3  |   | .0    | .0 |   | .6 5.2               |
| W           | .0                 | .4   |   | .4   | 4.2  |   | .1    | .9   |   | .0    | .6  |   | .0    | .0 |   | .7 6.2               |
| WNW         | .0                 | .3   |   | .4   | 3.3  |   | .1    | .8   |   | .0    | .5  |   | .0    | .0 |   | .6 5.7               |
| NW          | .1                 | .5   |   | .4   | 3.9  |   | .1    | .3   |   | .0    | .3  |   | .0    | .0 |   | .7 6.7               |
| NNW         | .0                 | .2   |   | .3   | 2.6  |   | .1    | 1.4  |   | .0    | .6  |   | .0    | .0 |   | .5 5.0               |
| CALM        | .7                 | 6.1  |   |      |      |   |       |      |   | .7    | 6.1 |   | .0    | .0 |   | .7 6.1               |
| TOTAL       | 2.0                | 18.9 |   | 6.4  | 60.1 |   | 1.4   | 13.0 |   | .7    | 6.1 |   | .0    | .0 |   | 10.7 100             |
|             |                    |      |   |      |      |   |       |      |   |       |     |   |       |    |   | 8.4                  |



LOU LOUISVILLE, KY

CLASS 2 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 2 / NIGHT

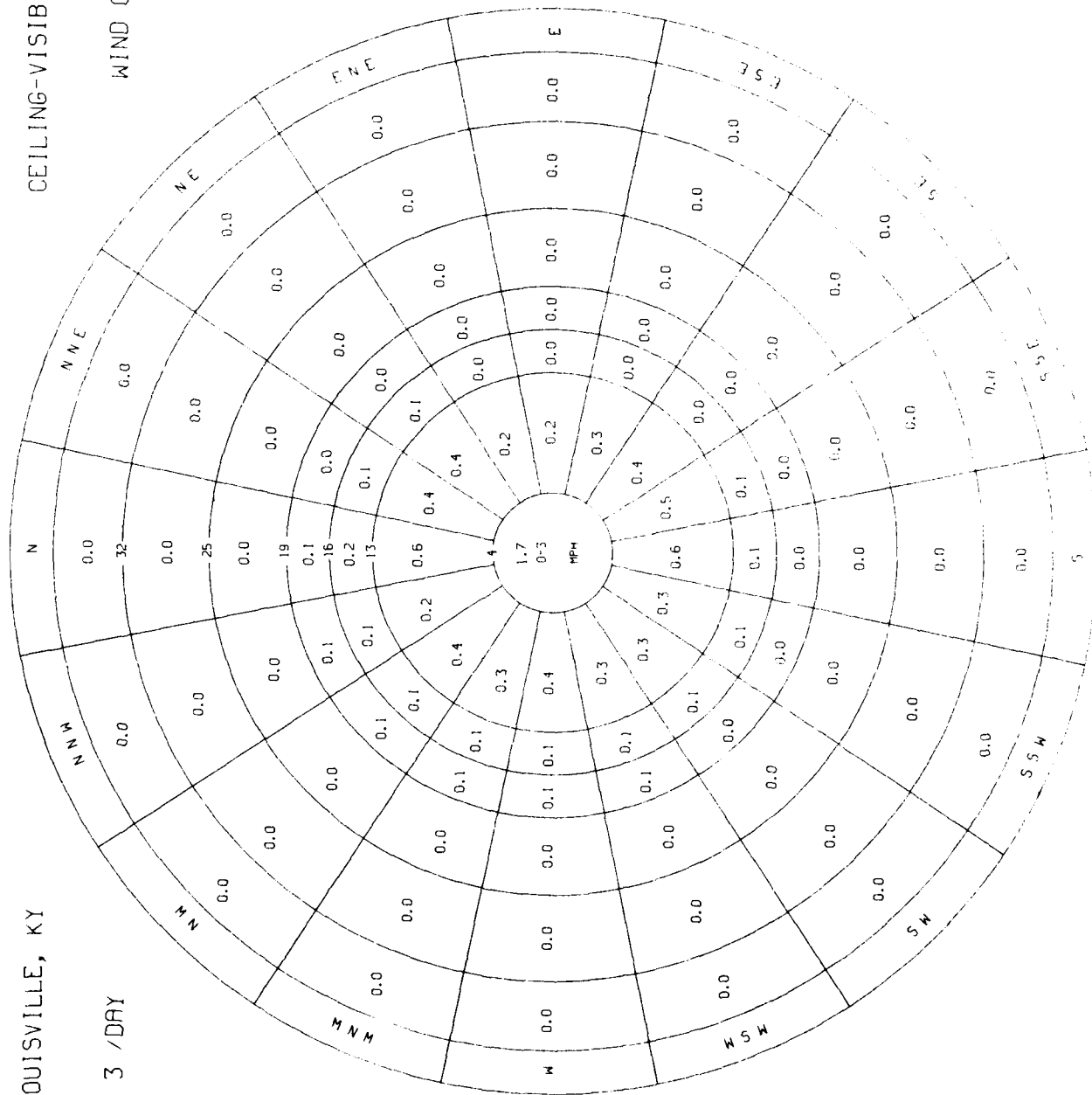
STATION NUMBER: 93821

NO. OBS.: 4659

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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  | .8   | 7.5  | .3    | 2.6  | .2    | 1.4 | .0    | .3  | .0    | .1 | .0  | .0 | 1.5   | 12.9                 | 10.3 |
| NNE         | .1                 | .6   | .4   | 4.0  | .1    | .6   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 5.4                  | 8.1  |
| NE          | .1                 | 1.0  | .4   | 3.8  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6    | 5.3                  | 7.2  |
| ENE         | .1                 | .7   | .2   | 2.1  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.2                  | 7.2  |
| E           | .1                 | .8   | .2   | 2.1  | .0    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 3.1                  | 6.4  |
| ESE         | .1                 | 1.2  | .2   | 1.9  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.3                  | 5.6  |
| SE          | .2                 | 1.6  | .5   | 4.2  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .7    | 6.1                  | 6.1  |
| SSE         | .1                 | 1.0  | .3   | 3.0  | .0    | .4   | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .5    | 4.8                  | 7.8  |
| S           | .2                 | 1.4  | .5   | 4.7  | .1    | .6   | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .8    | 7.4                  | 8.2  |
| SSW         | .1                 | .5   | .3   | 2.5  | .1    | .5   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 4.0                  | 9.8  |
| SW          | .1                 | .6   | .3   | 2.5  | .1    | .6   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 4.3                  | 9.4  |
| WSW         | .1                 | .5   | .3   | 2.9  | .1    | .7   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 4.6                  | 9.5  |
| W           | .1                 | .6   | .5   | 4.1  | .1    | 1.3  | .1    | .8  | .0    | .2  | .0    | .1 | .0  | .0 | .8    | 7.2                  | 10.6 |
| WNW         | .1                 | .5   | .4   | 3.9  | .1    | 1.2  | .1    | .8  | .0    | .2  | .0    | .0 | .0  | .0 | .8    | 6.7                  | 10.6 |
| NW          | .1                 | .6   | .6   | 5.2  | .2    | 1.9  | .1    | 1.1 | .0    | .4  | .0    | .0 | .0  | .0 | 1.0   | 9.2                  | 10.9 |
| NNW         | .1                 | .5   | .4   | 3.3  | .2    | 1.5  | .1    | .9  | .0    | .3  | .0    | .0 | .0  | .0 | .7    | 6.6                  | 11.3 |
| CALM        | .7                 | 6.1  |      |      |       |      |       |     |       |     |       |    |     |    | .7    | 6.1                  |      |
| TOTAL       | 2.2                | 19.4 | 6.5  | 57.9 | 1.5   | 13.1 | .8    | 7.0 | .2    | 2.2 | .0    | .4 | .0  | .0 | 11.2  | 100                  | 8.5  |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 3 / DAY

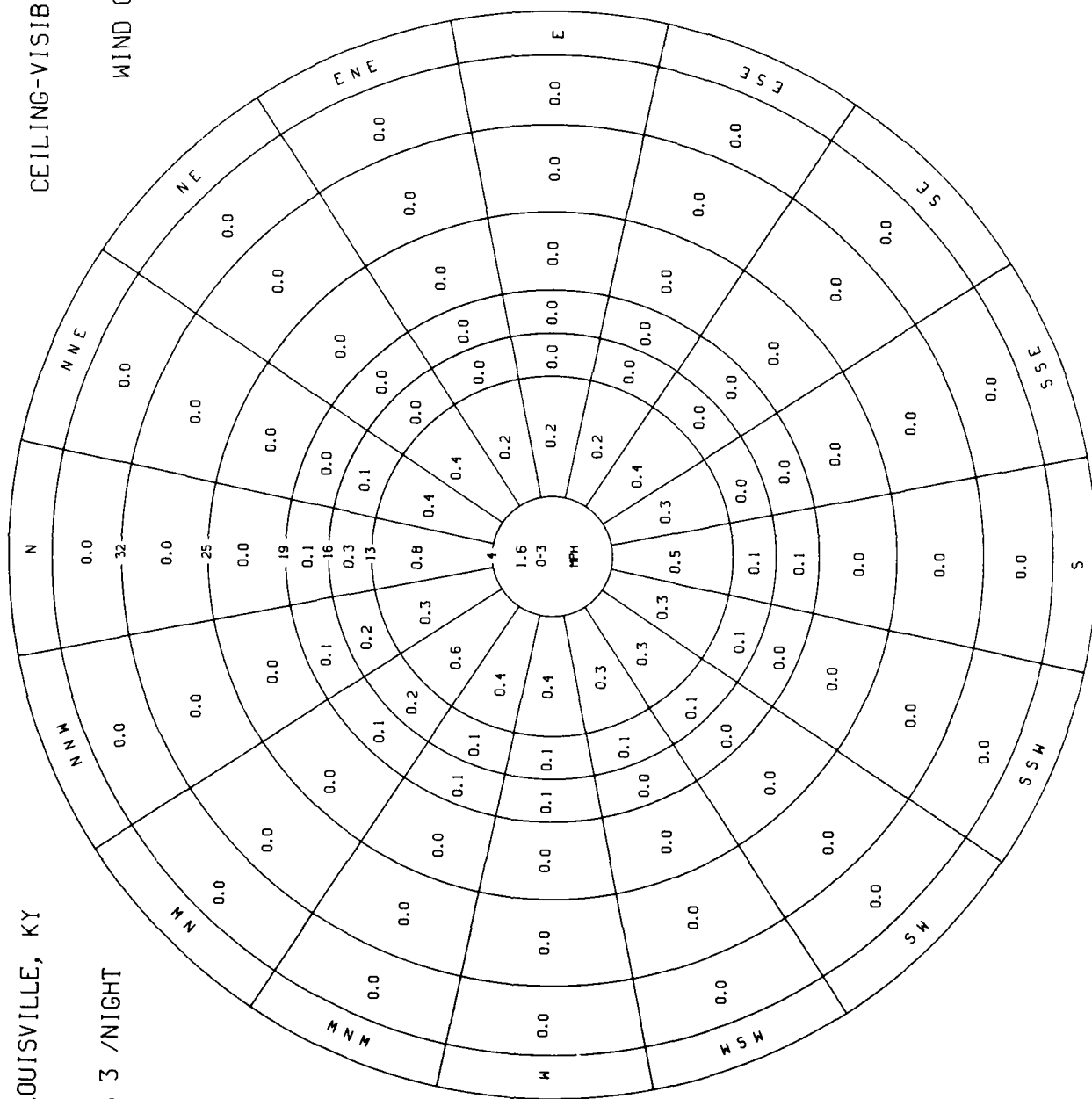
STATION NUMBER: 93821

NO. OBS.: 4781

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | .9   | .6   | 6.6  | .2    | 2.1  | .1    | .8  | .0    | .3  | .0    | .0 | .0  | .0 | 1.0 10.6             |
| NNE         | .3                 | .3   | .4   | 4.0  | .1    | .8   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .5 5.4               |
| N E         | .1                 | .8   | .4   | 3.9  | .1    | .6   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .5 5.5               |
| ENE         | .1                 | .5   | .2   | 2.2  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.1               |
| E           | .1                 | .9   | .2   | 2.5  | .0    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.6               |
| ESE         | .1                 | 1.1  | .3   | 2.9  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4 4.2               |
| SE          | .2                 | 2.0  | .4   | 4.6  | .0    | .4   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .7 7.2               |
| SSE         | .1                 | 1.5  | .5   | 4.7  | .1    | .6   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .7 7.1               |
| S           | .1                 | 1.3  | .6   | 5.8  | .1    | 1.0  | .0    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .8 8.7               |
| SSW         | .0                 | .3   | .3   | 2.8  | .1    | 1.0  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .5 4.6               |
| SW          | .0                 | .4   | .3   | 3.3  | .1    | .8   | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .5 4.8               |
| WSW         | .0                 | .4   | .3   | 3.5  | .1    | .9   | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .5 5.5               |
| W           | .0                 | .4   | .4   | 4.4  | .1    | .8   | .1    | .6  | .0    | .3  | .0    | .0 | .0  | .0 | .6 6.5               |
| WNW         | .0                 | .3   | .3   | 3.6  | .1    | 1.1  | .1    | .8  | .0    | .3  | .0    | .0 | .0  | .0 | .6 6.1               |
| NW          | .0                 | .4   | .4   | 3.9  | .1    | 1.4  | .1    | .8  | .0    | .1  | .0    | .0 | .0  | .0 | .6 6.7               |
| NNW         | .0                 | .2   | .2   | 2.5  | .1    | 1.3  | .1    | .7  | .0    | .2  | .0    | .0 | .0  | .0 | .5 4.9               |
| CALM        | .5                 | 5.4  |      |      |       |      |       |     |       |     |       |    |     |    | .5 5.4               |
| TOTAL       | 1.7                | 17.0 | 6.0  | 61.1 | 1.3   | 13.6 | .6    | 6.3 | .2    | 1.4 | .0    | .1 | .0  | .0 | 9.7 100              |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 3 / NIGHT

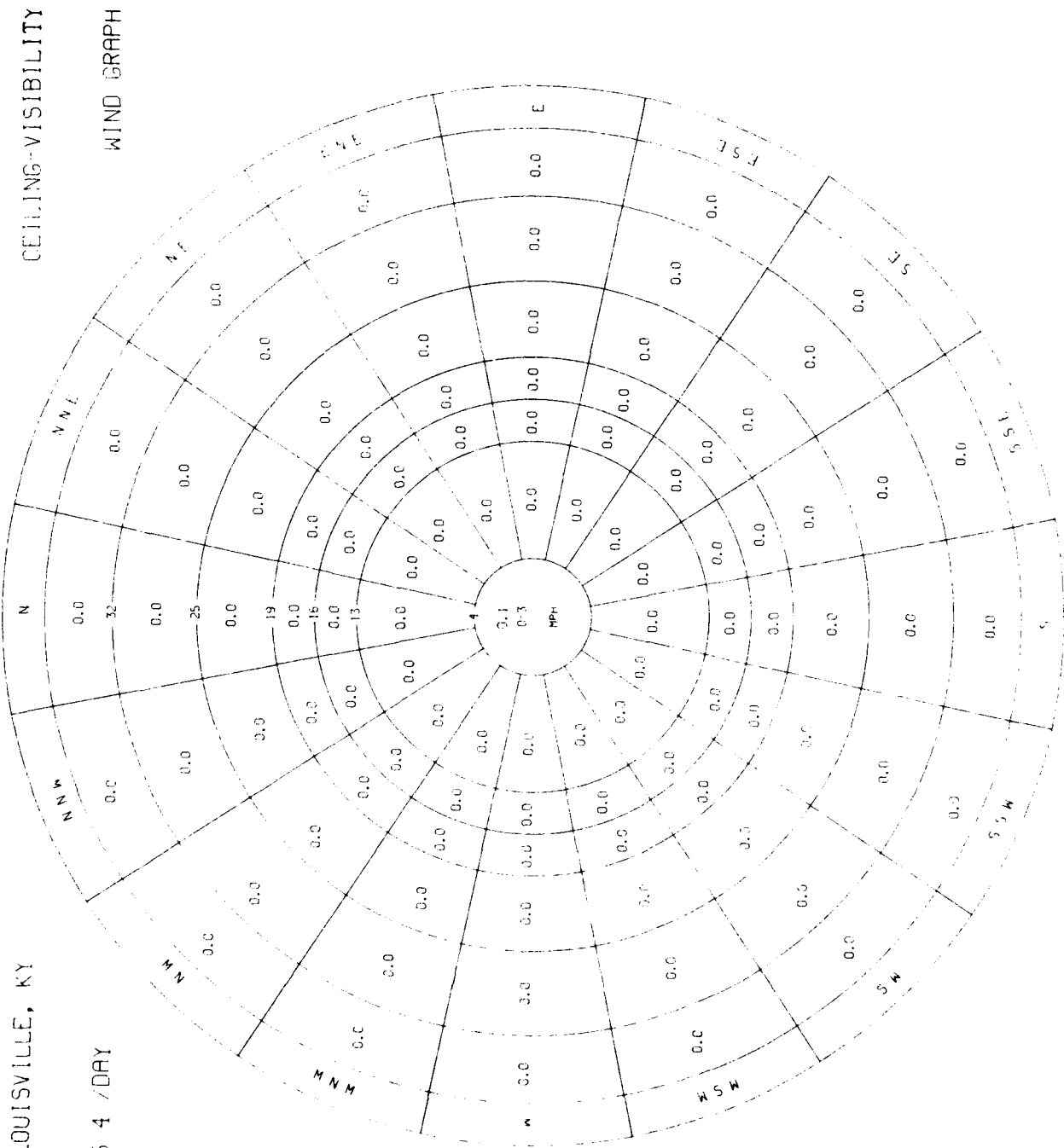
STATION NUMBER: 93821

NO. OBS.: 4155

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | 1.1  | .8   | 7.5  | .3    | 2.8  | .1    | 1.5 | .0    | .3  | .0    | .1 | .0  | .0 | 1.3 13.3             |
| NNE         | .1                 | .6   | .4   | 3.9  | .1    | .6   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .5 5.2               |
| NE          | .1                 | .8   | .4   | 3.9  | .0    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5 5.2               |
| ENE         | .1                 | .6   | .2   | 2.1  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.0               |
| E           | .1                 | .6   | .2   | 2.3  | .0    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.1               |
| ESE         | .1                 | .9   | .2   | 1.8  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3 2.9               |
| SE          | .1                 | 1.3  | .4   | 3.9  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6 5.6               |
| SSE         | .1                 | .8   | .3   | 2.9  | .0    | .4   | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .5 4.5               |
| S           | .1                 | 1.1  | .5   | 4.9  | .1    | .7   | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .7 7.3               |
| SSW         | .0                 | .5   | .3   | 2.7  | .1    | .6   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .4 4.2               |
| SW          | .1                 | .6   | .3   | 2.7  | .1    | .7   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .5 4.5               |
| WSW         | .1                 | .5   | .3   | 3.1  | .1    | .8   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .5 4.9               |
| W           | .1                 | .6   | .4   | 4.5  | .1    | 1.5  | .1    | .8  | .0    | .3  | .0    | .1 | .0  | .0 | .8 7.7               |
| WNW         | .0                 | .4   | .4   | 4.3  | .1    | 1.3  | .1    | .9  | .0    | .3  | .0    | .0 | .0  | .0 | .7 7.2               |
| NW          | .1                 | .6   | .6   | 5.6  | .2    | 2.0  | .1    | 1.2 | .0    | .5  | .0    | .0 | .0  | .0 | 1.0 9.9              |
| NNW         | .0                 | .4   | .3   | 3.3  | .2    | 1.7  | .1    | .9  | .0    | .3  | .0    | .0 | .0  | .0 | .7 6.7               |
| CALM        | .5                 | 4.7  |      |      |       |      |       |     |       |     |       |    |     |    | .5 4.7               |
| TOTAL       | 1.6                | 16.1 | 5.9  | 59.3 | 1.4   | 14.3 | .8    | 7.6 | .2    | 2.3 | .0    | .5 | .0  | .0 | 10.0 100             |
|             |                    |      |      |      |       |      |       |     |       |     |       |    |     |    | 9.0                  |

LOU LOUISVILLE, KY

CLASS 4 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 93821

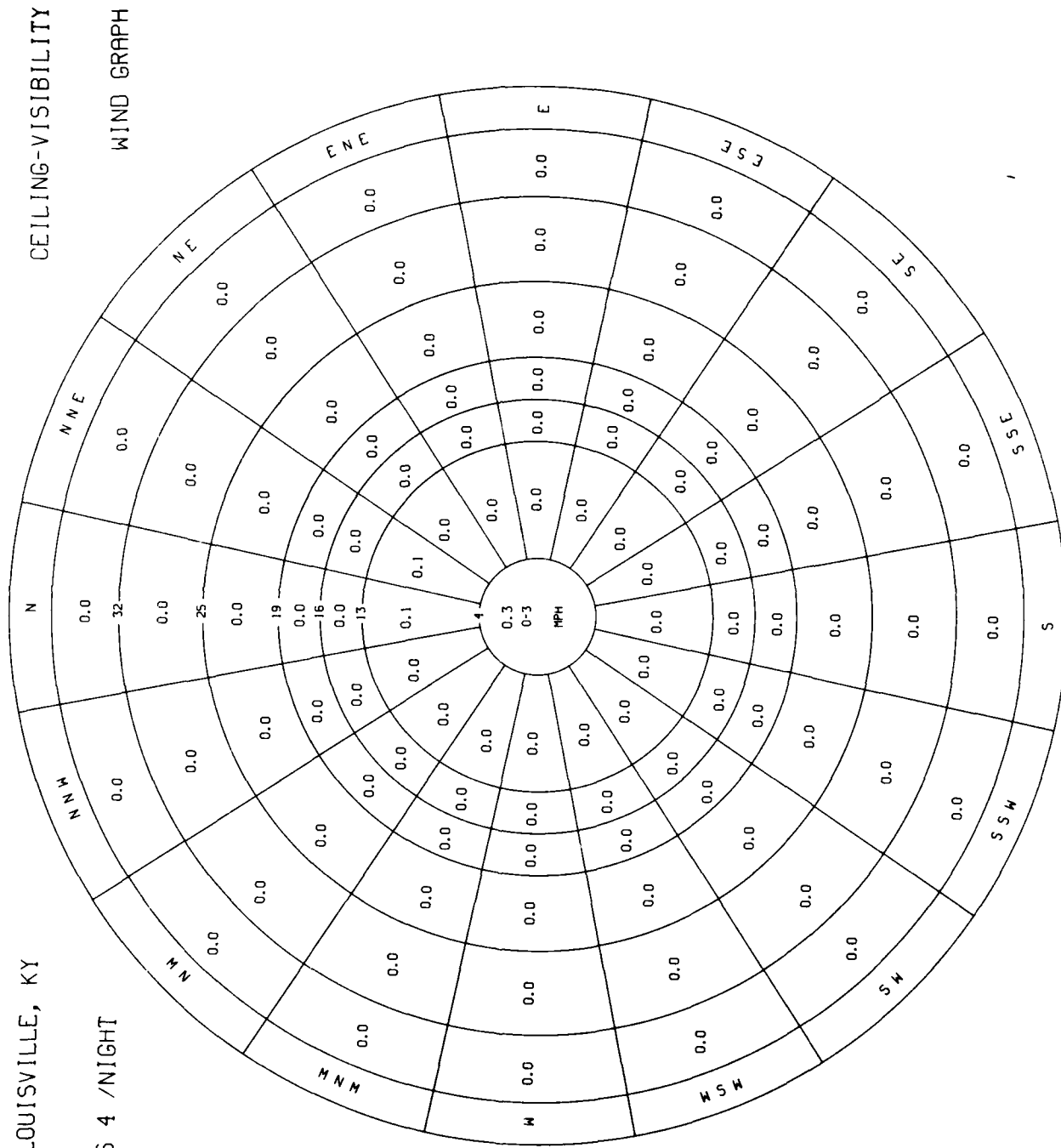
NO. OBS.: 318

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 6.3  | .0    | 2.8 | .0    | 1.6 | .0    | .9  | .0    | .0 | .0  | .0 | .0                   | .1    | 13.8 | 10.2 |
| NNE         | .0                 | 1.6  | .0   | 3.8  | .0    | .9  | .0    | .0  | .0    | .3  | .0    | .0 | .0  | .0 | .0                   | .0    | 6.6  | 8.2  |
| NE          | .0                 | 2.5  | .0   | 3.5  | .0    | .0  | .0    | .6  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 6.6  | 6.5  |
| ENE         | .0                 | .6   | .0   | 3.8  | .0    | .6  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 5.0  | 7.2  |
| E           | .0                 | 1.3  | .0   | 4.1  | .0    | .3  | .0    | .3  | .0    | .0  | .0    | .0 | .3  | .0 | .0                   | .0    | 6.3  | 8.4  |
| ESE         | .0                 | .9   | .0   | 4.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 5.3  | 6.1  |
| SE          | .0                 | 1.3  | .0   | 6.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .1    | 7.9  | 6.0  |
| SSE         | .0                 | .3   | .0   | 6.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 6.3  | 6.1  |
| S           | .0                 | 1.6  | .0   | 4.7  | .0    | .0  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 6.6  | 5.5  |
| SSW         | .0                 | .6   | .0   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 1.9  | 5.7  |
| SW          | .0                 | .9   | .0   | .6   | .0    | .6  | .0    | .9  | .0    | .0  | .0    | .3 | .0  | .0 | .0                   | .0    | 3.5  | 11.5 |
| WSW         | .0                 | .6   | .0   | 1.6  | .0    | .0  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 2.5  | 7.9  |
| W           | .0                 | .6   | .0   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | 3.5  | 5.7  |
| WNW         | .0                 | .3   | .0   | 1.6  | .0    | .3  | .0    | .0  | .0    | .3  | .0    | .0 | .0  | .0 | .0                   | .0    | 2.5  | 9.4  |
| NW          | .0                 | 1.6  | .0   | 5.0  | .0    | .9  | .0    | .3  | .0    | .6  | .0    | .0 | .0  | .0 | .0                   | .1    | 8.5  | 8.7  |
| NNW         | .0                 | .0   | .0   | 4.7  | .0    | 2.2 | .0    | .0  | .0    | .6  | .0    | .0 | .0  | .0 | .0                   | .0    | 7.5  | 10.9 |
| CALM        | .0                 | 5.7  |      |      |       |     |       |     |       |     |       |    |     |    |                      | .0    | 5.7  |      |
| TOTAL       | .1                 | 22.6 | .4   | 60.7 | .1    | 8.8 | .0    | 4.4 | .0    | 2.8 | .0    | .3 | .0  | .3 | .0                   | .6    | 100  | 7.5  |



LOU LOUISVILLE, KY

CLASS 4 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 93821

NO. OBS.: 316

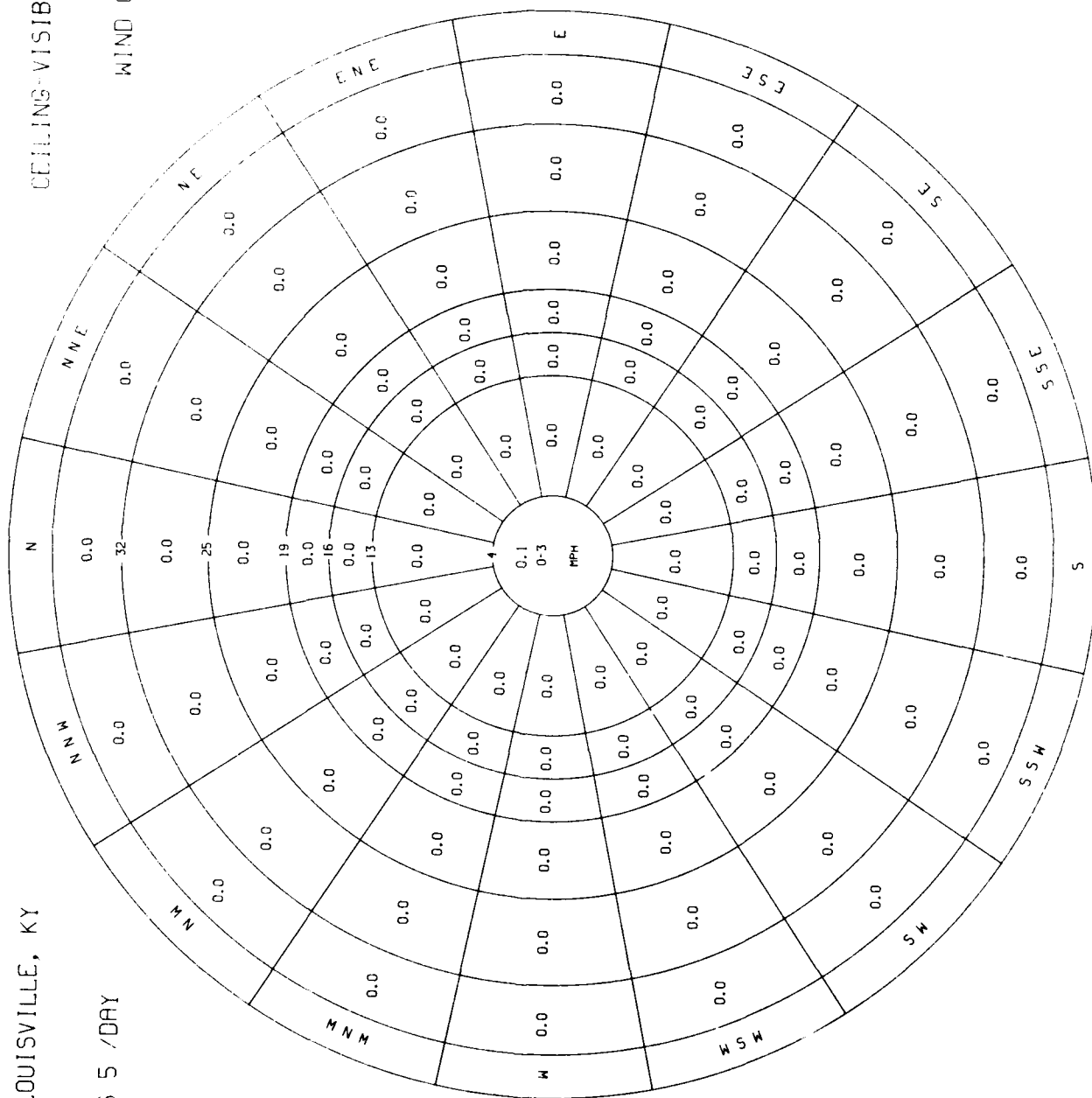
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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  | .1   | 8.9  | .0    | 2.2 | .0    | .3  | .0    | .6  | .0    | .0 | .0  | .0 | .1    | 13.9                 | 8.9 |
| NNE         | .0                 | 1.3  | .1   | 6.6  | .0    | .9  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 9.2                  | 7.7 |
| NE          | .0                 | 2.2  | .0   | 3.5  | .0    | .3  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 6.0                  | 6.0 |
| ENE         | .0                 | 1.9  | .0   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 4.7                  | 5.0 |
| E           | .0                 | 2.2  | .0   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 3.5                  | 4.0 |
| ESE         | .0                 | 1.6  | .0   | 3.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 5.4                  | 5.1 |
| SE          | .0                 | 3.2  | .0   | 5.7  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 8.9                  | 5.1 |
| SSE         | .0                 | .3   | .0   | 3.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 4.1                  | 5.9 |
| S           | .0                 | 2.8  | .0   | 3.2  | .0    | .0  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 6.3                  | 5.1 |
| SSW         | .0                 | .6   | .0   | 1.6  | .0    | .0  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 2.5                  | 7.1 |
| SW          | .0                 | 1.6  | .0   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 2.8                  | 4.4 |
| WSW         | .0                 | .3   | .0   | 1.9  | .0    | .3  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 2.5                  | 7.1 |
| W           | .0                 | 1.3  | .0   | 2.2  | .0    | .0  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 3.8                  | 6.6 |
| WNW         | .0                 | .3   | .0   | 1.6  | .0    | .0  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 2.2                  | 7.9 |
| NW          | .0                 | .9   | .0   | 3.2  | .0    | .3  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 4.7                  | 7.5 |
| NNW         | .0                 | 1.6  | .0   | 4.7  | .0    | .3  | .0    | 1.3 | .0    | .9  | .0    | .0 | .0  | .0 | .1    | 8.9                  | 9.7 |
| CALM        | .1                 | 10.4 |      |      |       |     |       |     |       |     |       |    |     |    | .1    | 10.4                 |     |
| TOTAL       | .3                 | 34.5 | .4   | 56.0 | .0    | 4.4 | .0    | 3.5 | .0    | 1.6 | .0    | .0 | .0  | .0 | .8    | 100                  | 6.1 |

LOU LOUISVILLE, KY

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

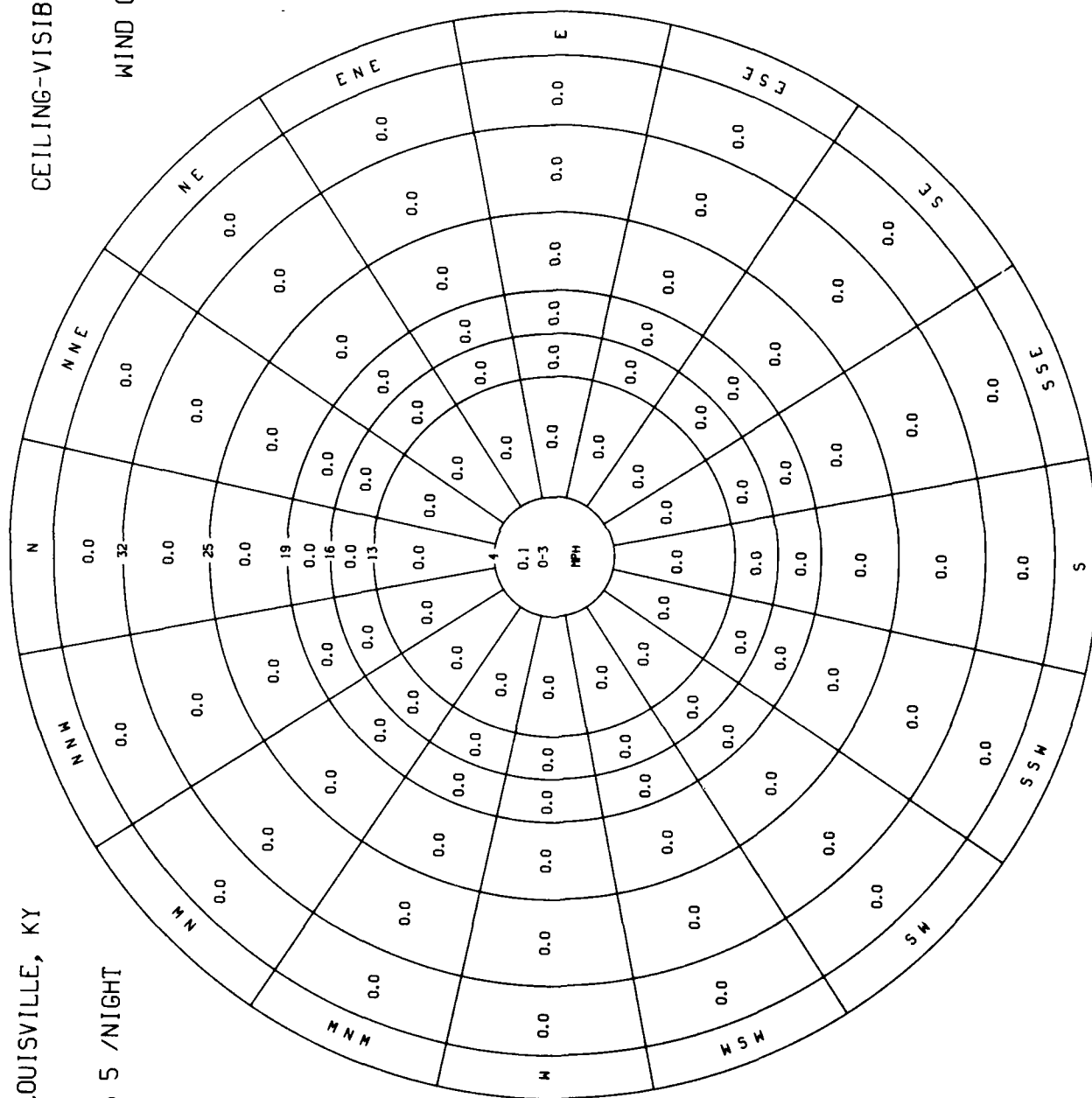
CLASS 5 / DAY

STATION NUMBER: 93821

NO. OBS.: 71

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | C   | D  |                      |       |      |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    |                      |       |      |
| N           | .0                 | 2.8  | .0   | 2.8  | .0    | 2.8 | .0    | 4.2 | .0    | 1.4 | .0    | .0 | .0  | .0 | .0                   | 14.1  | 11.5 |
| NNE         | .0                 | 1.4  | .0   | .0   | .0    | 1.4 | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 8.5  |
| NE          | .0                 | 4.2  | .0   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 7.0   | 5.0  |
| ENE         | .0                 | 1.4  | .0   | 1.4  | .0    | .0  | .0    | .0  | .0    | 1.4 | .0    | .0 | .0  | .0 | .0                   | 4.2   | 11.7 |
| E           | .0                 | 1.4  | .0   | 1.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 4.5  |
| ESE         | .0                 | 1.4  | .0   | 1.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 4.5  |
| SE          | .0                 | 4.2  | .0   | 5.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 9.9   | 4.7  |
| SSE         | .0                 | .0   | .0   | 4.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 4.2   | 7.0  |
| S           | .0                 | 4.2  | .0   | 1.4  | .0    | 1.4 | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 7.0   | 5.4  |
| SSW         | .0                 | .0   | .0   | 1.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 1.4   | 8.0  |
| SW          | .0                 | 1.4  | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 1.4   | 3.0  |
| WSW         | .0                 | 2.8  | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 2.0  |
| W           | .0                 | .0   | .0   | 1.4  | .0    | 1.4 | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 10.0 |
| WNW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | 2.8 | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 17.0 |
| NW          | .0                 | 1.4  | .0   | 4.2  | .0    | .0  | .0    | 1.4 | .0    | 1.4 | .0    | .0 | .0  | .0 | .0                   | 8.5   | 10.0 |
| NNW         | .0                 | .0   | .0   | 1.4  | .0    | 1.4 | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 10.0 |
| CALM        | .0                 | 22.5 |      |      |       |     |       |     |       |     |       |    |     | .0 | 22.5                 |       |      |
| TOTAL       | 1                  | 49.3 | .0   | 29.6 | .0    | 8.5 | .0    | 8.5 | .0    | 4.2 | .0    | .0 | .0  | .0 | 1                    | 100   | 6.2  |

LOU LOUISVILLE, KY  
 CLASS 5 /NIGHT  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

PERIOD: 1948-1978

STATION NAME: LOU LOUISVILLE, KY

CLASS 5 / NIGHT

NO. OBS.: 61

STATION NUMBER: 93821

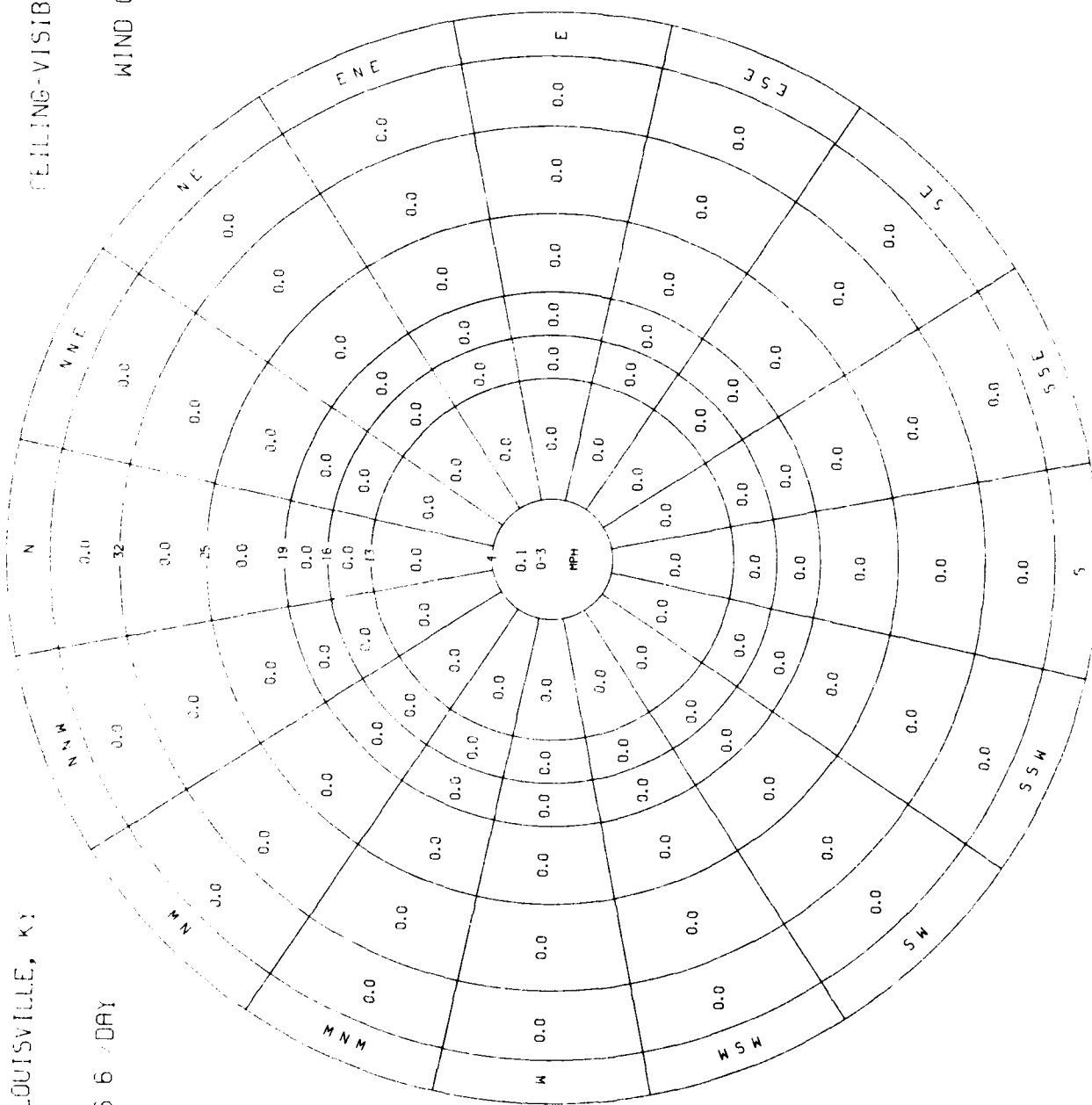
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      | C     | D    |
| N           | .0                 | .0   | .0   | 4.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.9   | 7.0  |
| NNE         | .0                 | 1.6  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.3   | 5.0  |
| NE          | .0                 | 3.3  | .0   | 4.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.2   | 4.8  |
| ENE         | .0                 | 1.6  | .0   | 4.9  | .0    | 1.6 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.2   | 8.4  |
| E           | .0                 | .0   | .0   | 3.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.3   | 9.0  |
| ESE         | .0                 | 4.9  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.6   | 3.2  |
| SE          | .0                 | 4.9  | .0   | 6.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 11.5  | 5.1  |
| SSE         | .0                 | 6.6  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.6   | 2.7  |
| S           | .0                 | 8.2  | .0   | 3.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 11.5  | 3.4  |
| SSW         | .0                 | 1.6  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 3.0  |
| SW          | .0                 | 1.6  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.3   | 4.5  |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0   |
| W           | .0                 | 1.6  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.3   | 5.0  |
| WNW         | .0                 | 4.9  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.6   | 3.5  |
| NW          | .0                 | .0   | .0   | .0   | .0    | 1.6 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 14.0 |
| NNW         | .0                 | 1.6  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 3.0  |
| CALM        | .0                 | 18.0 |      |      |       |     |       |    |       |    |       |    |     |    | .0                   | 18.0  |      |
| TOTAL       | .1                 | 60.7 | .1   | 36.1 | .0    | 3.3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 100   | 4.1  |

LOU LOUISVILLE, KY

CLASS 6 / DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 93521

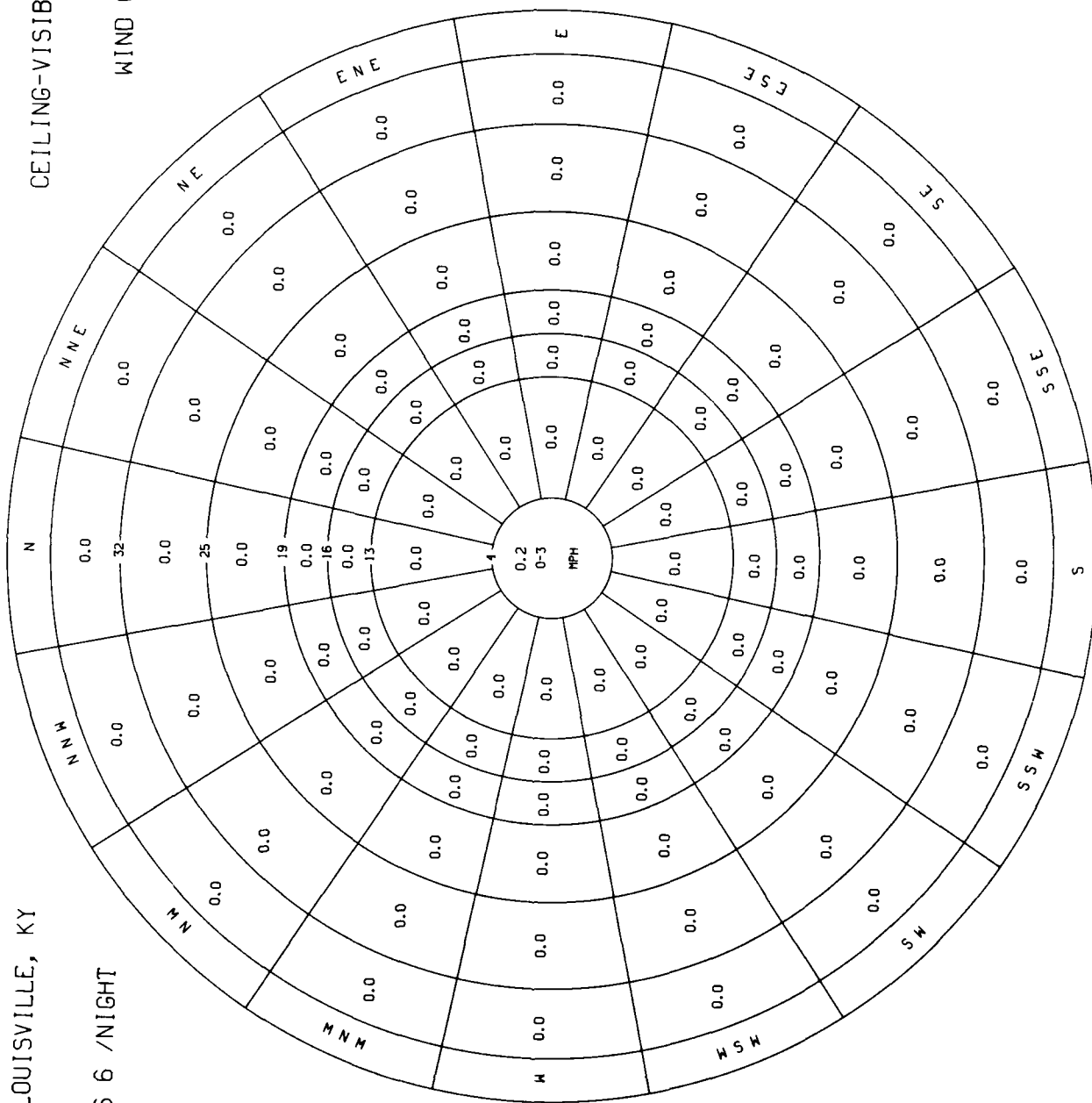
NO. OBS.: 100

| SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       |      |      |  | AVG<br>WIND<br>SPEED |
|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|------|------|--|----------------------|
| 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |      |      |  |                      |
| A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  | C     | D    |      |  |                      |
| N                  | .0   | 1.0  | .0   | 4.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.0  | 6.5  |  |                      |
| NNE                | .0   | 2.0  | .0   | 4.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 6.0  | 5.5  |  |                      |
| NNE                | .0   | 4.0  | .0   | 2.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 6.0  | 3.5  |  |                      |
| NNE                | .0   | 2.0  | .0   | 1.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.0  | 3.5  |  |                      |
| E                  | .0   | 3.0  | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.0  | 2.0  |  |                      |
| ESE                | .0   | 2.0  | .0   | 1.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.0  | 3.5  |  |                      |
| ESE                | .0   | 7.0  | .0   | 6.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 13.0 | 2.5  |  |                      |
| ESE                | .0   | 2.0  | .0   | 7.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 9.0  | 5.5  |  |                      |
| S                  | .0   | 6.0  | .0   | 3.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 9.0  | 3.5  |  |                      |
| SSW                | .0   | .0   | .0   | 1.0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.0  | 6.0  |  |                      |
| SW                 | .0   | 3.0  | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.0  | 2.5  |  |                      |
| WSW                | .0   | 2.0  | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.0  | 9.5  |  |                      |
| W                  | .0   | 1.0  | .0   | .0    | .0 | .0    | .0 | 1.0   | .0 | .0    | .0 | .0  | .0 | .0    | 2.0  | 10.5 |  |                      |
| WNW                | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0   | .0   |  |                      |
| NW                 | .0   | 2.0  | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.0  | 3.0  |  |                      |
| NNW                | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.0  | 6.0  |  |                      |
| CALM               | 1.55 | .0   | 1.20 | .0    | .0 | .0    | .0 | 1.0   | .0 | 1.0   | .0 | .0  | .0 | 1.31  | .0   |      |  |                      |
| TOTAL              | 1.55 | .0   | 1.20 | .0    | .0 | .0    | .0 | 1.0   | .0 | 1.0   | .0 | .0  | .0 | 2.2   | 10.0 | 3.5  |  |                      |



# CEILING-VISIBILITY

## WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LOU LOUISVILLE, KY

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 93821

NO. OBS.: 127

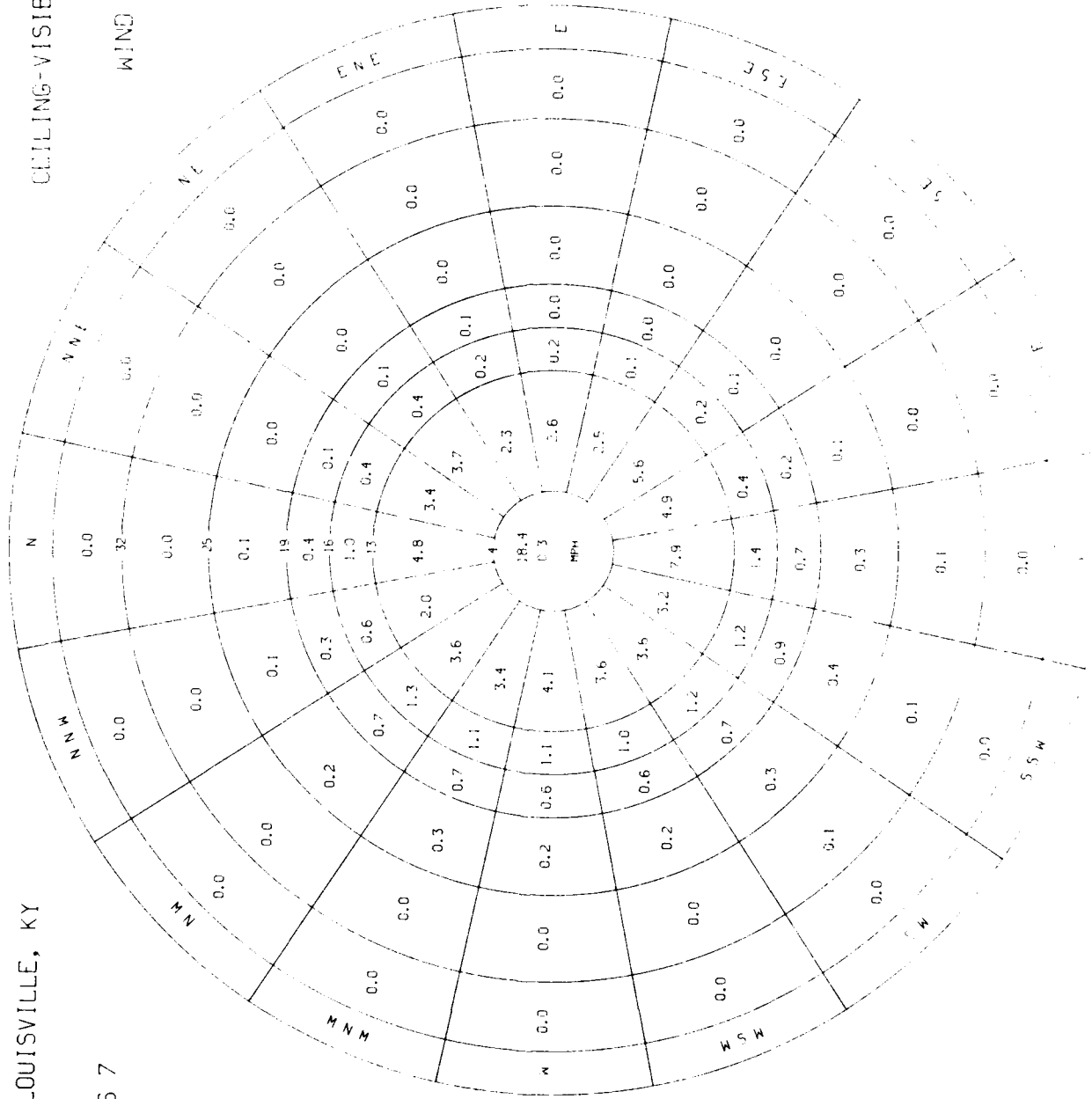
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 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   | 3.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.1  | 7.2                  |
| NNE         | .0                 | .8   | .0   | 3.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.9  | 4.8                  |
| NE          | .0                 | 3.9  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.9  | 2.2                  |
| ENE         | .0                 | 2.4  | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.1  | 3.2                  |
| E           | .0                 | 2.4  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.4  | 2.0                  |
| ESE         | .0                 | 7.9  | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 9.4  | 3.3                  |
| SE          | .0                 | 7.1  | .0   | 7.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 15.0 | 4.1                  |
| SSE         | .0                 | 5.5  | .0   | 7.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 12.6 | 4.5                  |
| S           | .0                 | 6.3  | .0   | 3.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 9.4  | 3.9                  |
| 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                 | .8   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.6  | 4.0                  |
| 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                 | .8   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.6  | 4.0                  |
| NNW         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0   | .0                   |
| CALM        | .1                 | 33.9 |      |      |       |    |       |    |       |    |       |    |     |    | .1    | 33.9 |                      |
| TOTAL       | .2                 | 71.7 | .1   | 28.3 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3    | 100  | 2.6                  |

LOU LOUISVILLE, KY

CLASS 7

CEILING-VISIBILITY

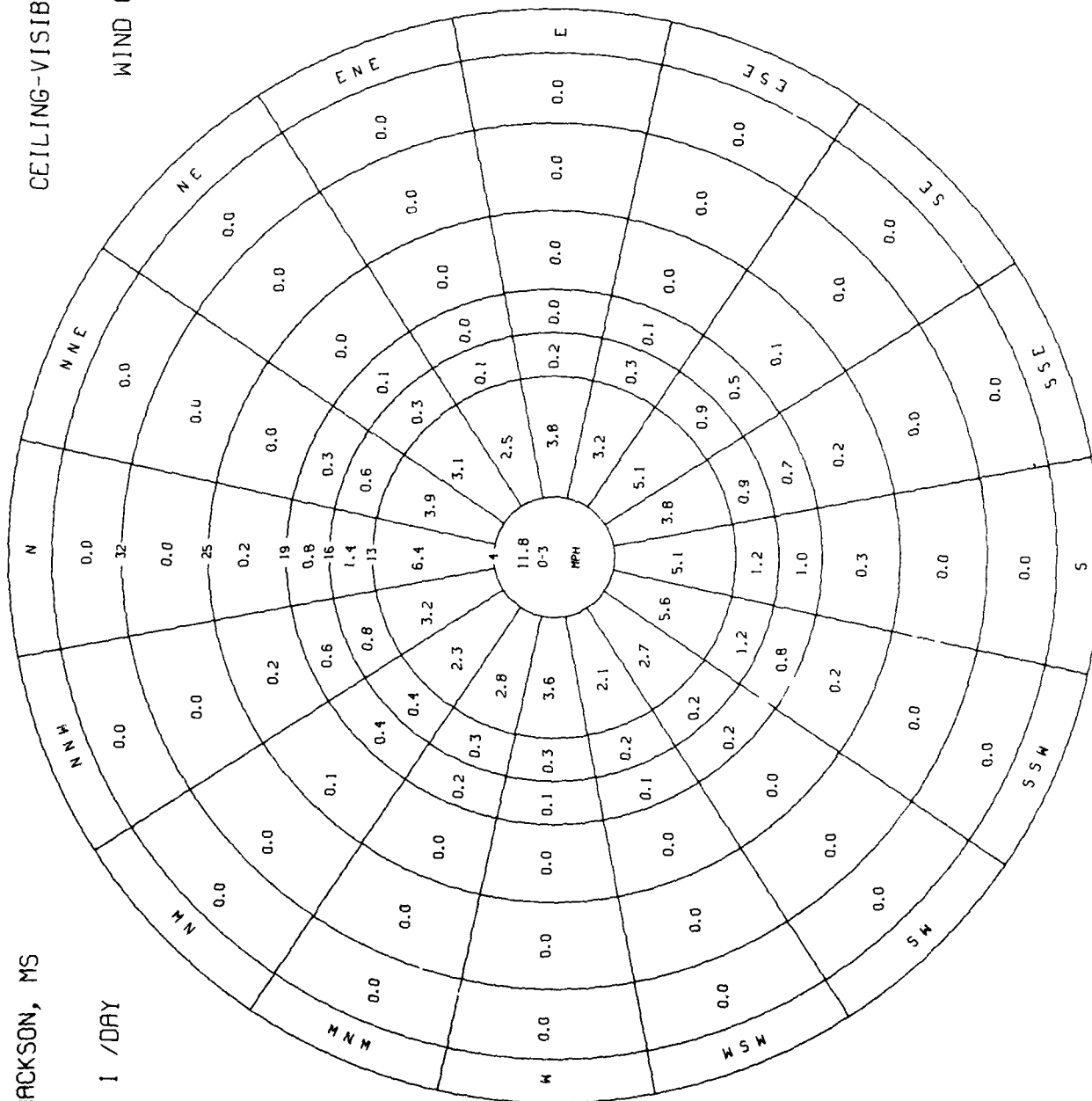
WIND GRAPH



CEILING-VISIBILITY  
WIND GRAPH

JAN JACKSON, MS

CLASS 1 / DAY



PRECEDING PAGE BLANK-NOT FILLED

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 1 / DAY

STATION NUMBER: 03940

NO. OBS.: 20837

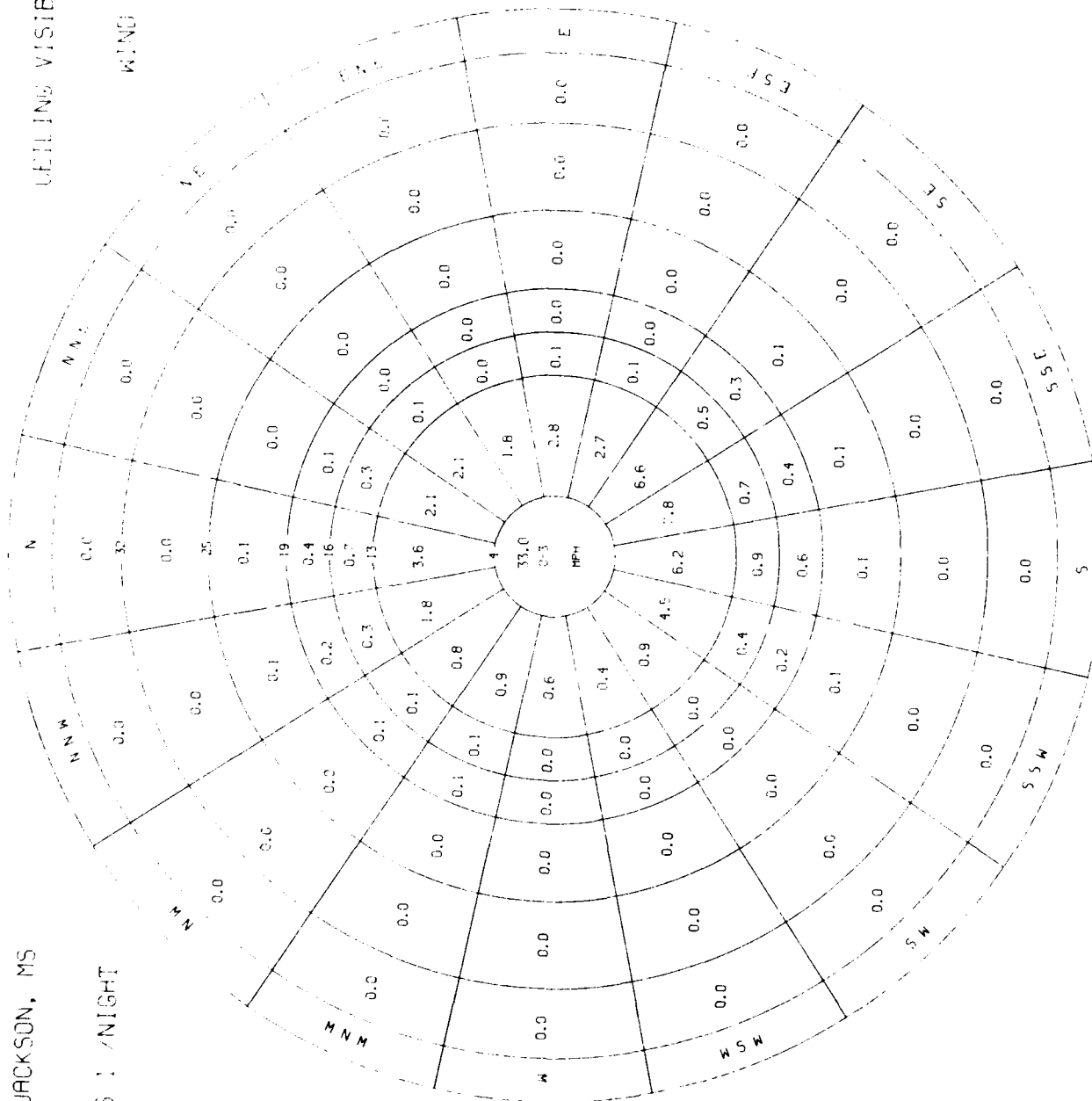
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  | C     | D    |                      |
| N           | .5                 | .5   | 6.4  | 7.3  | 1.4   | 1.6  | .8    | .9  | .2    | .2  | .0    | .0 | .0  | .0 | 9.3   | 10.6 | 10.0                 |
| NNE         | .3                 | .4   | 3.9  | 4.4  | .6    | .7   | .3    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | 5.1   | 5.9  | 9.0                  |
| NE          | .4                 | .4   | 3.1  | 3.5  | .3    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.8   | 4.4  | 7.8                  |
| ENE         | .4                 | .4   | 2.5  | 2.9  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.1   | 3.5  | 6.9                  |
| E           | .5                 | .5   | 3.8  | 4.4  | .2    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 4.5   | 5.2  | 7.4                  |
| ESE         | .4                 | .4   | 3.2  | 3.7  | .3    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.9   | 4.5  | 8.0                  |
| SE          | .6                 | .7   | 5.1  | 5.8  | .9    | 1.1  | .5    | .6  | .1    | .2  | .0    | .0 | .0  | .0 | 7.3   | 8.4  | 9.4                  |
| SSE         | .4                 | .4   | 3.8  | 4.4  | .9    | 1.1  | .7    | .8  | .2    | .2  | .0    | .0 | .0  | .0 | 6.0   | 6.9  | 10.1                 |
| S           | .4                 | .4   | 5.1  | 5.8  | 1.2   | 1.4  | 1.0   | 1.1 | .3    | .4  | .0    | .0 | .0  | .0 | 8.1   | 9.2  | 10.7                 |
| SSW         | .5                 | .6   | 5.6  | 6.3  | 1.2   | 1.3  | .8    | .9  | .2    | .2  | .0    | .0 | .0  | .0 | 8.3   | 9.4  | 9.8                  |
| SW          | .3                 | .3   | 2.7  | 3.1  | .2    | .3   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 3.4   | 3.8  | 8.3                  |
| WSW         | .2                 | .2   | 2.1  | 2.4  | .2    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.7   | 3.0  | 8.2                  |
| W           | .4                 | .5   | 3.6  | 4.1  | .3    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.5   | 5.1  | 7.9                  |
| WNW         | .3                 | .3   | 2.8  | 3.2  | .3    | .4   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 3.7   | 4.2  | 8.5                  |
| NW          | .3                 | .3   | 2.3  | 2.6  | .4    | .5   | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 3.4   | 3.9  | 9.8                  |
| NNW         | .2                 | .3   | 3.2  | 3.6  | .8    | .9   | .6    | .7  | .2    | .2  | .0    | .0 | .0  | .0 | 5.0   | 5.6  | 10.5                 |
| CALM        | 5.8                | 6.6  |      |      |       |      |       |     |       |     |       |    |     |    | 5.8   | 6.6  |                      |
| TOTAL       | 11.8               | 13.4 | 59.4 | 67.7 | 9.4   | 10.7 | 5.6   | 6.4 | 1.4   | 1.6 | .1    | .2 | .0  | .0 | 87.8  | 100  | 8.6                  |

JAN JACKSON, MS

CLASS 1 / NIGHT

CEILING VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 1 / NIGHT

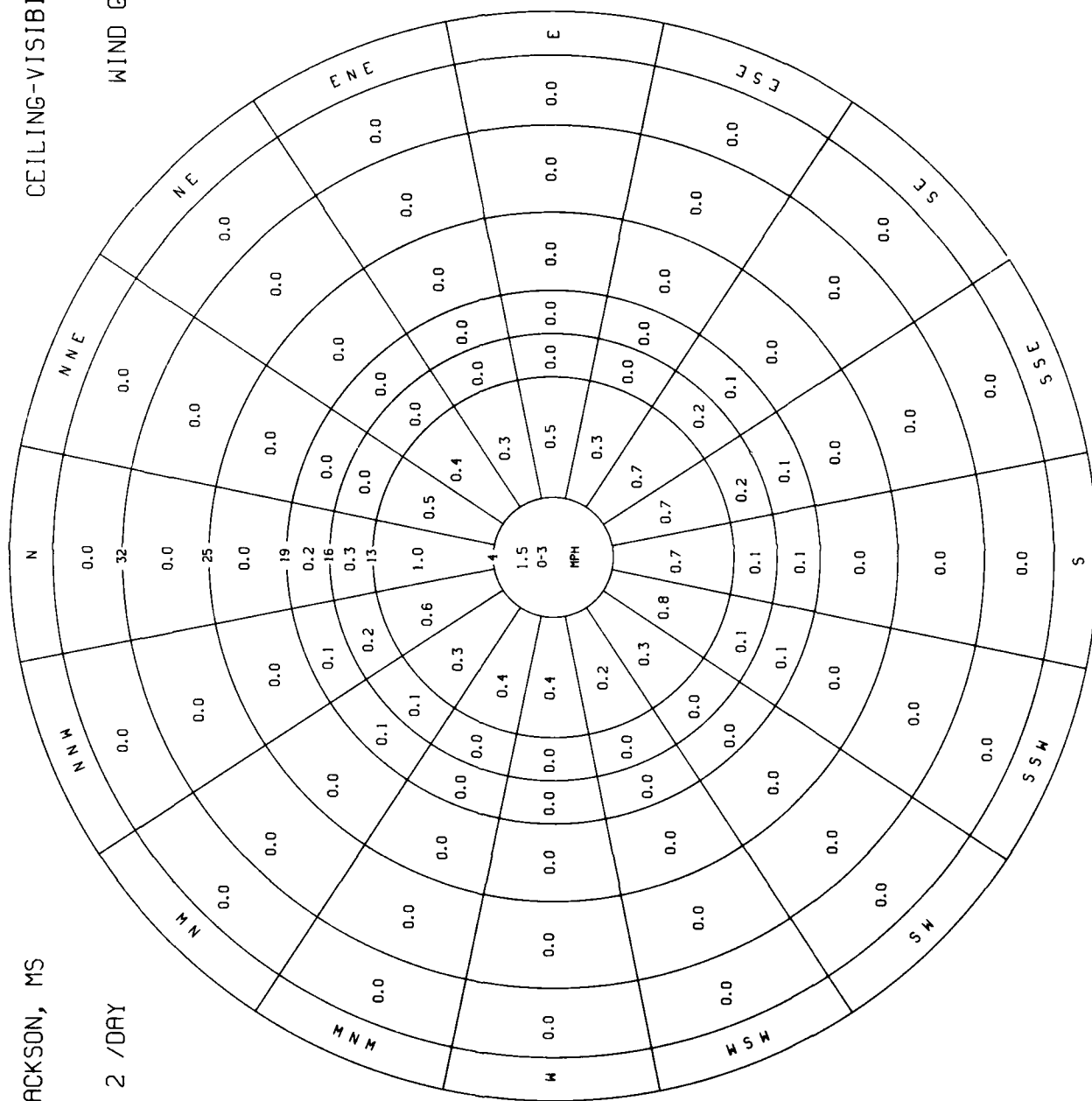
STATION NUMBER: 03940

NO. OBS.: 17342

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       |      |     | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|------|-----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |      |     |                      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  | C     | D    |     |                      |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |       |      |     |                      |
| N           | .9                 | 1.0  | 3.6  | 4.2  | .7    | .8  | .4    | .5  | .1    | .2 | .0    | .0 | .0  | .0 | 5.8   | 6.7  | 8.9 |                      |
| NNE         | .5                 | .6   | 2.1  | 2.4  | .3    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 3.0   | 3.5  | 7.7 |                      |
| NE          | .6                 | .7   | 2.1  | 2.5  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.9   | 3.3  | 6.5 |                      |
| ENE         | .6                 | .7   | 1.8  | 2.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.5   | 2.9  | 5.5 |                      |
| E           | .8                 | 1.0  | 2.8  | 3.2  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 3.7   | 4.3  | 6.2 |                      |
| ESE         | .9                 | 1.0  | 2.7  | 3.2  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 3.8   | 4.4  | 6.4 |                      |
| SE          | 1.6                | 1.9  | 6.6  | 7.6  | .5    | .6  | .3    | .4  | .1    | .1 | .0    | .0 | .0  | .0 | 9.2   | 10.6 | 7.4 |                      |
| SSE         | 1.1                | 1.2  | 7.8  | 9.1  | .7    | .8  | .4    | .4  | .1    | .1 | .0    | .0 | .0  | .0 | 10.1  | 11.7 | 7.9 |                      |
| S           | .9                 | 1.0  | 6.2  | 7.1  | .9    | 1.0 | .6    | .7  | .1    | .2 | .0    | .0 | .0  | .0 | 8.7   | 10.0 | 8.9 |                      |
| SSW         | .8                 | .9   | 4.5  | 5.2  | .4    | .5  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 5.9   | 6.9  | 7.8 |                      |
| SW          | .4                 | .4   | .9   | 1.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.3   | 1.5  | 6.1 |                      |
| WSW         | .3                 | .3   | .4   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .7    | .9   | 5.6 |                      |
| W           | .3                 | .4   | .6   | .7   | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.0   | 1.2  | 6.5 |                      |
| WNW         | .3                 | .3   | .9   | 1.0  | .1    | .1  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.3   | 1.5  | 7.6 |                      |
| NW          | .2                 | .2   | .8   | .9   | .1    | .1  | .1    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | 1.3   | 1.5  | 9.0 |                      |
| NNW         | .5                 | .6   | 1.8  | 2.1  | .3    | .4  | .2    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | 3.0   | 3.4  | 8.7 |                      |
| CALM        | 22.4               | 25.9 |      |      |       |     |       |     |       |    |       |    |     |    | 22.4  | 25.9 |     |                      |
| TOTAL       | 33.0               | 38.2 | 45.7 | 52.9 | 4.3   | 5.0 | 2.5   | 3.0 | .8    | .9 | .1    | .1 | .0  | .0 | 86.4  | 100  | 5.7 |                      |

CEILING-VISIBILITY  
WIND GRAPH

JAN JACKSON, MS  
CLASS 2 /DAY





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 2 / DAY

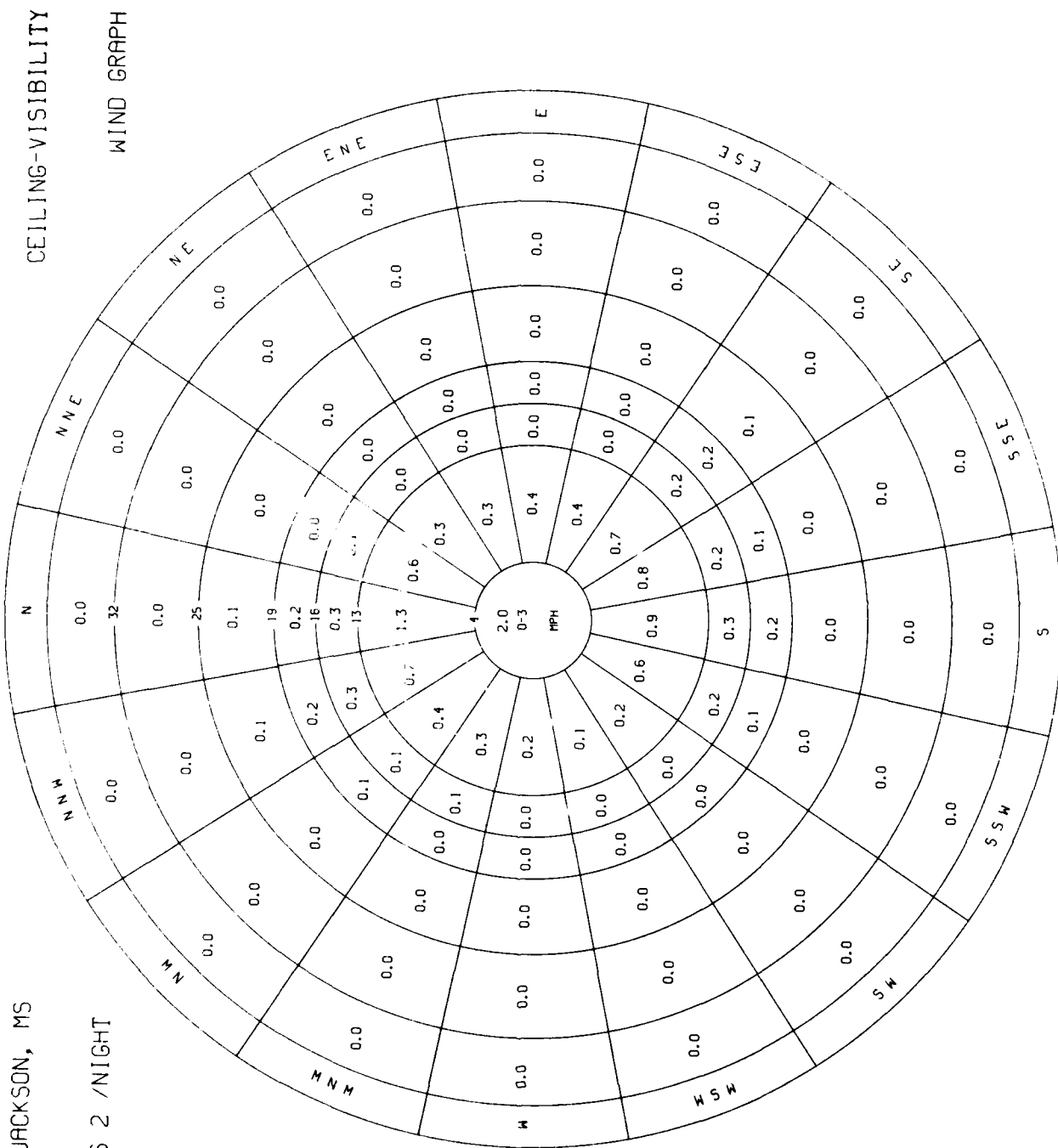
STATION NUMBER: 03940

NO. OBS.: 2905

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |       |      |
|             |                    |      |      |      |       |      |       |     |       |     |       |    |     |    |                      |       |      |
| N           | .1                 | .4   | 1.0  | 8.2  | .3    | 2.8  | .2    | 1.5 | .0    | .3  | .0    | .0 | .0  | .0 | 1.6                  | 13.2  | 11.1 |
| NNE         | .0                 | .3   | .5   | 4.4  | .0    | .3   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .7                   | 5.6   | 9.2  |
| NE          | .0                 | .3   | .4   | 3.2  | .0    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .5                   | 3.8   | 8.0  |
| ENE         | .1                 | .6   | .3   | 2.3  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 3.1   | 6.8  |
| E           | .1                 | .6   | .5   | 3.9  | .0    | .4   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .6                   | 5.1   | 8.1  |
| ESE         | .1                 | .4   | .3   | 2.8  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .5                   | 3.8   | 8.2  |
| SE          | .0                 | .3   | .7   | 5.3  | .2    | 1.3  | .1    | .7  | .0    | .3  | .0    | .1 | .0  | .0 | 1.0                  | 8.1   | 10.6 |
| SSE         | .0                 | .3   | .7   | 5.5  | .2    | 1.4  | .1    | .9  | .0    | .3  | .0    | .0 | .0  | .0 | 1.0                  | 8.5   | 10.3 |
| S           | .1                 | .6   | .7   | 6.0  | .1    | 1.1  | .1    | .6  | .0    | .2  | .0    | .1 | .0  | .0 | 1.1                  | 8.6   | 9.7  |
| SSW         | .0                 | .3   | .8   | 6.3  | .1    | .9   | .1    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | 1.0                  | 8.3   | 9.5  |
| SW          | .0                 | .4   | .3   | 2.4  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 3.1   | 7.9  |
| WSW         | .0                 | .2   | .2   | 1.7  | .0    | .1   | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .3                   | 2.2   | 8.5  |
| W           | .0                 | .3   | .4   | 3.0  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5                   | 3.8   | 8.2  |
| WNW         | .0                 | .2   | .4   | 3.4  | .0    | .2   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .5                   | 4.4   | 9.5  |
| NW          | .0                 | .1   | .3   | 2.7  | .1    | .7   | .1    | .4  | .0    | .1  | .0    | .1 | .0  | .0 | .5                   | 4.1   | 11.1 |
| NNW         | .0                 | .3   | .6   | 4.7  | .2    | 1.9  | .1    | 1.0 | .0    | .3  | .0    | .0 | .0  | .0 | 1.0                  | 8.3   | 11.3 |
| CALM        | .8                 | 6.2  |      |      |       |      |       |     |       |     |       |    |     |    | .8                   | 6.2   |      |
| TOTAL       | 1.5                | 11.9 | 8.1  | 66.0 | 1.5   | 12.3 | .9    | 7.1 | .3    | 2.1 | .1    | .5 | .0  | .1 | 12.2                 | 100   | 9.1  |

JAN JACKSON, MS

CLASS 2 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 2 / NIGHT

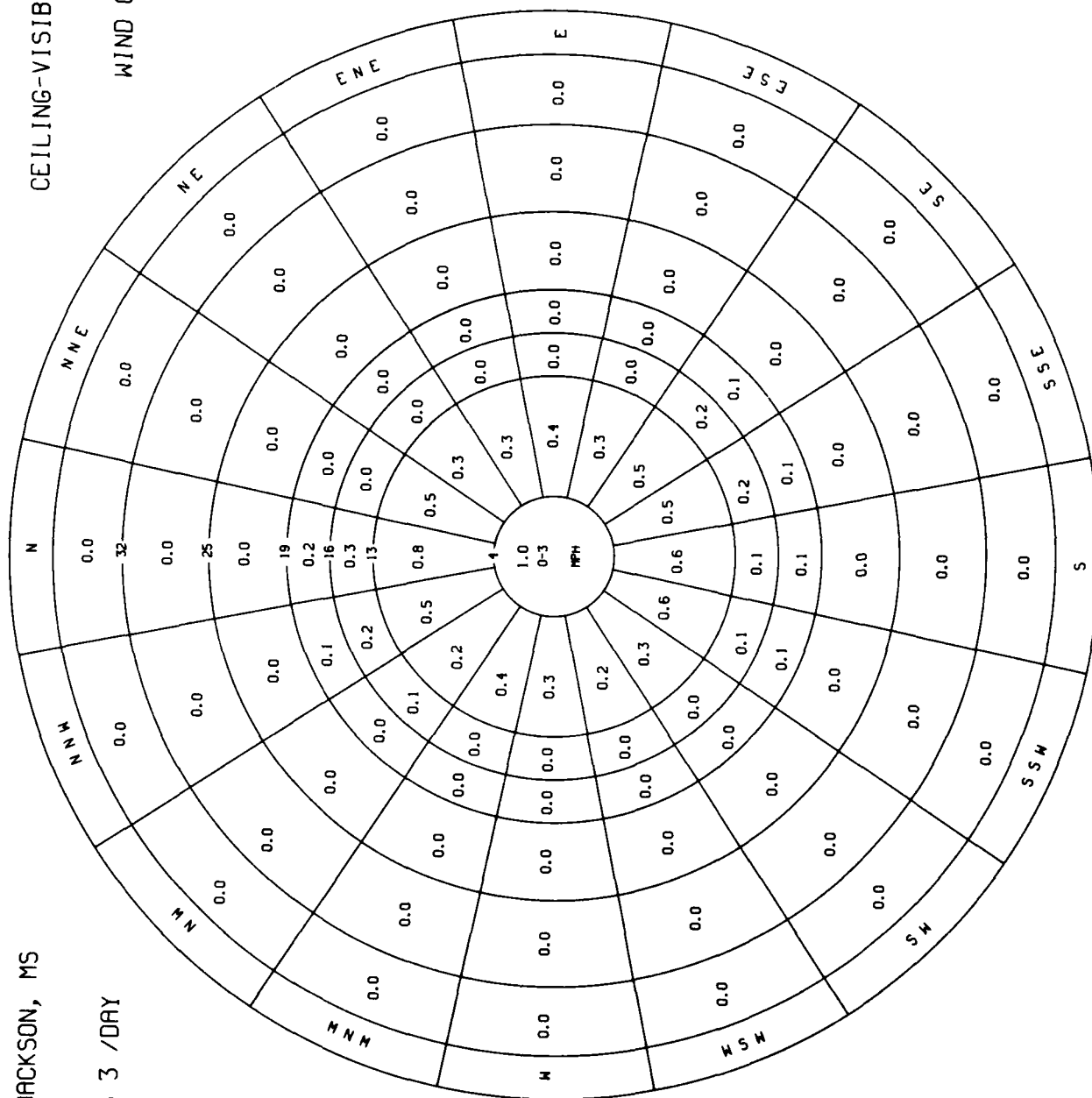
STATION NUMBER: 03940

NO. OBS.: 2739

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | .7   | 1.3  | 9.2  | .3    | 2.4  | .2    | 1.2 | .1    | .5  | .0    | .0 | .0  | .0 | 1.9 13.9             |
| NNE         | .1                 | .6   | .6   | 4.3  | .1    | .8   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .8 6.2               |
| NNE         | .1                 | .5   | .3   | 2.6  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.2               |
| ENE         | .1                 | .8   | .3   | 2.1  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.1               |
| E           | .1                 | .4   | .4   | 3.0  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.7               |
| ESE         | .1                 | .5   | .4   | 2.8  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.8               |
| SE          | .1                 | 1.0  | .7   | 5.2  | .2    | 1.5  | .2    | 1.3 | .1    | .4  | .0    | .1 | .0  | .0 | 1.3 9.5              |
| SSE         | .1                 | .4   | .8   | 5.9  | .2    | 1.5  | .1    | .8  | .0    | .2  | .0    | .0 | .0  | .0 | 1.2 8.9              |
| S           | .1                 | .4   | .9   | 6.3  | .3    | 1.9  | .2    | 1.4 | .0    | .3  | .0    | .1 | .0  | .0 | 1.4 10.5             |
| SSW         | .1                 | .7   | .6   | 4.3  | .2    | 1.2  | .1    | .7  | .0    | .1  | .0    | .0 | .0  | .0 | .9 6.9               |
| SW          | .0                 | .2   | .2   | 1.4  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.7               |
| WSW         | .0                 | .3   | .1   | .8   | .0    | .0   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.2               |
| W           | .0                 | .3   | .2   | 1.5  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 2.3               |
| WNW         | .1                 | .4   | .3   | 2.4  | .1    | .5   | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.7               |
| NW          | .0                 | .2   | .4   | 3.0  | .1    | .7   | .1    | .6  | .0    | .2  | .0    | .0 | .0  | .0 | .6 4.6               |
| NNW         | .1                 | .4   | .7   | 5.5  | .3    | 2.1  | .2    | 1.4 | .1    | .5  | .0    | .1 | .0  | .0 | 1.4 9.9              |
| CALM        | .9                 | 6.9  |      |      |       |      |       |     |       |     |       |    |     |    | .9 6.9               |
| TOTAL       | 2.0                | 14.7 | 8.2  | 60.4 | 1.9   | 13.9 | 1.1   | 8.4 | .3    | 2.3 | .0    | .4 | .0  | .0 | 13.6 100             |
|             |                    |      |      |      |       |      |       |     |       |     |       |    |     |    | 9.1                  |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 3 / DAY

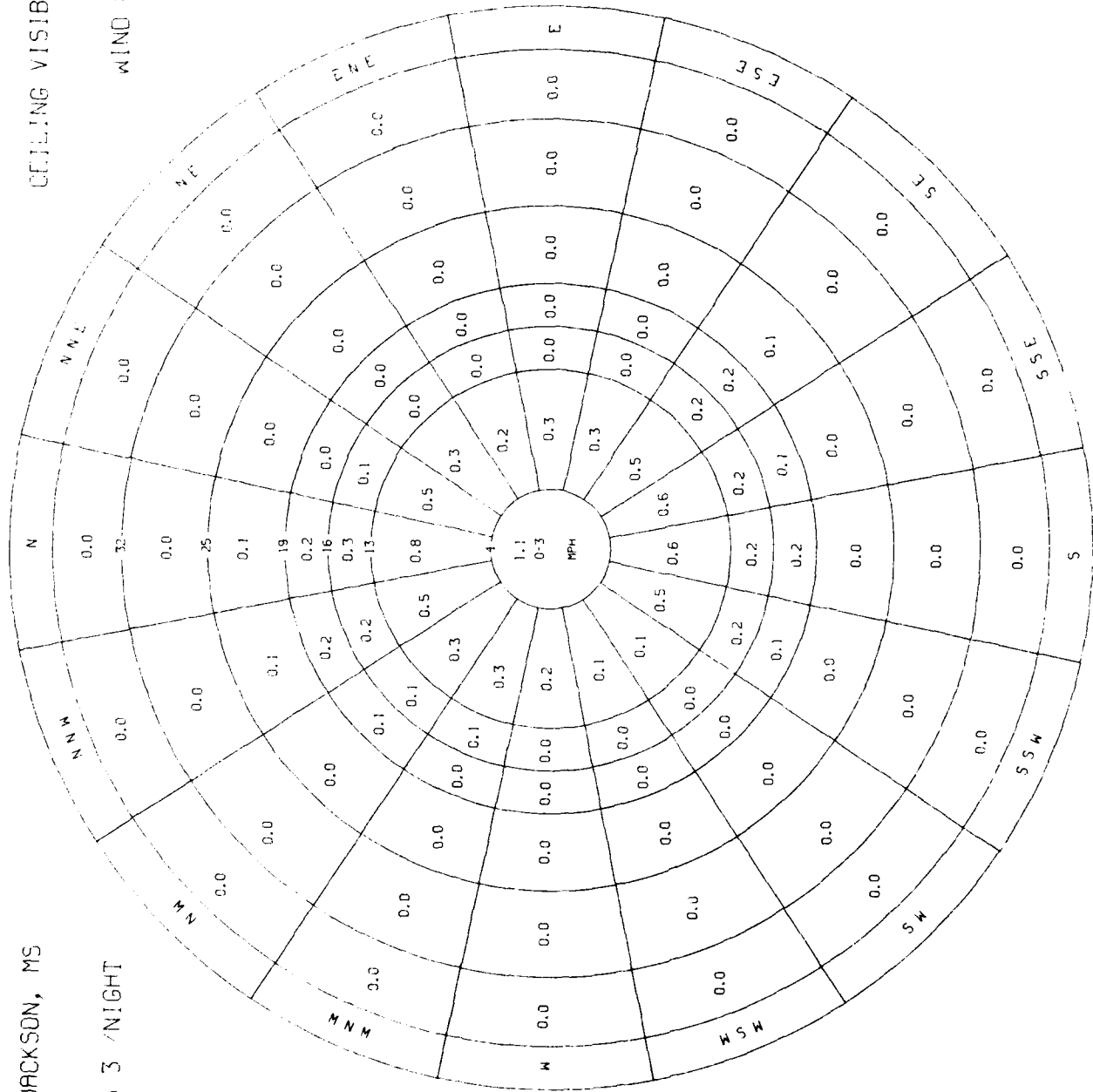
STATION NUMBER: 03940

NO. OBS.: 2417

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .2  | .8   | 8.1  | .3    | 3.2  | .2    | 1.7 | .0    | .4  | .0    | .0 | .0  | .0 | 1.4 13.6             |
| NNE         | .0                 | .3  | .5   | 4.5  | .0    | .4   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .6 5.7               |
| NE          | .0                 | .2  | .3   | 3.4  | .0    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.9               |
| ENE         | .0                 | .4  | .3   | 2.5  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.1               |
| E           | .1                 | .5  | .4   | 4.1  | .0    | .5   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .6 5.4               |
| ESE         | .0                 | .4  | .3   | 2.9  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4 3.9               |
| SE          | .0                 | .3  | .5   | 5.0  | .2    | 1.5  | .1    | .8  | .0    | .4  | .0    | .2 | .0  | .0 | .8 8.3               |
| SSE         | .0                 | .2  | .5   | 5.0  | .2    | 1.7  | .1    | 1.0 | .0    | .4  | .0    | .0 | .0  | .0 | .9 8.4               |
| S           | .0                 | .4  | .6   | 5.5  | .1    | 1.3  | .1    | .6  | .0    | .2  | .0    | .2 | .0  | .0 | .8 8.2               |
| SSW         | .0                 | .2  | .6   | 6.1  | .1    | 1.0  | .1    | .7  | .0    | .2  | .0    | .0 | .0  | .0 | .8 8.2               |
| SW          | .0                 | .2  | .3   | 2.6  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.1               |
| WSW         | .0                 | .2  | .2   | 1.9  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 2.3               |
| W           | .0                 | .3  | .3   | 3.1  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.9               |
| WNW         | .0                 | .2  | .4   | 3.7  | .0    | .3   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .5 4.8               |
| NW          | .0                 | .1  | .2   | 2.3  | .1    | .7   | .0    | .5  | .0    | .1  | .0    | .1 | .0  | .0 | .4 3.7               |
| NNW         | .0                 | .2  | .5   | 4.5  | .2    | 2.1  | .1    | 1.2 | .0    | .4  | .0    | .0 | .0  | .0 | .9 8.4               |
| CALM        | .5                 | 5.0 |      |      |       |      |       |     |       |     |       |    |     |    | .5 5.0               |
| TOTAL       | 1.0                | 9.7 | 6.6  | 65.2 | 1.4   | 13.9 | .8    | 8.1 | .2    | 2.4 | .1    | .5 | .0  | .1 | 10.2 100             |
|             |                    |     |      |      |       |      |       |     |       |     |       |    |     |    | 9.6                  |

CEILING VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1944-1978

CLASS 3 / NIGHT

STATION NUMBER: 03940

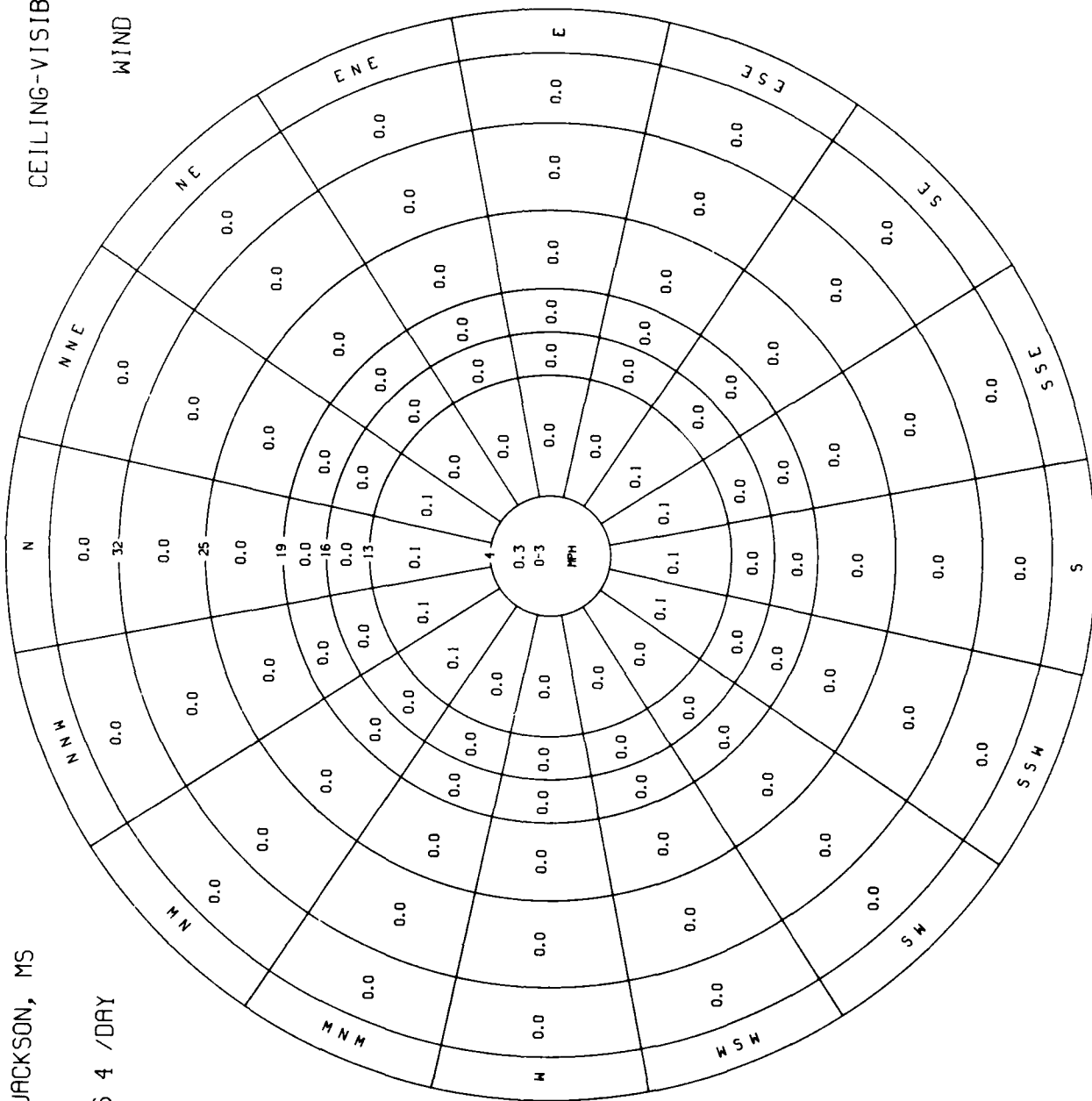
NO. OBS.: 2082

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |      |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |
|-------------|--------------------|------|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|----------------------|-------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |
|             | A                  | B    | A    | B    | A     | B    | A     | B    | A     | B   | A     | B  | A   | B  |                      |       |
| N           | .0                 | .4   | .8   | 8.2  | .3    | 2.6  | .2    | 1.5  | .1    | .6  | .0    | .0 | .0  | .0 | 1.4                  | 3.3   |
| NNE         | .0                 | .3   | .5   | 4.5  | .1    | 1.0  | .0    | .4   | .0    | .1  | .0    | .0 | .0  | .0 | .6                   | 1.2   |
| NE          | .0                 | .3   | .3   | 2.6  | .0    | .1   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | .3    |
| ENE         | .1                 | .8   | .2   | 2.2  | .0    | .2   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | 1.2   |
| E           | .0                 | .3   | .3   | 3.4  | .0    | .2   | .0    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 1.3   |
| ESE         | .0                 | .5   | .3   | 2.8  | .0    | .4   | .0    | .2   | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 1.3   |
| SE          | .1                 | .7   | .5   | 4.9  | .2    | 1.8  | .2    | 1.7  | .1    | .5  | .0    | .0 | .0  | .0 | 1.0                  | 3.3   |
| SSE         | .0                 | .4   | .6   | 6.1  | .2    | 2.0  | .1    | 1.0  | .0    | .2  | .0    | .0 | .0  | .0 | 1.0                  | 3.3   |
| S           | .0                 | .3   | .6   | 5.7  | .2    | 2.3  | .0    | 1.8  | .0    | .4  | .1    | .0 | .0  | .0 | 1.0                  | 3.3   |
| SSW         | .0                 | .5   | .5   | 4.8  | .2    | 1.5  | .1    | .9   | .0    | .1  | .0    | .0 | .0  | .0 | .3                   | 1.2   |
| SW          | .0                 | .2   | .1   | 1.2  | .0    | .1   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    |
| WSW         | .0                 | .2   | .1   | .9   | .0    | .0   | .0    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    |
| W           | .0                 | .2   | .2   | 1.7  | .0    | .4   | .0    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    |
| WNW         | .0                 | .3   | .3   | 2.7  | .1    | .7   | .0    | .3   | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | 1.2   |
| NW          | .0                 | .2   | .2   | 3.2  | .1    | .6   | .1    | .7   | .0    | .2  | .0    | .0 | .0  | .0 | .3                   | 1.2   |
| NNW         | .0                 | .2   | .5   | 4.9  | .2    | 2.2  | .2    | 1.7  | .1    | .6  | .0    | .0 | .0  | .0 | 1.1                  | 3.3   |
| CALM        | .5                 | 4.5  |      |      |       |      |       |      |       |     |       |    |     |    |                      |       |
| TOTAL       | 1.1                | 10.3 | 6.2  | 59.7 | 1.7   | 16.2 | 1.1   | 10.5 | .2    | 2.9 | .4    | .0 | .0  | .0 | 16.4                 | 47.3  |

JAN JACKSON, MS

CLASS 4 /DAY

CEILING-VISIBILITY  
WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 4 / DAY

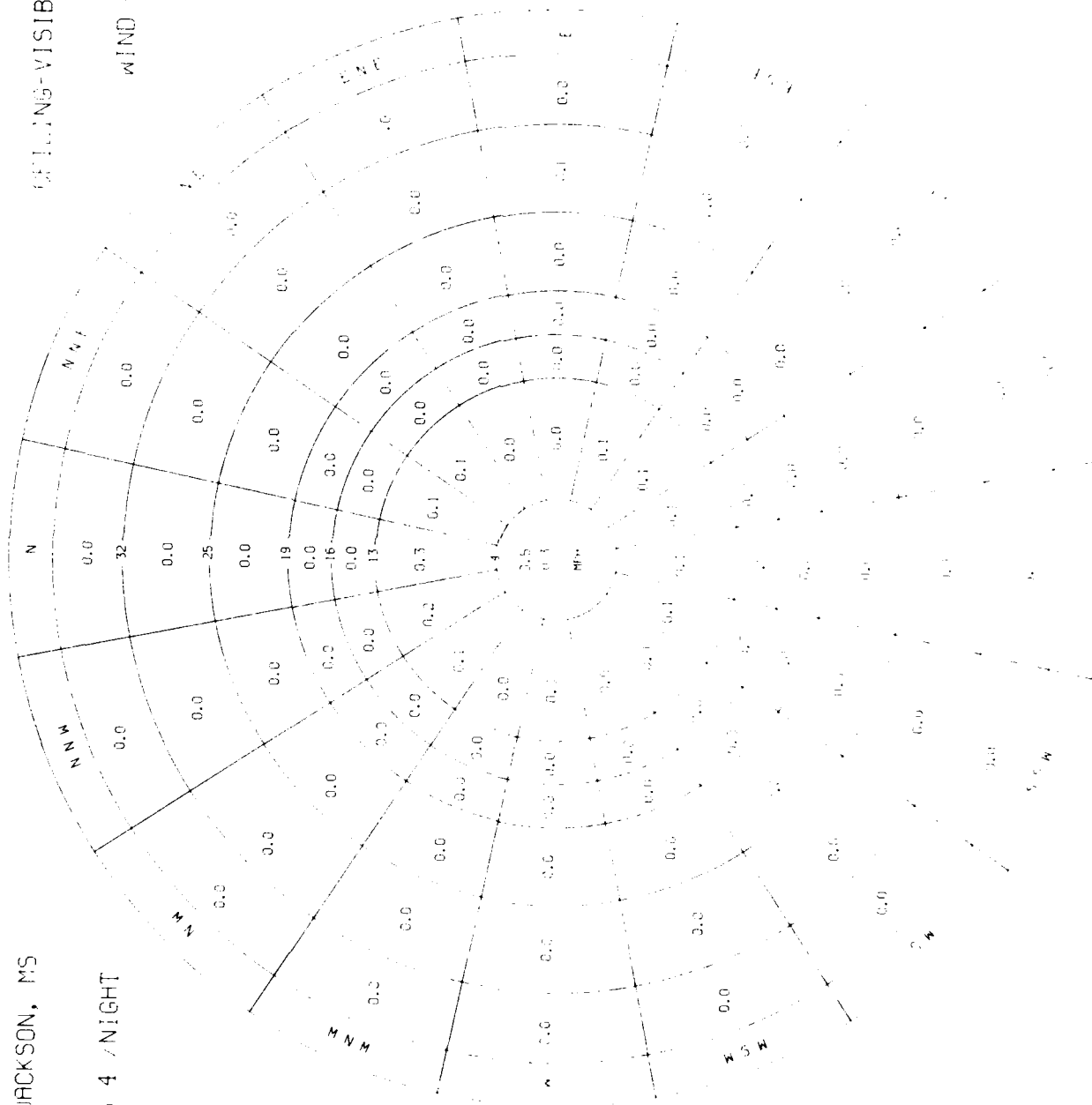
STATION NUMBER: 03940

NO. OBS.: 358

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 9.2  | .0    | 1.1 | .0    | .8  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 11.7                 | 9.3  |
| NNE         | .0                 | .3   | .1   | 4.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .3 | .0  | .0 | .1    | 4.7                  | 8.7  |
| NE          | .0                 | .6   | .0   | 3.1  | .0    | .6  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 4.2                  | 6.9  |
| ENE         | .0                 | 2.0  | .0   | 2.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 4.2                  | 5.0  |
| E           | .0                 | .3   | .0   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.1                  | 6.7  |
| ESE         | .0                 | .6   | .0   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 3.4                  | 5.8  |
| SE          | .0                 | .3   | .1   | 6.4  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 7.0                  | 7.7  |
| SSE         | .0                 | .8   | .1   | 8.1  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 9.2                  | 7.7  |
| S           | .0                 | 1.4  | .1   | 7.5  | .0    | .6  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 9.8                  | 7.6  |
| SSW         | .0                 | .0   | .1   | 6.7  | .0    | .6  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 7.5                  | 7.7  |
| SW          | .0                 | 1.7  | .0   | 1.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 8.0                  | 8.0  |
| WSW         | .0                 | .0   | .0   | .8   | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 3.4                  | 4.6  |
| W           | .0                 | .6   | .0   | 2.5  | .0    | .3  | .0    | .0  | .0    | .3 | .0    | .0 | .0  | .0 | .0    | 1.4                  | 10.6 |
| WNW         | .0                 | .0   | .0   | 2.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 3.4                  | 7.3  |
| NW          | .0                 | .3   | .1   | 5.3  | .0    | .8  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.8                  | 8.6  |
| NNW         | .0                 | .8   | .1   | 6.4  | .0    | .8  | .0    | .3  | .0    | .3 | .0    | .0 | .0  | .0 | .1    | 7.0                  | 9.2  |
| CALM        | .1                 | 8.4  |      |      |       |     | .0    | .6  | .0    | .3 | .0    | .0 | .0  | .0 | .1    | 8.9                  | 9.2  |
| TOTAL       | .3                 | 18.4 | 1.1  | 72.3 | .1    | 5.0 | .0    | 3.1 | .0    | .8 | .0    | .3 | .0  | .0 | 1.5   | 100                  | 7.2  |

# WIND-VELOCITY WIND GRAPH

JAN JACKSON, MS  
CLASS 4 / NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 4 / NIGHT

STATION NUMBER: 03940

NO. OBS.: 424

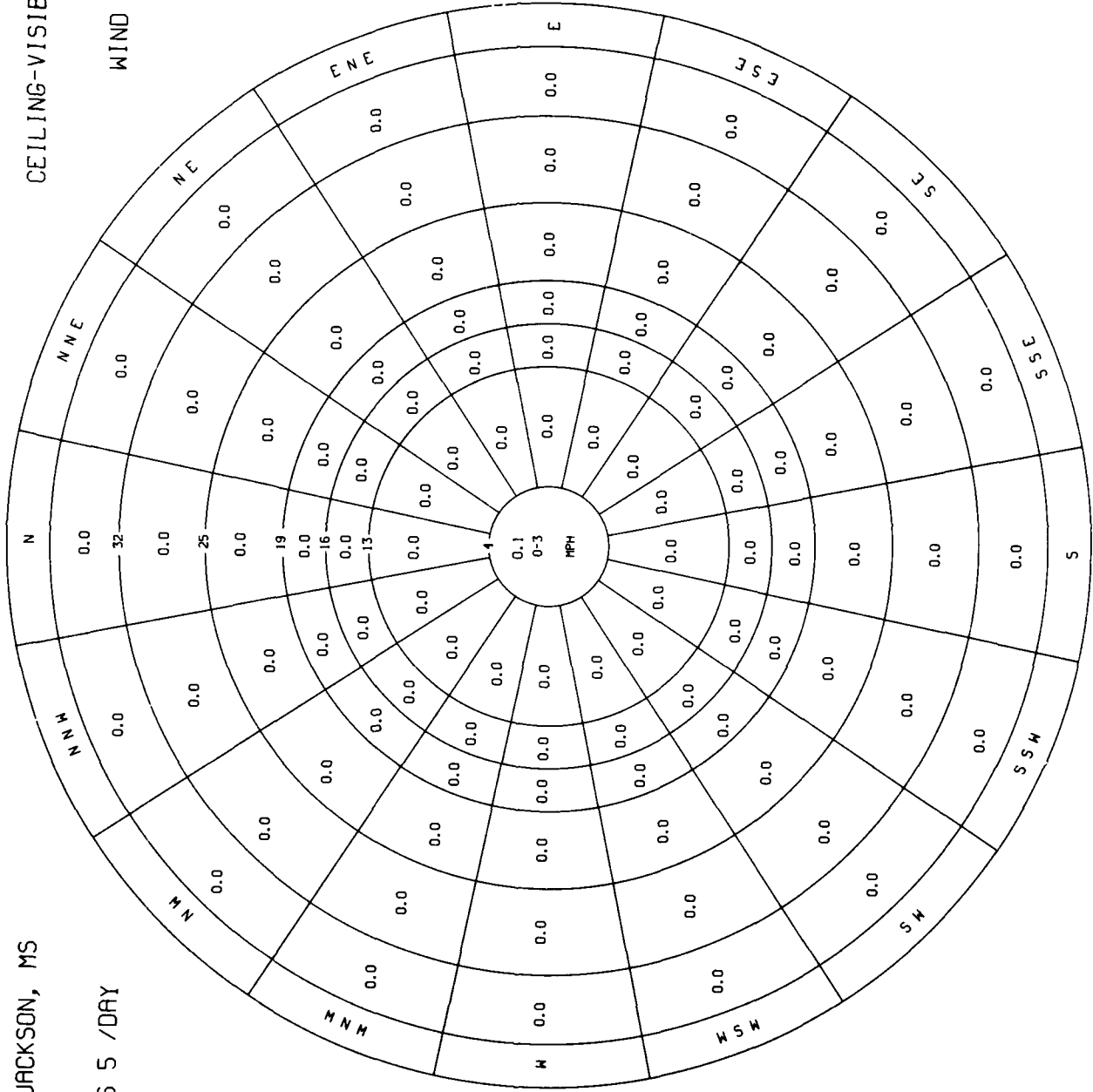
| C<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |       |      |     |
| N           | .0                 | 1.7  | .3   | 13.9 | .0    | 1.9 | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 17.7 | 8.8 |
| NNE         | .0                 | 1.2  | .1   | 5.4  | .0    | .2  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.1  | 7.4 |
| NF          | .0                 | .9   | .1   | 2.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.5  | 5.9 |
| ENE         | .0                 | .9   | .0   | 2.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.3  | 5.4 |
| E           | .0                 | .5   | .0   | 2.1  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.8  | 6.4 |
| ESE         | .0                 | .7   | .1   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.8  | 6.2 |
| SE          | .0                 | .9   | .1   | 6.4  | .0    | .7  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 8.0  | 8.1 |
| SSE         | .0                 | .7   | .1   | 4.0  | .0    | .2  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.2  | 7.8 |
| S           | .0                 | 1.2  | .1   | 6.8  | .0    | .9  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 9.2  | 9.0 |
| SSW         | .0                 | .9   | .1   | 2.8  | .0    | .5  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.2  | 5.7 |
| SW          | .0                 | .2   | .0   | 2.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.4  | 5.0 |
| WSW         | .0                 | .5   | .0   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.2  | 5.0 |
| W           | .0                 | .5   | .0   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.4  | 5.0 |
| WNW         | .0                 | .5   | .0   | 2.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.4  | 5.0 |
| NW          | .0                 | .2   | .1   | 2.8  | .0    | 1.4 | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.4  | 5.0 |
| NNW         | .0                 | .5   | .2   | 8.7  | .0    | 2.1 | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.4  | 5.0 |
| CALC        | .2                 | 10.1 |      |      |       |     |       |     |       |    |       |    |     |    |                      |       |      |     |
| TOTAL       | .2                 | 22.0 | 1.4  | 66.7 | .2    | 8.4 | .3    | 1.1 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |       |      |     |

JAN JACKSON, MS

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 5 / DAY

STATION NUMBER: 03940

NO. OBS.: 87

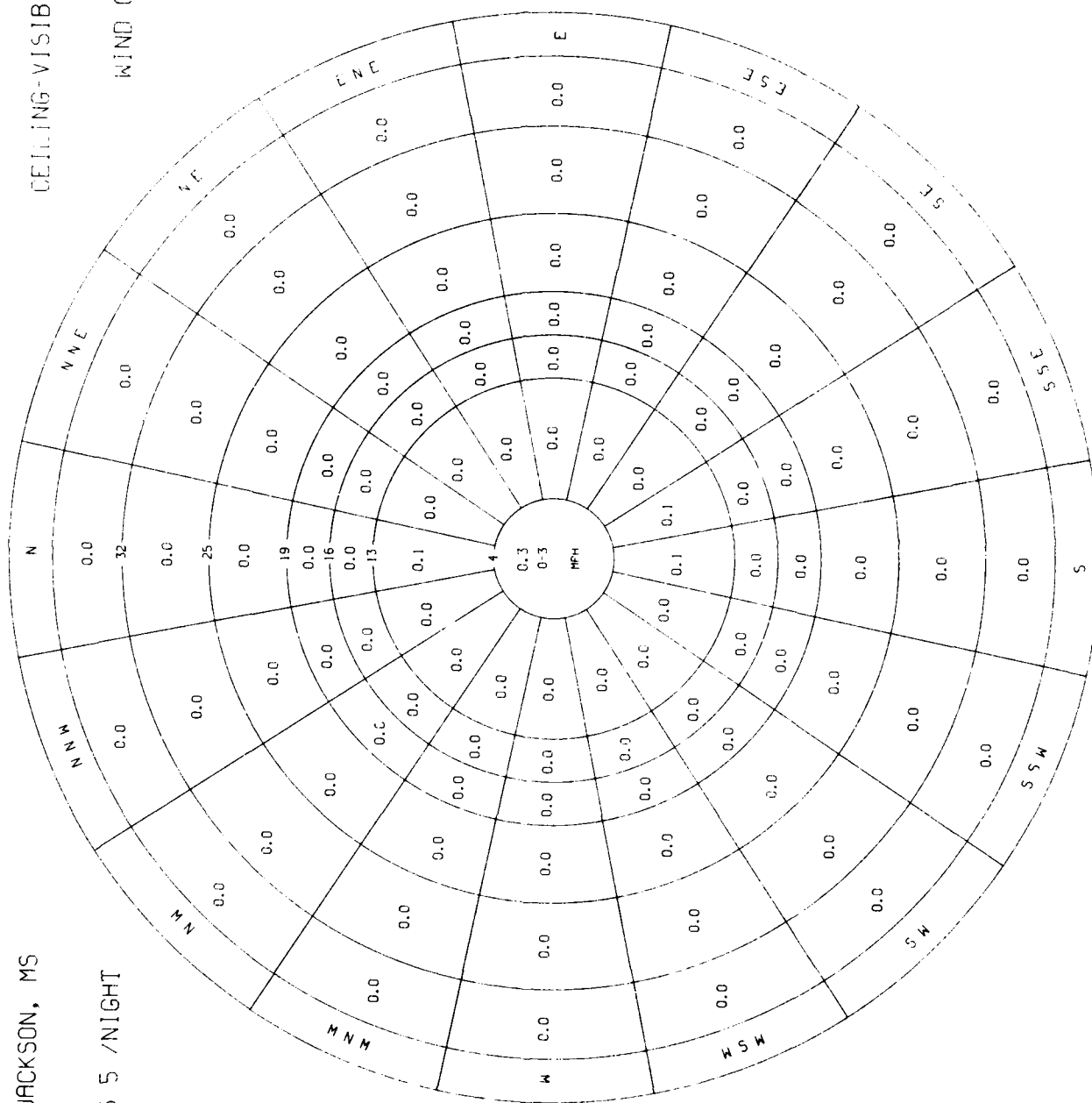
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 9.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 11.5                 | 7.8  |
| NNE         | .0                 | 1.1  | .0   | 4.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.7                  | 7.0  |
| NE          | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | .0   |
| ENE         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | .0   |
| E           | .0                 | 2.3  | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 4.6                  | 5.0  |
| ESE         | .0                 | .0   | .0   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.1                  | 5.0  |
| SE          | .0                 | .0   | .0   | 9.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 9.2                  | 8.0  |
| SSE         | .0                 | .0   | .0   | 5.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.7                  | 7.0  |
| S           | .0                 | 2.3  | .0   | 9.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 11.5                 | 6.4  |
| SSW         | .0                 | 3.4  | .0   | 8.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 11.5                 | 6.0  |
| SW          | .0                 | .0   | .0   | .0   | .0    | 1.1 | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.1                  | 14.0 |
| WSW         | .0                 | .0   | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.3                  | 6.5  |
| W           | .0                 | .0   | .0   | 3.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.4                  | 6.3  |
| WNW         | .0                 | .0   | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.3                  | 6.0  |
| NW          | .0                 | .0   | .0   | 2.3  | .0    | .0  | .0    | 1.1 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.4                  | 12.7 |
| NNW         | .0                 | 1.1  | .0   | 3.4  | .0    | 1.1 | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.7                  | 6.4  |
| CALM        | .1                 | 20.7 |      |      |       |     |       |     |       |    |       |    |     |    | .1    | 20.7                 |      |
| TOTAL       | .1                 | 33.3 | .2   | 63.2 | .0    | 2.3 | .0    | 1.1 | .0    | .0 | .0    | .0 | .0  | .0 | .4    | 100                  | 5.6  |

JAN JACKSON, MS

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1964-1978

STATION NAME: JAN JACKSON, MS

CLASS 5 / NIGHT

NO. OBS.: 163

STATION NUMBER: 03940

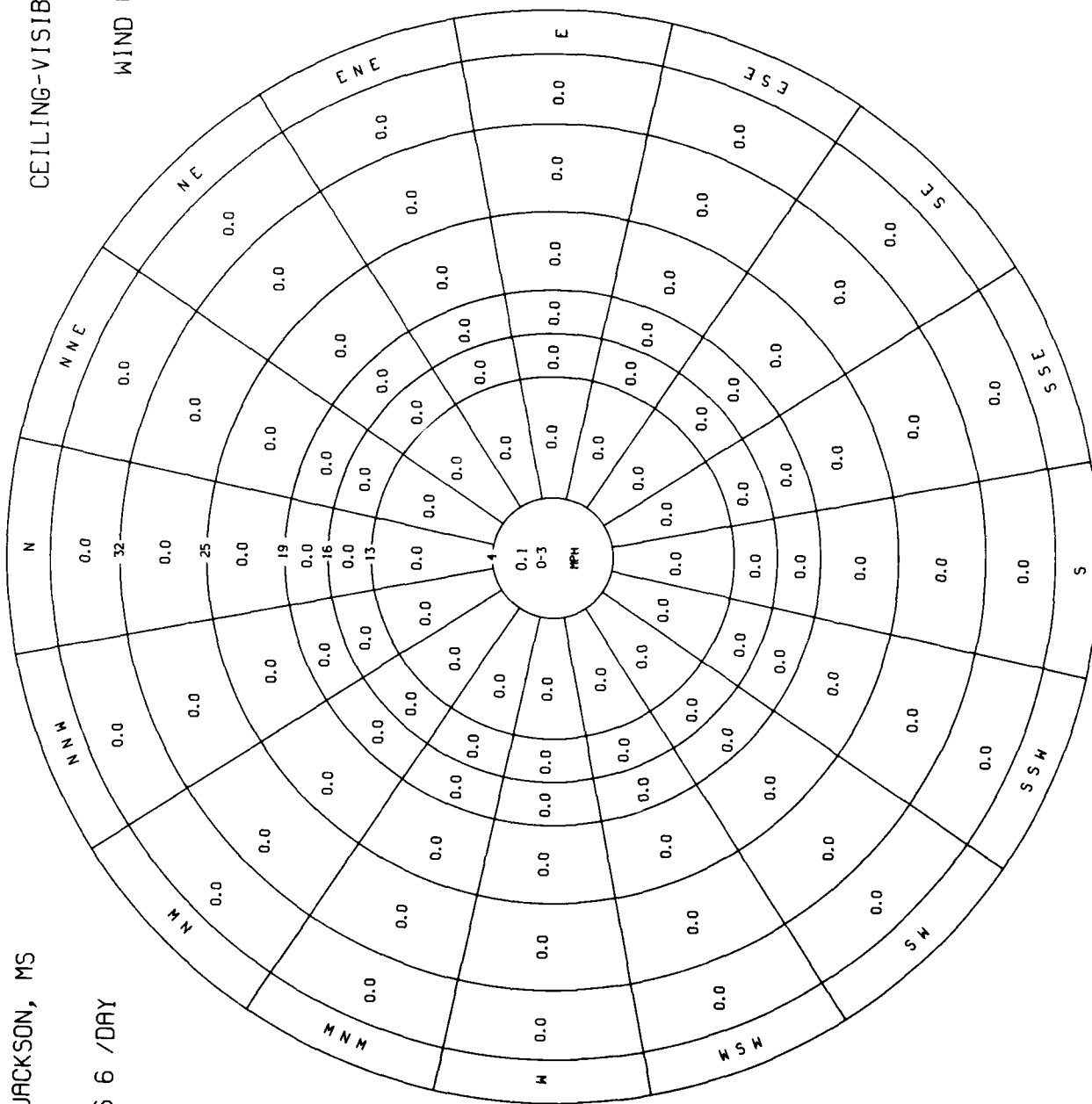
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .0                 | 1.8  | .1   | 12.9 | .0    | 1.8 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 16.6 | 8.1 |
| NNE         | .0                 | 3.1  | .0   | 1.8  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 5.5  | 5.7 |
| NNE         | .0                 | 1.8  | .0   | 1.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 4.4 |
| ENE         | .0                 | .6   | .0   | .6   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.2  | 5.0 |
| E           | .0                 | 1.8  | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.7  | 4.7 |
| ESE         | .0                 | .6   | .0   | 2.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 4.8 |
| SE          | .0                 | 2.5  | .0   | 5.5  | .0    | .6  | .0    | .6 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 9.2  | 6.8 |
| SSE         | .0                 | .0   | .1   | 6.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 6.7  | 7.2 |
| S           | .0                 | .0   | .1   | 9.8  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 10.4 | 7.8 |
| SSW         | .0                 | 1.8  | .0   | 2.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.3  | 6.0 |
| SW          | .0                 | .0   | .0   | 3.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 6.2 |
| WSW         | .0                 | 1.2  | .0   | .6   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.8  | 4.3 |
| W           | .0                 | 1.2  | .0   | .6   | .0    | .0  | .0    | .0 | .0    | .6 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.5  | 9.0 |
| WNW         | .0                 | 1.8  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.8  | 2.7 |
| NW          | .0                 | .6   | .0   | .6   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.2  | 4.5 |
| NNW         | .0                 | 1.2  | .0   | 5.5  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.4  | 6.5 |
| CALM        | .1                 | 18.4 |      |      |       |     |       |    |       |    |       |    |     |    |                      | .1    | 18.4 |     |
| TOTAL       | .3                 | 38.7 | .5   | 55.8 | .0    | 4.3 | .0    | .6 | .0    | .6 | .0    | .0 | .0  | .0 | .0                   | .8    | 100  | 5.4 |

JAN JACKSON, MS

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS: 6 / DAY

STATION NUMBER: 03940

NO. OBS.: 43

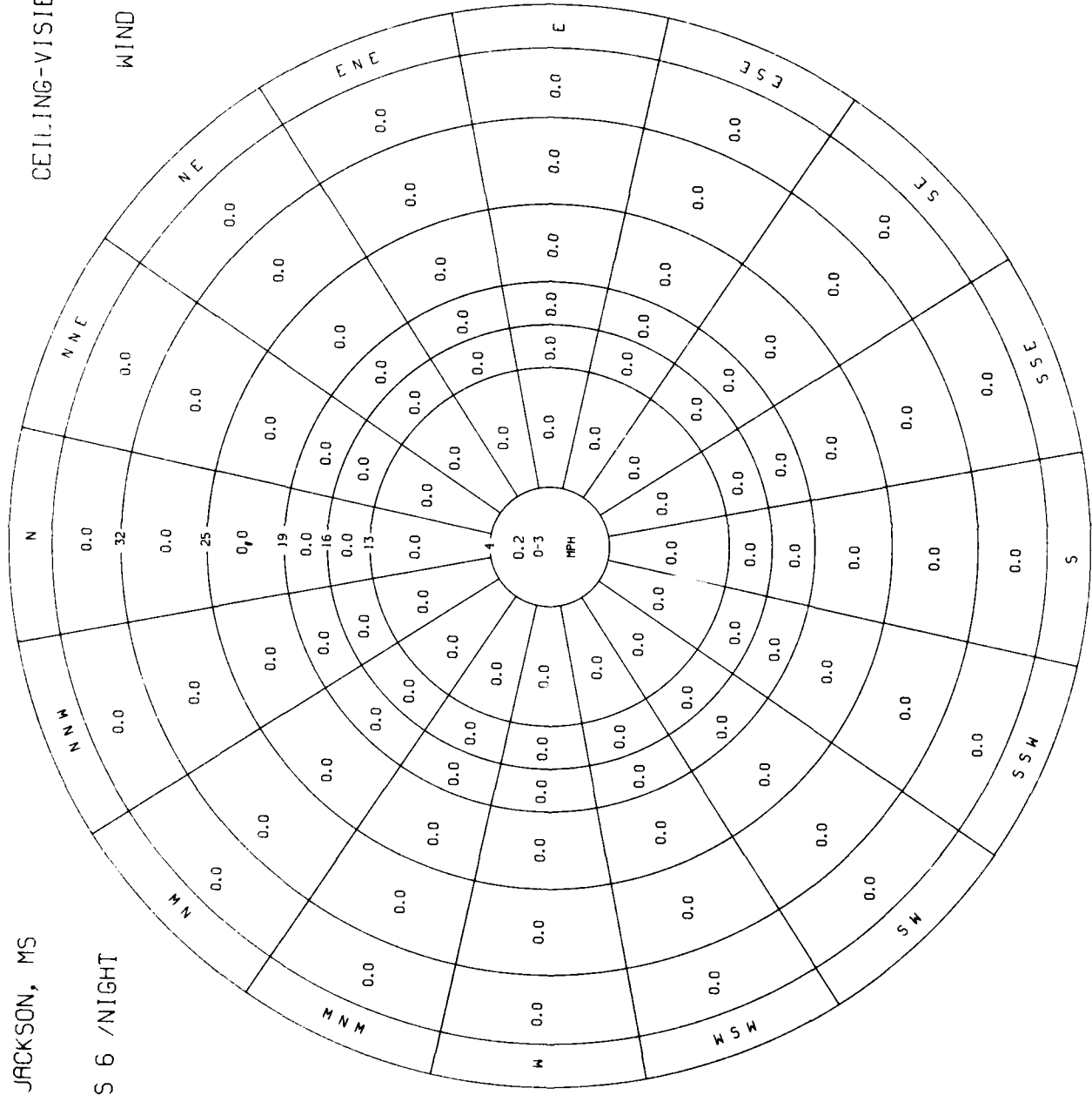
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 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  | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.0   | 4.0  |
| NNE         | .0                 | 2.3  | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.7   | 5.5  |
| NE          | .0                 | .0   | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 9.0  |
| ENE         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0   |
| E           | .0                 | .0   | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 6.0  |
| ESE         | .0                 | .0   | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 6.0  |
| SE          | .0                 | .0   | .0   | 4.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.7   | 5.5  |
| SSE         | .0                 | 2.3  | .0   | 11.6 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 14.0  | 6.5  |
| S           | .0                 | .0   | .0   | 18.6 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 18.6  | 7.1  |
| SSW         | .0                 | .0   | .0   | 11.6 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 11.6  | 5.8  |
| SW          | .0                 | 2.3  | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.7   | 4.0  |
| WSW         | .0                 | .0   | .0   | .0   | .0    | 2.3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 15.0 |
| 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   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 5.0  |
| CALM        | .0                 | 23.3 |      |      |       |     |       |    |       |    |       |    |     |    | .0                   | 23.3  |      |
| TOTAL       | 1                  | 34.9 | 1    | 62.8 | .0    | 2.3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 100   | 4.9  |

JAN JACKSON, MS

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: JAN JACKSON, MS

PERIOD: 1964-1978

CLASS 6 / NIGHT

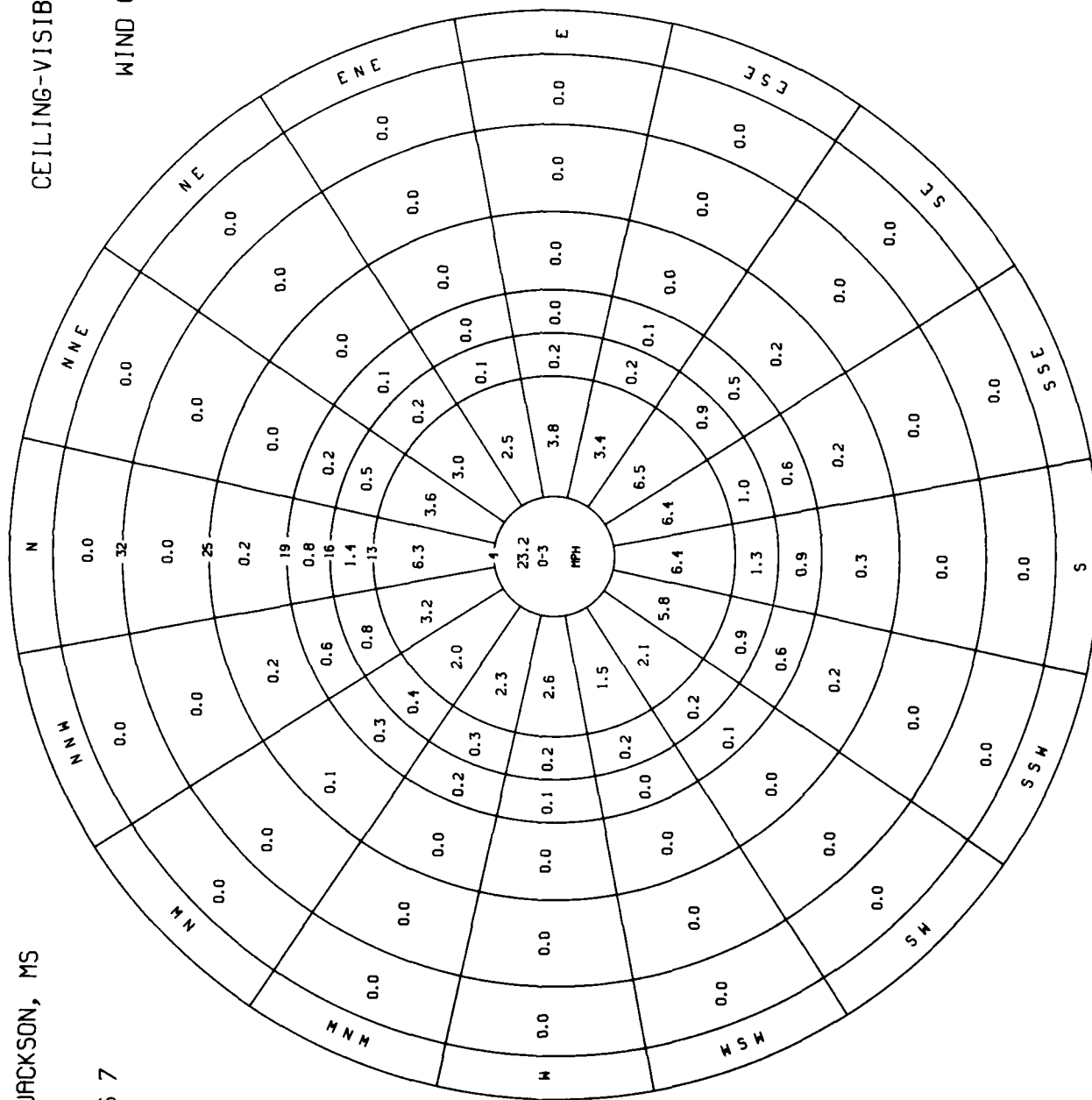
STATION NUMBER: 03940

NO. OBS.: 70

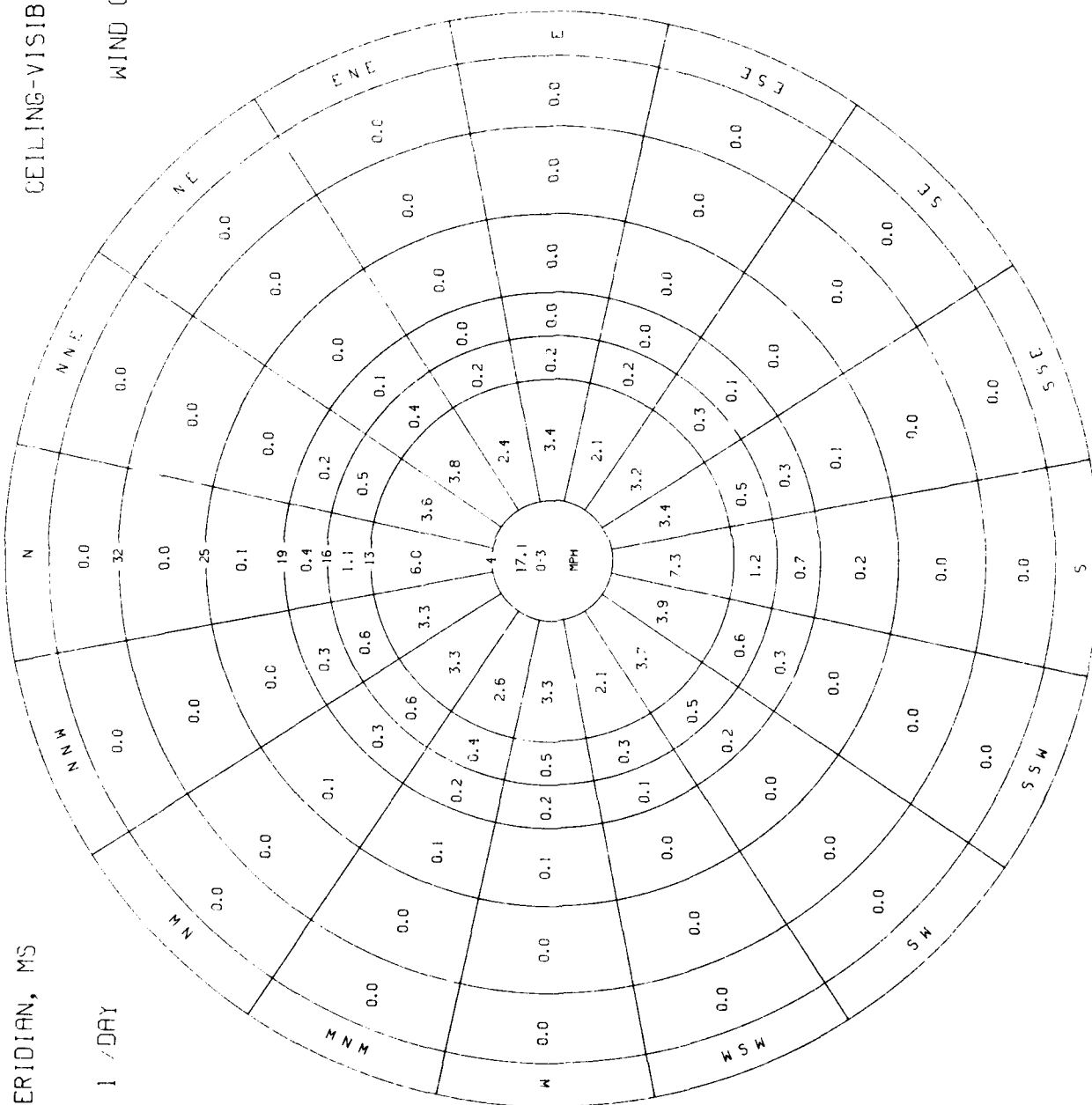
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      | C     | D    |
| N           | .0                 | 1.4  | .0   | 2.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.3   | 7.7  |
| NNE         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0   |
| NE          | .0                 | 1.4  | .0   | 2.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.3   | 5.7  |
| ENE         | .0                 | .0   | .0   | 2.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.9   | 5.5  |
| E           | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0   |
| ESE         | .0                 | .0   | .0   | 1.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.4   | 6.0  |
| SE          | .0                 | 5.7  | .0   | 5.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 11.4  | 4.4  |
| SSE         | .0                 | 1.4  | .0   | 8.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 10.0  | 5.9  |
| S           | .0                 | .0   | .0   | 12.9 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 12.9  | 7.9  |
| SSW         | .0                 | 1.4  | .0   | 4.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.7   | 5.2  |
| SW          | .0                 | .0   | .0   | 1.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.4   | 5.0  |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0   |
| W           | .0                 | .0   | .0   | 2.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.9   | 7.5  |
| WNW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0   |
| NW          | .0                 | .0   | .0   | 2.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.9   | 12.0 |
| NNW         | .0                 | 1.4  | .0   | 4.3  | .0    | 1.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.1   | 8.8  |
| CALM        | .1                 | 32.9 |      |      |       |     |       |    |       |    |       |    |     |    | .1                   | 32.9  |      |
| TOTAL       | .2                 | 45.7 | .2   | 52.9 | .0    | 1.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3                   | 100   | 4.5  |

## CEILING-VISIBILITY

## WIND GRAPH



CEILING-VISIBILITY  
WIND GRAPH



MEI MERIDIAN, MS

CLASS 1 /DAY

PRECEDING PAGE BLANK-NOT FILMED

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 1 / DAY

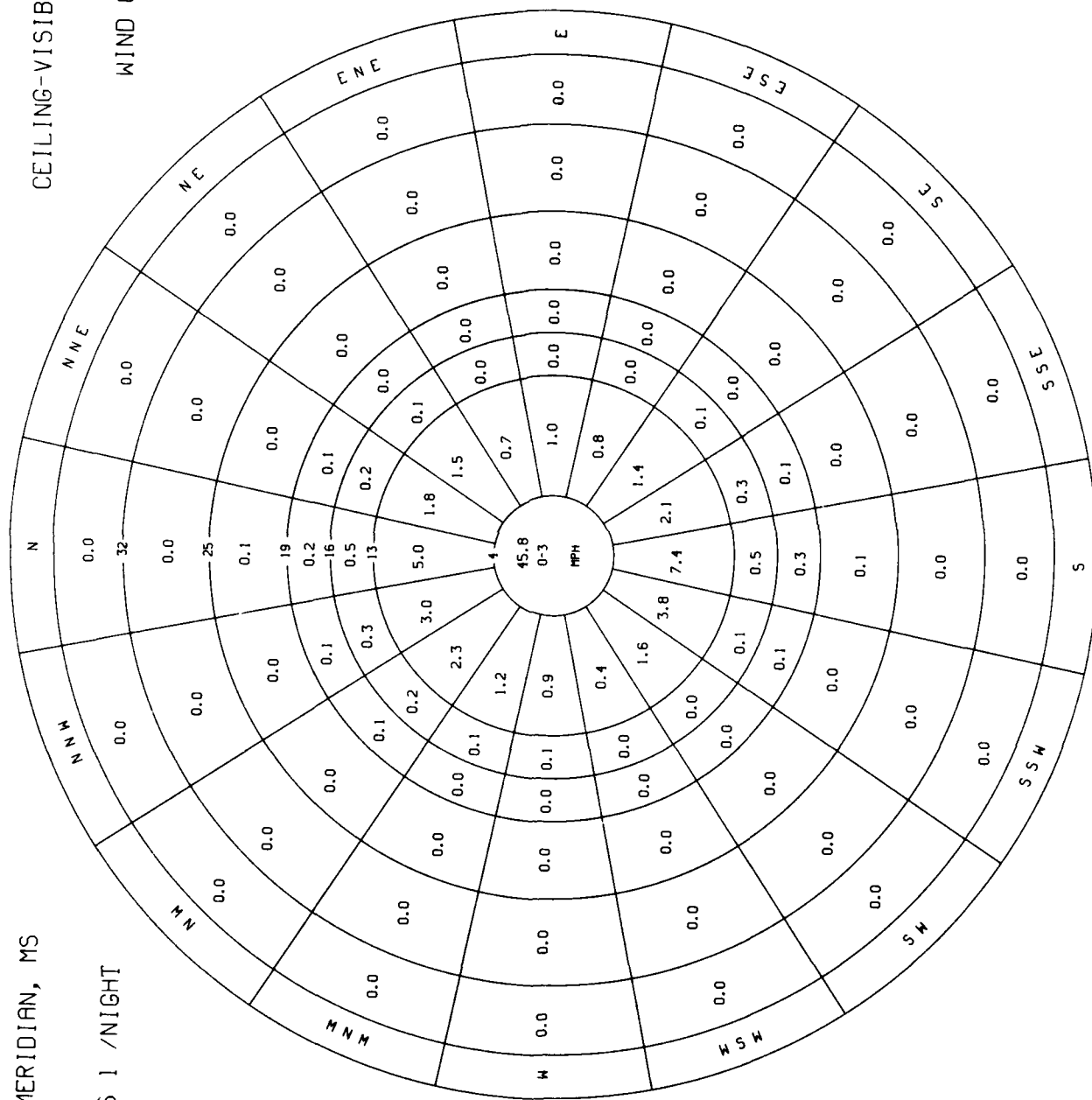
STATION NUMBER: 13865

NO. OBS.: 30767

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |   |       |   |     |   |       |      |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|---|-------|---|-----|---|-------|------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |   | 25-31 |   | 32+ |   | TOTAL |      |      |                      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B | A     | B | A   | B | C     | D    |      |                      |
| N           | 5                  | 6    | 5.0  | 6.9  | 1.1   | 1.2 | 4     | 5   | 1     | 1 | 0     | 0 | 0   | 0 | 5.1   | 5.4  | 5.1  |                      |
| NNE         | 2                  | 4    | 3.8  | 4.2  | 5     | 5   | 2     | 2   | 0     | 0 | 0     | 0 | 0   | 0 | 4.6   | 5.0  | 4.6  |                      |
| NNE         | 3                  | 4    | 3.8  | 4.4  | 4     | 5   | 1     | 1   | 0     | 0 | 0     | 0 | 0   | 0 | 4.7   | 5.4  | 5.0  |                      |
| ENE         | 2                  | 3    | 2.4  | 3.8  | 1     | 2   | 0     | 0   | 0     | 0 | 1     | 0 | 0   | 0 | 2.8   | 3.3  | 3.1  |                      |
| E           | 4                  | 5    | 3.4  | 3.9  | 3     | 2   | 0     | 0   | 0     | 0 | 0     | 0 | 0   | 0 | 4.0   | 4.1  | 4.4  |                      |
| ESE         | 3                  | 3    | 2.1  | 2.5  | 3     | 1   | 0     | 0   | 0     | 0 | 0     | 0 | 0   | 0 | 2.6   | 3.0  | 2.7  |                      |
| SE          | 2                  | 4    | 3.5  | 3.6  | 3     | 3   | 1     | 1   | 0     | 0 | 0     | 0 | 0   | 0 | 3.9   | 4.1  | 4.0  |                      |
| SSE         | 4                  | 5    | 3.4  | 3.9  | 4     | 5   | 3     | 3   | 1     | 1 | 0     | 0 | 0   | 0 | 4.6   | 5.5  | 5.0  |                      |
| S           | 3                  | 0    | 1.3  | 3.4  | 1     | 1   | 1     | 3   | 2     | 2 | 0     | 0 | 0   | 0 | 10.5  | 11.1 | 10.7 |                      |
| SSW         | 5                  | 6    | 3.3  | 4.5  | 5     | 7   | 3     | 4   | 1     | 0 | 0     | 0 | 0   | 0 | 5.4   | 5.5  | 5.4  |                      |
| SW          | 7                  | 8    | 3.7  | 4.2  | 4     | 5   | 2     | 2   | 0     | 0 | 0     | 0 | 0   | 0 | 6.1   | 6.3  | 6.2  |                      |
| WSW         | 2                  | 3    | 2.1  | 2.4  | 2     | 3   | 1     | 1   | 0     | 0 | 0     | 0 | 0   | 0 | 2.5   | 3.3  | 2.9  |                      |
| W           | 5                  | 6    | 3.3  | 3.5  | 4     | 5   | 2     | 2   | 1     | 0 | 0     | 0 | 0   | 0 | 4.6   | 5.3  | 5.4  |                      |
| WNW         | 4                  | 4    | 2.8  | 3.0  | 4     | 4   | 2     | 2   | 1     | 0 | 0     | 0 | 0   | 0 | 3.6   | 4.2  | 3.8  |                      |
| NW          | 5                  | 6    | 3.3  | 3.8  | 4     | 4   | 3     | 4   | 1     | 0 | 0     | 0 | 0   | 0 | 4.8   | 5.1  | 5.0  |                      |
| NNW         | 4                  | 4    | 3.3  | 3.8  | 4     | 4   | 3     | 4   | 0     | 0 | 0     | 0 | 0   | 0 | 4.1   | 5.4  | 5.0  |                      |
| CALM        | 10.1               | 11.7 |      |      | 7.9   | 9.1 | 3.5   | 4.0 | 2     | 4 | 1     | 1 | 0   | 0 | 10.1  | 11.7 |      |                      |
| TOTAL       | 17.1               | 19.7 | 46.2 | 60.2 | 7.9   | 9.1 | 3.5   | 4.0 | 2     | 4 | 1     | 1 | 0   | 0 | 86.7  | 100  | 7.8  |                      |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 1 / NIGHT

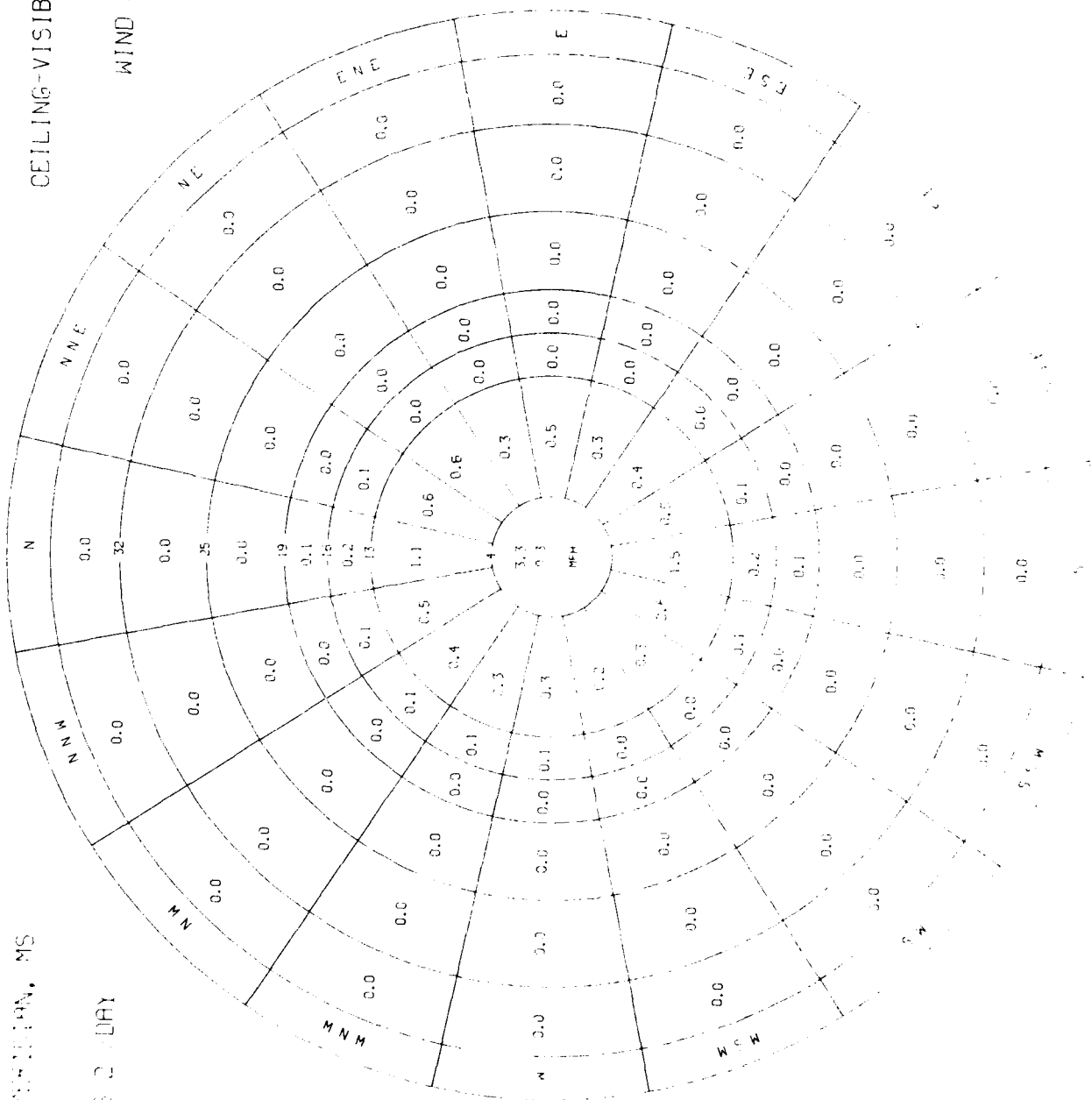
STATION NUMBER: 13865

NO. OBS.: 24465

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .7                 | .8   | 5.0  | 5.9  | .5    | .6  | .2    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | 6.5 7.7              |
| NNE         | .2                 | .2   | 1.8  | 2.2  | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 2.3 2.7              |
| NE          | .2                 | .3   | 1.5  | 1.8  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.8 2.1              |
| ENE         | .1                 | .1   | .7   | .8   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .8 1.0               |
| E           | .3                 | .3   | 1.0  | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.3 1.6              |
| ESE         | .2                 | .2   | .8   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.0 1.2              |
| SE          | .3                 | .4   | 1.4  | 1.7  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.9 2.2              |
| SSE         | .5                 | .6   | 2.1  | 2.5  | .3    | .4  | .1    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | 3.1 3.7              |
| S           | 2.1                | 2.5  | 7.4  | 8.7  | .5    | .6  | .3    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | 10.4 12.3            |
| SSW         | 1.3                | 1.5  | 3.8  | 4.4  | .1    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 5.2 6.1              |
| SW          | .9                 | 1.1  | 1.6  | 1.9  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.6 3.1              |
| WSW         | .2                 | .2   | .4   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .7 .8                |
| W           | .6                 | .7   | .9   | 1.0  | .1    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.6 1.9              |
| WNW         | .5                 | .6   | 1.2  | 1.4  | .1    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.9 2.2              |
| NW          | .9                 | 1.1  | 2.3  | 2.7  | .2    | .2  | .1    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | 3.5 4.1              |
| NNW         | .7                 | .9   | 3.0  | 3.5  | .3    | .3  | .1    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | 4.2 4.9              |
| CALM        | 36.1               | 42.5 |      |      |       |     |       |     |       |    |       |    |     |    | 36.1 42.5            |
| TOTAL       | 45.8               | 53.9 | 35.1 | 41.2 | 2.6   | 3.1 | 1.2   | 1.4 | .3    | .4 | .0    | .0 | .0  | .0 | 85.0 100             |



CEILING-VISIBILITY  
WIND GRAPH



WIND DIRECTION, MS

WIND SPEED, MS

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 2 / DAY

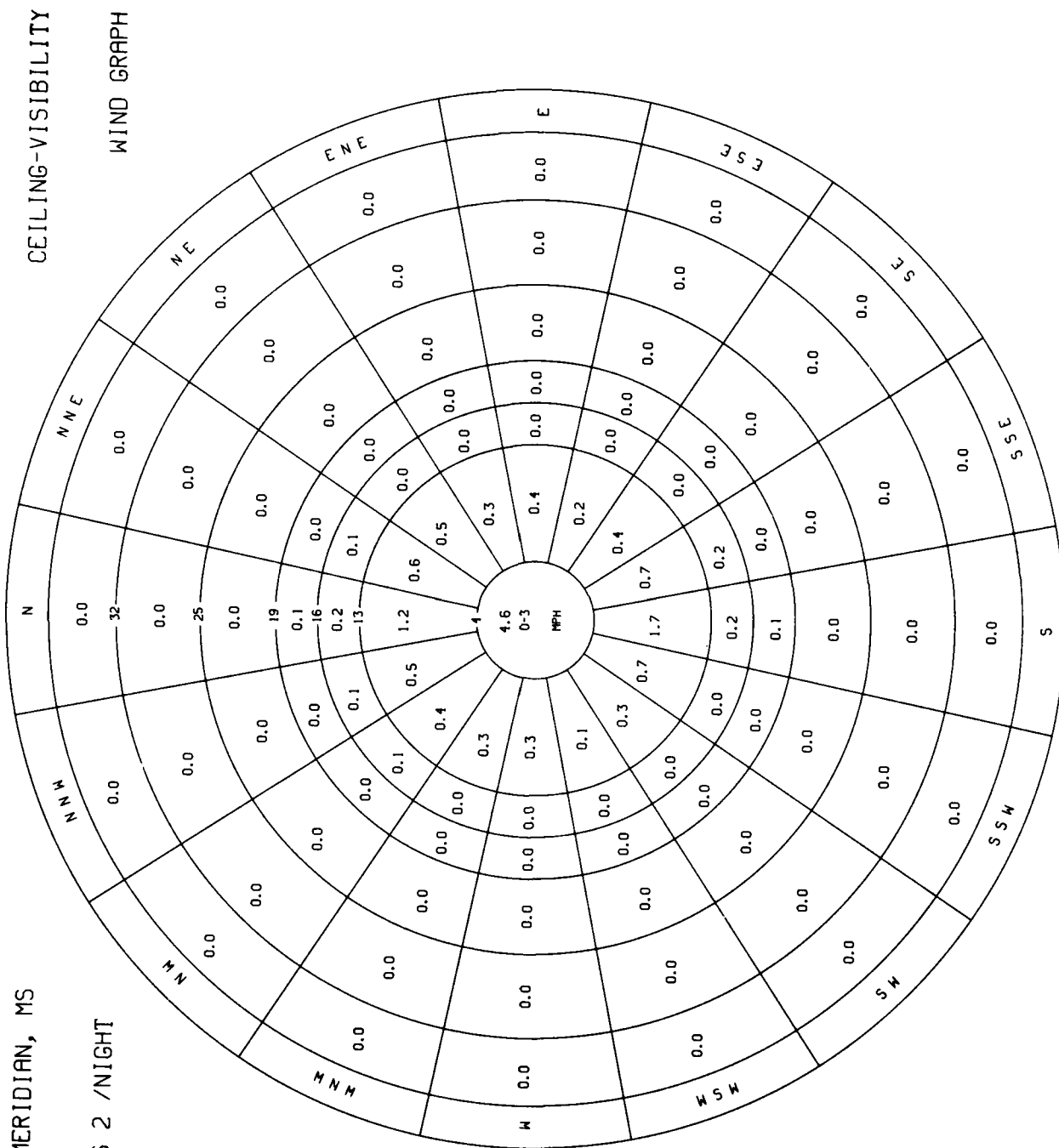
STATION NUMBER: 13865

NO. OBS.: 4710

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | .6   | 1.1  | 8.1  | .2    | 1.3 | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | 1.4 10.6             |
| NNE         | .0                 | .3   | .6   | 4.6  | .1    | .4  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .7 5.5               |
| NNE         | .0                 | .3   | .6   | 4.2  | .0    | .3  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .7 4.9               |
| ENE         | .1                 | .4   | .3   | 2.6  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.1               |
| E           | .1                 | .4   | .5   | 3.7  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6 4.5               |
| ESE         | .0                 | .3   | .3   | 2.1  | .0    | .2  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .4 2.7               |
| SE          | .0                 | .3   | .4   | 3.0  | .0    | .3  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.8               |
| SSE         | .1                 | .7   | .5   | 3.7  | .1    | .8  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .7 5.5               |
| S           | .2                 | 1.4  | 1.5  | 11.2 | .2    | 1.4 | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | 1.9 14.5             |
| SSW         | .1                 | 1.0  | .6   | 4.4  | .1    | .4  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .8 5.9               |
| SW          | .1                 | .5   | .3   | 2.6  | .0    | .3  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.5               |
| WSW         | .0                 | .3   | .2   | 1.4  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 2.0               |
| W           | .0                 | .3   | .3   | 2.0  | .1    | .6  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4 3.2               |
| WNW         | .0                 | .1   | .3   | 2.0  | .1    | .5  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .4 3.0               |
| NW          | .0                 | .3   | .4   | 2.8  | .1    | .6  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .5 4.0               |
| NNW         | .1                 | .6   | .5   | 4.0  | .1    | .8  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .8 5.8               |
| CALM        | 2.3                | 17.4 |      |      |       |     |       |     |       |     |       |    |     |    | 2.3 17.4             |
| TOTAL       | 3.3                | 25.2 | 8.3  | 62.3 | 1.1   | 8.5 | .4    | 2.8 | .1    | 1.0 | .0    | .2 | .0  | .0 | 13.3 100             |

MEI MERIDIAN, MS

CLASS 2 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

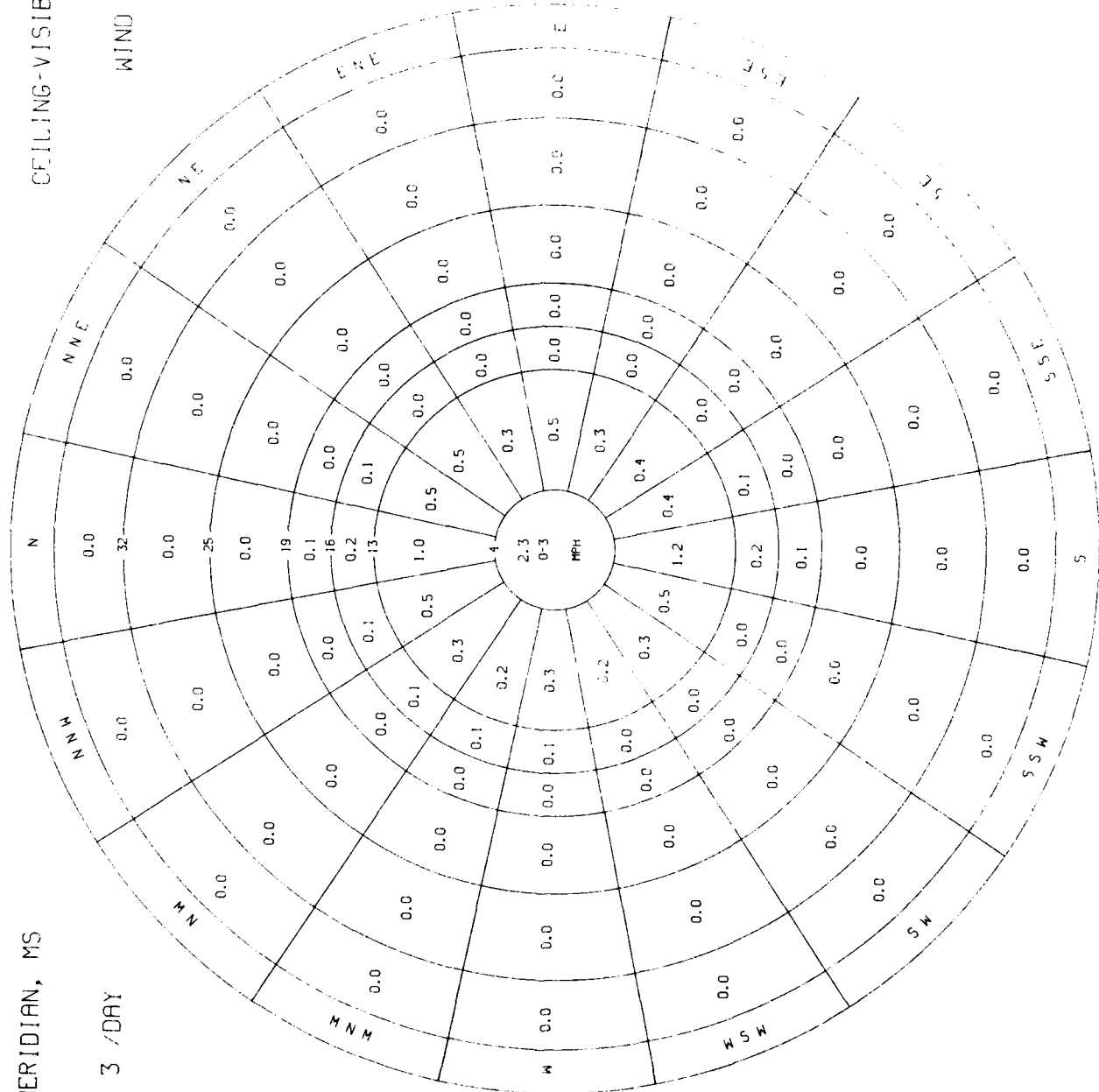
CLASS 2 / NIGHT

STATION NUMBER: 13865

NO. OBS.: 4321

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D   |
| N           | .1                 | .6   | 1.2  | 7.8  | .2    | 1.1 | .1    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | 1.5   | 10.1                 | 9.1 |
| NNE         | .1                 | .5   | .6   | 4.2  | .1    | .7  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .8    | 5.6                  | 8.3 |
| NE          | .1                 | .4   | .5   | 3.6  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .7    | 4.4                  | 7.8 |
| ENE         | .0                 | .1   | .3   | 1.7  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.0                  | 8.3 |
| E           | .1                 | .6   | .4   | 2.5  | .0    | .1  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 3.3                  | 7.3 |
| ESE         | .0                 | .2   | .2   | 1.6  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 1.9                  | 7.3 |
| SE          | .1                 | .4   | .4   | 2.7  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .5    | 3.4                  | 7.6 |
| SSE         | .1                 | .6   | .7   | 4.6  | .2    | 1.1 | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | 1.0   | 6.7                  | 9.2 |
| S           | .3                 | 1.8  | 1.7  | 11.3 | .2    | 1.3 | .1    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | 2.3   | 15.1                 | 8.2 |
| SSW         | .1                 | .9   | .7   | 4.9  | .0    | .2  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .9    | 6.2                  | 7.6 |
| SW          | .1                 | .5   | .3   | 1.9  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 2.5                  | 7.1 |
| WSW         | .0                 | .3   | .1   | .7   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 1.0                  | 6.9 |
| W           | .1                 | .4   | .3   | 1.9  | .0    | .3  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 2.8                  | 8.4 |
| WNW         | .0                 | .2   | .3   | 1.9  | .0    | .3  | .0    | .2  | .0    | .1  | .0    | .1 | .0  | .0 | .4    | 2.8                  | 9.6 |
| NW          | .1                 | .5   | .4   | 3.0  | .1    | .6  | .0    | .1  | .0    | .2  | .0    | .0 | .0  | .0 | .7    | 4.4                  | 9.3 |
| NNW         | .1                 | .6   | .5   | 3.6  | .1    | 1.0 | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | .8    | 5.6                  | 9.4 |
| CALM        | 3.3                | 22.2 |      |      |       |     |       |     |       |     |       |    |     |    | 3.3   | 22.2                 |     |
| TOTAL       | 4.6                | 30.7 | 8.7  | 57.7 | 1.1   | 7.5 | .4    | 2.6 | .2    | 1.2 | .0    | .1 | .0  | .0 | 15.0  | 100                  | 6.5 |

MEI MERIDIAN, MS  
 CLASS 3 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 3 / DAY

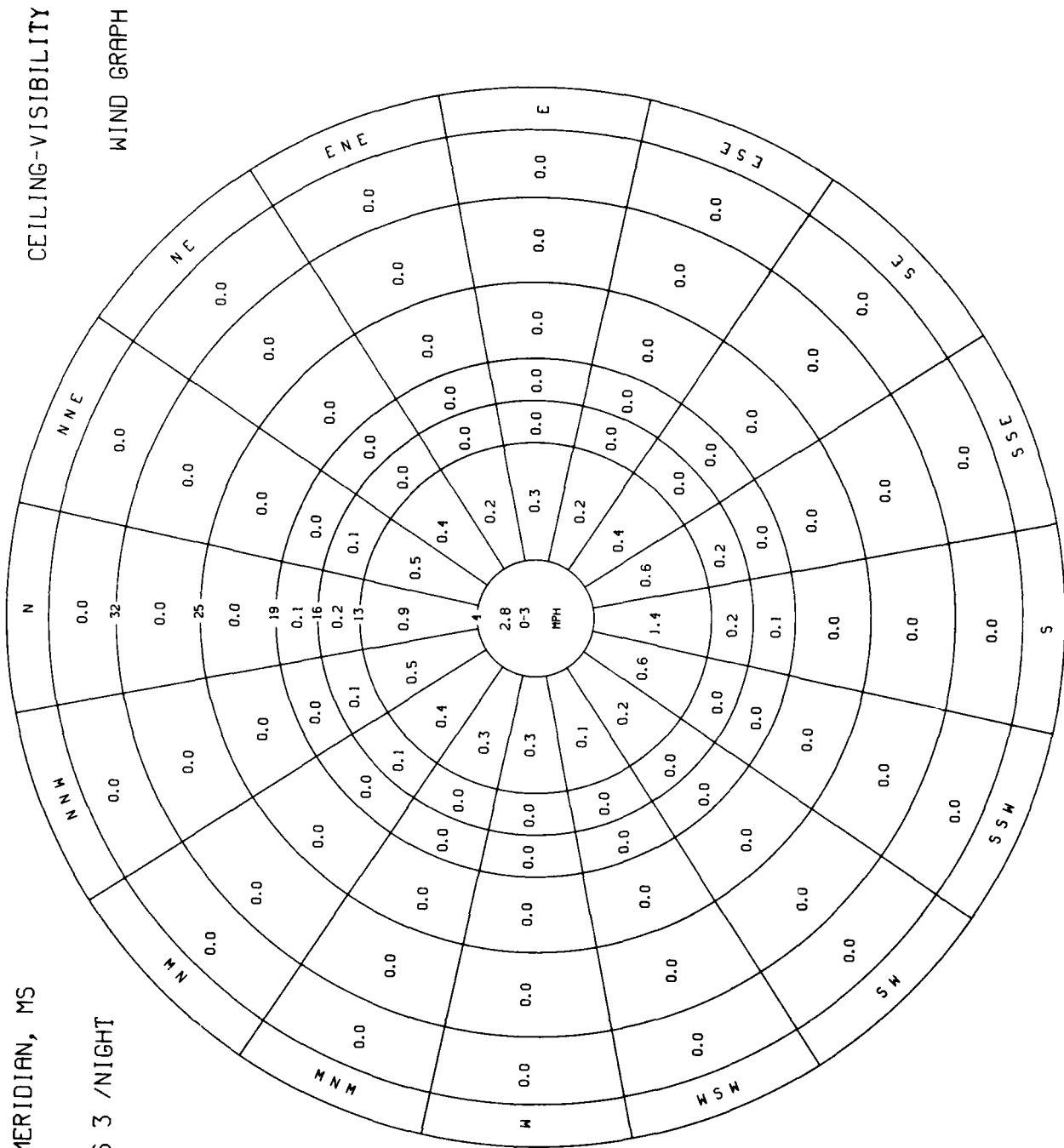
STATION NUMBER: 13865

NO. OBS.: 3961

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C    | D    |
| N           | .1                 | .5   | 1.0  | 8.7  | .2    | 1.4 | .1    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.3   | 11.2 | 9.4  |
| NNE         | .0                 | .3   | .5   | 4.9  | .1    | .5  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .7    | 6.0  | 8.6  |
| NNE         | .0                 | .3   | .5   | 4.3  | .0    | .4  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .6    | 5.0  | 8.1  |
| ENE         | .0                 | .4   | .3   | 3.0  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .4    | 3.5  | 7.2  |
| E           | .0                 | .4   | .5   | 4.1  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .6    | 5.0  | 8.0  |
| ESE         | .0                 | .4   | .3   | 2.4  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .3    | 3.1  | 7.9  |
| SE          | .0                 | .3   | .4   | 3.3  | .0    | .4  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .5    | 4.1  | 8.7  |
| SSE         | .1                 | .6   | .4   | 3.9  | .1    | .9  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .6    | 5.8  | 8.9  |
| S           | .1                 | 1.1  | 1.2  | 10.6 | .2    | 1.7 | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.6   | 14.0 | 8.8  |
| SSW         | .1                 | .8   | .5   | 4.0  | .0    | .4  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .6    | 5.5  | 7.8  |
| SW          | .1                 | .5   | .3   | 2.7  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .4    | 3.6  | 8.3  |
| WSW         | .0                 | .3   | .2   | 1.6  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .2    | 2.1  | 8.4  |
| W           | .0                 | .3   | .3   | 2.2  | .1    | .6  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .4    | 3.5  | 9.5  |
| WNW         | .0                 | .2   | .2   | 2.2  | .1    | .6  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .4    | 3.3  | 10.0 |
| NW          | .0                 | .2   | .3   | 3.0  | .1    | .7  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .5    | 4.4  | 9.7  |
| NNW         | .1                 | .6   | .5   | 4.3  | .1    | .9  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .7    | 6.3  | 9.2  |
| CALM        | 1.5                | 13.6 |      |      |       |     |       |     |       |     |       |    |     |    |                      | 1.5   | 13.6 |      |
| TOTAL       | 2.3                | 20.7 | 7.3  | 65.2 | 1.1   | 9.7 | .4    | 3.2 | .1    | 1.0 | .0    | .2 | .0  | .0 | .0                   | 11.2  | 100  | 7.6  |

MEI MERIDIAN, MS

CLASS 3 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 13865

NO. OBS.: 3415

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |       |                      |      |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    |       |                      |      |
| N           | .0                 | .3   | .9   | 8.0  | .2    | 1.4 | .1    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | 1.2   | 10.5                 | 9.7  |
| NNE         | .0                 | .4   | .5   | 4.4  | .1    | .9  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .7    | 5.9                  | 8.8  |
| NE          | .0                 | .3   | .4   | 3.7  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5    | 4.6                  | 8.0  |
| ENE         | .0                 | .1   | .2   | 2.0  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 2.5                  | 8.3  |
| E           | .1                 | .5   | .3   | 2.9  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.7                  | 7.6  |
| ESE         | .0                 | .2   | .2   | 1.9  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.2                  | 7.5  |
| SE          | .1                 | .5   | .4   | 3.2  | .0    | .2  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 4.0                  | 7.8  |
| SSE         | .1                 | .8   | .6   | 5.1  | .2    | 1.4 | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .9    | 7.8                  | 9.5  |
| S           | .2                 | 1.5  | 1.4  | 11.5 | .2    | 1.6 | .1    | .7  | .0    | .1  | .0    | .0 | .0  | .0 | 1.8   | 15.4                 | 8.7  |
| SSW         | .1                 | .8   | .6   | 4.8  | .0    | .2  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .7    | 6.1                  | 7.9  |
| SW          | .1                 | .5   | .2   | 1.9  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.6                  | 7.4  |
| WSW         | .0                 | .2   | .1   | .7   | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.0                  | 7.7  |
| W           | .1                 | .5   | .3   | 2.1  | .0    | .4  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.3                  | 8.6  |
| WNW         | .0                 | .3   | .3   | 2.3  | .0    | .4  | .0    | .2  | .0    | .1  | .0    | .1 | .0  | .0 | .4    | 3.3                  | 9.9  |
| NW          | .0                 | .4   | .4   | 3.4  | .1    | .8  | .0    | .2  | .0    | .3  | .0    | .0 | .0  | .0 | .6    | 5.0                  | 9.7  |
| NNW         | .1                 | .5   | .5   | 3.9  | .1    | 1.2 | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .7    | 6.1                  | 10.0 |
| CALM        | 1.9                | 16.1 |      |      |       |     |       |     |       |     |       |    |     |    | 1.9   | 16.1                 |      |
| TOTAL       | 2.8                | 23.8 | 7.3  | 61.9 | 1.1   | 9.4 | .4    | 3.3 | .2    | 1.5 | .0    | .1 | .0  | .0 | 11.9  | 100                  | 7.4  |

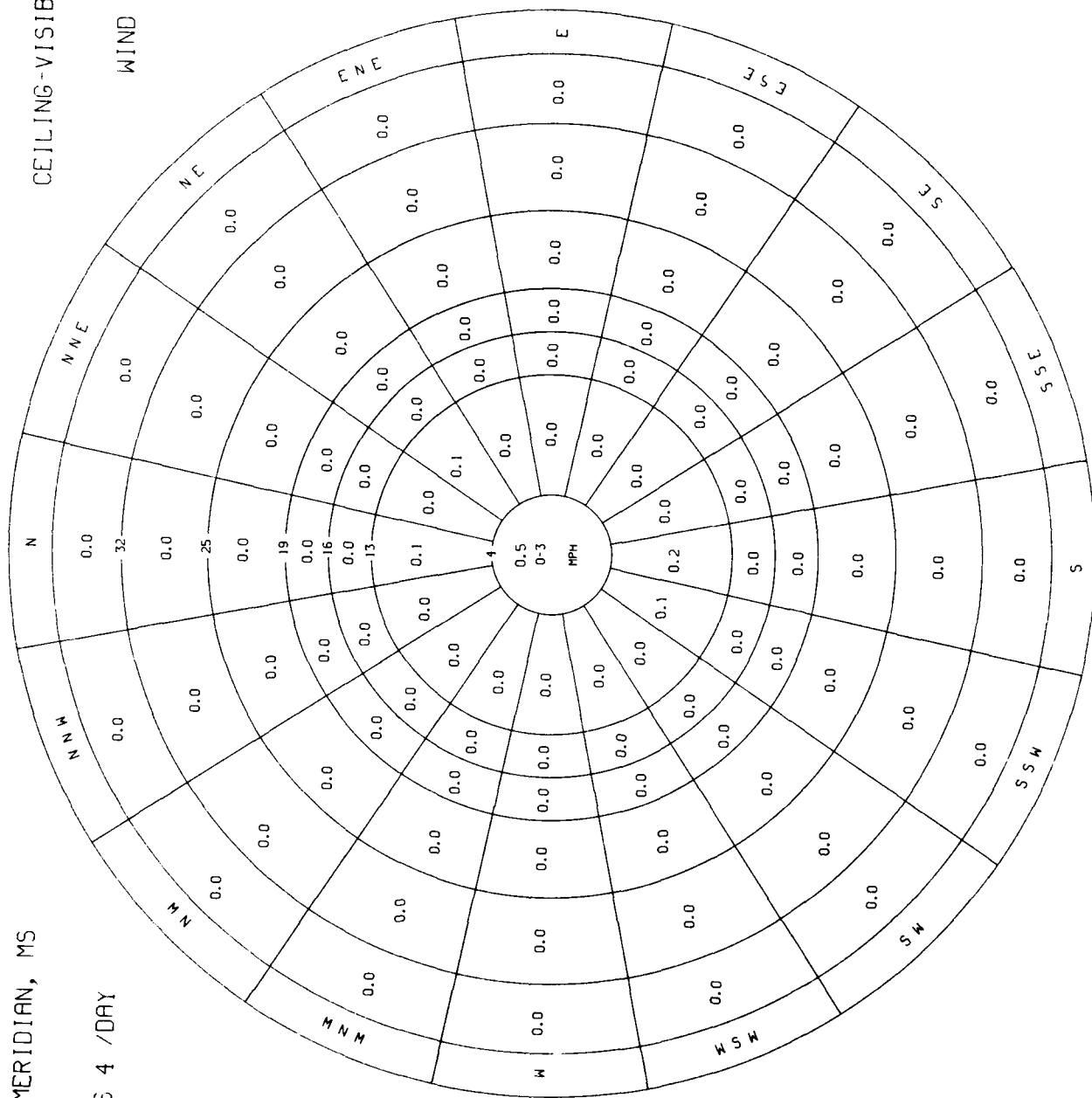


MEI MERIDIAN, MS

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 4 / DAY

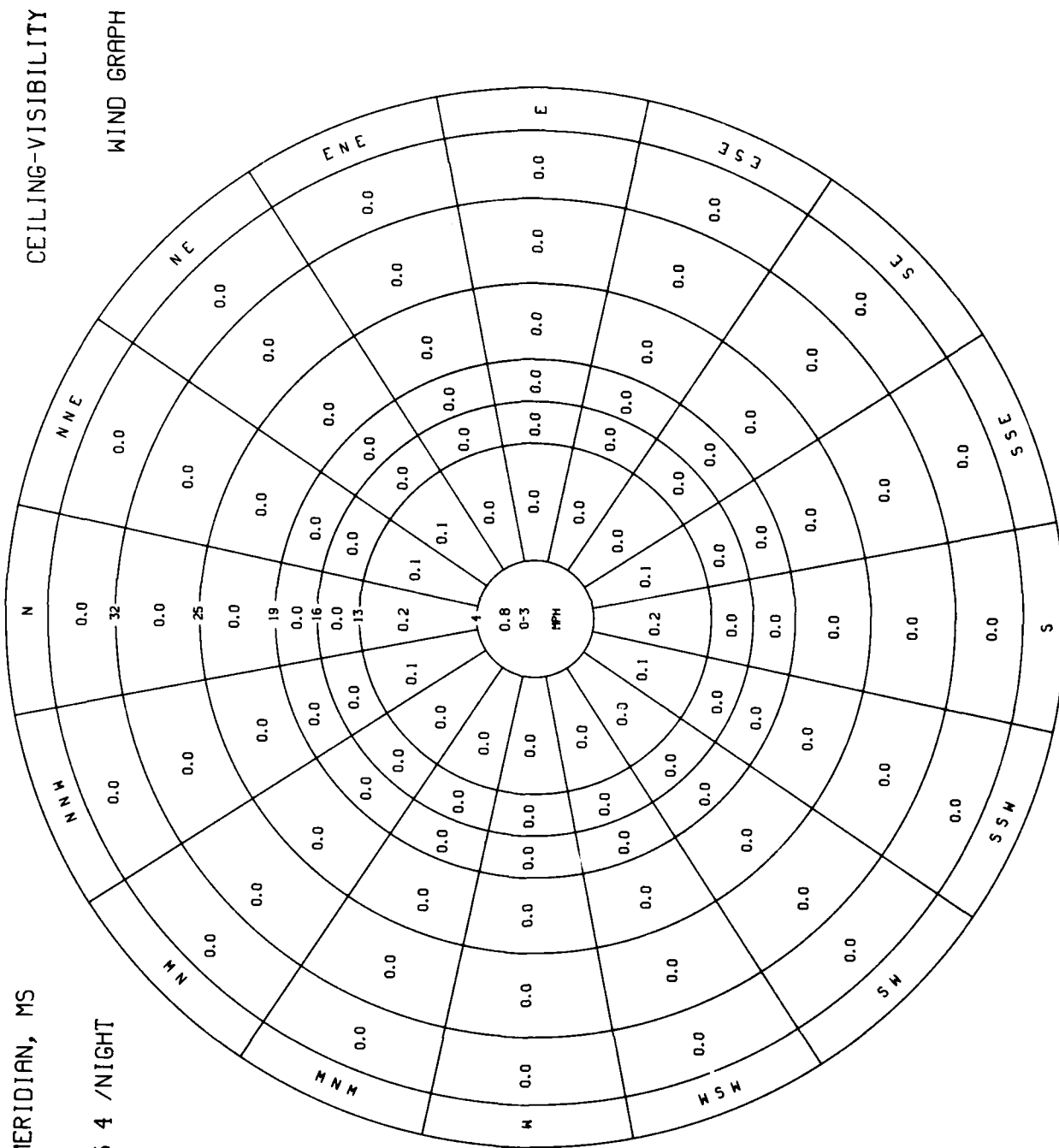
STATION NUMBER: 13865

NO. OBS.: 442

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | 1.6  | .1   | 5.7  | .0    | .9  | .0    | .0  | .0    | .2  | .0    | .0 | .0  | .0 | .1 8.4               |
| NNE         | .0                 | .2   | .0   | 3.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 3.6               |
| NE          | .0                 | .5   | .1   | 5.0  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 5.7               |
| ENE         | .0                 | .5   | .0   | 1.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 1.8               |
| E           | .0                 | .2   | .0   | 2.7  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.9               |
| ESE         | .0                 | .2   | .0   | .7   | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 1.1               |
| SE          | .0                 | .5   | .0   | 2.5  | .0    | .0  | .0    | .5  | .0    | .0  | .0    | .0 | .0  | .0 | .0 3.4               |
| SSE         | .0                 | 1.8  | .0   | 3.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 5.2               |
| S           | .0                 | 2.0  | .2   | 14.9 | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 17.2              |
| SSW         | .0                 | 2.0  | .1   | 7.5  | .0    | .5  | .0    | .0  | .0    | .2  | .0    | .0 | .0  | .0 | .1 10.2              |
| SW          | .0                 | .7   | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.9               |
| WSW         | .0                 | .5   | .0   | .7   | .0    | .0  | .0    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .0 1.8               |
| W           | .0                 | .7   | .0   | .7   | .0    | .2  | .0    | .0  | .0    | .5  | .0    | .2 | .0  | .0 | .0 2.3               |
| WNW         | .0                 | .0   | .0   | 1.4  | .0    | .5  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.0               |
| NW          | .0                 | .7   | .0   | 1.6  | .0    | .0  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.5               |
| NNW         | .0                 | .9   | .0   | 2.5  | .0    | .0  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0 3.6               |
| CALM        | .3                 | 25.3 |      |      |       |     |       |     |       |     |       |    |     |    | .3 25.3              |
| TOTAL       | .5                 | 38.2 | .7   | 56.1 | .0    | 2.7 | .0    | 1.6 | .0    | 1.1 | .0    | .2 | .0  | .0 | 1.2 100              |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 5.2                  |

MEI MERIDIAN, MS

CLASS 4 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 13865

NO. OBS.: 496

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.6  | .2   | 8.9  | .0    | .0 | .0    | .0 | .0    | .2 | .0    | .0 | .0  | .0 | .2 10.7              |
| NNE         | .0                 | .6   | .1   | 4.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.2               |
| NE          | .0                 | .6   | .1   | 4.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.6               |
| ENE         | .0                 | .0   | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .4                |
| E           | .0                 | 1.0  | .0   | 1.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.4               |
| ESE         | .0                 | .4   | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| SE          | .0                 | .6   | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.2               |
| SSE         | .0                 | .0   | .1   | 3.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.4               |
| S           | .0                 | 2.8  | .2   | 11.1 | .0    | .2 | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .2 14.3              |
| SSW         | .0                 | .8   | .1   | 6.7  | .0    | .4 | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .1 8.1               |
| SW          | .0                 | .2   | .0   | 2.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.6               |
| WSW         | .0                 | .8   | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.2               |
| W           | .0                 | .4   | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.4               |
| WNW         | .0                 | .2   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| NW          | .0                 | .6   | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.2               |
| NNW         | .0                 | .6   | .1   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.6               |
| CALM        | .6                 | 35.5 |      |      |       |    |       |    |       |    |       |    |     |    | .6 35.5              |
| TOTAL       | .8                 | 46.8 | .9   | 52.0 | .0    | .6 | .0    | .4 | .0    | .2 | .0    | .0 | .0  | .0 | 1.7 100              |

# ULTRAVISIBILITY

### MINI GRAPH



# CEILING VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1979

STATION NAME: MET. MARIKAN, MO

CLASS: 6-1041

NO. 12514 135

STATION NUMBER: 1949

|   |     | SPEED GROUPS (MPH) |      |       |       |       |       |     |       |   |   |   |   |      |           |
|---|-----|--------------------|------|-------|-------|-------|-------|-----|-------|---|---|---|---|------|-----------|
|   |     | 0-7                | 8-11 | 12-15 | 16-19 | 20-24 | 25-31 | 32+ | TOTAL |   |   |   |   |      |           |
| H | W   | A                  | B    | C     | D     | E     | F     | G   | R     |   |   |   |   | WIND | DIRECTION |
|   |     | A                  | B    | C     | D     | E     | F     | G   | H     | I | J | K | L |      |           |
| 0 | 0   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 1   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 2   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 3   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 4   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 5   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 6   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 7   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 8   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 9   |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 10  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 11  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 12  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 13  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 14  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 15  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 16  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 17  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 18  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 19  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 20  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 21  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 22  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 23  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 24  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 25  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 26  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 27  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 28  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 29  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 30  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 31  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 32  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 33  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 34  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 35  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 36  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 37  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 38  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 39  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 40  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 41  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 42  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 43  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 44  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 45  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 46  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 47  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 48  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 49  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 50  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 51  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 52  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 53  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 54  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 55  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 56  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 57  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 58  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 59  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 60  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 61  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 62  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 63  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 64  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 65  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 66  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 67  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 68  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 69  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 70  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 71  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 72  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 73  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 74  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 75  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 76  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 77  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 78  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 79  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 80  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 81  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 82  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 83  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 84  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 85  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 86  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 87  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 88  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 89  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 90  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 91  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 92  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 93  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 94  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 95  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 96  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 97  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 98  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 99  |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |
| 0 | 100 |                    |      |       |       |       |       |     |       |   |   |   |   |      |           |

**F/G 4/2**

NATIONAL CLIMATIC CENTER ASHEVILLE NC F/8 4/2  
WIND - CEILING - VISIBILITY DATA AT SELECTED AIRPORTS. VOLUME I--ETC(U)  
JUN 81 DOT-FA79WAI-057

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

JUN 81

DOT-FA79WAI-057

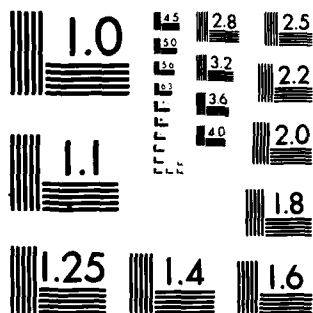
194

**UNCLASSIFIED**

225

5

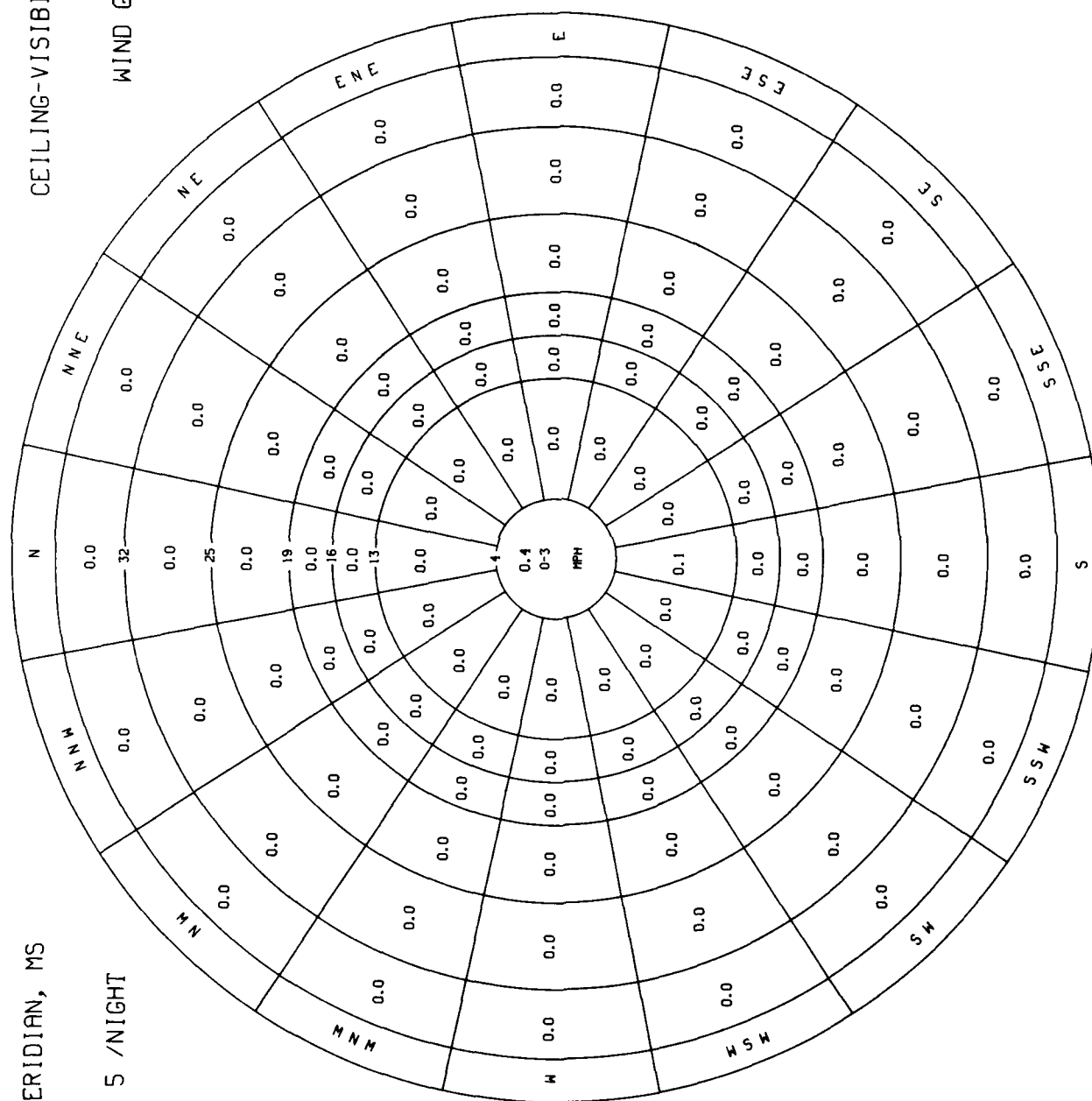
08/59





CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 13865

NO. OBS.: 198

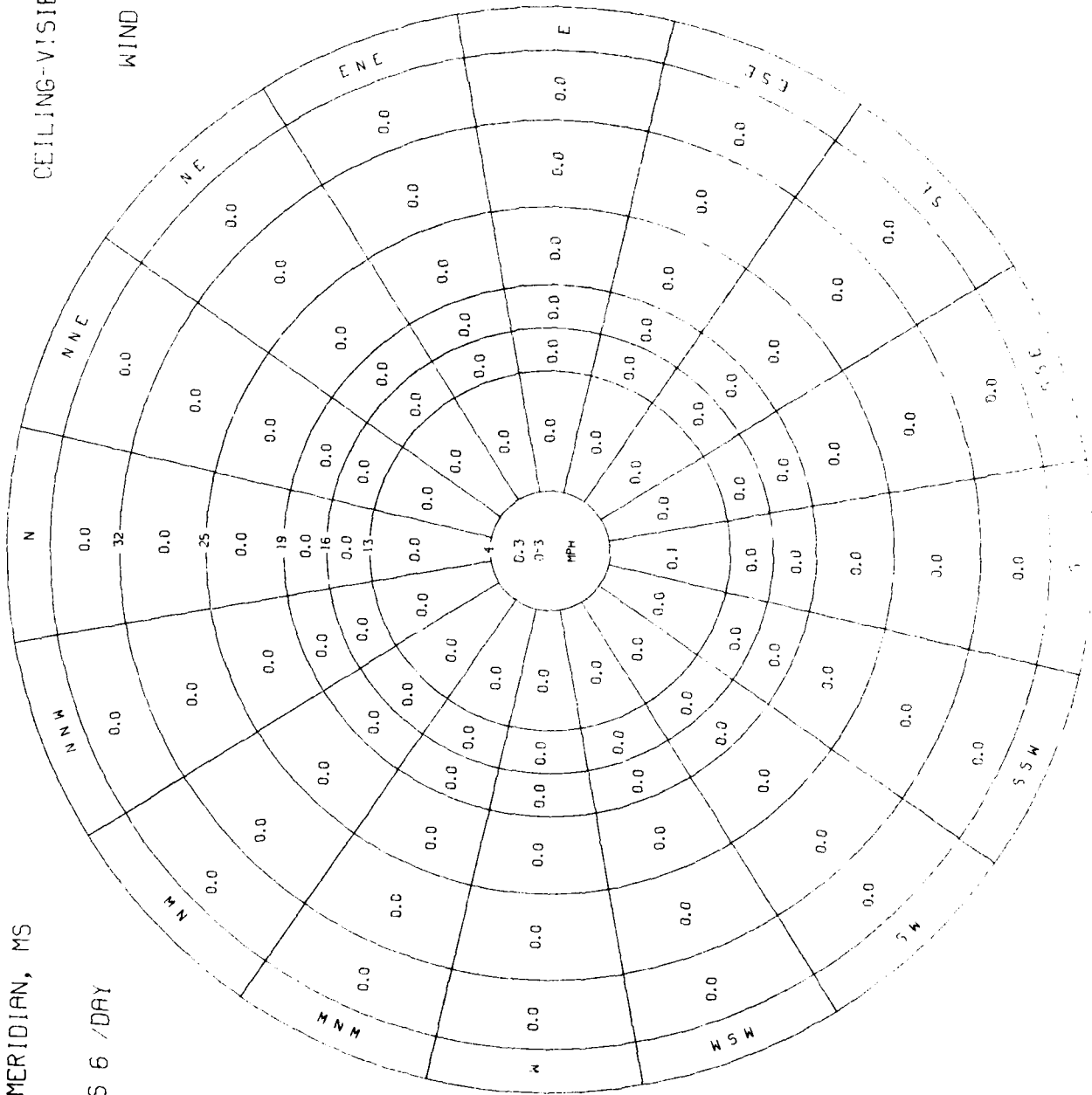
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .0                 | 1.5  | .0   | 5.6  | .0    | .0  | .0    | .0 | .0    | .5 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.6  | 6.3 |
| NNE         | .0                 | .5   | .0   | 3.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.0  | 5.5 |
| NE          | .0                 | 1.0  | .0   | 2.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.0  | 7.3 |
| ENE         | .0                 | .0   | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .5   | 6.0 |
| E           | .0                 | .5   | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  | 4.5 |
| ESE         | .0                 | .0   | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .5   | 6.0 |
| SE          | .0                 | .0   | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .5   | 6.0 |
| SSE         | .0                 | 1.0  | .0   | 2.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.0  | 5.2 |
| S           | .0                 | 1.5  | .1   | 11.6 | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 13.6 | 6.4 |
| SSW         | .0                 | 2.0  | .0   | 3.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 5.1  | 5.1 |
| SW          | .0                 | .5   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .5   | 3.0 |
| WSW         | .0                 | .5   | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  | 4.0 |
| W           | .0                 | .0   | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  | 5.5 |
| WNW         | .0                 | .0   | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  | 6.0 |
| NW          | .0                 | .5   | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.5  | 6.0 |
| NNW         | .0                 | 1.5  | .0   | 1.5  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.5  | 6.1 |
| CALM        | .4                 | 52.5 |      |      |       |     |       |    |       |    |       |    |     |    |                      | .4    | 52.5 |     |
| TOTAL       | .4                 | 63.6 | .2   | 34.8 | .0    | 1.0 | .0    | .0 | .0    | .5 | .0    | .0 | .0  | .0 | .0                   | .7    | 100  | 2.8 |

MEI MERIDIAN, MS

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 13865

NO. OBS.: 171

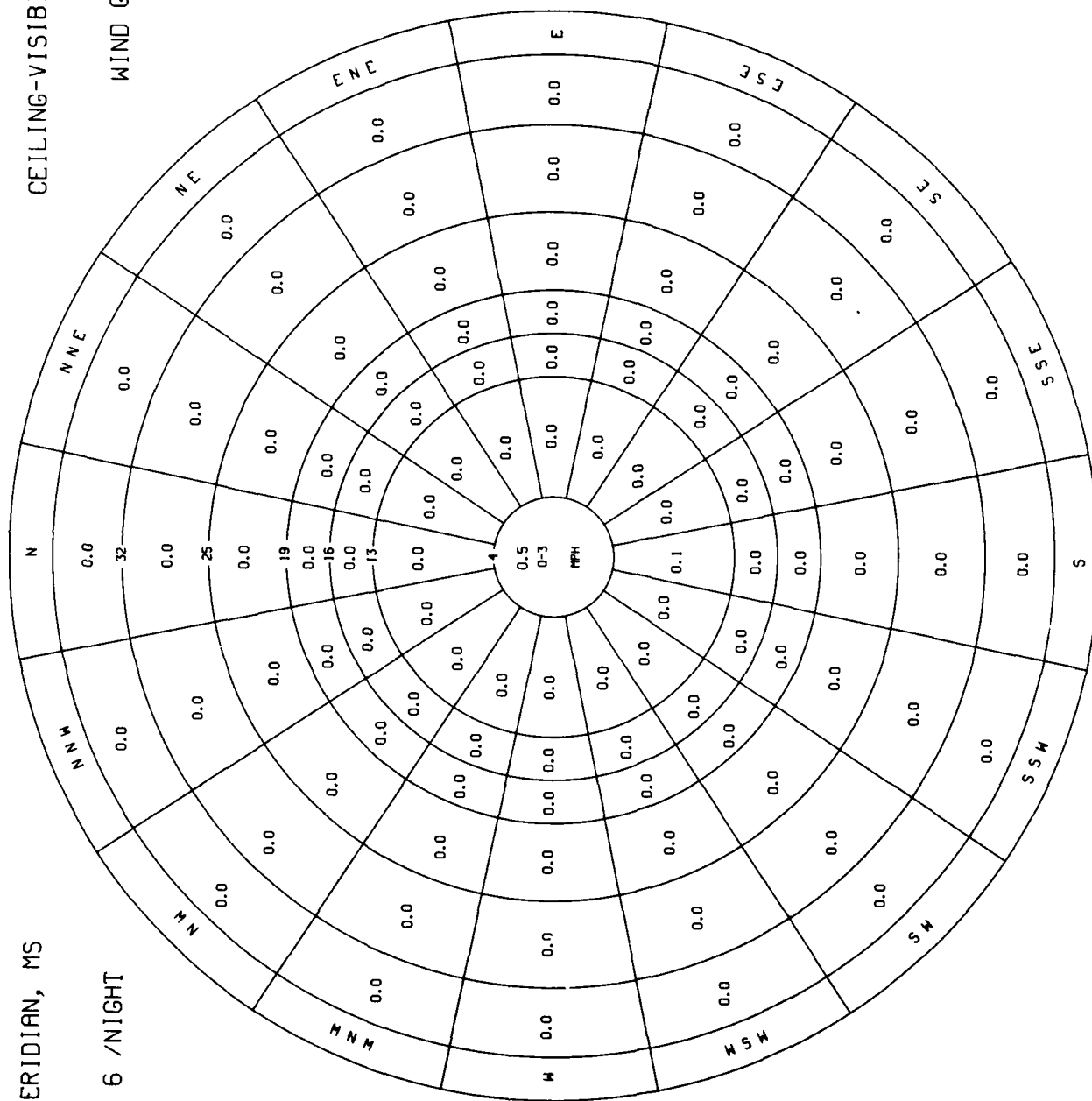
| DIR   | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|       | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|       | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N     | .0                 | .0   | .0   | 4.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.1                  |
| NNE   | .0                 | .6   | .0   | 2.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.9                  |
| NE    | .0                 | .0   | .0   | 2.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.3                  |
| ENE   | .0                 | .0   | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .6                   |
| E     | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| ESE   | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SE    | .0                 | .0   | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.2                  |
| SSE   | .0                 | .6   | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.2                  |
| S     | .0                 | 4.7  | .1   | 13.5 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 18.1                 |
| SSW   | .0                 | 2.3  | .0   | 1.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.1                  |
| SW    | .0                 | .6   | .0   | 1.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.3                  |
| WSW   | .0                 | .6   | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.2                  |
| W     | .0                 | .6   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .6                   |
| WNW   | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NW    | .0                 | .0   | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.2                  |
| NNW   | .0                 | .0   | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.2                  |
| CALM  | .3                 | 59.1 |      |      |       |    |       |    |       |    |       |    |     |    | 59.1                 |
| TOTAL | .3                 | 69.0 | .1   | 31.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5 100                |
|       |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 2.2                  |

MEI MERIDIAN, MS

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEI MERIDIAN, MS

PERIOD: 1949-1978

CLASS 6 / NIGHT

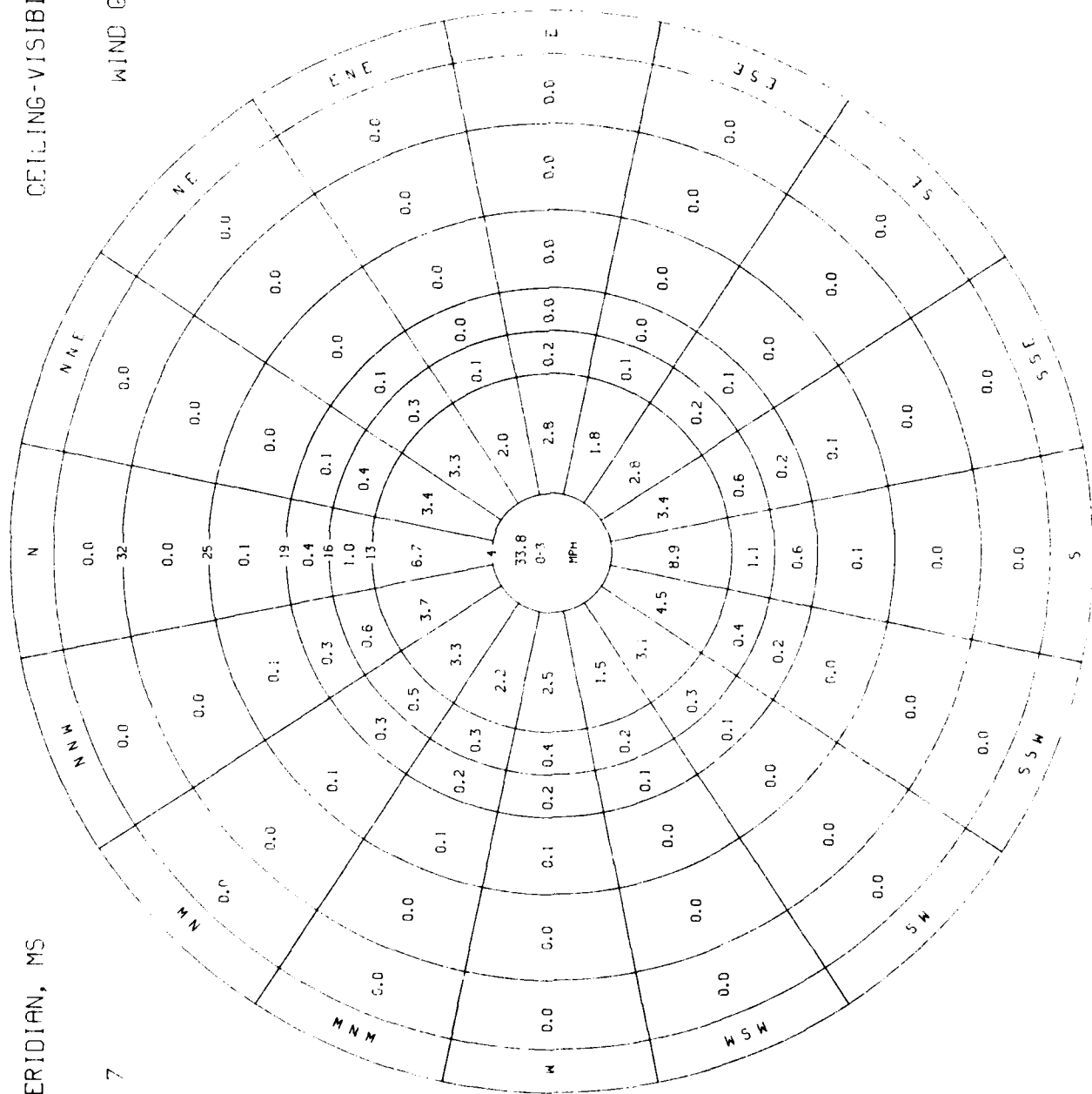
STATION NUMBER: 13865

NO. OBS.: 212

| D<br>I<br>R | SPEED GROUPS (MPH) |     |        |     |       |    |       |    |       |    |       |    |     |    |        |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|--------|-----|-------|----|-------|----|-------|----|-------|----|-----|----|--------|------|----------------------|
|             | 0-3                |     | 4-12   |     | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL  |      |                      |
|             | A                  | B   | A      | B   | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  | C      | D    |                      |
| N           | .0                 | .9  | .0     | 3.8 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 4.7  | 5.3                  |
| NNE         | .0                 | 1.9 | .0     | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 2.8  | 3.7                  |
| NE          | .0                 | .0  | .0     | 1.4 | .0    | .0 | .0    | .5 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 1.9  | 8.5                  |
| ENE         | .0                 | .0  | .0     | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | .0   | .0                   |
| E           | .0                 | .5  | .0     | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | .5   | 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                 | .0  | .0     | 1.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 1.4  | 5.7                  |
| S           | .0                 | 5.7 | .1     | 8.5 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1     | 14.2 | 5.1                  |
| SSW         | .0                 | .5  | .0     | 2.8 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 3.3  | 6.7                  |
| SW          | .0                 | .9  | .0     | 1.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 2.4  | 4.4                  |
| WSW         | .0                 | .0  | .0     | 1.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 1.4  | 5.3                  |
| 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                 | .9  | .0     | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 1.9  | 4.7                  |
| NNW         | .0                 | 1.9 | .0     | 2.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0     | 4.2  | 4.2                  |
| CALM        | 5.61.3             |     |        |     |       |    |       |    |       |    |       |    |     |    | 5.61.3 |      |                      |
| TOTAL       | 5.74.5             |     | 2.25.0 |     | .0    | .0 | .0    | .5 | .0    | .0 | .0    | .0 | .0  | .0 | .7     | 100  | 2.0                  |

CEILING-VISIBILITY

WIND GRAPH

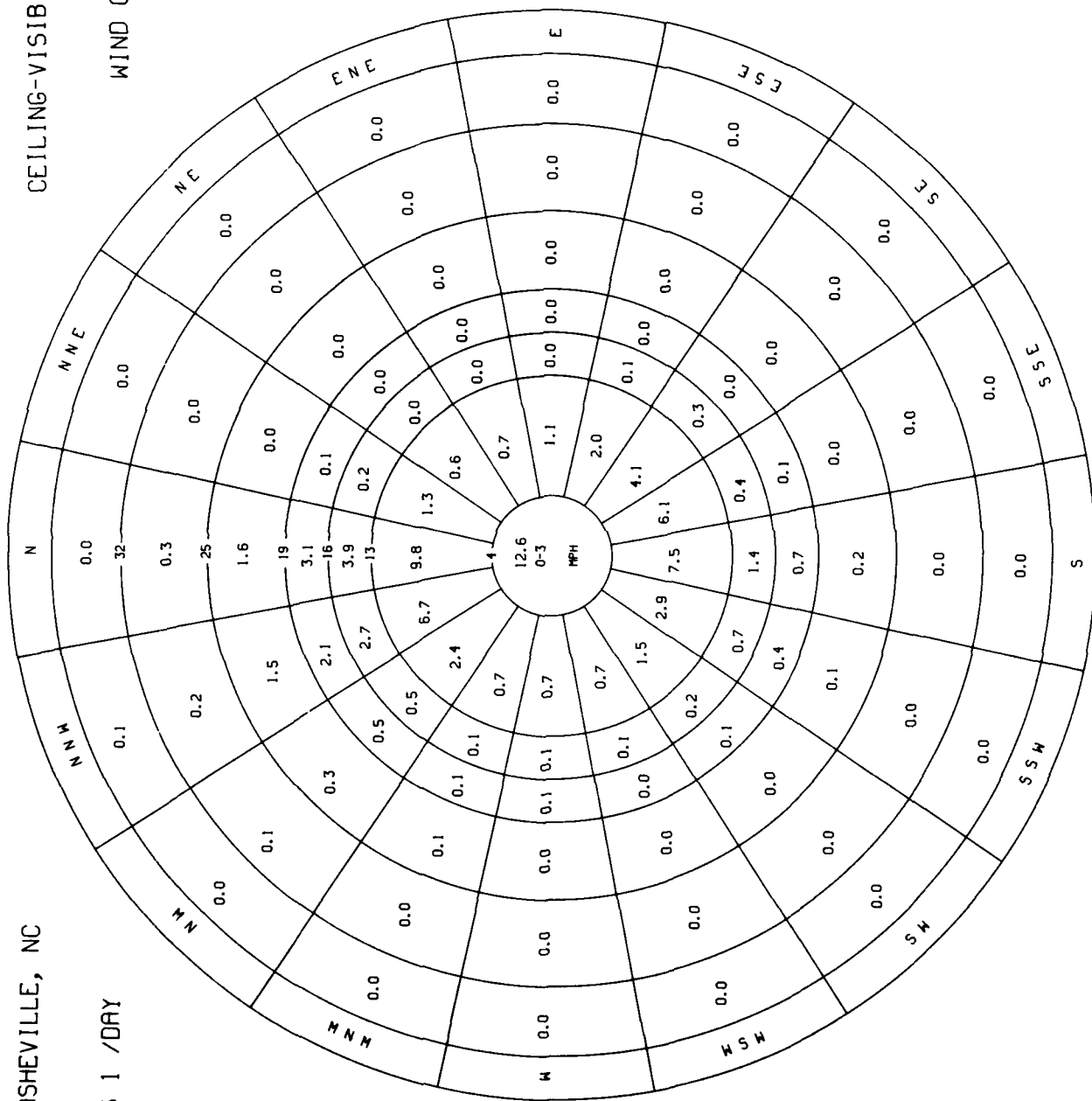


CEILING-VISIBILITY

WIND GRAPH

AVL ASHEVILLE, NC

CLASS 1 /DAY





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 1 / DAY

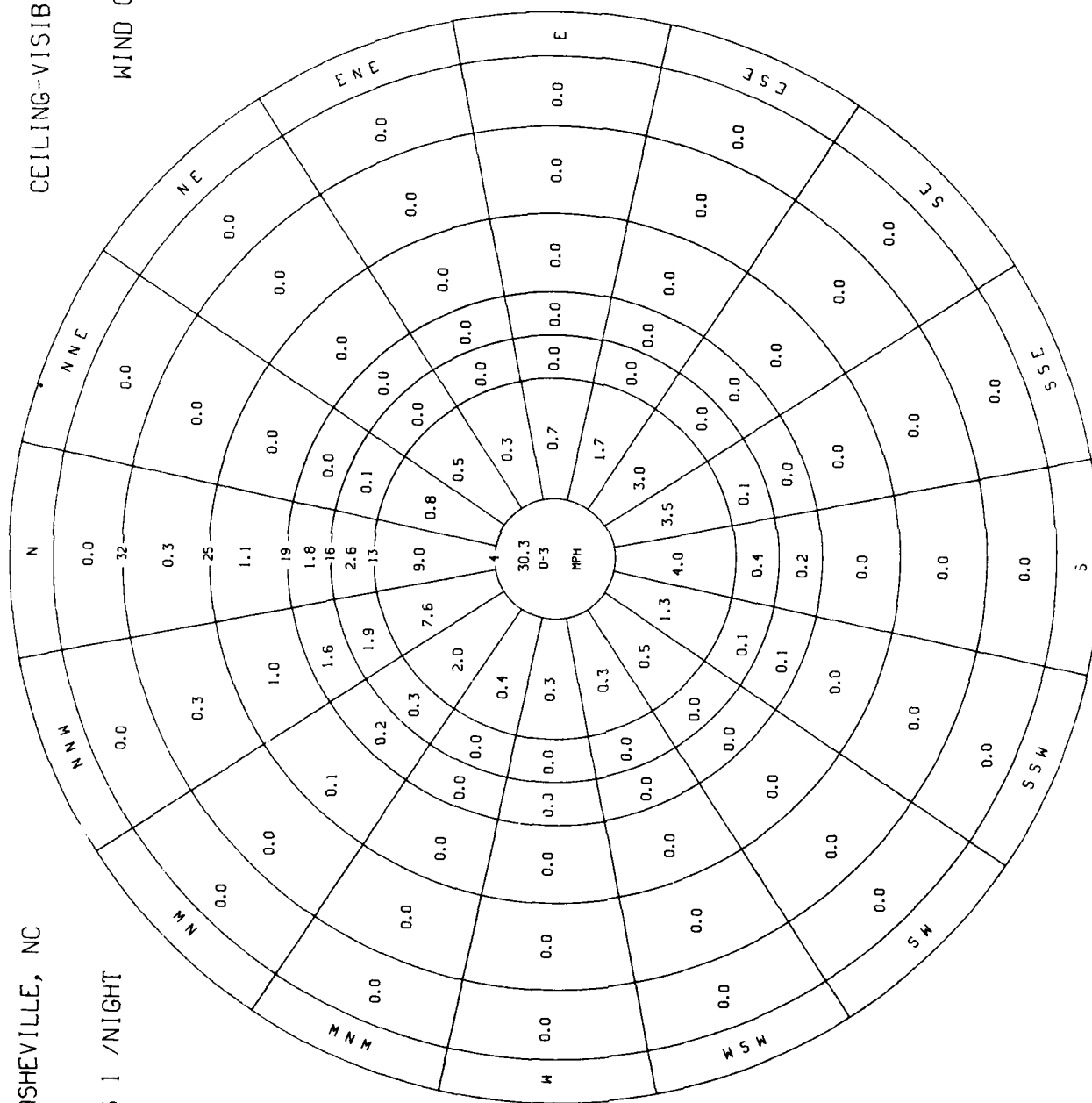
STATION NUMBER: 03812

NO. OBS.: 19011

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  | C     | D    |                      |
| N           | .8                 | 1.0  | 9.8  | 11.7 | 3.9   | 4.7  | 3.1   | 3.7 | 1.6   | 1.9 | .3    | .4 | .0  | .0 | 19.6  | 23.3 | 12.2                 |
| NNE         | .3                 | .4   | 1.3  | 1.6  | .2    | .2   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 1.9   | 2.3  | 7.9                  |
| NE          | .3                 | .4   | .6   | .8   | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.0   | 1.2  | 5.9                  |
| ENE         | .2                 | .3   | .7   | .8   | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .9    | 1.1  | 5.8                  |
| E           | .4                 | .4   | 1.1  | 1.4  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.5   | 1.8  | 6.2                  |
| ESE         | .6                 | .8   | 2.0  | 2.4  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.8   | 3.3  | 6.7                  |
| SE          | .9                 | 1.0  | 4.1  | 4.9  | .3    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 5.3   | 6.3  | 7.1                  |
| SSE         | 1.2                | 1.4  | 6.1  | 7.3  | .4    | .5   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 7.9   | 9.3  | 7.2                  |
| S           | 1.2                | 1.4  | 7.5  | 9.0  | 1.4   | 1.6  | .7    | .9  | .2    | .3  | .0    | .0 | .0  | .0 | 11.1  | 13.2 | 9.0                  |
| SSW         | .7                 | .9   | 2.9  | 3.4  | .7    | .8   | .4    | .5  | .1    | .2  | .0    | .0 | .0  | .0 | 4.8   | 5.7  | 9.1                  |
| SW          | .6                 | .7   | 1.5  | 1.8  | .2    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.4   | 2.9  | 7.3                  |
| WSW         | .4                 | .5   | .7   | .9   | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.3   | 1.5  | 5.9                  |
| W           | .4                 | .5   | .7   | .9   | .1    | .1   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 1.4   | 1.6  | 6.8                  |
| WNW         | .3                 | .3   | .7   | .8   | .1    | .2   | .1    | .1  | .1    | .1  | .0    | .0 | .0  | .0 | 1.3   | 1.5  | 8.4                  |
| NW          | .6                 | .7   | 2.4  | 2.9  | .5    | .6   | .5    | .5  | .3    | .3  | .1    | .1 | .0  | .0 | 4.3   | 5.1  | 9.8                  |
| NNW         | .6                 | .7   | 6.7  | 7.9  | 2.7   | 3.2  | 2.1   | 2.5 | 1.5   | 1.7 | .2    | .3 | .1  | .1 | 13.7  | 16.3 | 12.3                 |
| CALM        | 3.0                | 3.6  |      |      |       |      |       |     |       |     |       |    |     |    | 3.0   | 3.6  |                      |
| TOTAL       | 12.6               | 14.9 | 49.0 | 58.2 | 10.7  | 12.7 | 7.4   | 8.7 | 3.8   | 4.6 | .6    | .7 | .1  | .1 | 84.2  | 100  | 9.4                  |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 1 / NIGHT

STATION NUMBER: 03812

NO. OBS.: 14446

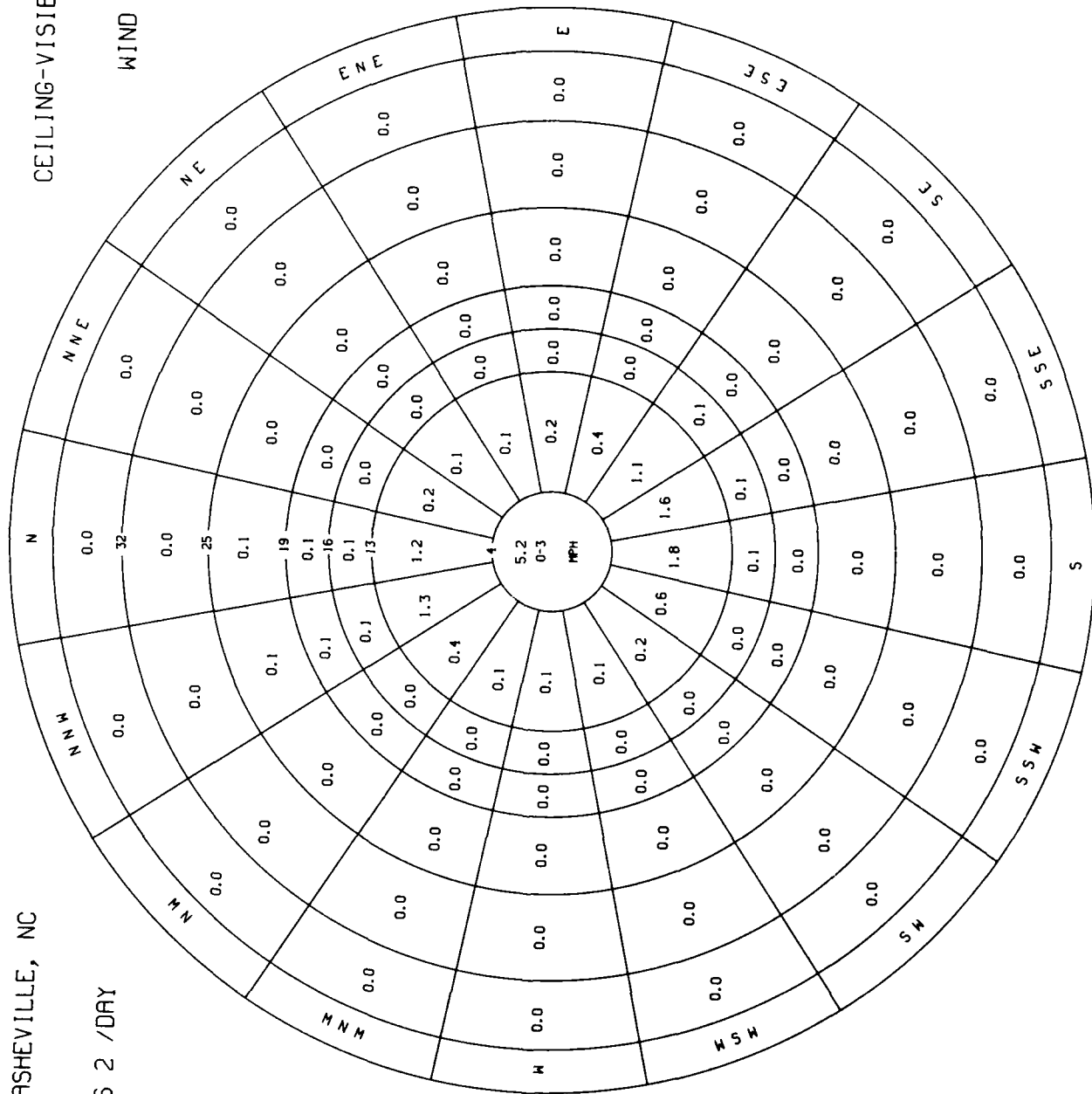
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | 1.7                | 2.1  | 9.0  | 11.4 | 2.6   | 3.3 | 1.8   | 2.2 | 1.1   | 1.4 | .3    | .4 | .0  | .0 | 16.4 20.8            |
| NNE         | .4                 | .6   | .8   | 1.0  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.3 1.7              |
| NE          | .5                 | .6   | .5   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.0 1.2              |
| ENE         | .4                 | .5   | .3   | .4   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .7 .9                |
| E           | .7                 | .9   | .7   | .9   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.4 1.8              |
| ESE         | 1.7                | 2.2  | 1.7  | 2.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.4 4.4              |
| SE          | 2.2                | 2.7  | 3.0  | 3.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 5.2 6.6              |
| SSE         | 2.3                | 3.0  | 3.5  | 4.4  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 6.0 7.6              |
| S           | 2.3                | 2.9  | 4.0  | 5.1  | .4    | .6  | .2    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | 7.0 8.9              |
| SSW         | .9                 | 1.1  | 1.3  | 1.6  | .1    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.4 3.0              |
| SW          | .7                 | .9   | .5   | .6   | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.2 1.6              |
| WSW         | .5                 | .6   | .3   | .3   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .7 .9                |
| W           | .5                 | .7   | .3   | .4   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .9 1.1               |
| WNW         | .5                 | .6   | .4   | .5   | .0    | .0  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 1.0 1.3              |
| NW          | 1.0                | 1.3  | 2.0  | 2.5  | .3    | .4  | .2    | .3  | .1    | .1  | .0    | .1 | .0  | .0 | 3.6 4.6              |
| NNW         | 1.9                | 2.4  | 7.6  | 9.7  | 1.9   | 2.4 | 1.6   | 2.0 | 1.0   | 1.3 | .3    | .4 | .0  | .1 | 14.4 18.3            |
| CALM        | 12.1               | 15.4 |      |      |       |     |       |     |       |     |       |    |     |    | 12.1 15.4            |
| TOTAL       | 30.3               | 38.4 | 35.9 | 45.5 | 5.6   | 7.1 | 3.9   | 5.0 | 2.3   | 3.0 | .7    | .9 | .1  | .1 | 78.8 100             |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 6.7                  |

AVL ASHEVILLE, NC

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 2 / DAY

STATION NUMBER: 03812

NO. OBS.: 3569

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D   |
| N           | .3                 | 2.2  | 1.2  | 7.8  | .1    | .7  | .1    | .6  | .1    | .6  | .0    | .2 | .0  | .1 | 1.9   | 12.2                 | 8.4 |
| NNE         | .1                 | .6   | .2   | 1.0  | .0    | .0  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 1.7                  | 5.7 |
| NE          | .1                 | .5   | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 1.1                  | 4.8 |
| ENE         | .1                 | .4   | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 1.0                  | 4.8 |
| E           | .1                 | .7   | .2   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 1.8                  | 5.4 |
| ESE         | .2                 | 1.0  | .4   | 2.8  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .6    | 4.0                  | 6.3 |
| SE          | .4                 | 2.3  | 1.1  | 6.8  | .1    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 1.5   | 9.5                  | 6.5 |
| SSE         | .4                 | 2.4  | 1.6  | 9.9  | .1    | .5  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | 2.1   | 13.0                 | 6.8 |
| S           | .5                 | 3.0  | 1.8  | 11.3 | .1    | .9  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | 2.5   | 15.6                 | 7.3 |
| SSW         | .2                 | 1.6  | .6   | 3.7  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .9    | 5.6                  | 6.4 |
| SW          | .2                 | 1.4  | .2   | 1.4  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 2.8                  | 4.8 |
| WSW         | .1                 | .9   | .1   | .7   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 1.6                  | 4.3 |
| W           | .1                 | .9   | .1   | .7   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 1.6                  | 4.3 |
| WNW         | .1                 | .9   | .1   | .7   | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 1.7                  | 4.3 |
| NW          | .3                 | 1.8  | .4   | 2.3  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .7    | 4.3                  | 5.4 |
| NNW         | .4                 | 2.3  | 1.3  | 8.4  | .1    | .6  | .1    | .5  | .1    | .4  | .0    | .2 | .0  | .0 | 2.0   | 12.4                 | 7.8 |
| CALM        | 1.6                | 10.1 |      |      |       |     |       |     |       |     |       |    |     |    | 1.6   | 10.1                 |     |
| TOTAL       | 5.2                | 33.1 | 9.5  | 59.8 | .6    | 3.7 | .3    | 1.7 | .2    | 1.2 | .1    | .4 | .0  | .1 | 15.8  | 100                  | 6.1 |

# CELLING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

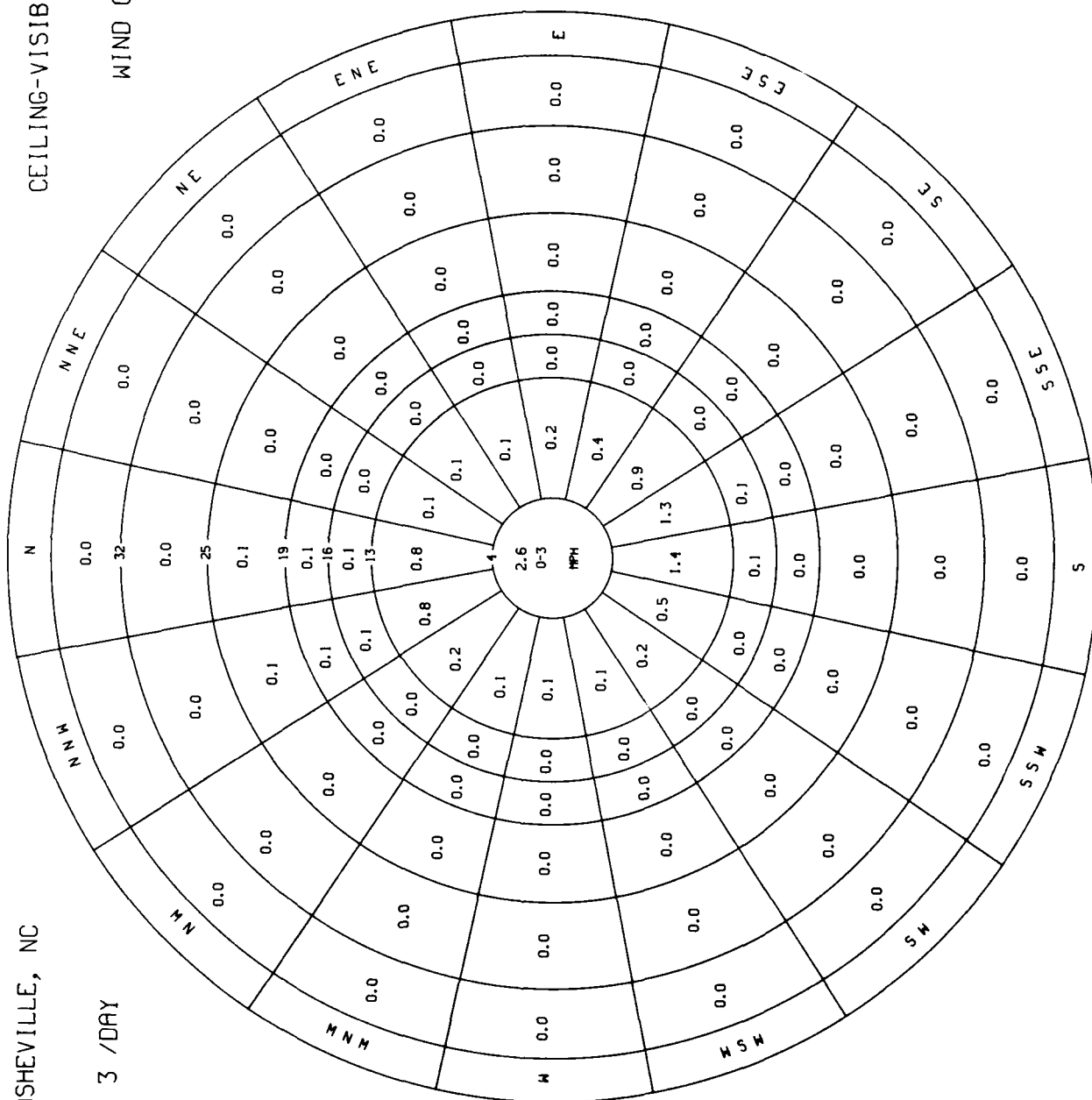
CLASS 2 / NIGHT

STATION NUMBER: 039.2

NO. OBS.: 3878

| C<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |       |
| N           | .5                 | 2.3  | 1.3  | 6.3  | .3    | 1.3 | .1    | .6  | .1    | .5  | .0    | .1 | .0  | .0 | 2.4 11.2             | 5.6   |
| NNE         | .2                 | .1   | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 1.7               | 4.3   |
| NNE         | .1                 | .3   | .1   | .3   | .0    | .0  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .1 .7                | 5.6   |
| ENE         | .1                 | .5   | .1   | .3   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 .9                | 3.8   |
| E           | .3                 | 1.2  | .2   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .5 2.4               | 4.4   |
| ESE         | .4                 | 1.7  | .4   | 2.0  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .8 3.7               | 5.9   |
| ESE         | .6                 | 2.9  | 1.0  | 4.8  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 1.7 7.9              | 5.6   |
| SSE         | .2                 | 4.4  | 1.6  | 7.6  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.6 12.2             | 5.5   |
| S           | .7                 | 3.4  | 2.1  | 9.9  | .2    | 1.0 | .1    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | 3.1 14.5             | 6.0   |
| SSW         | .4                 | 2.1  | .7   | 3.1  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | 1.1 5.4              | 5.6   |
| SW          | .3                 | 1.4  | .3   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .6 2.8               | 4.8   |
| WSW         | .2                 | 1.1  | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 1.7               | 4.0   |
| W           | .1                 | .3   | .1   | .4   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3 1.7               | 3.5   |
| WNW         | .1                 | .7   | .1   | .4   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.1               | 3.9   |
| NNW         | .5                 | 2.2  | .4   | 2.1  | .0    | .1  | .0    | .0  | .0    | .1  | .0    | .1 | .0  | .0 | 1.0 4.6              | 4.9   |
| CALM        | .6                 | 2.7  | .4   | 6.5  | .1    | .7  | .2    | .7  | .1    | .5  | .0    | .0 | .0  | .1 | 2.4 11.2             | 7.7   |
| TOTAL       | 9.7                | 45.9 | 10.0 | 47.2 | .7    | 3.4 | .4    | 1.9 | .3    | 1.2 | .1    | .3 | .0  | .1 | 21.2 100             | 5.2   |

AVL ASHEVILLE, NC  
 CLASS 3 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 3 / DAY

STATION NUMBER: 03812

NO. OBS.: 2416

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .2                 | 1.6  | .8   | 7.5  | .1    | 1.0 | .1    | .9  | .1    | .7  | .0    | .2 | .0  | .0 | 1.3 12.0             |
| NNE         | .1                 | .6   | .1   | 1.2  | .0    | .0  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.9               |
| NE          | .0                 | .5   | .1   | .7   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 1.2               |
| ENE         | .0                 | .5   | .1   | .8   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 1.2               |
| E           | .1                 | .5   | .2   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 1.2               |
| ESE         | .1                 | .8   | .4   | 3.6  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 2.1               |
| SE          | .2                 | 2.1  | .9   | 8.9  | .0    | .5  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5 4.6               |
| SSE         | .2                 | 2.0  | 1.3  | 11.9 | .1    | .6  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | 1.2 11.5             |
| S           | .2                 | 2.3  | 1.4  | 12.6 | .1    | 1.1 | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | 1.6 14.8             |
| SSW         | .1                 | 1.3  | .5   | 4.2  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 1.8 16.5             |
| SW          | .1                 | 1.2  | .2   | 1.5  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .7 6.1               |
| WSW         | .1                 | .8   | .1   | .8   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3 2.8               |
| W           | .1                 | .9   | .1   | .9   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.6               |
| WNW         | .1                 | .8   | .1   | .5   | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.7               |
| NW          | .1                 | 1.2  | .2   | 1.6  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .1 1.4               |
| NNW         | .1                 | 1.2  | .8   | 7.5  | .1    | .8  | .1    | .7  | .1    | .5  | .0    | .2 | .0  | .0 | .3 3.1               |
| CALM        | .7                 | 6.4  |      |      |       |     |       |     |       |     |       |    |     |    | 1.2 10.9             |
| TOTAL       | 2.6                | 24.7 | 7.0  | 65.8 | .5    | 4.8 | .3    | 2.4 | .2    | 1.7 | .1    | .5 | .0  | .1 | 10.7 100             |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | .7 6.4               |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 6.9                  |



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 3 / NIGHT

STATION NUMBER: 03812

NO. OBS.: 2467

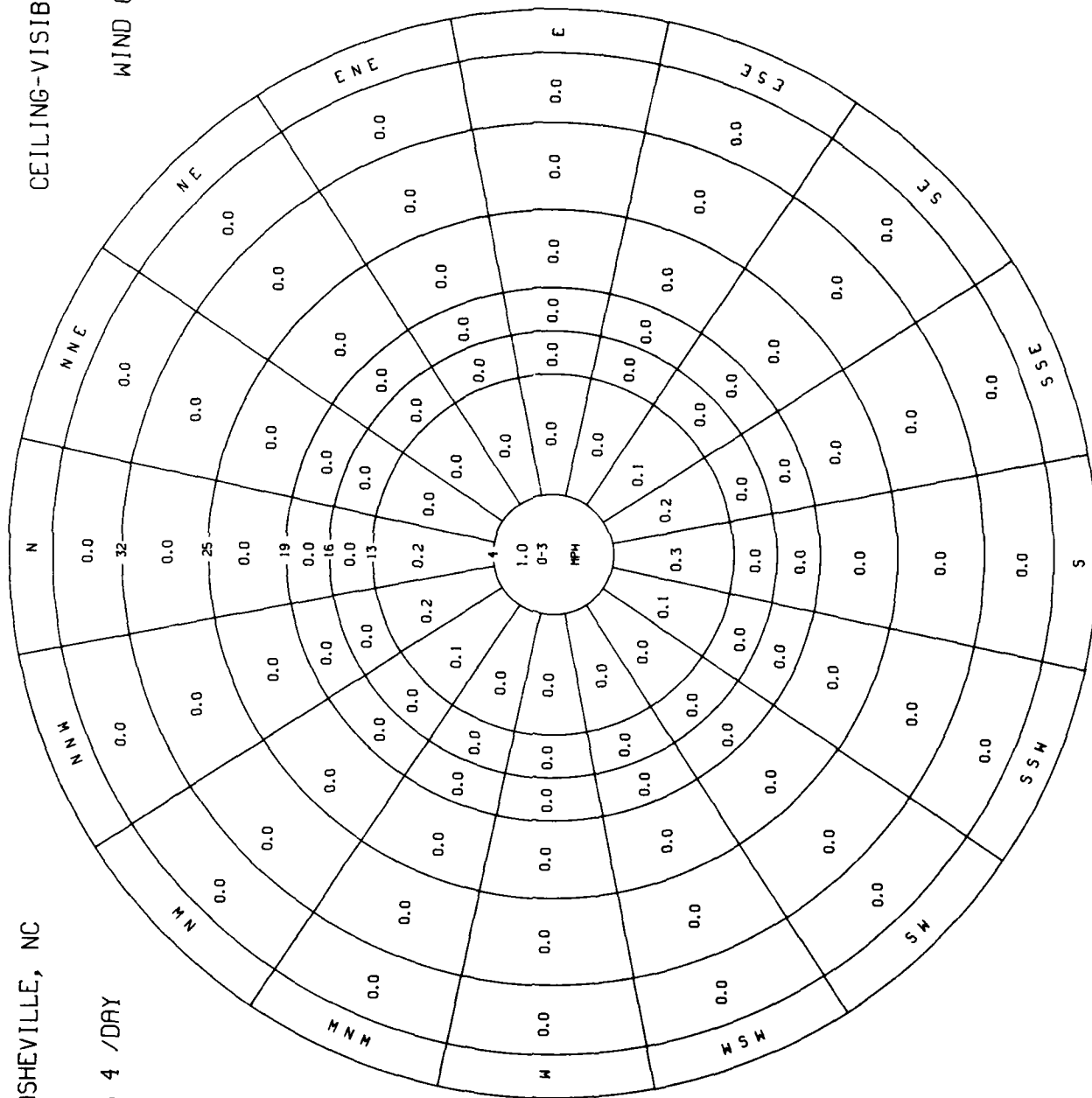
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .3                 | 2.3  | .8   | 6.3  | .2    | 1.8 | .1    | 1.0 | .1    | .8  | .0    | .2 | .0  | .0 | 1.7 12.4             |
| NNE         | .1                 | 1.0  | .1   | .8   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.8               |
| NNE         | .3                 | .3   | .1   | .4   | .0    | .0  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .1 .6                |
| ENE         | .1                 | .4   | .0   | .4   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 .6                |
| E           | .1                 | .9   | .2   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 .8                |
| ESE         | .2                 | 1.5  | .3   | 2.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3 2.0               |
| SE          | .4                 | 2.9  | .8   | 6.1  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6 4.1               |
| SSE         | .5                 | 3.7  | 1.2  | 9.0  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.2 9.2              |
| S           | .1                 | 2.9  | 1.5  | 10.9 | .2    | 1.2 | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | 1.7 13.0             |
| SSW         | .2                 | 1.7  | .5   | 3.4  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.1 15.5             |
| SW          | .2                 | 1.5  | .2   | 1.7  | .0    | .0  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .7 5.4               |
| WSW         | .1                 | 1.0  | .1   | .5   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.3               |
| W           | .1                 | 1.0  | .1   | .4   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.5               |
| WNW         | .1                 | .7   | .0   | .4   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.4               |
| NW          | .3                 | 1.9  | .2   | 1.5  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 1.1               |
| NNW         | .3                 | 2.1  | .8   | 5.9  | .1    | .9  | .1    | 1.1 | .1    | .6  | .0    | .0 | .0  | .0 | .5 3.7               |
| CALM        | 1.8                | 13.3 |      |      |       |     |       |     |       |     |       |    |     |    | 1.4 10.7             |
| TOTAL       | 5.3                | 39.1 | 6.9  | 51.3 | .6    | 4.7 | .4    | 2.8 | .2    | 1.7 | .0    | .4 | .0  | .0 | 13.5 100             |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 5.9                  |

AVL ASHEVILLE, NC

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 4 / DAY

STATION NUMBER: 03812

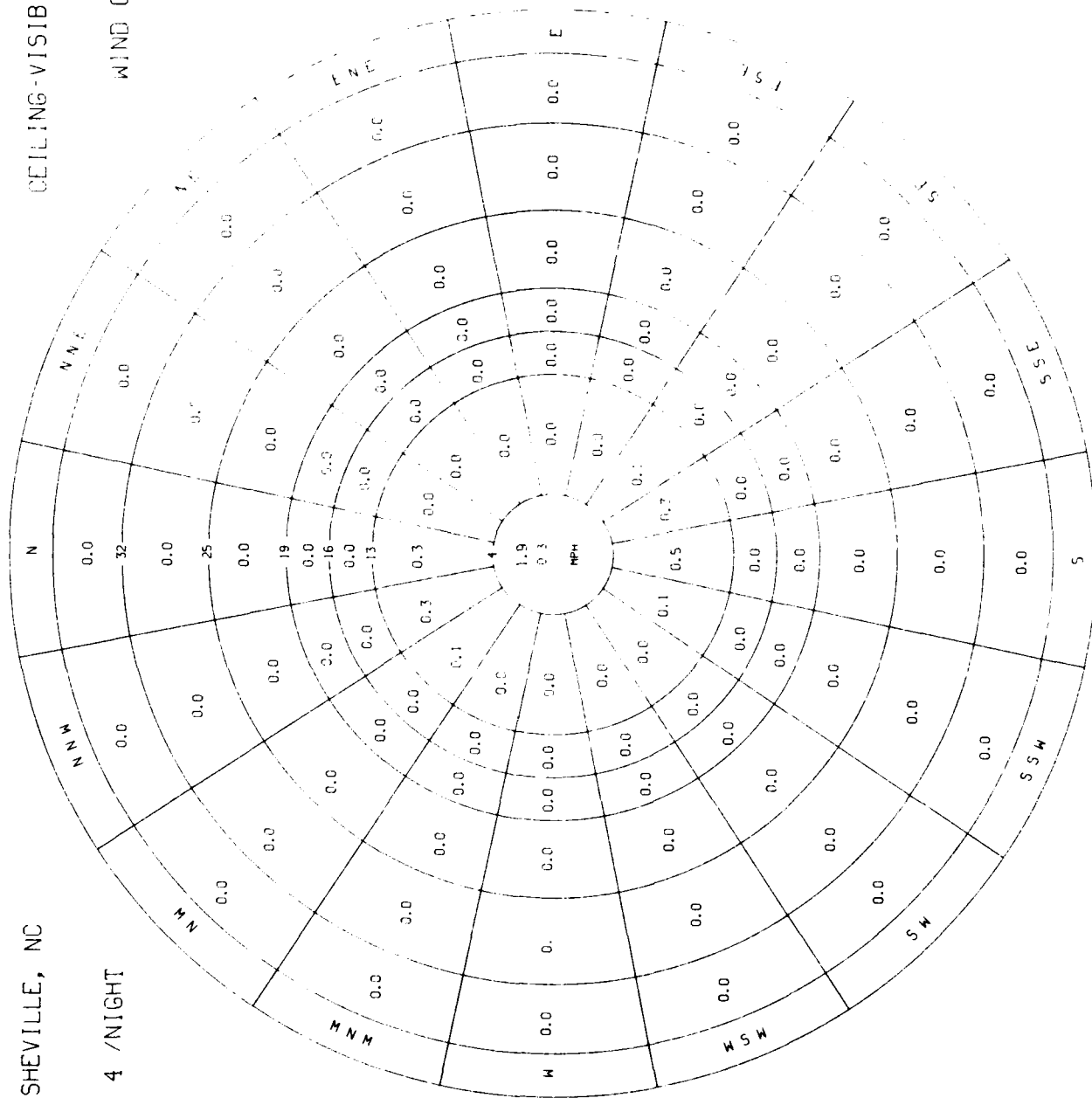
NO. OBS.: 542

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .1                 | 3.0  | .2   | 9.6  | .0    | .4  | .0    | .0 | .0    | .4 | .0    | .0 | .0  | .2 | .3 13.5              |
| NNE         | .0                 | .4   | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.5               |
| NE          | .0                 | .7   | .0   | .4   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.1               |
| ENE         | .0                 | .4   | .0   | .2   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .6                |
| E           | .0                 | .9   | .0   | .4   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.3               |
| ESE         | .0                 | 1.1  | .0   | 1.3  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 2.6               |
| SE          | .1                 | 3.3  | .1   | 4.1  | .0    | .2  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .2 7.7               |
| SSE         | .1                 | 2.4  | .2   | 8.7  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3 11.6              |
| S           | .1                 | 5.2  | .3   | 12.0 | .0    | 1.3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .4 18.5              |
| SSW         | .0                 | 1.8  | .1   | 3.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.5               |
| SW          | .0                 | 1.8  | .0   | 1.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.3               |
| WSW         | .0                 | .6   | .0   | .7   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.3               |
| W           | .0                 | .7   | .0   | .4   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.1               |
| WNW         | .0                 | .2   | .0   | .9   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.1               |
| NW          | .1                 | 2.4  | .1   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.6               |
| NNW         | .1                 | 3.3  | .2   | 9.0  | .0    | .2  | .0    | .0 | .0    | .2 | .0    | .0 | .0  | .0 | .3 12.7              |
| CALM        | .3                 | 12.0 |      |      |       |     |       |    |       |    |       |    |     |    | .3 12.0              |
| TOTAL       | 1.0                | 40.2 | 1.3  | 56.1 | .1    | 2.8 | .0    | .2 | .0    | .6 | .0    | .0 | .0  | .2 | 2.4 100              |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 5.4                  |

CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 4 / NIGHT

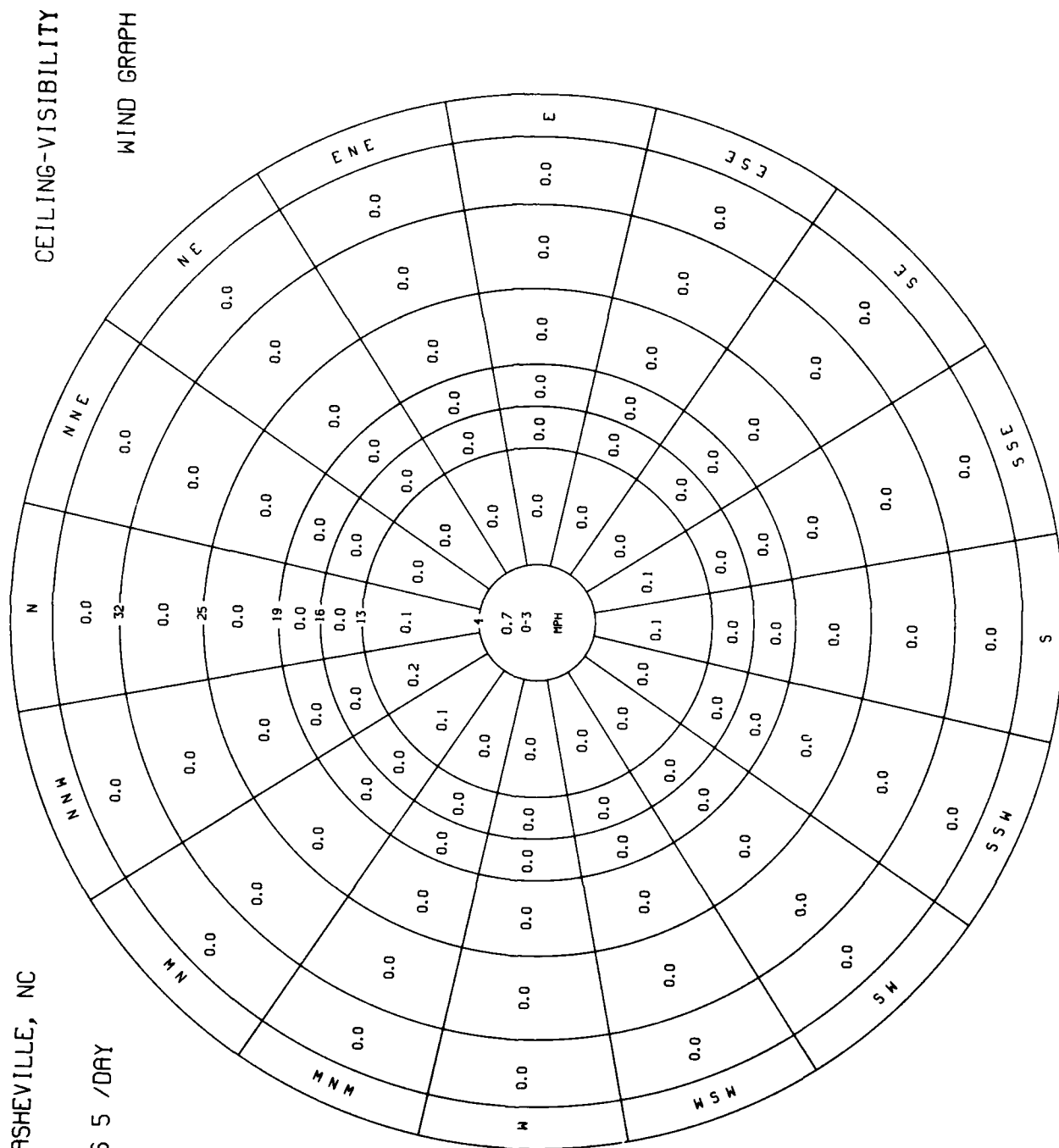
STATION NUMBER: 03812

NO. OBS.: 705

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .1                 | 1.4  | .3   | 6.7  | .0    | .4  | .0    | .0 | .0    | .1 | .0    | .1 | .0  | .0 | .3 8.8               |
| NNE         | .0                 | .7   | .0   | .3   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| NE          | .0                 | .7   | .0   | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .9                |
| ENE         | .0                 | .6   | .0   | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .7                |
| E           | .0                 | 1.1  | .0   | 1.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 2.4               |
| ESE         | .1                 | 2.1  | .0   | .9   | .0    | .1  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.1               |
| SE          | .1                 | 2.8  | .1   | 3.5  | .0    | .0  | .0    | .1 | .0    | .0 | .0    | .0 | .0  | .0 | .3 6.5               |
| SSE         | .2                 | 5.7  | .3   | 8.1  | .0    | .0  | .0    | .1 | .0    | .1 | .0    | .0 | .0  | .0 | .5 14.0              |
| S           | .2                 | 4.0  | .5   | 11.8 | .0    | .9  | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .6 16.9              |
| SSW         | .1                 | 2.1  | .1   | 3.5  | .0    | .0  | .0    | .0 | .0    | .1 | .0    | .0 | .0  | .0 | .2 5.8               |
| SW          | .0                 | 1.1  | .0   | .4   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 1.6               |
| WSW         | .1                 | 1.4  | .0   | .9   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 2.3               |
| W           | .1                 | 1.8  | .0   | .4   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 2.3               |
| WNW         | .0                 | .4   | .0   | .6   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| NW          | .1                 | 3.1  | .1   | 2.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .2 5.7               |
| NNW         | .1                 | 3.3  | .3   | 7.1  | .0    | .3  | .0    | .1 | .0    | .3 | .0    | .0 | .0  | .0 | .4 11.1              |
| CALM        | .6                 | 16.0 |      |      |       |     |       |    |       |    |       |    |     |    | .6 16.0              |
| TOTAL       | 1.9                | 48.5 | 1.9  | 48.2 | .1    | 1.7 | .0    | .7 | .0    | .7 | .0    | .1 | .0  | .0 | 3.8 100              |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 4.6                  |

AVL ASHEVILLE, NC

CLASS 5 /DAY





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 5 / DAY

STATION NUMBER: 03812

NO. OBS.: 310

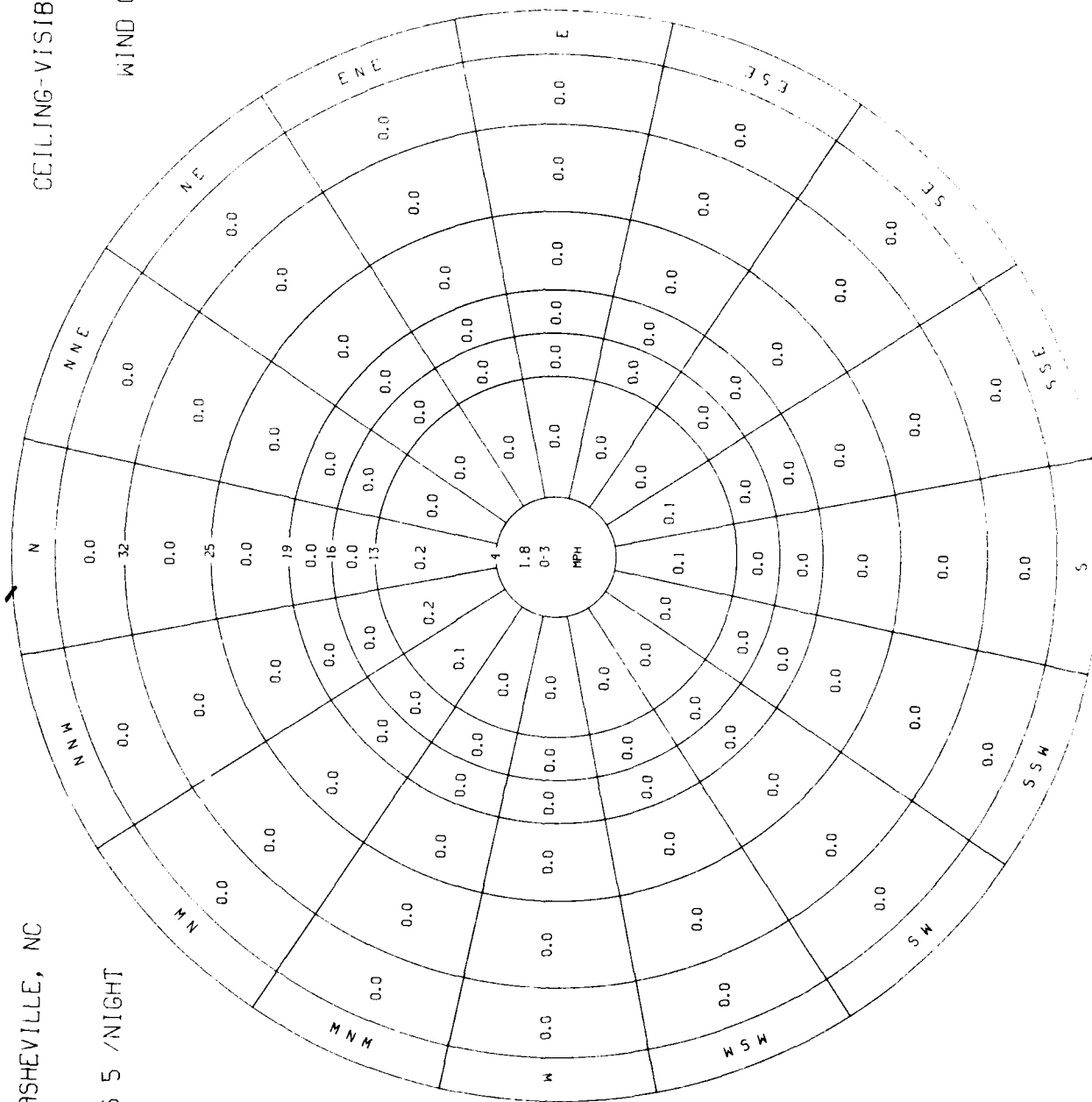
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |     |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       |     |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    |                      |       |     |
| N           | .0                 | 3.2  | .1   | 8.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .3 | .0  | .0 | .2                   | 11.9  | 6.2 |
| NNE         | .0                 | .6   | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.0   | 3.7 |
| NE          | .0                 | .6   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .6    | 3.0 |
| ENE         | .0                 | .3   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 3.0 |
| E           | .0                 | 1.0  | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.3   | 3.2 |
| ESE         | .0                 | 2.6  | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.2   | 3.4 |
| SE          | .0                 | 1.9  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.2   | 4.5 |
| SSE         | .1                 | 3.9  | .1   | 4.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 3.9   | 5.1 |
| S           | .1                 | 4.2  | .1   | 7.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 11.6  | 5.0 |
| SSW         | .0                 | 2.6  | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.2   | 3.9 |
| SW          | .0                 | 2.3  | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.9   | 3.6 |
| WSW         | .0                 | 1.0  | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 4.0 |
| W           | .0                 | 1.3  | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.9   | 3.7 |
| WNW         | .0                 | 1.3  | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.6   | 3.8 |
| NW          | .0                 | 3.5  | .1   | 4.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 8.1   | 4.8 |
| NNW         | .0                 | 3.5  | .2   | 14.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .3 | .0  | .3 | .3                   | 18.4  | 6.5 |
| CALM        | .2                 | 17.7 |      |      |       |    |       |    |       |    |       |    |     |    |                      |       |     |
| TOTAL       | .7                 | 51.6 | .7   | 47.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .6 | .0  | .3 | .2                   | 17.7  | 4.2 |

AVL ASHEVILLE, NC

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 5 - NIGHT

STATION NUMBER: 02812

NO. OBS.: 480

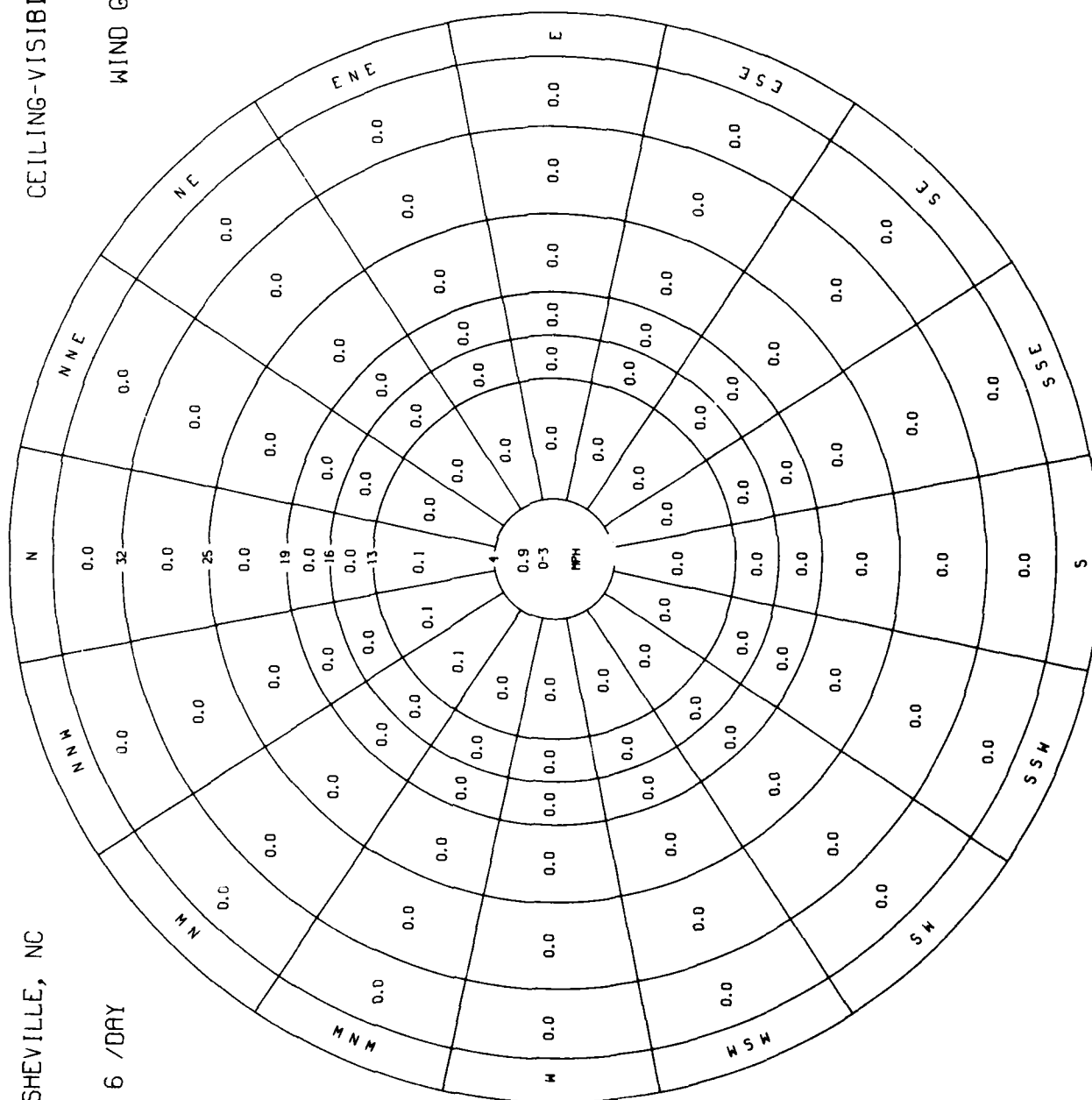
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .1                 | 3.7  | .2   | 5.8  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 9.8  | 5.4 |
| NNE         | .0                 | 1.9  | .0   | .2   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.1  | 3.1 |
| NE          | .0                 | .2   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .2   | 3.0 |
| ENE         | .0                 | 1.2  | .0   | .2   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.5  | 2.9 |
| E           | .1                 | 2.1  | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.1  | 3.7 |
| ESE         | .1                 | 2.3  | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.3  | 3.6 |
| SE          | .1                 | 3.3  | .0   | 1.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.2  | 4.2 |
| SSE         | .1                 | 5.6  | .1   | 2.7  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 8.5  | 4.2 |
| S           | .1                 | 4.2  | .1   | 3.7  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 8.1  | 4.9 |
| SSW         | .1                 | 4.4  | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.4  | 3.5 |
| SW          | .0                 | 1.9  | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.9  | 3.6 |
| WSW         | .0                 | 1.2  | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.1  | 3.8 |
| W           | .0                 | 1.7  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.7  | 2.9 |
| WNW         | .0                 | .6   | .0   | .4   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  | 3.8 |
| NW          | .1                 | 2.7  | .1   | 4.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 6.7  | 4.6 |
| NNW         | .1                 | 4.6  | .2   | 7.5  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | .3    | 12.7 | 5.9 |
| CALM        | .7                 | 25.6 |      |      |       |     |       |    |       |    |       |    |     |    |                      | .7    | 25.6 |     |
| TOTAL       | 1.8                | 67.3 | .8   | 31.5 | .0    | 1.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .2 | .2                   | 2.6   | 100  | 3.4 |

AVL ASHEVILLE, NC

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

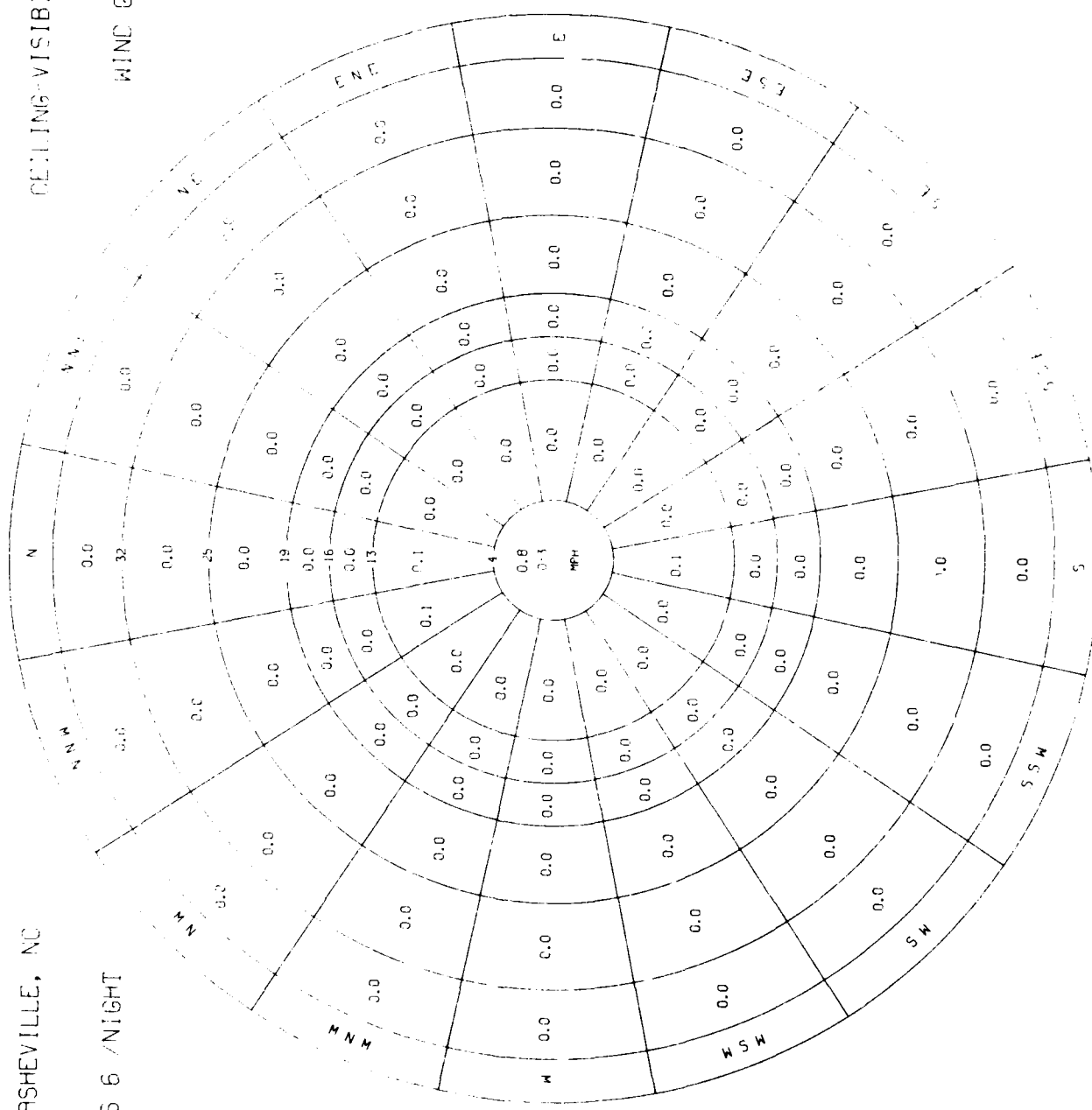
CLASS 6 / DAY

STATION NUMBER: 03812

NO. OBS.: 301

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .1                 | 4.3  | .1   | 6.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 11.0              |
| NNE         | .0                 | .7   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .7                |
| NE          | .0                 | .7   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .7                |
| ENE         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .0                |
| E           | .0                 | 1.7  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.7               |
| ESE         | .0                 | 1.3  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.3               |
| SE          | .0                 | 2.0  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| SSE         | .1                 | 4.0  | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.3               |
| S           | .0                 | 3.7  | .0   | 3.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 7.3               |
| SSW         | .0                 | 2.0  | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.7               |
| SW          | .0                 | 1.3  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.3               |
| WSW         | .0                 | 2.3  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.3               |
| W           | .0                 | 1.0  | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.3               |
| WNW         | .0                 | 3.0  | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.7               |
| NW          | .0                 | 3.7  | .1   | 5.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 9.0               |
| NNW         | .1                 | 8.3  | .1   | 9.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .2 17.6              |
| CALM        | .4                 | 28.2 |      |      |       |    |       |    |       |    |       |    |     |    | .4 28.2              |
| TOTAL       | .9                 | 68.1 | .4   | 31.9 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.3 100              |

AVL ASHEVILLE, NC  
 CLASS 6 / NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: AVL ASHEVILLE, NC

PERIOD: 1965-1978

CLASS 6 / NIGHT

STATION NUMBER: 03812

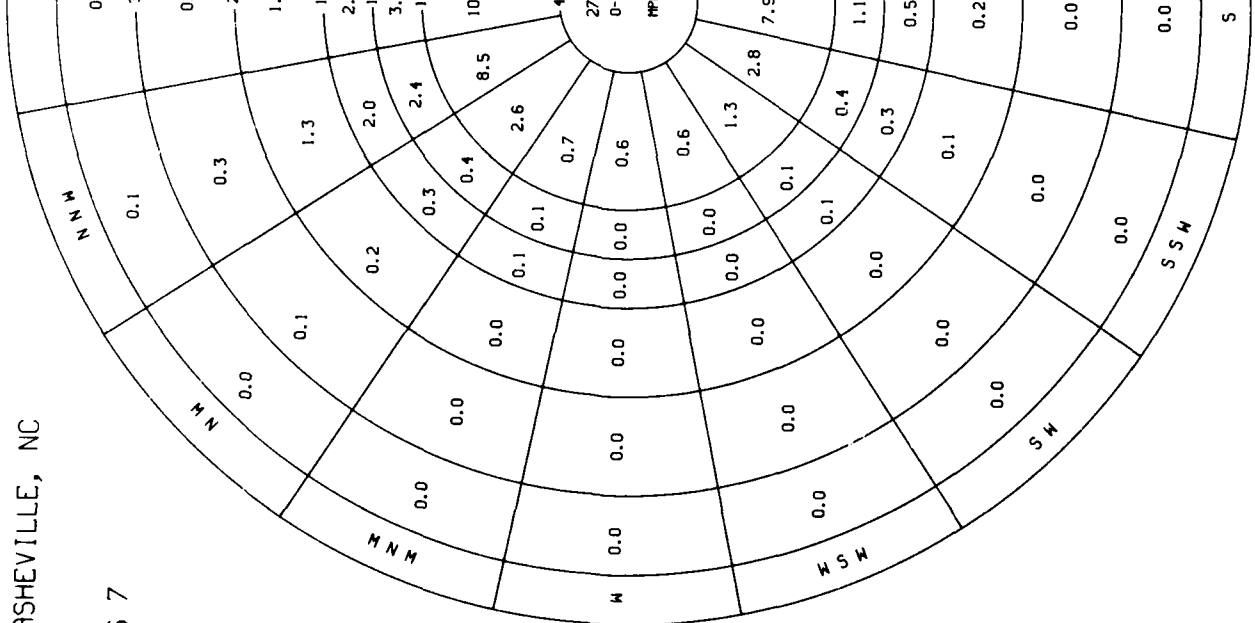
NO. OBS.: 226

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |     |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       |     |
| N           | .0                 | 3.1  | .1   | 5.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 3.9   | 3.9 |
| NNE         | .0                 | .9   | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | .3    | 4.2 |
| NE          | .0                 | .0   | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 5.0 |
| ENE         | .0                 | .4   | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.1 |
| E           | .0                 | 3.1  | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.4   | 3.9 |
| ESE         | .0                 | .9   | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.8   | 4.0 |
| SE          | .0                 | 2.2  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.1   | 4.1 |
| SSE         | .1                 | 4.4  | .0   | 1.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 6.2   | 3.1 |
| S           | .1                 | 5.3  | .1   | 4.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 6.2   | 4.1 |
| SSW         | .0                 | 1.3  | .0   | 2.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.0   | 4.1 |
| SW          | .0                 | .4   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 3.9 |
| WSW         | .0                 | .9   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .9    | 4.0 |
| W           | .0                 | 1.8  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 4.1 |
| WNW         | .0                 | 1.3  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.9 |
| NW          | .0                 | 3.1  | .0   | 3.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.1 |
| NNW         | .1                 | 4.4  | .1   | 9.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 14.2  | 4.0 |
| CALM        | .4                 | 33.6 |      |      |       |    |       |    |       |    |       |    |     |    | .4                   | 3.9   | 3.9 |
| TOTAL       | .8                 | 67.3 | .4   | 32.7 |       |    | .0    | .0 | .0    | .0 |       |    |     |    | .4                   | 3.9   | 3.9 |

# AVL ASHEVILLE, NC CLASS 7

CEILING-VISIBILITY

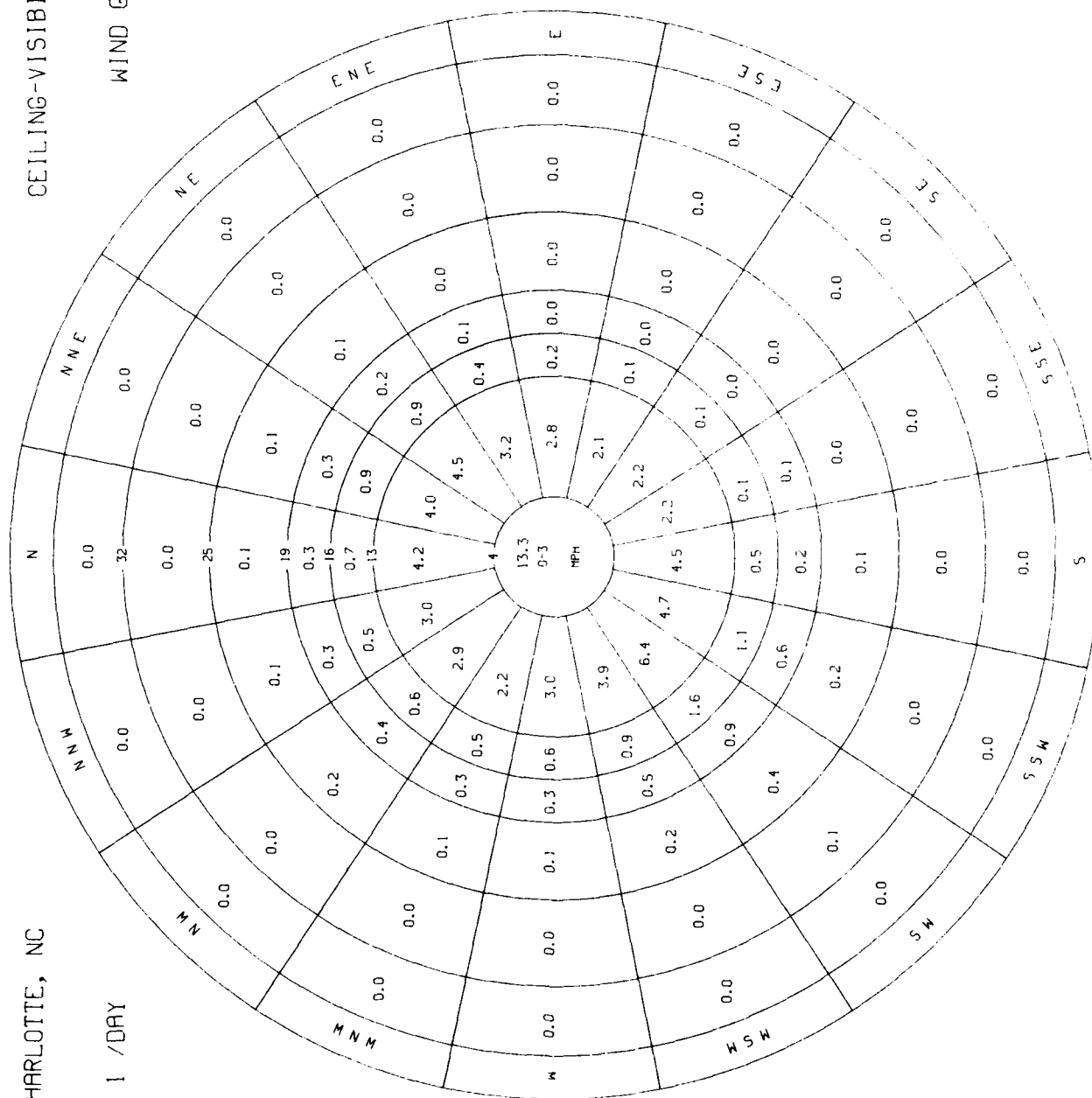
WIND GRAPH





CEILING-VISIBILITY

WIND GRAPH



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# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 1 / DAY

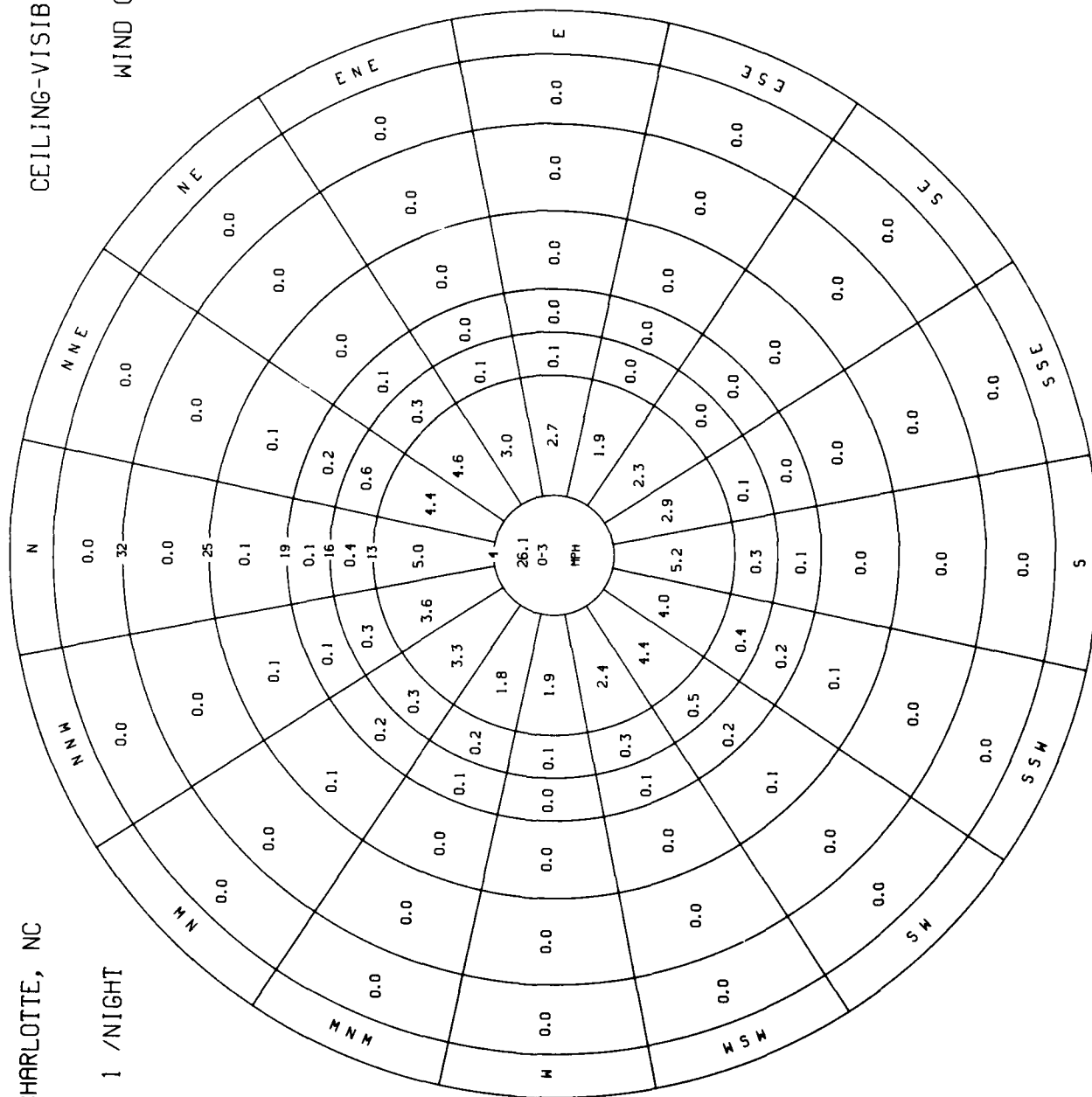
STATION NUMBER: 13891

NO. OBS.: 41943

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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   | 4.2  | 5.0  | .7    | .8   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 6.1   | 7.1  | 8.6                  |
| NNE         | .6                 | .7   | 4.0  | 4.7  | .9    | 1.1  | .3    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 6.1   | 7.1  | 9.5                  |
| NE          | .7                 | .8   | 4.5  | 5.2  | .9    | 1.1  | .2    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 6.4   | 7.5  | 8.8                  |
| ENE         | .5                 | .6   | 3.2  | 3.8  | .4    | .5   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.3   | 5.0  | 8.3                  |
| E           | .6                 | .7   | 2.8  | 3.3  | .2    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.6   | 4.2  | 7.2                  |
| ESE         | .4                 | .5   | 2.1  | 2.4  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.6   | 3.0  | 7.0                  |
| SE          | .7                 | .8   | 2.2  | 2.6  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.0   | 3.5  | 6.7                  |
| SSE         | .5                 | .6   | 2.2  | 2.6  | .1    | .2   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.9   | 3.4  | 7.2                  |
| S           | .8                 | .9   | 4.5  | 5.2  | .5    | .6   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 6.0   | 7.0  | 8.0                  |
| SSW         | .5                 | .6   | 4.7  | 5.5  | 1.1   | 1.2  | .6    | .7  | .2    | .3  | .0    | .0 | .0  | .0 | 7.1   | 8.2  | 10.2                 |
| SW          | .8                 | .9   | 6.4  | 7.4  | 1.6   | 1.9  | .9    | 1.1 | .4    | .5  | .1    | .1 | .0  | .0 | 10.2  | 11.9 | 10.3                 |
| WSW         | .5                 | .6   | 3.9  | 4.5  | .9    | 1.1  | .5    | .6  | .2    | .2  | .0    | .1 | .0  | .0 | 6.1   | 7.1  | 9.9                  |
| W           | .6                 | .7   | 3.0  | 3.5  | .6    | .7   | .3    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 4.7   | 5.5  | 9.1                  |
| WNW         | .4                 | .5   | 2.2  | 2.5  | .5    | .6   | .3    | .3  | .1    | .2  | .0    | .1 | .0  | .0 | 3.6   | 4.2  | 9.7                  |
| NW          | .6                 | .7   | 2.9  | 3.4  | .6    | .7   | .4    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | 4.7   | 5.5  | 9.2                  |
| NNW         | .6                 | .7   | 3.0  | 3.6  | .5    | .6   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 4.6   | 5.4  | 8.8                  |
| CALM        | 3.7                | 4.3  |      |      |       |      |       |     |       |     |       |    |     |    | 3.7   | 4.3  |                      |
| TOTAL       | 13.3               | 15.5 | 55.8 | 65.2 | 9.8   | 11.5 | 4.5   | 5.2 | 1.8   | 2.1 | .3    | .3 | .0  | .0 | 85.5  | 100  | 8.6                  |

# CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 13881

NO. OBS.: 35595

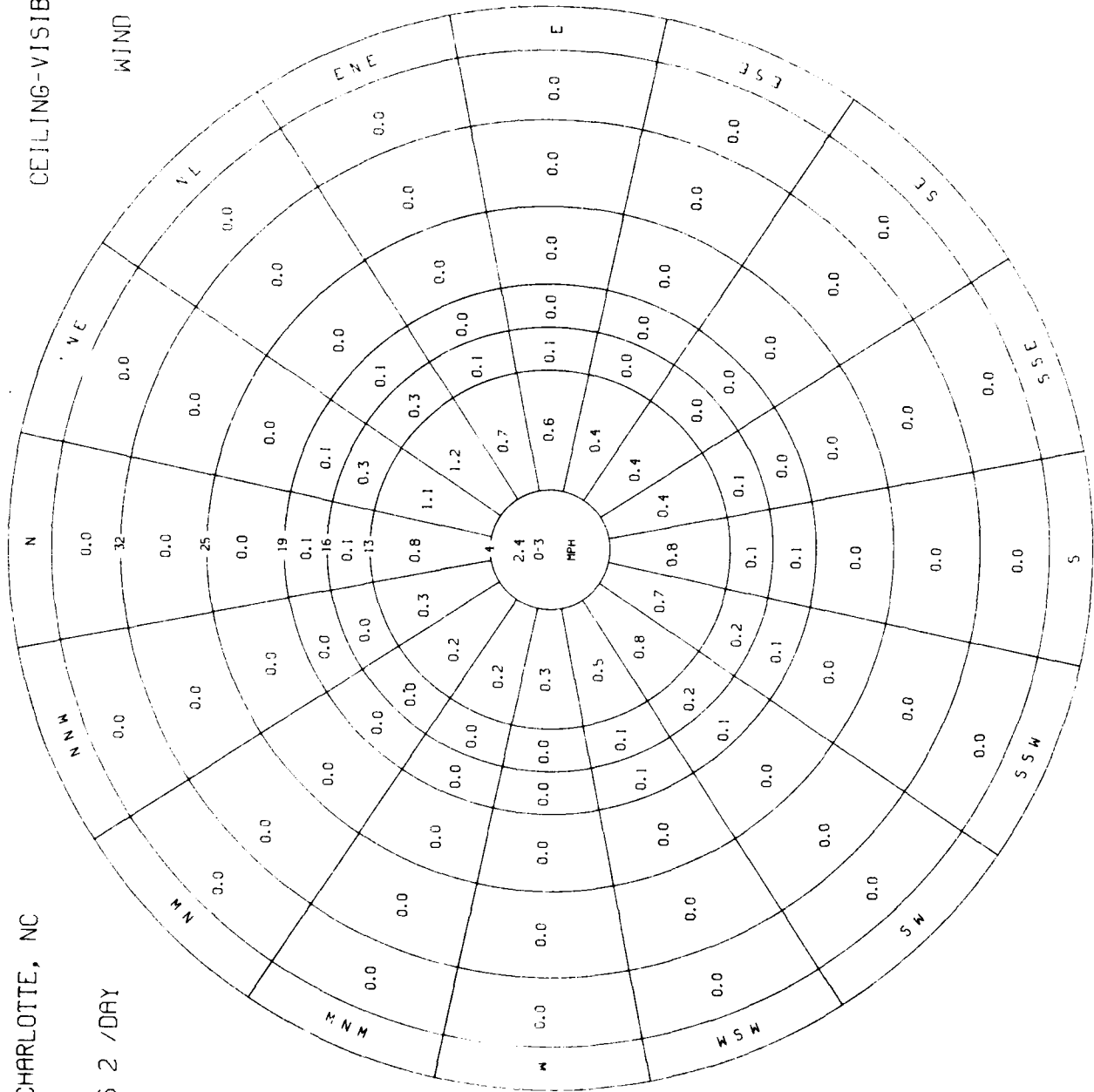
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  | C     | D    |                      |
| N           | 1.3                | 1.5  | 5.0  | 5.8  | .4    | .4  | .1    | .1  | .1    | .1 | .0    | .0 | .0  | .0 | 6.8   | 7.9  | 7.2                  |
| NNE         | .7                 | .9   | 4.4  | 5.1  | .6    | .7  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 6.0   | 7.0  | 8.5                  |
| NE          | 1.1                | 1.3  | 4.6  | 5.4  | .3    | .4  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 6.1   | 7.1  | 7.1                  |
| ENE         | 1.0                | 1.2  | 3.0  | 3.5  | .1    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 4.2   | 4.9  | 6.4                  |
| E           | 1.1                | 1.3  | 2.7  | 3.2  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 3.9   | 4.5  | 5.7                  |
| ESE         | .8                 | .9   | 1.9  | 2.3  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.8   | 3.3  | 5.7                  |
| SE          | 1.2                | 1.4  | 2.3  | 2.7  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 3.6   | 4.2  | 5.5                  |
| SSE         | 1.0                | 1.1  | 2.9  | 3.4  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 4.0   | 4.7  | 6.2                  |
| S           | 1.6                | 1.8  | 5.2  | 6.1  | .3    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 7.2   | 8.4  | 6.6                  |
| SSW         | 1.0                | 1.2  | 4.0  | 4.6  | .4    | .5  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 5.7   | 6.6  | 7.8                  |
| SW          | 1.2                | 1.4  | 4.4  | 5.1  | .5    | .6  | .2    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | 6.5   | 7.6  | 7.7                  |
| WSW         | .8                 | .9   | 2.4  | 2.8  | .3    | .3  | .1    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | 3.6   | 4.2  | 7.5                  |
| W           | .7                 | .9   | 1.9  | 2.2  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.8   | 3.3  | 6.5                  |
| WNW         | .6                 | .7   | 1.8  | 2.1  | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 2.7   | 3.1  | 7.3                  |
| NW          | .9                 | 1.1  | 3.3  | 3.9  | .3    | .4  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 4.8   | 5.6  | 7.4                  |
| NNW         | .9                 | 1.1  | 3.6  | 4.1  | .3    | .4  | .1    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 5.0   | 5.8  | 7.3                  |
| CALM        | 10.2               | 11.8 |      |      |       |     |       |     |       |    |       |    |     |    | 10.2  | 11.8 |                      |
| TOTAL       | 26.1               | 30.4 | 53.5 | 62.3 | 4.1   | 4.8 | 1.6   | 1.8 | .5    | .6 | .1    | .1 | .0  | .0 | 85.8  | 100  | 6.2                  |

CLT CHARLOTTE, NC

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 13881

NO. OBS.: 7095

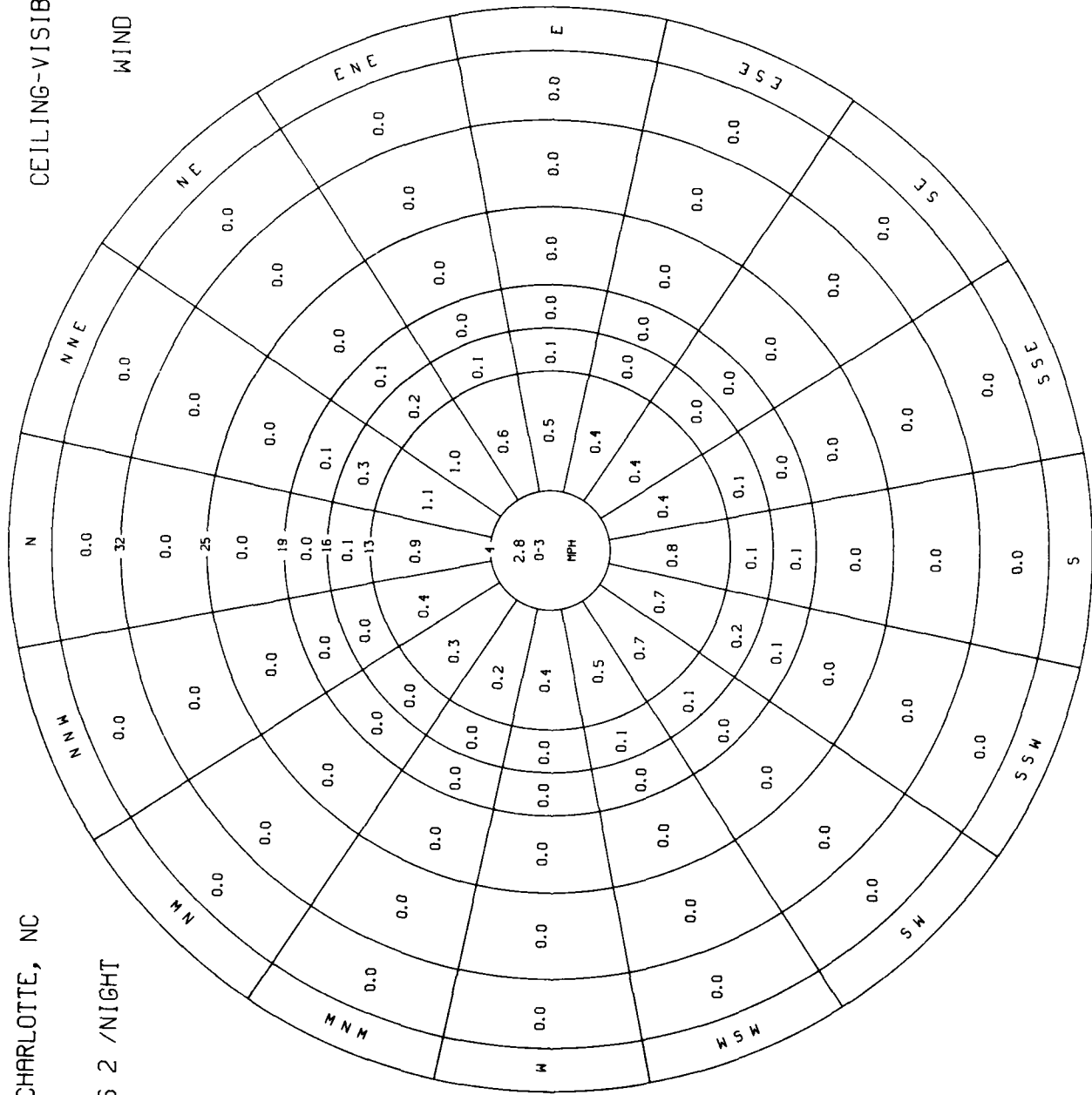
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .2                 | 1.2  | .8   | 5.4  | .1    | .9   | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | 1.2 8.1              |
| NNE         | .1                 | .7   | 1.1  | 7.6  | .3    | 2.2  | .1    | .8  | .0    | .3  | .0    | .1 | .0  | .0 | 1.7 11.6             |
| NE          | .1                 | .8   | 1.2  | 8.6  | .3    | 1.8  | .1    | .6  | .0    | .2  | .0    | .0 | .0  | .0 | 1.7 12.1             |
| ENE         | .1                 | .7   | .7   | 4.9  | .1    | .6   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .9 6.5               |
| E           | .1                 | .9   | .6   | 4.4  | .1    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .8 5.8               |
| ESE         | .1                 | .5   | .4   | 2.5  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.5               |
| SE          | .1                 | .5   | .4   | 2.5  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.5               |
| SSE         | .1                 | .8   | .4   | 2.8  | .1    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6 4.2               |
| S           | .1                 | .9   | .8   | 5.7  | .1    | .8   | .1    | .4  | .0    | .2  | .0    | .1 | .0  | .0 | 1.2 8.1              |
| SSW         | .1                 | .4   | .7   | 5.0  | .2    | 1.1  | .1    | .6  | .0    | .2  | .0    | .0 | .0  | .0 | 1.1 7.4              |
| SW          | .1                 | .6   | .8   | 5.6  | .2    | 1.4  | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | 1.2 8.3              |
| WSW         | .1                 | .4   | .5   | 3.3  | .1    | .5   | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .7 4.7               |
| W           | .1                 | .6   | .3   | 2.2  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.1               |
| WNW         | .1                 | .4   | .2   | 1.3  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3 1.8               |
| NW          | .1                 | .6   | .2   | 1.7  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3 2.4               |
| NNW         | .1                 | .6   | .3   | 2.1  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .5 3.1               |
| CALM        | .8                 | 5.8  |      |      |       |      |       |     |       |     |       |    |     |    | .8 5.8               |
| TOTAL       | 2.4                | 16.7 | 9.5  | 65.8 | 1.6   | 11.0 | .7    | 4.6 | .2    | 1.5 | .1    | .4 | .0  | .1 | 14.5 100             |
|             |                    |      |      |      |       |      |       |     |       |     |       |    |     |    | 8.3                  |

CLT CHARLOTTE, NC

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13881

NO. OBS.: 5867

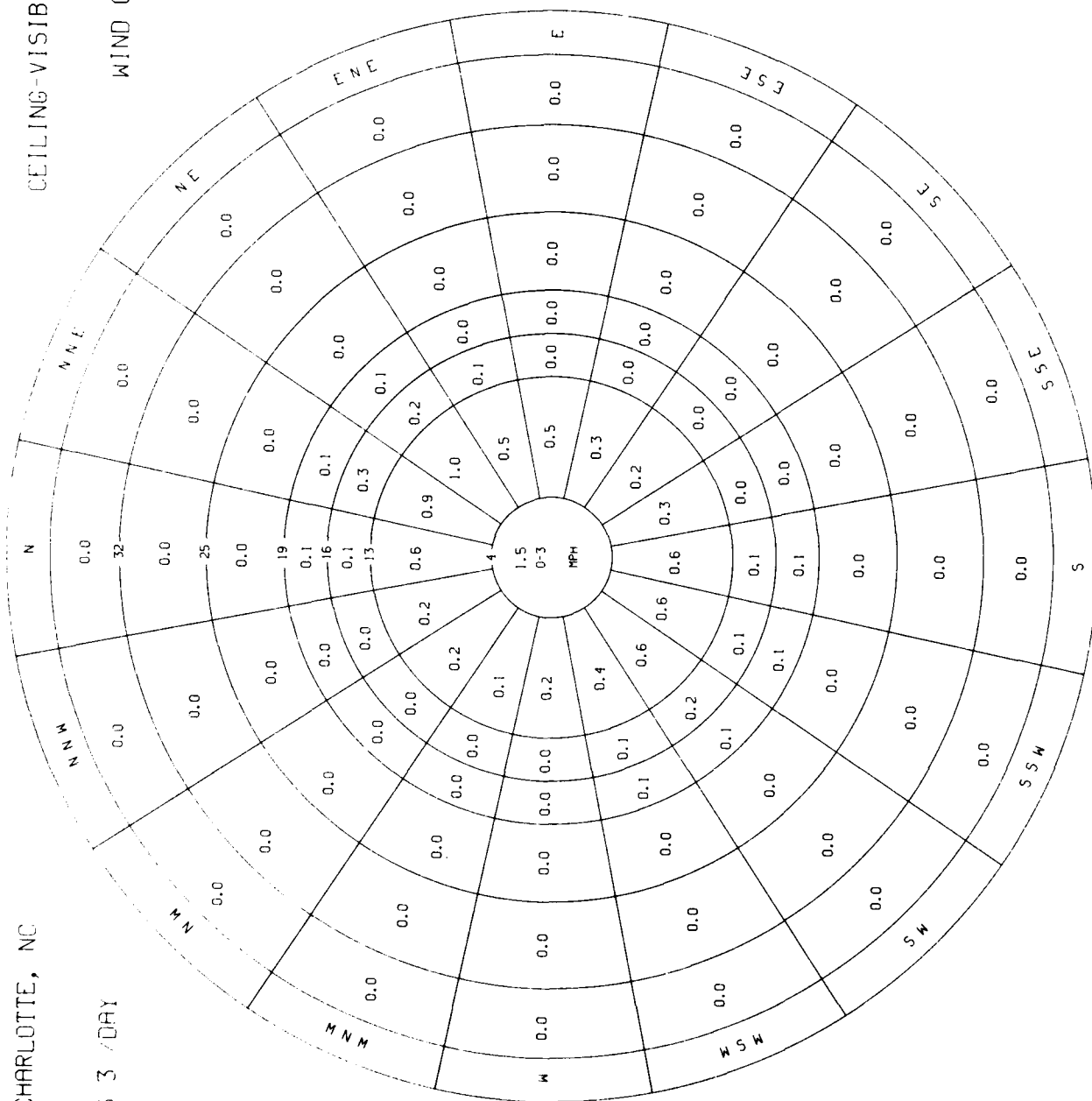
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|-----|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |     |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C   | D    |     |
| N           | .2                 | 1.4  | .9   | 6.3  | .1    | .6  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.2   | 8.8 | 8.0  |     |
| NNE         | .2                 | 1.2  | 1.1  | 7.4  | .3    | 1.8 | .1    | .8  | .0    | .3  | .0    | .1 | .0  | .1 | .0                   | .0    | 1.7 | 11.7 | 9.9 |
| NE          | .1                 | .9   | 1.0  | 7.2  | .2    | 1.6 | .1    | .5  | .0    | .3  | .0    | .0 | .0  | .0 | .0                   | .0    | 1.5 | 10.5 | 9.6 |
| ENE         | .1                 | .7   | .6   | 4.3  | .1    | .7  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .0    | .8  | 6.0  | 8.6 |
| E           | .1                 | .8   | .5   | 3.6  | .1    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | .7  | 5.0  | 7.3 |
| ESE         | .1                 | .6   | .4   | 2.6  | .0    | .2  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | .5  | 3.6  | 7.3 |
| SE          | .1                 | .7   | .4   | 2.6  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | .5  | 3.6  | 6.9 |
| SSE         | .1                 | .6   | .4   | 3.1  | .1    | .4  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .0    | .6  | 4.4  | 8.3 |
| S           | .1                 | .8   | .8   | 5.6  | .1    | .9  | .1    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .0                   | .0    | 1.1 | 7.9  | 8.7 |
| SSW         | .1                 | .5   | .7   | 4.7  | .2    | 1.1 | .1    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0 | 7.0  | 9.9 |
| SW          | .1                 | 1.0  | .7   | 4.9  | .1    | .9  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0 | 7.2  | 8.7 |
| WSW         | .1                 | .6   | .5   | 3.3  | .1    | .6  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .0    | .7  | 4.9  | 8.4 |
| W           | .1                 | .8   | .4   | 2.6  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | .5  | 3.6  | 6.7 |
| WNW         | .1                 | .7   | .2   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | .3  | 2.3  | 5.8 |
| NW          | .1                 | .7   | .3   | 1.9  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .0    | .4  | 2.8  | 6.4 |
| NNW         | .1                 | .8   | .4   | 2.6  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .0    | .5  | 3.8  | 7.3 |
| CALM        | 1.0                | 6.9  |      |      |       |     |       |     |       |     |       |    |     |    |                      | 1.0   | 6.9 |      |     |
| TOTAL       | 2.8                | 19.8 | 9.1  | 64.6 | 1.4   | 9.9 | .6    | 4.0 | .2    | 1.5 | .0    | .2 | .0  | .1 | .0                   | 14.2  | 100 |      | 7.9 |



CEILING-VISIBILITY

CLASS 3 / DAY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 13881

NO. OBS.: 5397

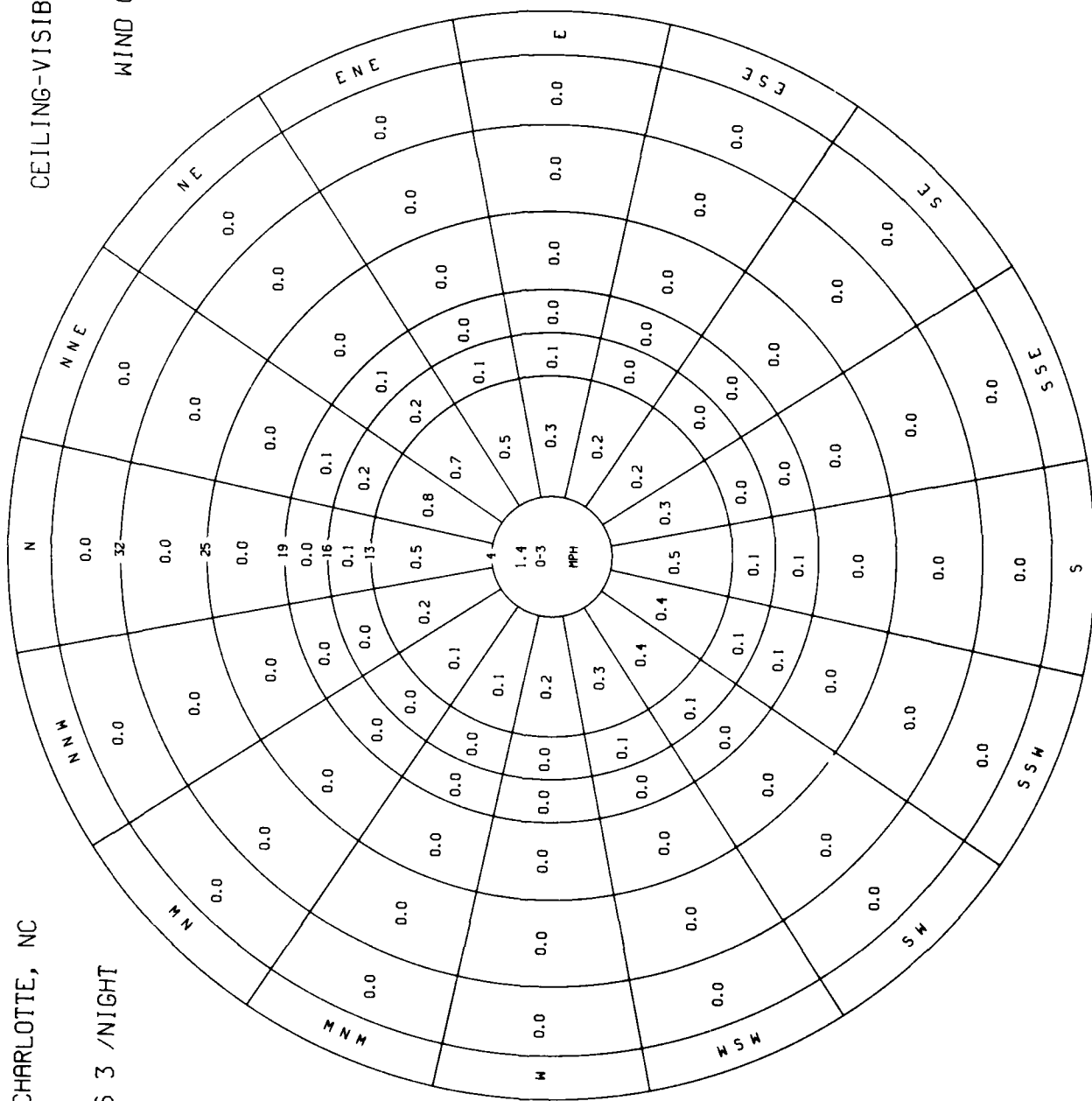
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | 1.1  | .6   | 5.7  | .1    | 1.0  | .1    | .5  | .0    | .2  | .0    | .1 | .0  | .0 | .9 8.6               |
| NNE         | .1                 | .7   | .9   | 8.1  | .3    | 2.7  | .1    | 1.0 | .0    | .4  | .0    | .1 | .0  | .0 | 1.4 12.9             |
| NE          | .1                 | .7   | 1.0  | 9.2  | .2    | 2.2  | .1    | .8  | .0    | .2  | .0    | .1 | .0  | .0 | 1.5 13.2             |
| ENE         | .1                 | .7   | .5   | 4.9  | .1    | .7   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .7 6.5               |
| E           | .1                 | .7   | .5   | 4.5  | .0    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6 5.8               |
| ESE         | .1                 | .5   | .3   | 2.4  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.2               |
| SE          | .1                 | .5   | .2   | 2.2  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.2               |
| SSE         | .1                 | .6   | .3   | 2.3  | .0    | .4   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .4 3.6               |
| S           | .1                 | .7   | .6   | 5.3  | .1    | 1.0  | .1    | .5  | .0    | .2  | .0    | .1 | .0  | .0 | .9 7.9               |
| SSW         | .0                 | .4   | .6   | 5.0  | .1    | 1.3  | .1    | .7  | .0    | .3  | .0    | .0 | .0  | .0 | .8 7.7               |
| SW          | .1                 | .5   | .6   | 5.7  | .2    | 1.6  | .1    | .7  | .0    | .1  | .0    | .0 | .0  | .0 | 1.0 8.7              |
| WSW         | .0                 | .4   | .4   | 3.3  | .1    | .5   | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .5 4.9               |
| W           | .1                 | .5   | .2   | 2.1  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.0               |
| WNW         | .0                 | .4   | .1   | 1.2  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 1.6               |
| NW          | .0                 | .4   | .2   | 1.4  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 2.0               |
| NNW         | .1                 | .5   | .2   | 1.9  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 2.9               |
| CALM        | .5                 | 4.3  |      |      |       |      |       |     |       |     |       |    |     |    | .5 4.3               |
| TOTAL       | 1.5                | 13.7 | 7.2  | 65.2 | 1.4   | 13.1 | .6    | 5.6 | .2    | 1.9 | .0    | .4 | .0  | .1 | 11.0 100 8.9         |

CLI CHARLOTTE, NC

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13881

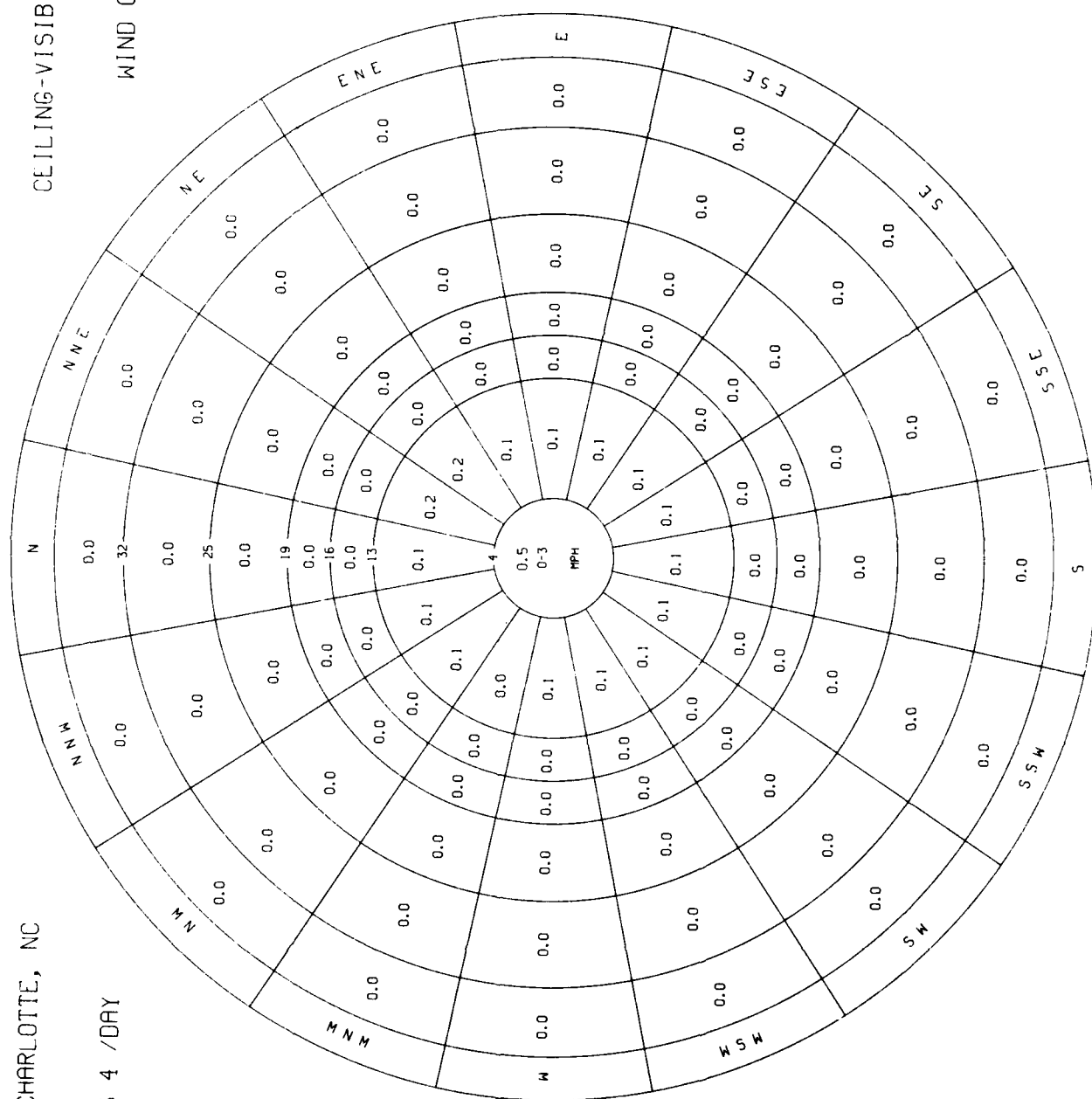
NO. OBS.: 3794

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | 1.2  | .5   | 6.0  | .1    | .8   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .8 8.6               |
| NNE         | .1                 | 1.0  | .8   | 8.3  | .2    | 2.6  | .1    | 1.3 | .0    | .5  | .0    | .2 | .0  | .1 | 1.3 13.9             |
| NE          | .1                 | .8   | .7   | 7.9  | .2    | 2.3  | .1    | .7  | .0    | .4  | .0    | .1 | .0  | .0 | 1.1 12.1             |
| ENE         | .1                 | .7   | .5   | 5.2  | .1    | 1.0  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .7 7.4               |
| E           | .1                 | .7   | .3   | 3.7  | .1    | .6   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .5 5.1               |
| ESE         | .1                 | .6   | .2   | 2.7  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.7               |
| SE          | .1                 | .6   | .2   | 2.5  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 3.4               |
| SSE         | .0                 | .5   | .3   | 2.7  | .0    | .5   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4 4.1               |
| S           | .1                 | .8   | .5   | 5.1  | .1    | 1.2  | .1    | .6  | .0    | .3  | .0    | .1 | .0  | .0 | .7 8.1               |
| SSW         | .0                 | .4   | .4   | 4.1  | .1    | 1.4  | .1    | .8  | .0    | .3  | .0    | .0 | .0  | .0 | .6 7.1               |
| SW          | .1                 | .8   | .4   | 4.7  | .1    | 1.1  | .0    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .7 7.2               |
| WSW         | .0                 | .5   | .3   | 3.0  | .1    | .7   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4 4.6               |
| W           | .1                 | .7   | .2   | 2.1  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.0               |
| WNW         | .1                 | .6   | .1   | 1.3  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2 2.0               |
| NW          | .4                 | .1   | .1   | 1.3  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .2 2.0               |
| NNW         | .1                 | .6   | .2   | 2.2  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 3.2               |
| CALM        | .4                 | 4.6  |      |      |       |      |       |     |       |     |       |    |     |    | .4 4.6               |
| TOTAL       | 1.4                | 15.4 | 5.8  | 62.9 | 1.2   | 13.3 | .5    | 5.7 | .2    | 2.3 | .0    | .3 | .0  | .1 | 9.2 100              |
|             |                    |      |      |      |       |      |       |     |       |     |       |    |     |    | 8.8                  |

## CEILING-VISIBILITY

CLASS 4 / DAY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 4 / DAY

STATION NUMBER: 13881

NO. OBS.: 1130

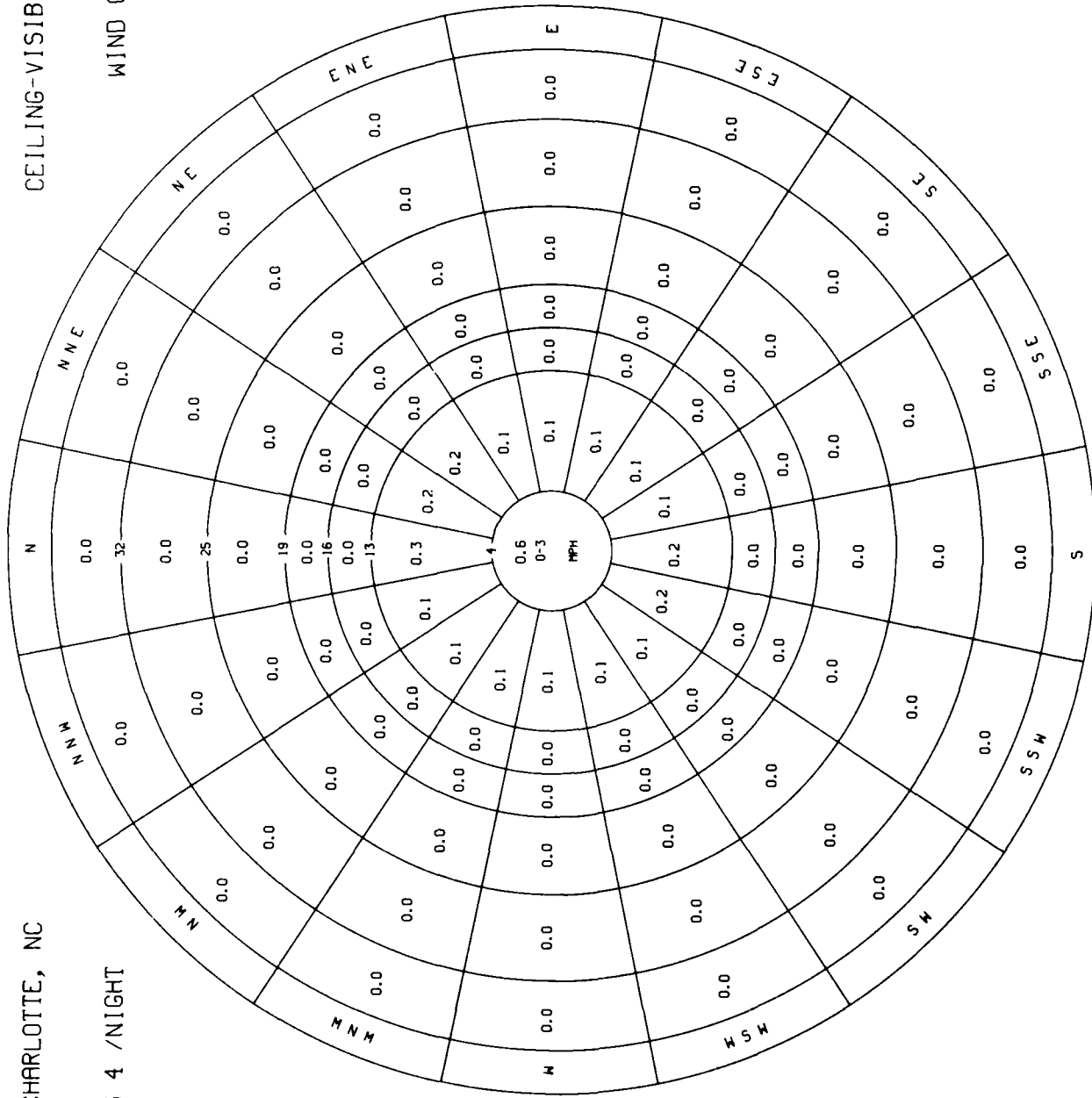
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 4.8  | .0    | .5  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 7.0  | 7.5 |
| NNE         | .0                 | .8   | .2   | 7.0  | .0    | .8  | .0    | .1  | .0    | .1 | .0    | .1 | .0  | .0 | .0    | .2                   | 8.8  | 8.9 |
| NE          | .0                 | 1.5  | .2   | 7.7  | .0    | .6  | .0    | .1  | .0    | .2 | .0    | .0 | .0  | .0 | .0    | .2                   | 10.1 | 7.7 |
| ENE         | .0                 | 1.0  | .1   | 5.8  | .0    | .3  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .2                   | 7.2  | 7.3 |
| E           | .0                 | 1.6  | .1   | 4.7  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 6.5  | 6.3 |
| ESE         | .0                 | .5   | .1   | 3.3  | .0    | .4  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 4.4  | 7.7 |
| SE          | .0                 | .6   | .1   | 3.7  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 4.5  | 7.1 |
| SSE         | .0                 | 1.2  | .1   | 4.1  | .0    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 5.8  | 7.3 |
| S           | .0                 | 1.1  | .1   | 6.5  | .0    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 8.0  | 7.5 |
| SSW         | .0                 | .8   | .1   | 5.0  | .0    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 6.3  | 7.7 |
| SW          | .0                 | 1.0  | .1   | 6.4  | .0    | .9  | .0    | .0  | .0    | .0 | .0    | .1 | .0  | .0 | .0    | .2                   | 8.3  | 8.2 |
| WSW         | .0                 | .3   | .1   | 3.7  | .0    | .3  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .1                   | 4.3  | 7.7 |
| W           | .0                 | .3   | .1   | 2.7  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.1  | 6.5 |
| WNW         | .0                 | .1   | .0   | 1.9  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 2.0  | 7.0 |
| NW          | .0                 | 1.0  | .1   | 2.2  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.3  | 5.7 |
| NNW         | .0                 | .4   | .1   | 3.0  | .0    | .1  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.7  | 7.6 |
| CALM        | .2                 | 6.5  |      |      |       |     |       |     |       |    |       |    |     |    |       | .2                   | 6.5  |     |
| TOTAL       | .5                 | 20.1 | 1.7  | 72.3 | .1    | 5.8 | .0    | 1.2 | .0    | .5 | .0    | .2 | .0  | .0 | .0    | 2.3                  | 100  | 7.0 |

CLT CHARLOTTE, NC

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13881

NO. OBS.: 1195

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |     |
| N           | .0                 | 1.6  | .3   | 8.7  | .0    | .5  | .0    | .1 | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .3    | 11.0 | 7.5 |     |
| NNE         | .0                 | .8   | .2   | 7.5  | .0    | .7  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 9.0  | 8.1 |     |
| NE          | .0                 | 1.4  | .2   | 7.9  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 9.7  | 7.4 |     |
| ENE         | .0                 | .7   | .1   | 3.7  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.5  | 7.3 |     |
| E           | .0                 | 1.3  | .1   | 3.9  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 5.4  | 6.5 |     |
| ESE         | .0                 | .5   | .1   | 3.0  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.7  | 7.1 |     |
| SE          | .0                 | .8   | .1   | 3.3  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.4  | 6.7 |     |
| SSE         | .0                 | .6   | .1   | 3.8  | .0    | .5  | .0    | .1 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.9  | 8.0 |     |
| S           | .0                 | .8   | .2   | 6.2  | .0    | .3  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 7.4  | 7.1 |     |
| SSW         | .0                 | .6   | .2   | 5.9  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 6.9  | 8.1 |     |
| SW          | .0                 | 1.2  | .1   | 4.9  | .0    | .7  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 6.8  | 7.4 |     |
| WSW         | .0                 | .7   | .1   | 4.1  | .0    | .6  | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 5.6  | 8.1 |     |
| W           | .0                 | .4   | .1   | 2.8  | .0    | .2  | .0    | .1 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.4  | 7.2 |     |
| WNW         | .0                 | .7   | .1   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.9  | 5.7 |     |
| NW          | .0                 | 1.1  | .1   | 2.6  | .0    | .1  | .0    | .1 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.8  | 6.4 |     |
| NNW         | .0                 | .8   | .1   | 3.6  | .0    | .2  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.7  | 7.7 |     |
| CALM        | .2                 | 5.8  |      |      |       |     |       |    |       |    |       |    |     |    |                      | .2    | 5.8  |     |     |
| TOTAL       | .6                 | 19.6 | 2.1  | 74.2 | .1    | 5.2 | .0    | .9 | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .2    | 9    | 100 | 7.0 |

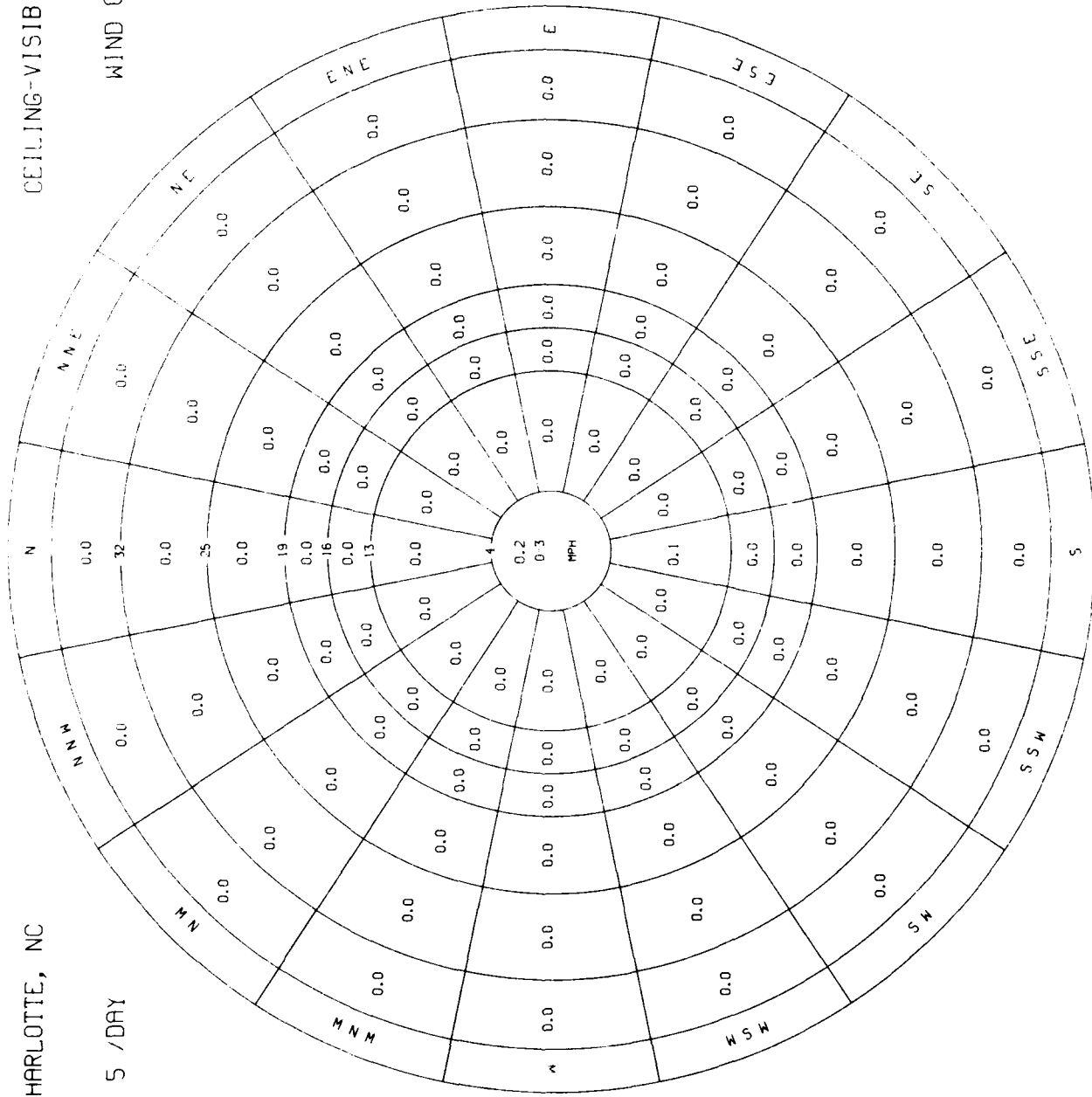


CEILING-VISIBILITY

WIND GRAPH

CLT CHARLOTTE, NC

CLASS 5 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 5 / DAY

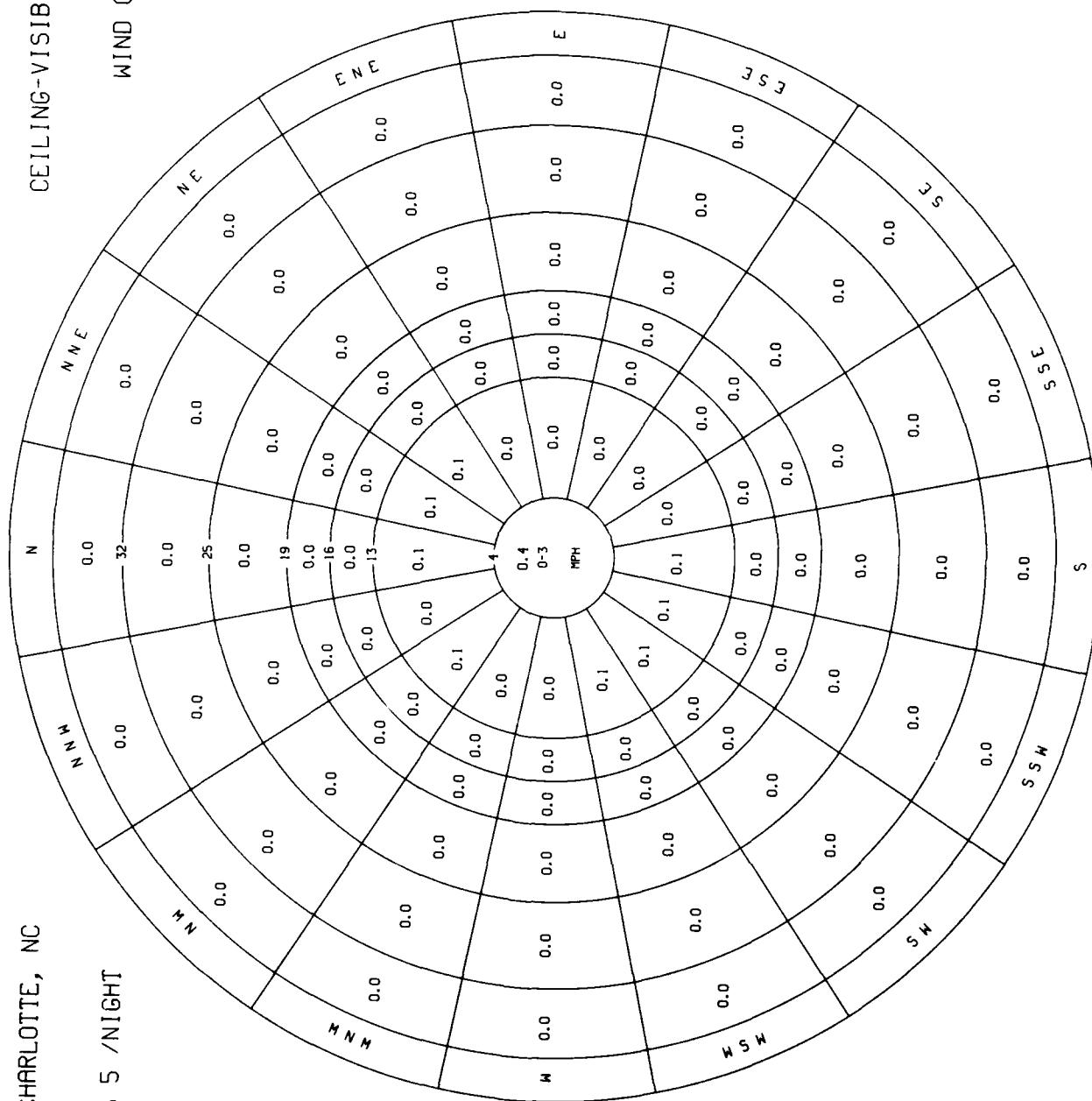
STATION NUMBER: 13881

NO. OBS.: 294

| D<br>i<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.7  | .0   | 4.8  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.8               |
| NNE         | .0                 | .3   | .0   | 4.4  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.1               |
| NE          | .0                 | .7   | .0   | 4.8  | .0    | .7  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.1               |
| ENE         | .0                 | 1.0  | .0   | 4.4  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.8               |
| E           | .0                 | .7   | .0   | 4.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.8               |
| ESE         | .0                 | 1.0  | .0   | 3.7  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.1               |
| SE          | .0                 | 1.0  | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.1               |
| SSE         | .0                 | 1.0  | .0   | 4.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.4               |
| S           | .0                 | 3.1  | .1   | 9.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 12.2              |
| SSW         | .0                 | .0   | .0   | 6.1  | .0    | .3  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.8               |
| SW          | .0                 | .7   | .0   | 3.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .3 | .0  | .0 | .0 4.4               |
| WSW         | .0                 | .7   | .0   | 3.1  | .0    | .7  | .0    | .0  | .0    | .3 | .0    | .0 | .0  | .0 | .0 4.8               |
| W           | .0                 | 2.0  | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.1               |
| WNW         | .0                 | .0   | .0   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| NW          | .0                 | 1.0  | .0   | 3.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.4               |
| NNW         | .0                 | 1.7  | .0   | 1.4  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.4               |
| CALM        | .1                 | 13.6 |      |      |       |     |       |     |       |    |       |    |     |    | .1 13.6              |
| TOTAL       | .2                 | 30.3 | .4   | 65.3 | .0    | 2.4 | .0    | 1.4 | .0    | .3 | .0    | .3 | .0  | .0 | .6 100 5.9           |

# CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 5 / NIGHT

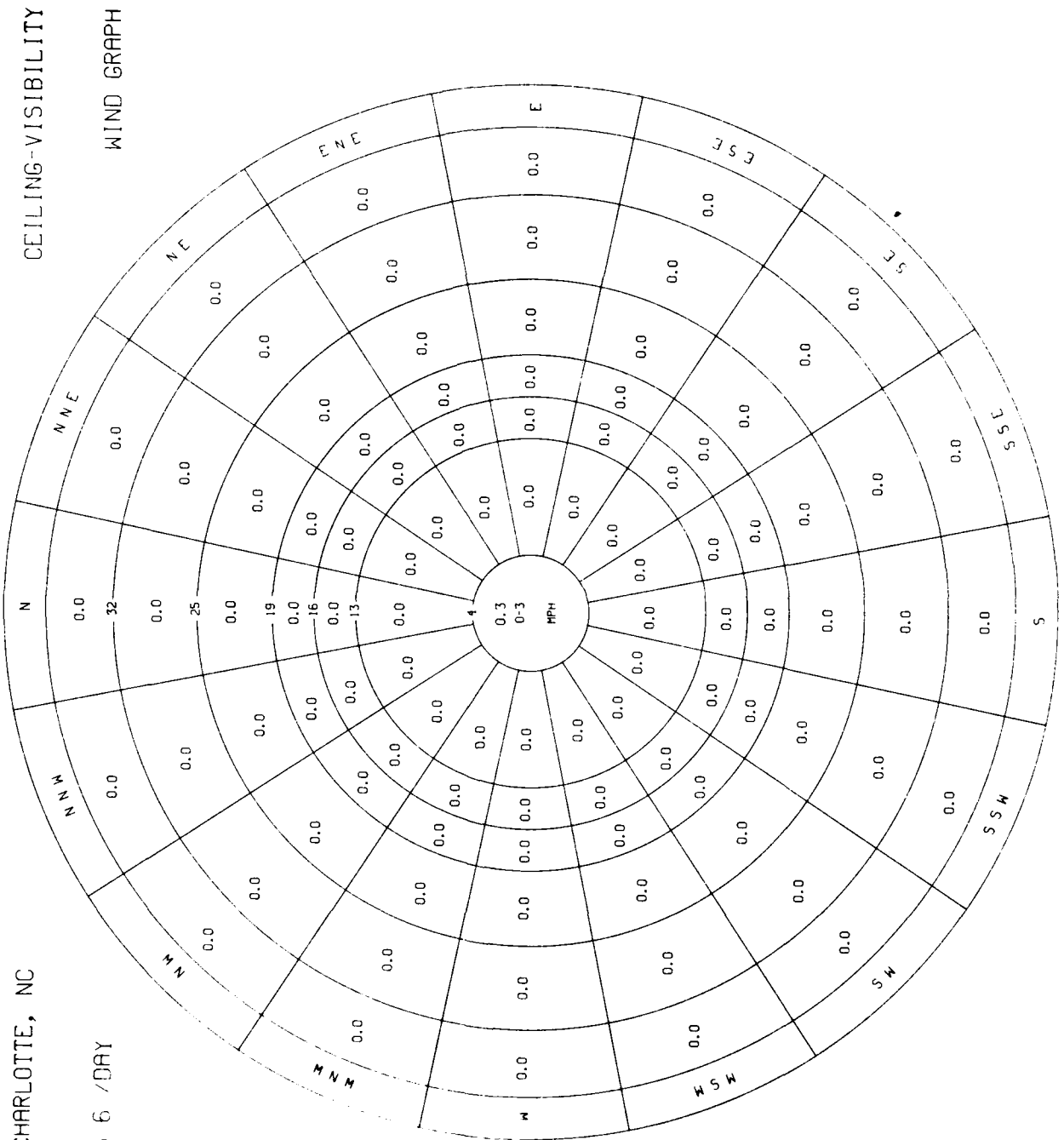
STATION NUMBER: 13881

NO. OBS.: 504

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .0                 | 2.0  | .1   | 6.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.9  | 5.9 |
| NNE         | .0                 | 1.4  | .1   | 4.8  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 6.3  | 6.3 |
| NE          | .0                 | .8   | .1   | 4.8  | .0    | .6  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 6.3  | 8.0 |
| ENE         | .0                 | .2   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.4  | 6.6 |
| E           | .0                 | .8   | .0   | 4.0  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.0  | 6.4 |
| ESE         | .0                 | 2.0  | .0   | 2.0  | .0    | .0  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.2  | 5.2 |
| SE          | .0                 | .8   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.0  | 6.4 |
| SSE         | .0                 | 1.2  | .0   | 3.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.2  | 5.9 |
| S           | .0                 | 1.0  | .1   | 7.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 8.3  | 6.7 |
| SSW         | .0                 | 1.0  | .1   | 5.0  | .0    | .6  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 6.7  | 7.6 |
| SW          | .0                 | 1.0  | .1   | 6.7  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 8.3  | 8.0 |
| WSW         | .0                 | .6   | .1   | 4.2  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.2  | 7.4 |
| W           | .0                 | 1.8  | .0   | 3.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.4  | 5.7 |
| WNW         | .0                 | .6   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.8  | 5.9 |
| NW          | .0                 | 1.0  | .1   | 4.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.2  | 5.8 |
| NNW         | .0                 | 1.8  | .0   | 3.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.2  | 5.4 |
| CALM        | .2                 | 13.7 |      |      |       |     |       |    |       |    |       |    |     |    |                      | .2    | 13.7 |     |
| TOTAL       | .4                 | 31.5 | .8   | 65.3 | .0    | 2.6 | .0    | .6 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .12   | 100  | 5.7 |

CLT CHARLOTTE, NC

CLASS 6 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 6 / DAY

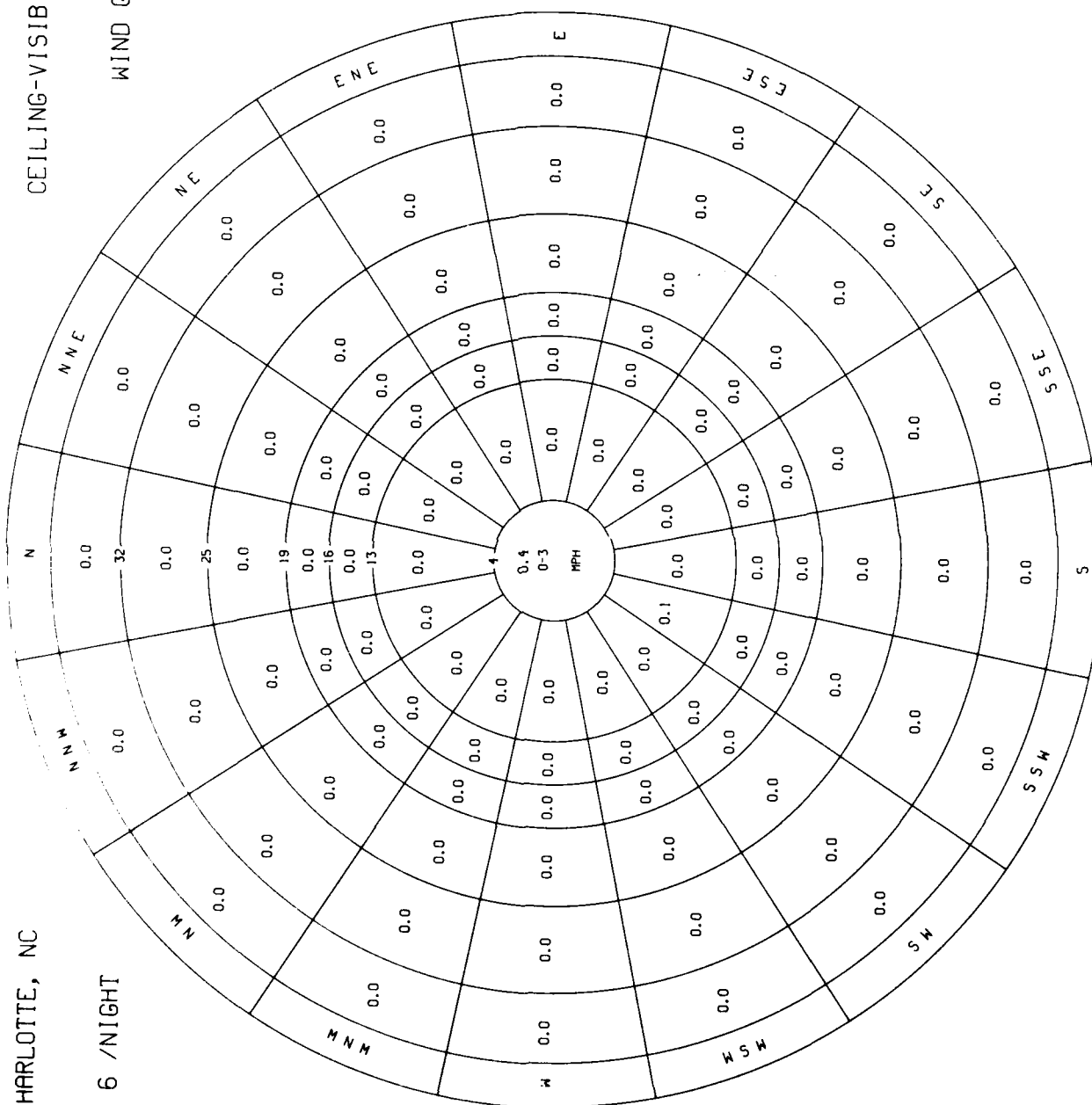
STATION NUMBER: 13881

NO. OBS.: 274

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.8  | .0   | 3.3  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.5               |
| NNE         | .0                 | 1.5  | .0   | 4.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.5               |
| NE          | .0                 | 1.1  | .0   | 2.9  | .0    | .0  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.4               |
| ENE         | .0                 | .4   | .0   | 2.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.9               |
| E           | .0                 | 2.2  | .0   | 2.6  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.1               |
| ESE         | .0                 | 1.1  | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.9               |
| SE          | .0                 | .7   | .0   | 2.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.3               |
| SSE         | .0                 | 3.3  | .0   | 4.0  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.7               |
| S           | .0                 | 1.5  | .0   | 5.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.3               |
| SSW         | .0                 | .7   | .0   | 5.1  | .0    | .7  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.9               |
| SW          | .0                 | 1.8  | .0   | 3.6  | .0    | .0  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.8               |
| WSW         | .0                 | .7   | .0   | 3.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.0               |
| W           | .0                 | 2.6  | .0   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.3               |
| WNW         | .0                 | 1.5  | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.3               |
| NW          | .0                 | 1.8  | .0   | 2.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.0               |
| NNW         | .0                 | .7   | .0   | 4.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.7               |
| CALM        | .1                 | 23.4 |      |      |       |     |       |     |       |    |       |    |     |    | .1 23.4              |
| TOTAL       | .3                 | 46.7 | .3   | 50.4 | .0    | 1.8 | .0    | 1.1 | .0    | .0 | .0    | .0 | .0  | .0 | .6 100               |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 4.4                  |

CEILING-VISIBILITY

WIND GRAPH



CLT CHARLOTTE, NC

CLASS 6 / NIGHT

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CLT CHARLOTTE, NC

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13881

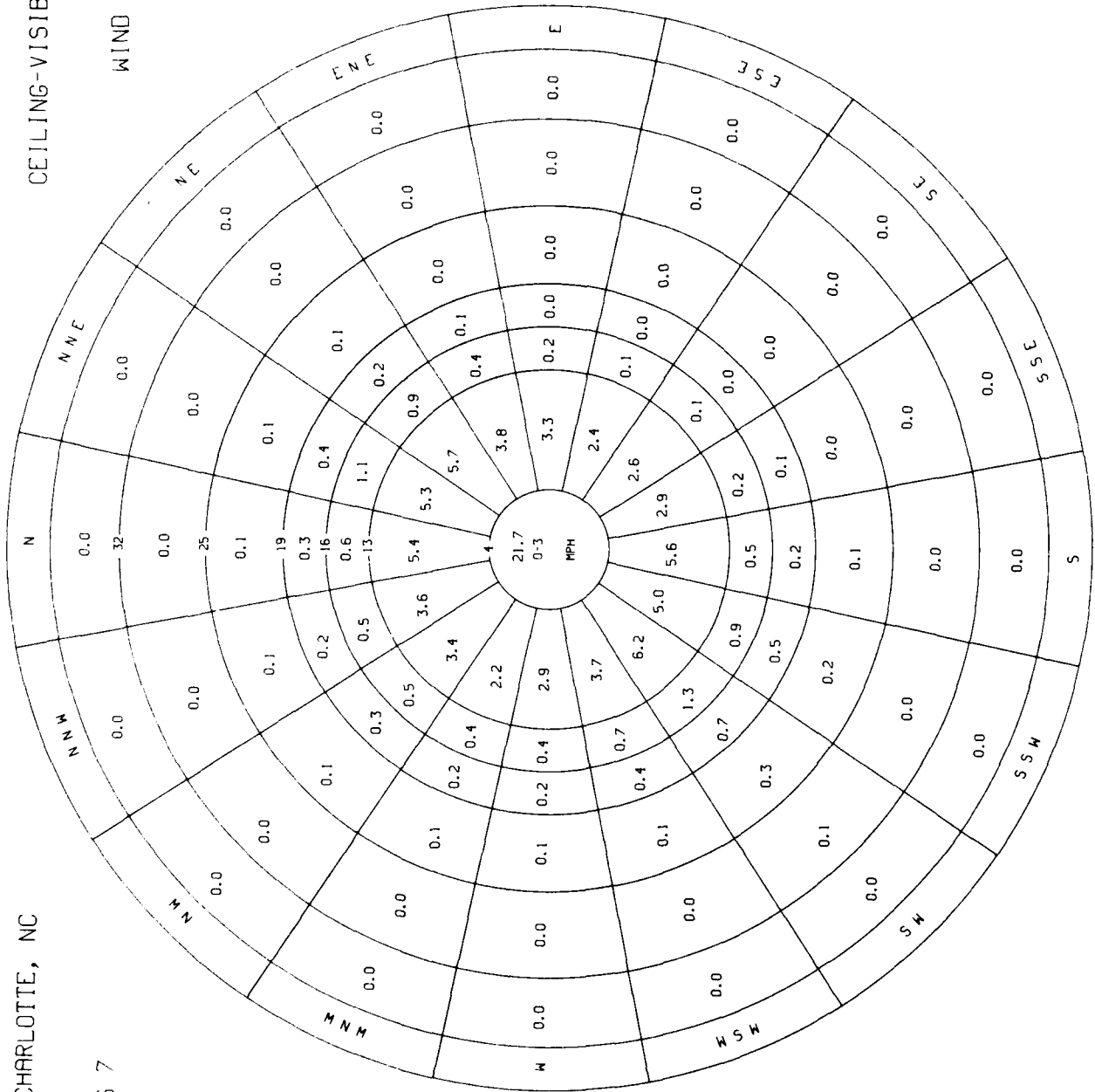
NO. OBS.: 374

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.7  | .0   | 2.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.3                  |
| NNE         | .0                 | 3.2  | .0   | 2.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.6                  |
| N E         | .0                 | 1.1  | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.7                  |
| ENE         | .0                 | 1.1  | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.6                  |
| E           | .0                 | .8   | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.1                  |
| ESE         | .0                 | .3   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.1                  |
| SE          | .0                 | 1.6  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.7                  |
| SSE         | .0                 | .5   | .0   | 5.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.9                  |
| S           | .0                 | 1.3  | .0   | 5.3  | .0    | .0 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | 7.0                  |
| SSW         | .0                 | .3   | .1   | 6.4  | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 7.0                  |
| SW          | .0                 | 1.6  | .0   | 4.5  | .0    | .0 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | 6.4                  |
| WSW         | .0                 | 2.1  | .0   | 3.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.4                  |
| W           | .0                 | 2.1  | .0   | 5.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 7.2                  |
| WNW         | .0                 | 1.6  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.7                  |
| NW          | .0                 | 2.1  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.3                  |
| NNW         | .0                 | 2.4  | .0   | 2.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.3                  |
| CALM        | .2                 | 24.3 |      |      |       |    |       |    |       |    |       |    |     |    | 24.3                 |
| TOTAL       | .4                 | 49.2 | .5   | 50.0 | .0    | .3 | .0    | .5 | .0    | .0 | .0    | .0 | .0  | .0 | 4.2                  |



# CEILING-VISIBILITY

WIND GRAPH

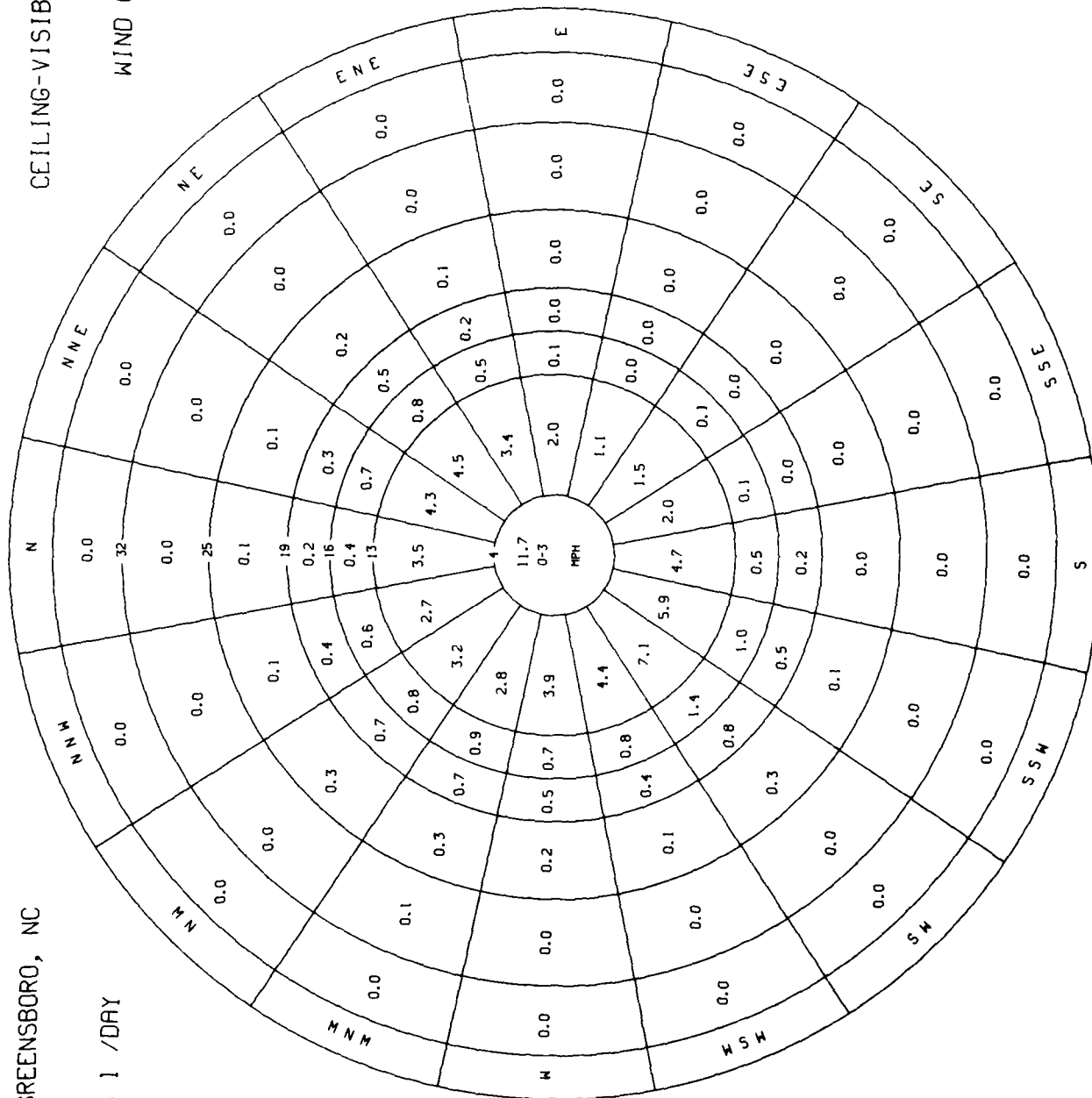


GSO GREENSBORO, NC

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 13723

NO. OBS.: 40614

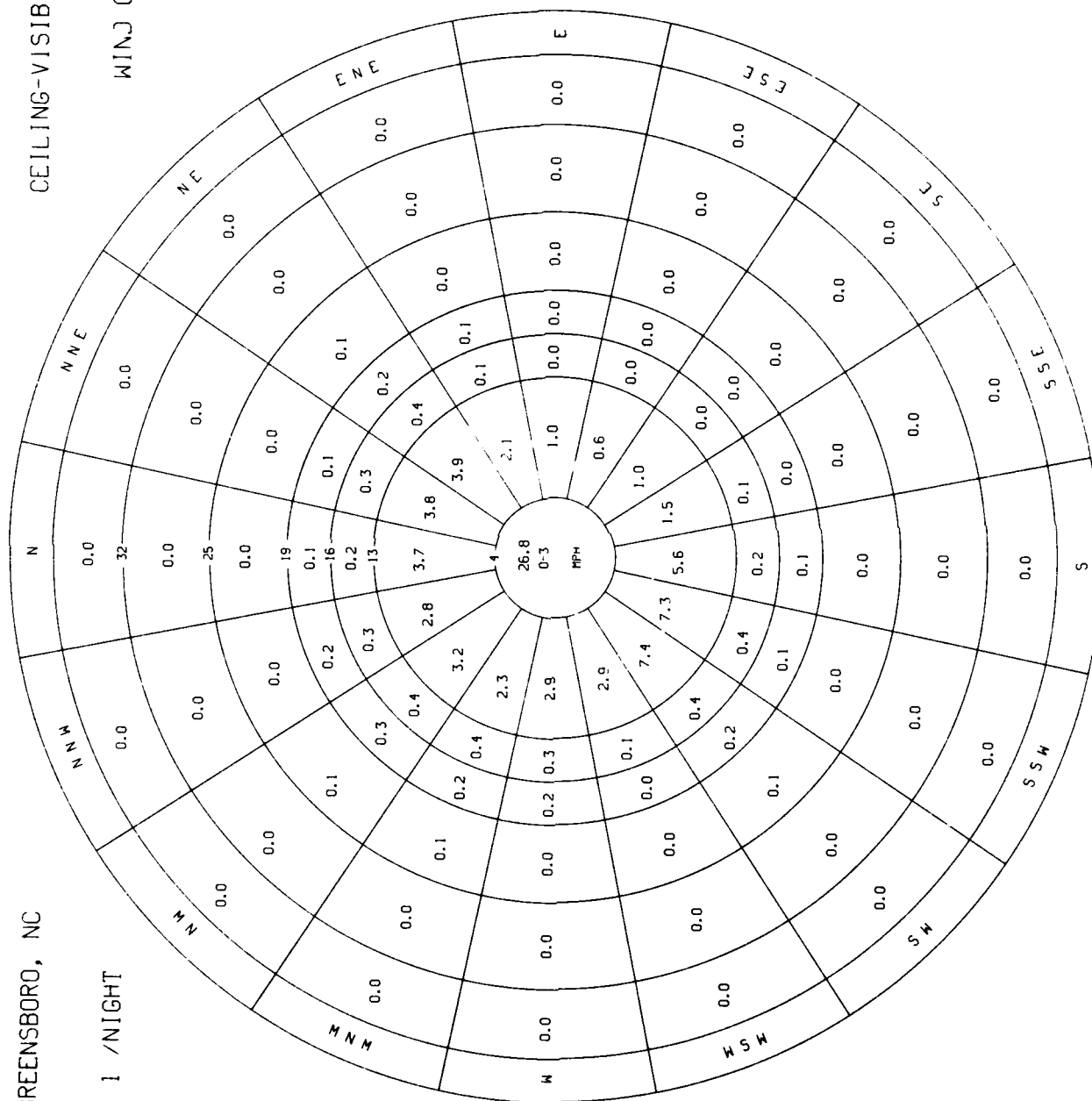
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C    |
| N           | .7                 | .8   | 3.5  | 4.1  | .4    | .5   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 4.8                  | 5.7   | 8.2  |
| NNE         | .7                 | .8   | 4.3  | 5.0  | .7    | .8   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 6.0                  | 7.0   | 8.7  |
| NE          | .7                 | .8   | 4.5  | 5.3  | .8    | 1.0  | .5    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 6.7                  | 7.8   | 9.3  |
| ENE         | .5                 | .6   | 3.4  | 4.0  | .5    | .5   | .2    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 4.8                  | 5.6   | 8.5  |
| E           | .6                 | .7   | 2.0  | 2.3  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.8                  | 3.2   | 6.6  |
| ESE         | .3                 | .4   | 1.1  | 1.3  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.5                  | 1.8   | 6.3  |
| SE          | .4                 | .5   | 1.5  | 1.7  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.0                  | 2.3   | 6.5  |
| SSE         | .4                 | .4   | 2.0  | 2.3  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.5                  | 2.9   | 7.2  |
| S           | .9                 | 1.0  | 4.7  | 5.5  | .5    | .5   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 6.2                  | 7.3   | 7.7  |
| SSW         | .7                 | .8   | 5.9  | 6.9  | 1.0   | 1.1  | .5    | .6  | .1    | .1  | .0    | .0 | .0  | .0 | 8.2                  | 9.6   | 9.0  |
| SW          | 1.2                | 1.4  | 7.1  | 8.4  | 1.4   | 1.6  | .8    | .9  | .3    | .3  | .0    | .1 | .0  | .0 | 10.8                 | 12.6  | 9.4  |
| WSW         | .5                 | .6   | 4.4  | 5.1  | .8    | 1.0  | .4    | .5  | .1    | .1  | .0    | .0 | .0  | .0 | 6.2                  | 7.2   | 9.3  |
| W           | .7                 | .8   | 3.9  | 4.5  | .7    | .9   | .5    | .6  | .2    | .2  | .0    | .0 | .0  | .0 | 6.0                  | 7.0   | 9.5  |
| WNW         | .4                 | .4   | 2.8  | 3.2  | .9    | 1.0  | .7    | .8  | .3    | .3  | .1    | .1 | .0  | .0 | 5.0                  | 5.9   | 11.1 |
| NW          | .5                 | .6   | 3.2  | 3.7  | .8    | .9   | .7    | .9  | .3    | .4  | .0    | .1 | .0  | .0 | 5.5                  | 6.5   | 10.6 |
| NNW         | .4                 | .5   | 2.7  | 3.2  | .6    | .7   | .4    | .5  | .1    | .2  | .0    | .0 | .0  | .0 | 4.3                  | 5.0   | 9.7  |
| CALM        | 2.2                | 2.6  |      |      |       |      |       |     |       |     |       |    |     |    | 2.2                  | 2.6   |      |
| TOTAL       | 11.7               | 13.7 | 56.9 | 66.5 | 9.4   | 11.0 | 5.5   | 6.4 | 1.8   | 2.1 | .3    | .3 | .0  | .0 | 85.5                 | 100   | 8.7  |

GSO GREENSBORO, NC

CLASS 1 / NIGHT

CEILING-VISIBILITY

WINJ GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 13723

NO. OBS.: 34083

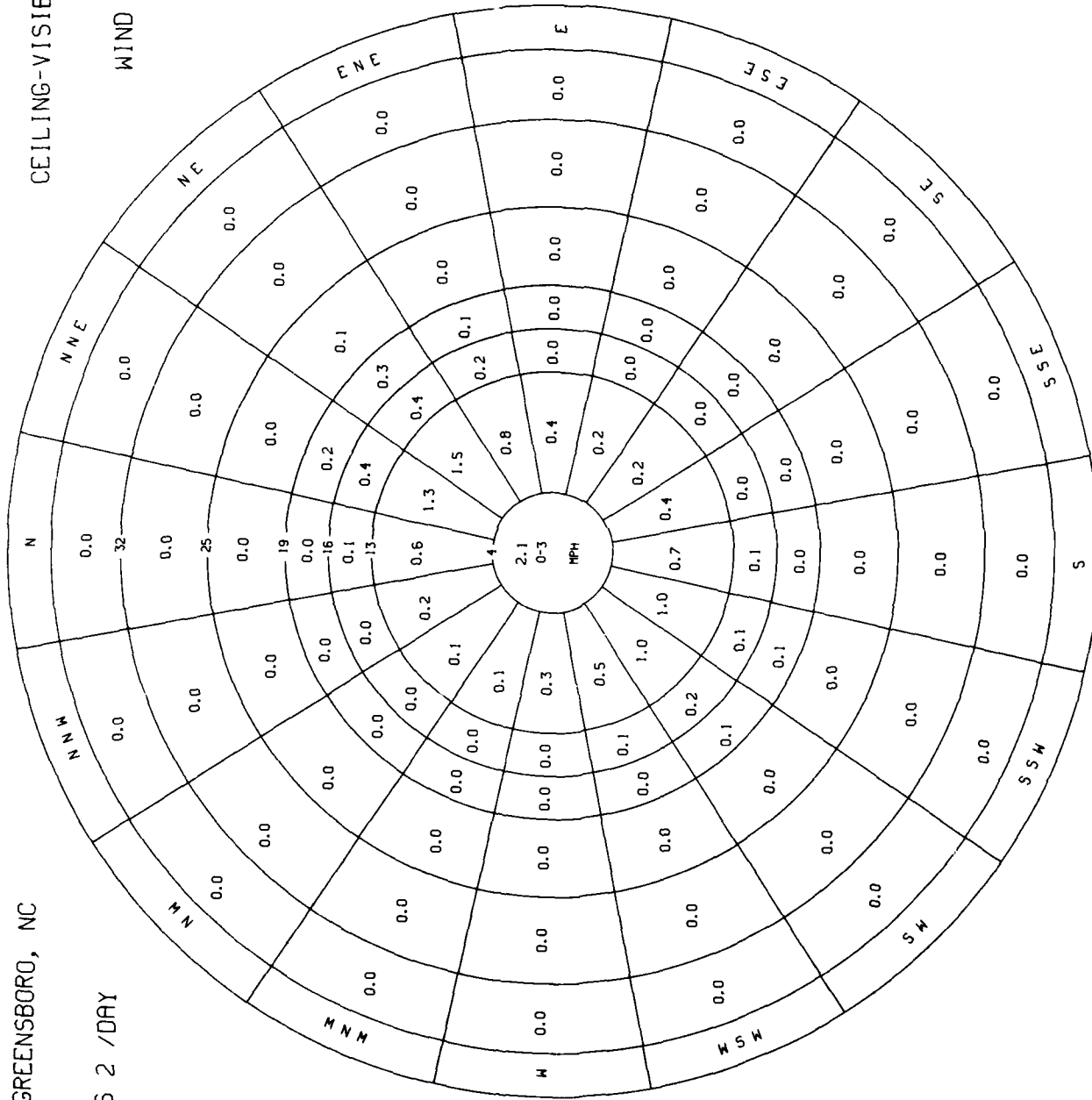
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |                      |       |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      | C     |
| N           | 1.0                | 1.1  | 3.7  | 4.3  | .2    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 5.0                  | 5.9   |
| NNE         | 1.0                | 1.2  | 3.6  | 4.5  | .3    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 5.3                  | 6.2   |
| NE          | 1.3                | 1.6  | 3.9  | 4.6  | .4    | .5  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 6.0                  | 7.0   |
| ENE         | .9                 | 1.0  | 2.1  | 2.4  | .1    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  | 3.8   |
| E           | .8                 | .9   | 1.0  | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.8                  | 2.1   |
| ESE         | .3                 | .4   | .6   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.0                  | 1.1   |
| SE          | .6                 | .6   | 1.0  | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.5                  | 1.8   |
| SSE         | .6                 | .7   | 1.5  | 1.8  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.2                  | 2.6   |
| S           | 1.3                | 1.5  | 5.6  | 6.5  | .2    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 7.2                  | 8.5   |
| SSW         | 2.0                | 2.3  | 7.3  | 8.6  | .4    | .4  | .1    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | 9.8                  | 11.5  |
| SW          | 2.7                | 3.1  | 7.4  | 8.8  | .4    | .5  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 10.8                 | 12.7  |
| WSW         | 1.3                | 1.5  | 2.9  | 3.5  | .1    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 4.4                  | 5.2   |
| W           | 1.2                | 1.5  | 2.9  | 3.4  | .3    | .3  | .2    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | 4.6                  | 5.4   |
| WNW         | .6                 | .7   | 2.3  | 2.8  | .4    | .4  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 3.6                  | 4.2   |
| NW          | .8                 | 1.0  | 3.2  | 3.7  | .4    | .5  | .3    | .4  | .1    | .1 | .0    | .0 | .0  | .0 | 4.8                  | 5.7   |
| NNW         | .6                 | .7   | 2.8  | 3.3  | .3    | .3  | .2    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | 3.8                  | 4.5   |
| CALM        | 9.9                | 11.7 |      |      |       |     |       |     |       |    |       |    |     |    | 9.9                  | 11.7  |
| TOTAL       | 26.8               | 31.6 | 51.9 | 61.1 | 3.6   | 4.3 | 1.9   | 2.2 | .6    | .7 | .1    | .1 | .0  | .0 | 84.9                 | 100   |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |                      | 6.0   |

GSO GREENSBORO, NC

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 13723

NO. OBS.: 6865

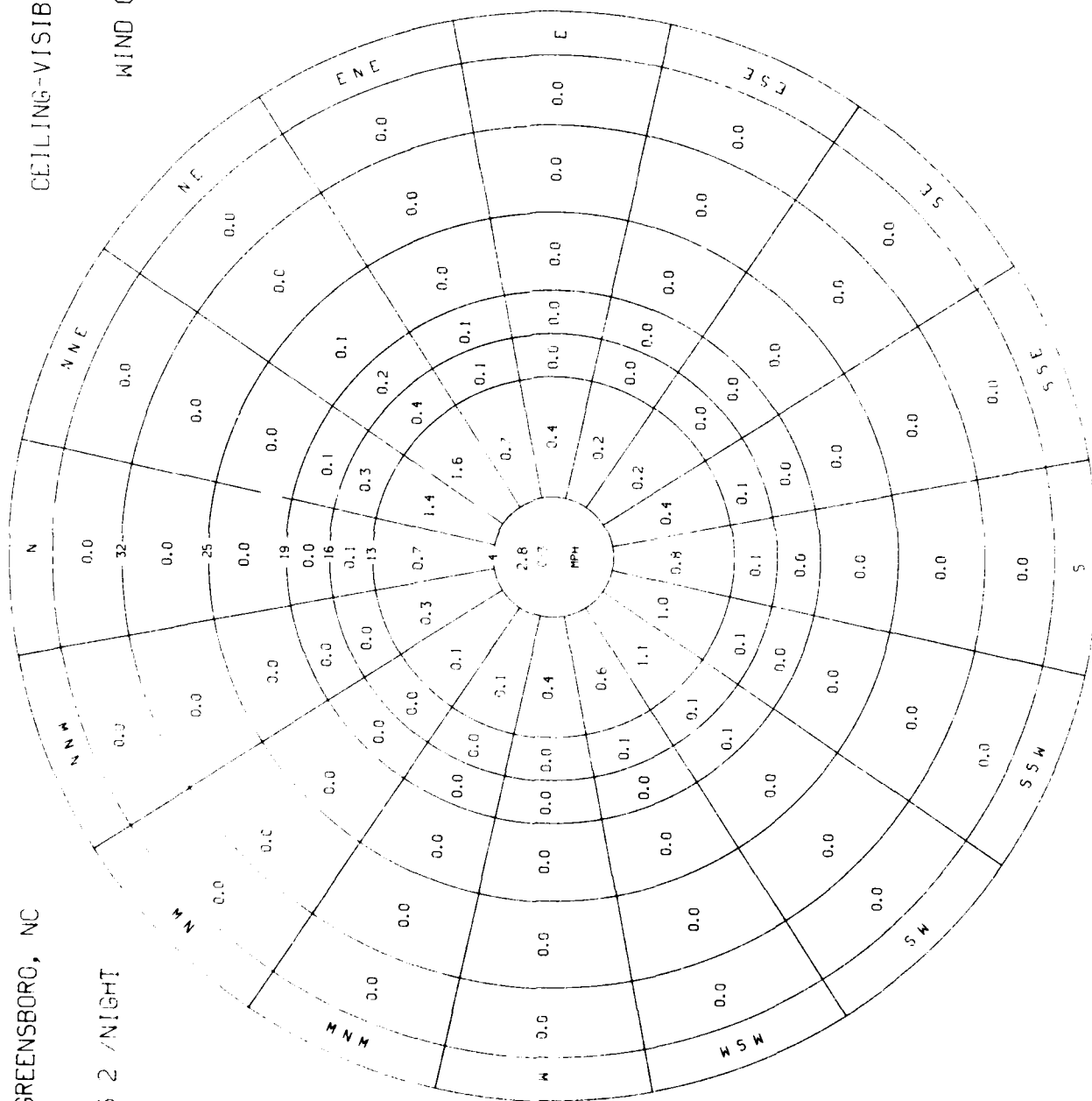
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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   | .6   | 4.2  | .1    | .5   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .9    | 5.9  | 8.1  |
| NNE         | .1                 | .8   | 1.3  | 9.0  | .4    | 2.5  | .2    | 1.2 | .0    | .3  | .0    | .1 | .0  | .0 | .0                   | 2.0   | 13.9 | 10.3 |
| NE          | .2                 | 1.0  | 1.5  | 10.3 | .4    | 3.1  | .3    | 2.0 | .1    | .8  | .0    | .1 | .0  | .0 | .0                   | 2.5   | 17.4 | 10.9 |
| ENE         | .1                 | .6   | .8   | 5.7  | .2    | 1.0  | .1    | .6  | .0    | .2  | .0    | .1 | .0  | .0 | .0                   | 1.2   | 8.3  | 9.9  |
| E           | .1                 | .7   | .4   | 2.9  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .6    | 4.1  | 7.4  |
| ESE         | .1                 | .5   | .2   | 1.6  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 2.2  | 7.0  |
| SE          | .1                 | .4   | .2   | 1.7  | .0    | .1   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .4    | 2.4  | 8.1  |
| SSE         | .1                 | .5   | .4   | 2.5  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .5    | 3.3  | 7.9  |
| S           | .2                 | 1.0  | .7   | 5.1  | .1    | .8   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.1   | 7.3  | 8.1  |
| SSW         | .1                 | .9   | 1.0  | 6.9  | .1    | .7   | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.3   | 9.1  | 8.5  |
| SW          | .1                 | .9   | 1.0  | 7.1  | .2    | 1.2  | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.4   | 9.6  | 8.9  |
| WSW         | .1                 | .6   | .5   | 3.6  | .1    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .7    | 4.8  | 8.1  |
| W           | .1                 | .9   | .3   | 2.1  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .5    | 3.1  | 6.5  |
| WNW         | .1                 | .3   | .1   | .6   | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .2    | 1.1  | 6.5  |
| NW          | .1                 | .4   | .1   | 1.0  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .2    | 1.6  | 7.6  |
| NNW         | .1                 | .4   | .2   | 1.7  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .4    | 2.5  | 7.8  |
| CALM        | .5                 | 3.4  |      |      |       |      |       |     |       |     |       |    |     |    |                      | .5    | 3.4  |      |
| TOTAL       | 2.1                | 14.2 | 9.5  | 66.0 | 1.6   | 11.4 | .8    | 5.9 | .3    | 2.0 | .1    | .5 | .0  | .1 | .1                   | 14.5  | 100  | 8.7  |

GSO GREENSBORO, NC

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 2 / NIGHT

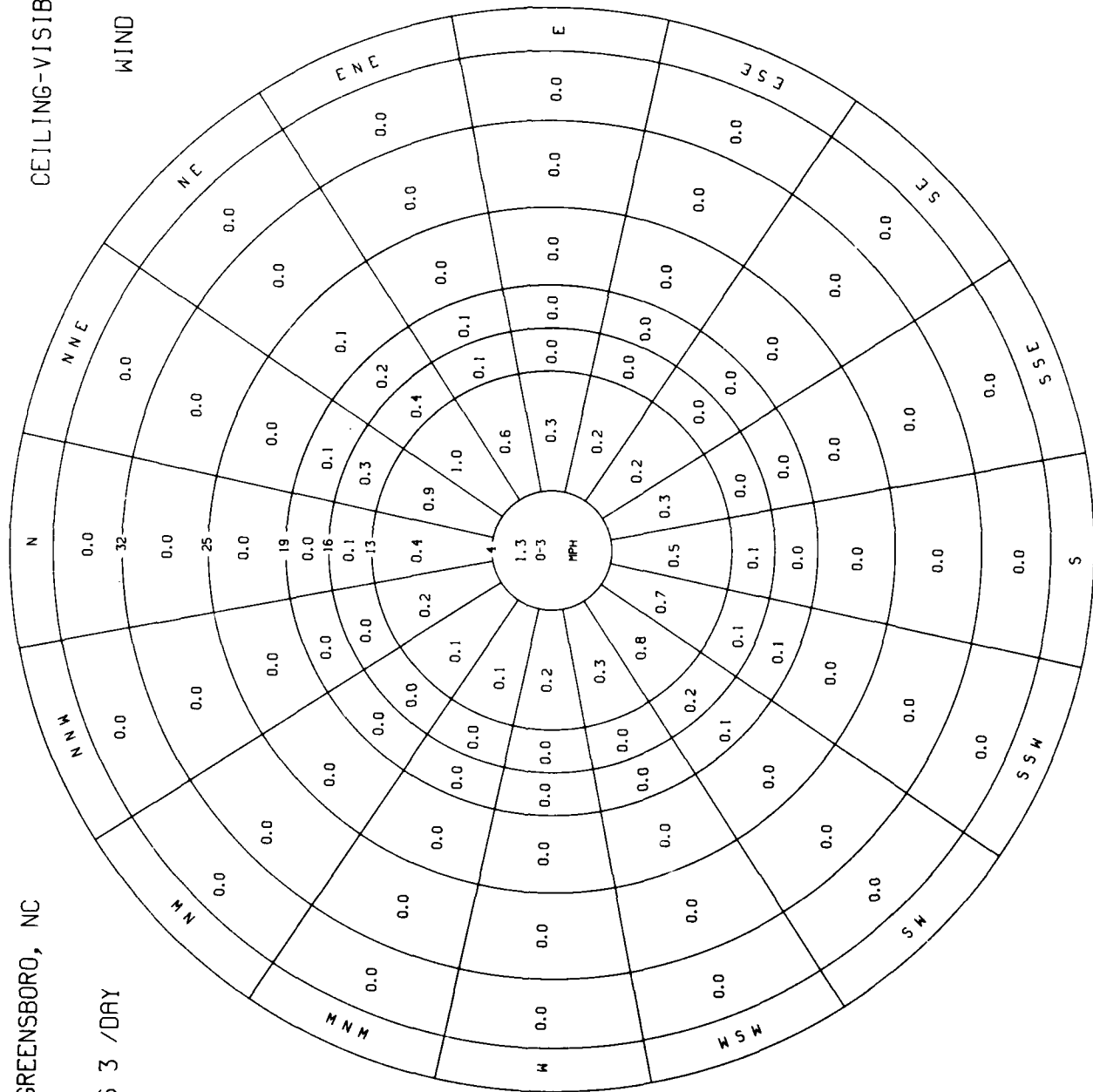
STATION NUMBER: 13723

NO. OBS.: 6076

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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   | .7   | 4.5  | .1    | .4   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .9    | 6.0  | 7.5  |
| NNE         | .2                 | 1.0  | 1.4  | 9.0  | .3    | 2.3  | .1    | .8  | .0    | .2  | .0    | .1 | .0  | .0 | .0                   | 2.0   | 13.4 | 9.6  |
| NE          | .2                 | 1.3  | 1.6  | 10.5 | .4    | 2.8  | .2    | 1.6 | .1    | .9  | .0    | .1 | .0  | .0 | .0                   | 2.6   | 17.2 | 10.5 |
| ENE         | .1                 | .8   | .7   | 4.5  | .1    | .9   | .1    | .7  | .0    | .3  | .0    | .1 | .0  | .0 | .0                   | 1.1   | 7.3  | 9.8  |
| E           | .1                 | .8   | .4   | 2.6  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .6    | 3.7  | 6.9  |
| ESE         | .1                 | .4   | .2   | 1.1  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .2    | 1.6  | 6.5  |
| SE          | .0                 | .3   | .2   | 1.4  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 2.0  | 8.1  |
| SSE         | .0                 | .3   | .4   | 2.3  | .1    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .5    | 3.2  | 8.5  |
| S           | .1                 | .9   | .8   | 5.3  | .1    | .4   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.1   | 7.2  | 8.0  |
| SSW         | .1                 | .9   | 1.0  | 6.3  | .1    | .8   | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 1.3   | 8.5  | 8.3  |
| SW          | .3                 | 1.9  | 1.1  | 7.0  | .1    | .8   | .1    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .0                   | 1.6   | 10.3 | 8.1  |
| WSW         | .1                 | .7   | .6   | 3.9  | .1    | .4   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .8    | 5.0  | 7.6  |
| W           | .1                 | .9   | .4   | 2.6  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .5    | 3.5  | 5.8  |
| WNW         | .1                 | .3   | .1   | .6   | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .2    | 1.0  | 6.0  |
| NW          | .1                 | .7   | .1   | .9   | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 1.8  | 6.4  |
| NNW         | .1                 | .6   | .3   | 1.9  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .4    | 2.7  | 6.9  |
| CALM        | .9                 | 5.7  |      |      |       |      |       |     |       |     |       |    |     |    |                      | .9    | 5.7  |      |
| TOTAL       | 2.8                | 18.4 | 9.7  | 64.3 | 1.5   | 10.0 | .7    | 4.9 | .3    | 2.0 | .1    | .4 | .0  | .0 | .0                   | 15.1  | 100  | 8.1  |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 13723

NO. OBS.: 4999

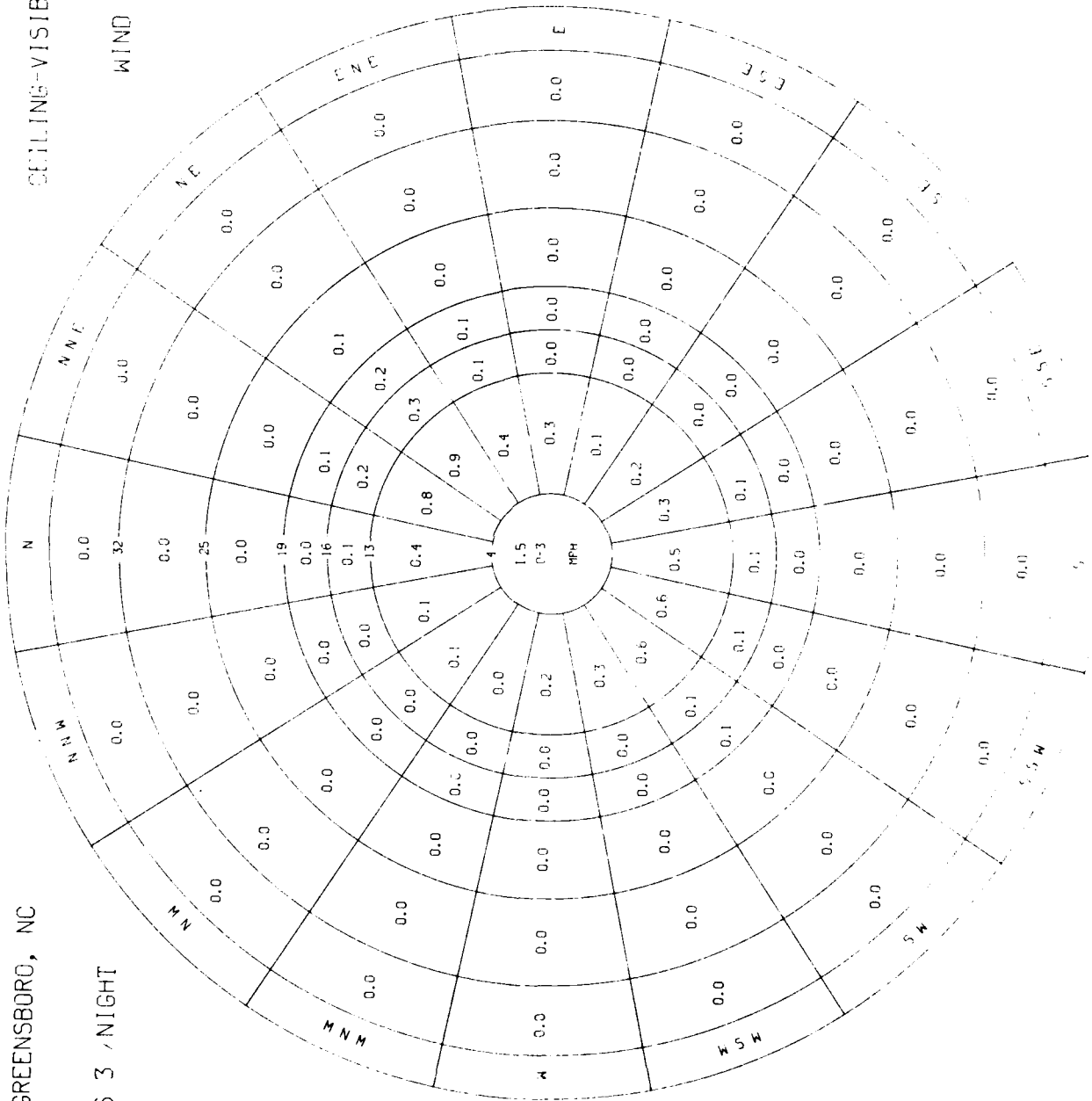
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C    |
| N           | .1                 | .6   | .4   | 4.2  | .1    | .6   | .0    | .3  | .0    | .1  | .0    | .1 | .0  | .0 | .6                   | 5.9   | 8.7  |
| NNE         | .1                 | .7   | .9   | 8.5  | .3    | 2.7  | .1    | 1.4 | .0    | .4  | .0    | .1 | .0  | .0 | 1.5                  | 13.9  | 10.9 |
| NE          | .1                 | .8   | 1.0  | 9.8  | .4    | 3.4  | .2    | 2.3 | .1    | .8  | .0    | .2 | .0  | .0 | 1.8                  | 17.2  | 11.4 |
| ENE         | .1                 | .5   | .6   | 5.4  | .1    | 1.2  | .1    | .7  | .0    | .3  | .0    | .1 | .0  | .0 | .9                   | 8.3   | 10.4 |
| E           | .1                 | .6   | .3   | 3.0  | .0    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 4.2   | 7.8  |
| ESE         | .0                 | .4   | .2   | 1.7  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | 2.4   | 7.2  |
| SE          | .0                 | .5   | .2   | 1.7  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3                   | 2.5   | 8.4  |
| SSE         | .0                 | .3   | .3   | 2.6  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 3.4   | 8.4  |
| S           | .1                 | 1.0  | .5   | 5.1  | .1    | .9   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .8                   | 7.5   | 8.6  |
| SSW         | .1                 | .8   | .7   | 7.1  | .1    | 1.0  | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | 1.0                  | 9.5   | 9.0  |
| SW          | .1                 | .7   | .8   | 7.3  | .2    | 1.4  | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | 1.1                  | 10.0  | 9.3  |
| WSW         | .1                 | .6   | .3   | 3.3  | .0    | .5   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .5                   | 4.5   | 8.6  |
| W           | .1                 | .7   | .2   | 2.1  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | 2.9   | 7.1  |
| WNW         | .0                 | .3   | .1   | .6   | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1                   | 1.1   | 6.6  |
| NW          | .0                 | .3   | .1   | 1.0  | .0    | .1   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2                   | 1.5   | 8.0  |
| NNW         | .0                 | .3   | .2   | 1.7  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3                   | 2.4   | 8.3  |
| CALM        | .3                 | 2.8  |      |      |       |      |       |     |       |     |       |    |     |    | .3                   | 2.8   |      |
| TOTAL       | 1.3                | 11.9 | 6.8  | 64.9 | 1.4   | 13.1 | .7    | 7.0 | .2    | 2.3 | .1    | .6 | .0  | .1 | 10.5                 | 100   | 9.3  |

GSO GREENSBORO, NC

CLASS 3 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 3 / NIGHT

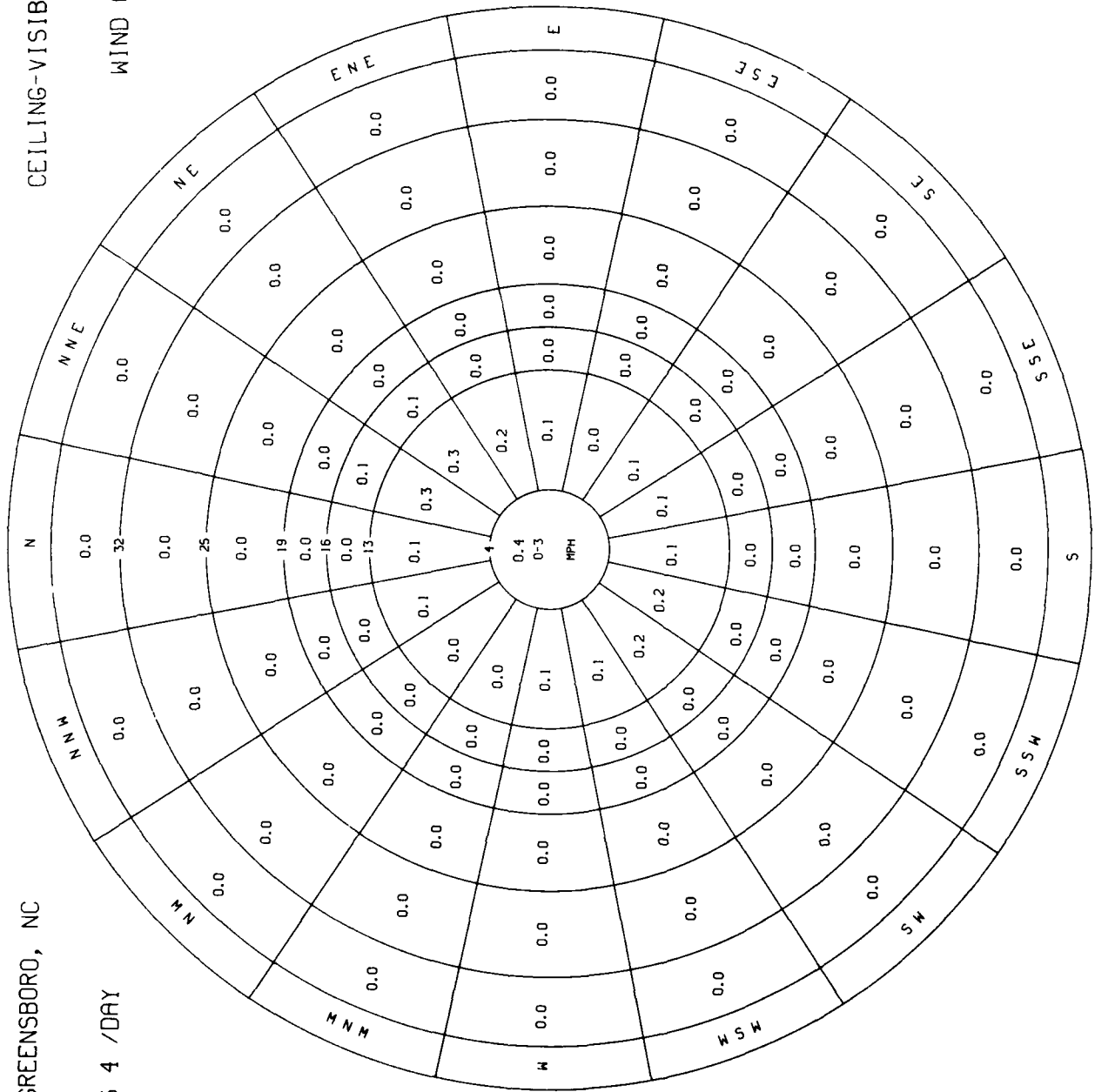
STATION NUMBER: 13723

NO. OBS.: 3704

| D<br>I<br>R | SPEED GROUPS (MPH) |      |  |      |      |  |       |     |  |       |     |  |       |     |  | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|--|------|------|--|-------|-----|--|-------|-----|--|-------|-----|--|----------------------|
|             | 0-3                |      |  | 4-12 |      |  | 13-15 |     |  | 16-18 |     |  | 19-24 |     |  | TOTAL                |
|             | A                  | B    |  | A    | B    |  | A     | B   |  | A     | B   |  | A     | B   |  |                      |
| N           | .1                 | .6   |  | .4   | 4.3  |  | .1    | .7  |  | .0    | .2  |  | .0    | .0  |  | .5 5.9               |
| NNE         | .1                 | .9   |  | .8   | 8.3  |  | .2    | 2.7 |  | .1    | 1.2 |  | .0    | .2  |  | 1.2 13.4             |
| NE          | .1                 | 1.2  |  | .9   | 9.7  |  | .3    | 3.3 |  | .2    | 2.1 |  | .1    | 1.2 |  | 1.6 17.5             |
| ENE         | .1                 | .6   |  | .4   | 4.3  |  | .1    | 1.3 |  | .1    | .9  |  | .0    | .4  |  | .7 7.5               |
| E           | .1                 | .9   |  | .3   | 2.8  |  | .0    | .2  |  | .0    | .1  |  | .0    | .0  |  | .4 4.0               |
| ESE         | .0                 | .4   |  | .1   | 1.2  |  | .0    | .1  |  | .0    | .0  |  | .0    | .0  |  | .2 1.8               |
| SE          | .0                 | .2   |  | .2   | 1.6  |  | .0    | .2  |  | .0    | .1  |  | .0    | .0  |  | .2 2.3               |
| SSE         | .0                 | .2   |  | .3   | 2.8  |  | .1    | .7  |  | .0    | .1  |  | .0    | .0  |  | .4 4.0               |
| S           | .1                 | .8   |  | .5   | 5.6  |  | .1    | .6  |  | .0    | .5  |  | .0    | .2  |  | .7 7.7               |
| SSW         | .1                 | .8   |  | .6   | 6.4  |  | .1    | 1.2 |  | .0    | .5  |  | .0    | .1  |  | .8 8.9               |
| SW          | .2                 | 1.7  |  | .6   | 6.3  |  | .1    | 1.2 |  | .1    | .6  |  | .0    | .3  |  | .9 10.3              |
| WSW         | .0                 | .5   |  | .3   | 2.9  |  | .0    | .5  |  | .0    | .1  |  | .0    | .0  |  | .4 4.1               |
| W           | .1                 | .6   |  | .2   | 2.1  |  | .0    | .0  |  | .0    | .0  |  | .0    | .0  |  | .2 2.7               |
| WNW         | .0                 | .3   |  | .0   | .5   |  | .0    | .1  |  | .0    | .0  |  | .0    | .0  |  | .1 .9                |
| NW          | .0                 | .4   |  | .1   | .6   |  | .0    | .1  |  | .0    | .2  |  | .0    | .0  |  | .1 1.5               |
| NNW         | .0                 | .5   |  | .1   | 1.6  |  | .0    | .2  |  | .0    | .1  |  | .0    | .0  |  | .2 2.3               |
| CALM        | .6                 | 5.2  |  |      |      |  |       |     |  |       |     |  |       |     |  | .5 5.2               |
| TOTAL       | 5.6                | 61.1 |  | 1.2  | 13.1 |  | .6    | 6.6 |  | .3    | 2.7 |  | .1    | .6  |  | 9.2 100              |
|             |                    |      |  |      |      |  |       |     |  |       |     |  |       |     |  | 8.8                  |

GSO GREENSBORO, NC

CLASS 4 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 4 / DAY

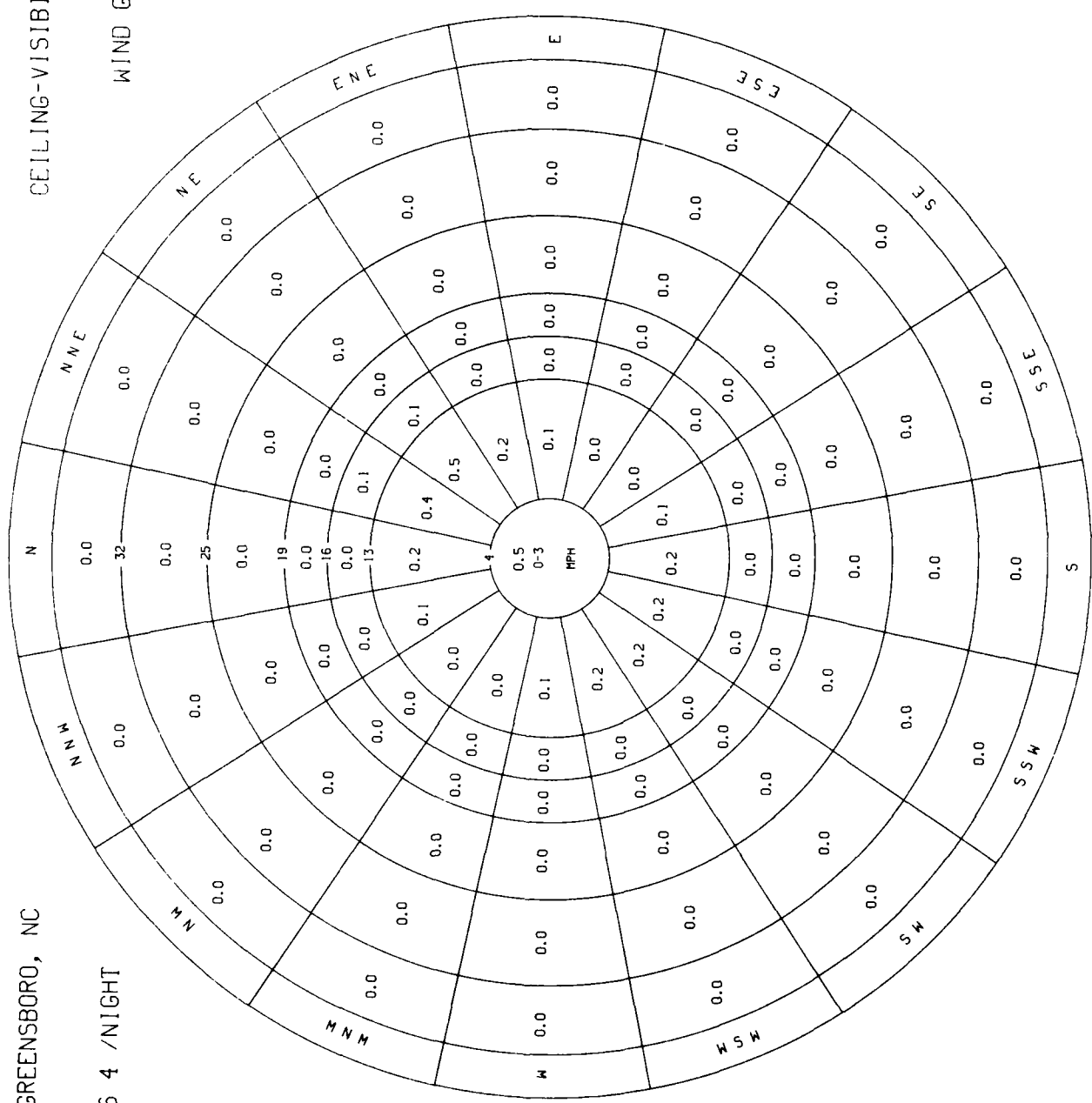
STATION NUMBER: 13723

NO. OBS.: 1273

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | 1.0  | .1   | 4.4  | .0    | .2  | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .2 6.0               |
| NNE         | .0                 | .8   | .3   | 11.8 | .1    | 2.0 | .0    | .6  | .0    | .0  | .0    | .0 | .0  | .0 | .4 15.2              |
| NE          | .0                 | 1.3  | .3   | 12.4 | .1    | 2.9 | .0    | 1.5 | .0    | .8  | .0    | .0 | .0  | .0 | .5 18.9              |
| ENE         | .0                 | .4   | .2   | 5.9  | .0    | .8  | .0    | .5  | .0    | .2  | .0    | .1 | .0  | .0 | .2 7.8               |
| E           | .0                 | 1.0  | .1   | 2.4  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 3.5               |
| ESE         | .0                 | .5   | .0   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 1.8               |
| SE          | .0                 | .2   | .1   | 2.3  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 2.5               |
| SSE         | .0                 | .9   | .1   | 2.9  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 4.0               |
| S           | .0                 | 1.1  | .1   | 5.0  | .0    | .3  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .2 6.5               |
| SSW         | .0                 | 1.0  | .2   | 6.4  | .0    | .2  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .2 7.8               |
| SW          | .0                 | .7   | .2   | 6.3  | .0    | .7  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .2 7.8               |
| WSW         | .0                 | .7   | .1   | 4.6  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 5.4               |
| W           | .0                 | .6   | .1   | 2.1  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 2.9               |
| WNW         | .0                 | .3   | .0   | .7   | .0    | .0  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .0 1.1               |
| NW          | .0                 | .6   | .0   | .9   | .0    | .2  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .1 1.9               |
| NNW         | .0                 | .5   | .1   | 2.0  | .0    | .3  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .1 2.9               |
| CALM        | .1                 | 3.8  |      |      |       |     |       |     |       |     |       |    |     |    | .1 3.8               |
| TOTAL       | .4                 | 15.6 | 1.9  | 71.3 | .2    | 8.1 | .1    | 3.4 | .0    | 1.5 | .0    | .1 | .0  | .0 | 2.7 100              |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 8.0                  |

CEILING-VISIBILITY

WIND GRAPH



GSO GREENSBORO, NC

CLASS 4 / NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 13723

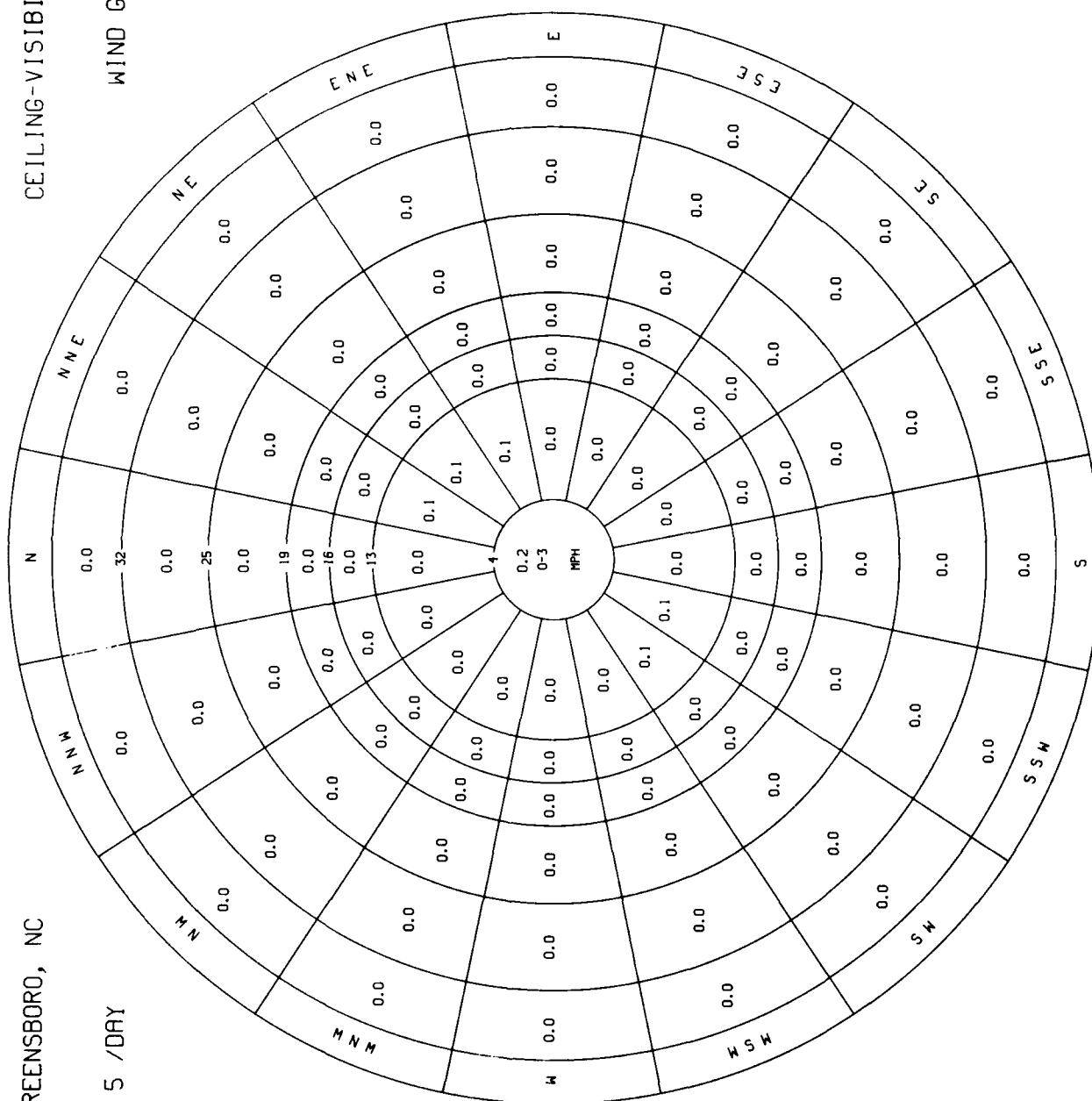
NO. OBS.: 1409

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | .2   | 5.6  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 6.7                  | 7.0  |
| NNE         | .0                 | .9   | .4   | 11.4 | .1    | 2.1 | .0    | .3  | .0    | .4  | .0    | .0 | .0  | .0 | .5    | 15.0                 | 9.3  |
| NE          | .0                 | 1.1  | .5   | 13.5 | .1    | 3.1 | .0    | 1.4 | .0    | .6  | .0    | .0 | .0  | .0 | .7    | 19.6                 | 10.2 |
| ENE         | .0                 | .9   | .2   | 5.8  | .0    | .3  | .0    | .7  | .0    | .1  | .0    | .1 | .0  | .0 | .3    | 7.9                  | 8.7  |
| E           | .0                 | .6   | .1   | 2.5  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 3.3                  | 6.7  |
| ESE         | .0                 | .4   | .0   | 1.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | 1.3                  | 5.5  |
| SE          | .0                 | .2   | .0   | 1.1  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.5                  | 7.3  |
| SSE         | .0                 | .7   | .1   | 2.2  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 3.0                  | 6.4  |
| S           | .0                 | 1.1  | .2   | 5.0  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 6.3                  | 6.4  |
| SSW         | .0                 | .8   | .2   | 6.3  | .0    | .3  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 7.6                  | 7.3  |
| SW          | .0                 | 1.3  | .2   | 6.2  | .0    | .3  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 7.7                  | 6.8  |
| WSW         | .0                 | .6   | .2   | 4.6  | .0    | .5  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 5.7                  | 7.6  |
| W           | .0                 | 1.0  | .1   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 3.8                  | 5.6  |
| WNW         | .0                 | .3   | .0   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .9                   | 6.3  |
| NW          | .0                 | .6   | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.8                  | 5.4  |
| NNW         | .0                 | .4   | .1   | 3.3  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 3.7                  | 6.8  |
| CALM        | .1                 | 4.1  |      |      |       |     |       |     |       |     |       |    |     |    | .1    | 4.1                  |      |
| TOTAL       | .5                 | 15.5 | 2.6  | 73.1 | .3    | 7.2 | .1    | 2.8 | .0    | 1.3 | .0    | .1 | .0  | .0 | 3.5   | 100                  | 7.7  |

GSO GREENSBORO, NC

## WIND GRAPH

CLASS 5 / DAY



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 13723

NO. OBS.: 336

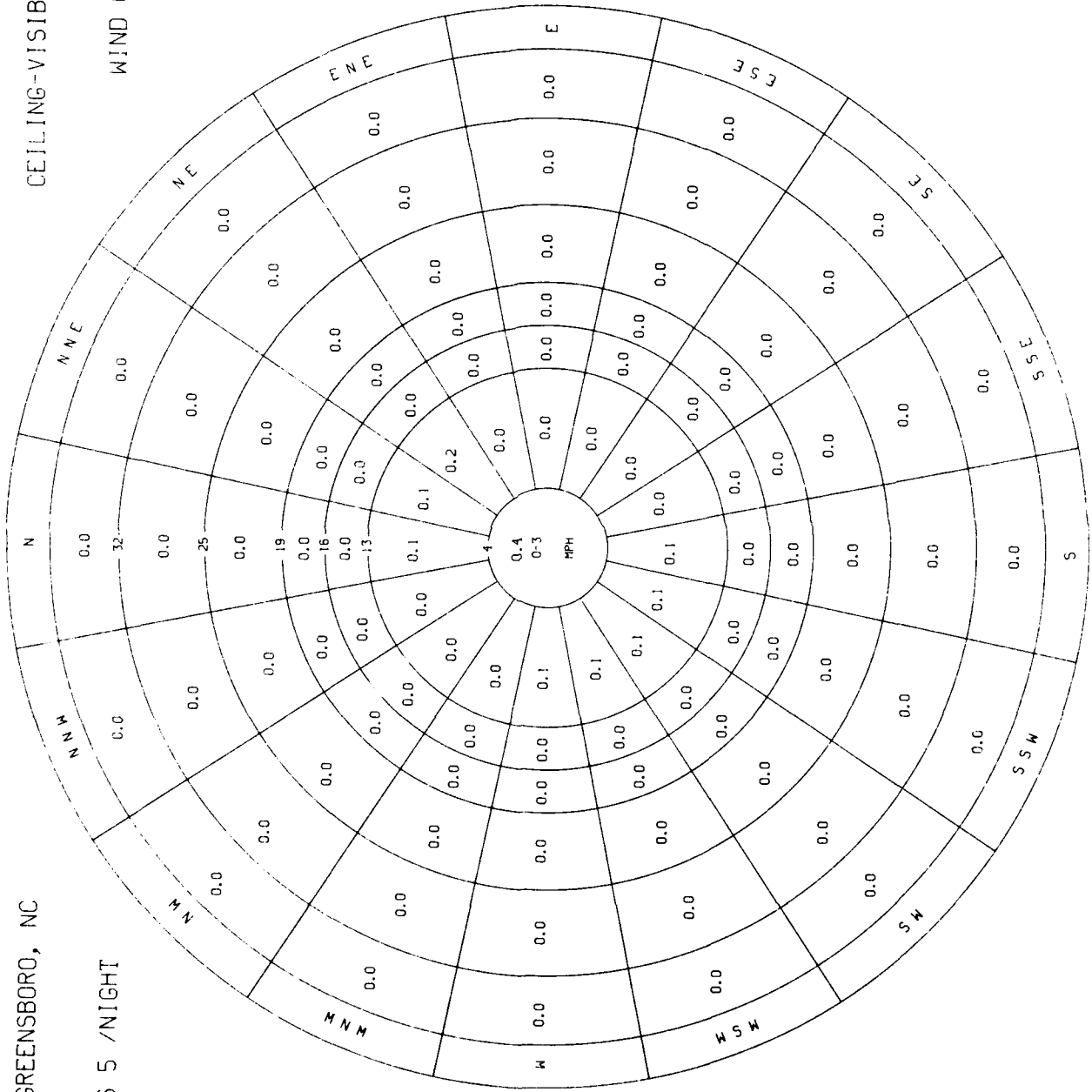
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |   |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|---|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 3.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.8   |   |
| NNE         | .0                 | 2.1  | .1   | 7.4  | .0    | 2.1 | .0    | .6  | .0    | .3 | .0    | .0 | .0  | .0 | .1                   | 12.5  |   |
| NE          | .0                 | 2.4  | .1   | 10.1 | .0    | 1.5 | .0    | .6  | .0    | .6 | .0    | .0 | .0  | .0 | .1                   | 15.2  |   |
| ENE         | .0                 | .9   | .1   | 8.0  | .0    | .6  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 9.5   |   |
| E           | .0                 | .6   | .0   | 3.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.2   |   |
| ESE         | .0                 | .3   | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   |   |
| SE          | .0                 | .9   | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.8   |   |
| SSE         | .0                 | .0   | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   |   |
| S           | .0                 | 1.8  | .0   | 6.5  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 8.6   |   |
| SSW         | .0                 | .9   | .1   | 9.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 10.7  |   |
| SW          | .0                 | 1.8  | .1   | 9.2  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 11.3  |   |
| WSW         | .0                 | .0   | .0   | 3.6  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.9   |   |
| W           | .0                 | 3.6  | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.4   |   |
| WNW         | .0                 | .3   | .0   | .6   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .9    |   |
| NW          | .0                 | .3   | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.1   |   |
| NNW         | .0                 | .6   | .0   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.1   |   |
| CALM        | .0                 | 4.8  |      |      |       |     |       |     |       |    |       |    |     |    | .0                   | 4.8   |   |
| TOTAL       | .2                 | 22.6 | .5   | 70.2 | .0    | 5.1 | .0    | 1.2 | .0    | .9 | .0    | .0 | .0  | .0 | .7                   | 100   |   |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |                      | 6.7   |   |

GSO GREENSBORO, NC

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSO GREENSBORO, NC

PERIOD: 1949-1978

CLASS 5 / NIGHT

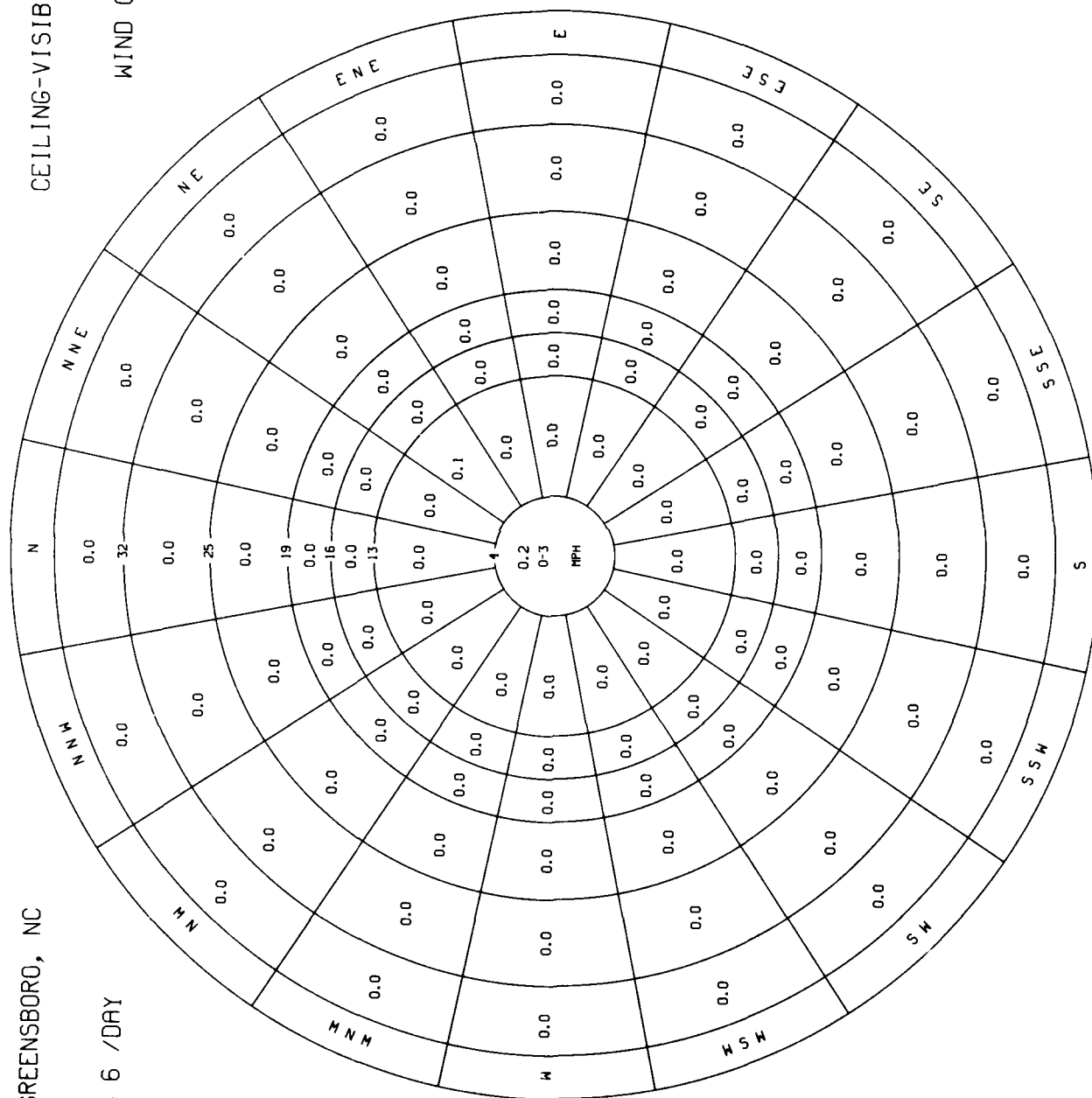
STATION NUMBER: 13723

NO. OBS.: 585

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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  | .1   | 3.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 6.3  | 5.1 |
| NNE         | .0                 | 1.0  | .1   | 9.2  | .0    | 1.4 | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 11.8 | 8.1 |
| NE          | .0                 | 1.0  | .2   | 11.1 | .0    | .9  | .0    | .5  | .0    | .2 | .0    | .0 | .0  | .0 | .0                   | .2    | 13.7 | 8.7 |
| ENE         | .0                 | 1.7  | .0   | 3.4  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.3  | 6.5 |
| E           | .0                 | .9   | .0   | 2.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.4  | 6.3 |
| ESE         | .0                 | .2   | .0   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .7   | 5.7 |
| SE          | .0                 | .3   | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.2  | 6.2 |
| SSE         | .0                 | .0   | .0   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .5   | 7.7 |
| S           | .0                 | .7   | .1   | 4.8  | .0    | .2  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.8  | 6.7 |
| SSW         | .0                 | 1.0  | .1   | 7.5  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 8.9  | 7.2 |
| SW          | .0                 | 2.7  | .1   | 9.2  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 12.3 | 6.6 |
| WSW         | .0                 | 1.0  | .1   | 5.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 6.5  | 6.8 |
| W           | .0                 | 2.2  | .1   | 4.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 6.7  | 5.4 |
| WNW         | .0                 | .3   | .0   | .9   | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.4  | 5.6 |
| NW          | .0                 | 1.9  | .0   | 1.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.6  | 4.4 |
| NNW         | .0                 | 1.4  | .0   | 1.7  | .0    | .0  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.2  | 5.4 |
| CALM        | .1                 | 8.7  |      |      |       |     |       |     |       |    |       |    |     |    |                      | .1    | 8.7  |     |
| TOTAL       | .4                 | 27.5 | 1.0  | 67.9 | .0    | 3.1 | .0    | 1.4 | .0    | .2 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 100  | 6.2 |

GSO GREENSBORO, NC

CLASS 6 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GSO GREENSBORO, NC

NO. OBS.: 257

CLASS 6 / DAY

STATION NUMBER: 13723

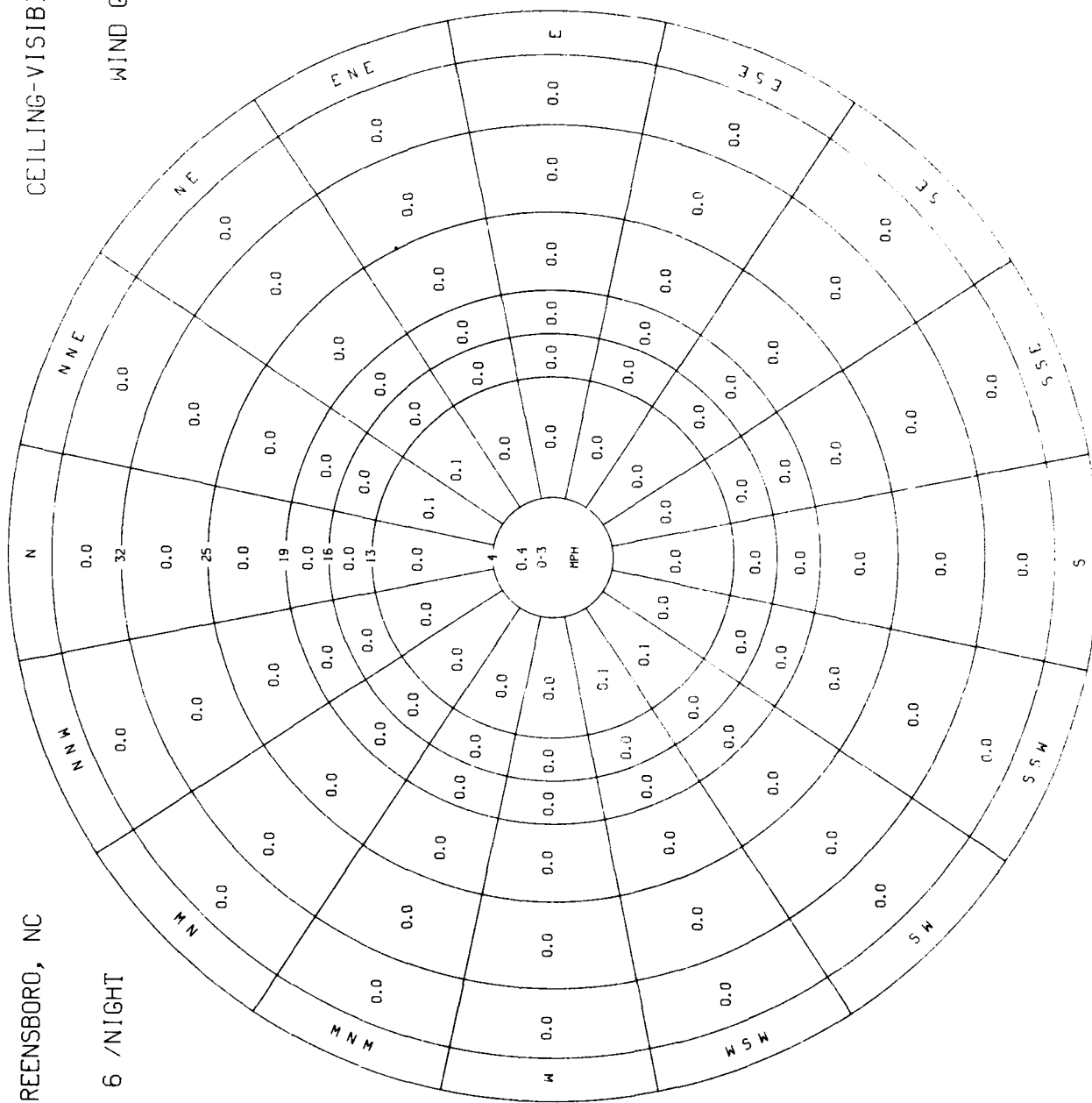
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 3.1  | .0   | 3.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.0               |
| NNE         | .0                 | 1.9  | .0   | 5.8  | .0    | .4  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0 8.6               |
| NNE         | .0                 | 3.1  | .1   | 11.3 | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 14.8              |
| ENE         | .0                 | 1.6  | .0   | 8.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 10.1              |
| E           | .0                 | 1.9  | .0   | 2.3  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.7               |
| ESE         | .0                 | .4   | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| SE          | .0                 | .8   | .0   | .8   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| SSE         | .0                 | .8   | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.9               |
| S           | .0                 | 1.6  | .0   | 2.7  | .0    | .4  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.1               |
| SSW         | .0                 | 3.1  | .0   | 2.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.8               |
| SW          | .0                 | 3.9  | .0   | 4.7  | .0    | .0  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0 8.9               |
| WSW         | .0                 | 1.2  | .0   | 5.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.0               |
| W           | .0                 | 2.3  | .0   | 3.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.8               |
| WNW         | .0                 | 1.2  | .0   | .4   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| NW          | .0                 | .4   | .0   | .8   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.2               |
| NNW         | .0                 | 1.6  | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.7               |
| CALM        | .1                 | 11.7 |      |      |       |     |       |     |       |    |       |    |     |    | .1 11.7              |
| TOTAL       | .2                 | 40.5 | .3   | 56.8 | .0    | 1.6 | .0    | 1.2 | .0    | .0 | .0    | .0 | .0  | .0 | .5 100               |

CEILING-VISIBILITY

WIND GRAPH

GSO GREENSBORO, NC

CLASS 6 /NIGHT





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1949-1978

STATION NAME: GSO GREENSBORO, NC

CLASS 6 / NIGHT

NO. OBS.: 378

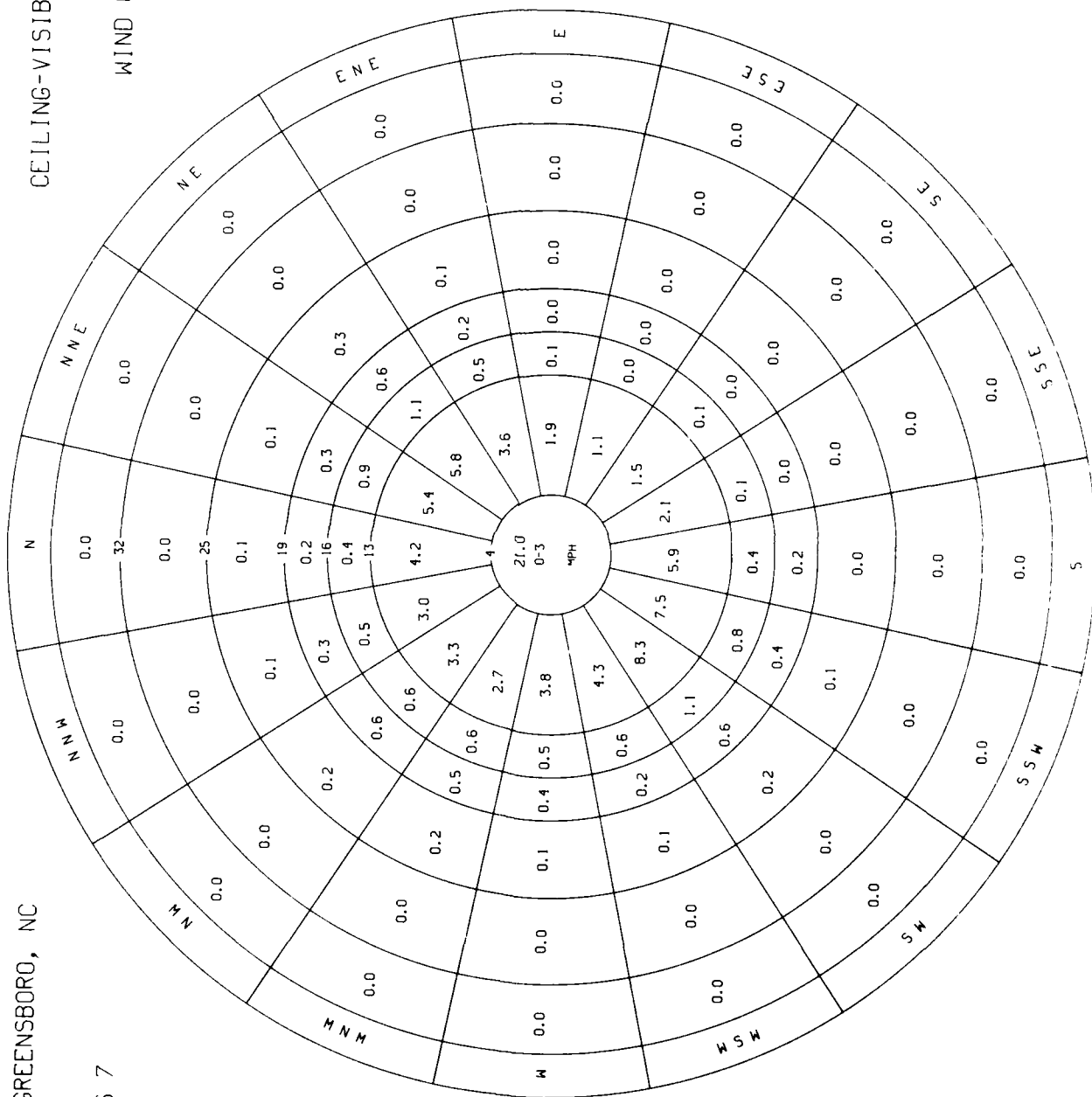
STATION NUMBER: 13723

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.3  | .0   | 2.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.7               |
| NNE         | .0                 | 2.6  | .1   | 6.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 9.3               |
| NNE         | .0                 | 3.2  | .1   | 6.9  | .0    | .0 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .1 10.3              |
| ENE         | .0                 | 1.3  | .0   | 3.2  | .0    | .3 | .0    | .3 | .0    | .3 | .0    | .0 | .0  | .0 | .0 5.3               |
| E           | .0                 | 1.1  | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.4               |
| ESE         | .0                 | .5   | .0   | 1.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| SE          | .0                 | .8   | .0   | 1.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.9               |
| SSE         | .0                 | .0   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .8                |
| S           | .0                 | 2.1  | .0   | 4.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.9               |
| SSW         | .0                 | 2.6  | .0   | 4.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.9               |
| SW          | .0                 | 4.8  | .1   | 12.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .2 17.2              |
| WSW         | .0                 | 2.1  | .1   | 7.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 9.8               |
| W           | .0                 | 1.9  | .0   | 3.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.0               |
| WNW         | .0                 | 1.1  | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.4               |
| NW          | .0                 | 2.1  | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.9               |
| NNW         | .0                 | 1.6  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| CALM        | .1                 | 12.2 |      |      |       |    |       |    |       |    |       |    |     |    | .1 12.2              |
| TOTAL       | 4                  | 41.3 | 5    | 57.7 | .0    | .3 | .0    | .5 | .0    | .3 | .0    | .0 | .0  | .0 | .9 100               |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 4.9                  |

CEILING-VISIBILITY  
WIND GRAPH

GSO GREENSBORO, NC

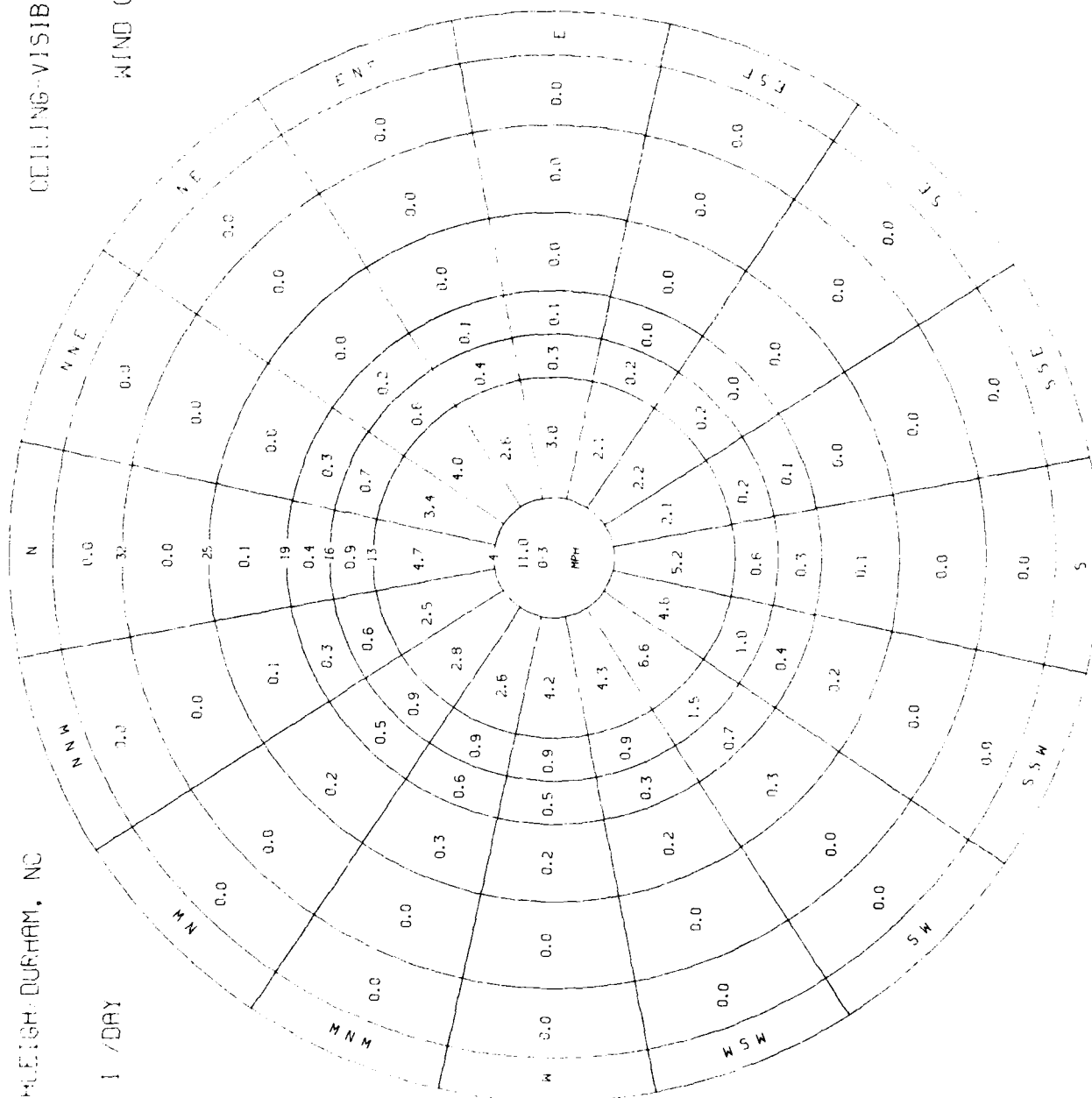
CLASS 7



# CEILING-VISIBILITY

CLASS 1 / DAY

# WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ROU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 1 / DAY

STATION NUMBER: 13722

NO. OBS.: 41547

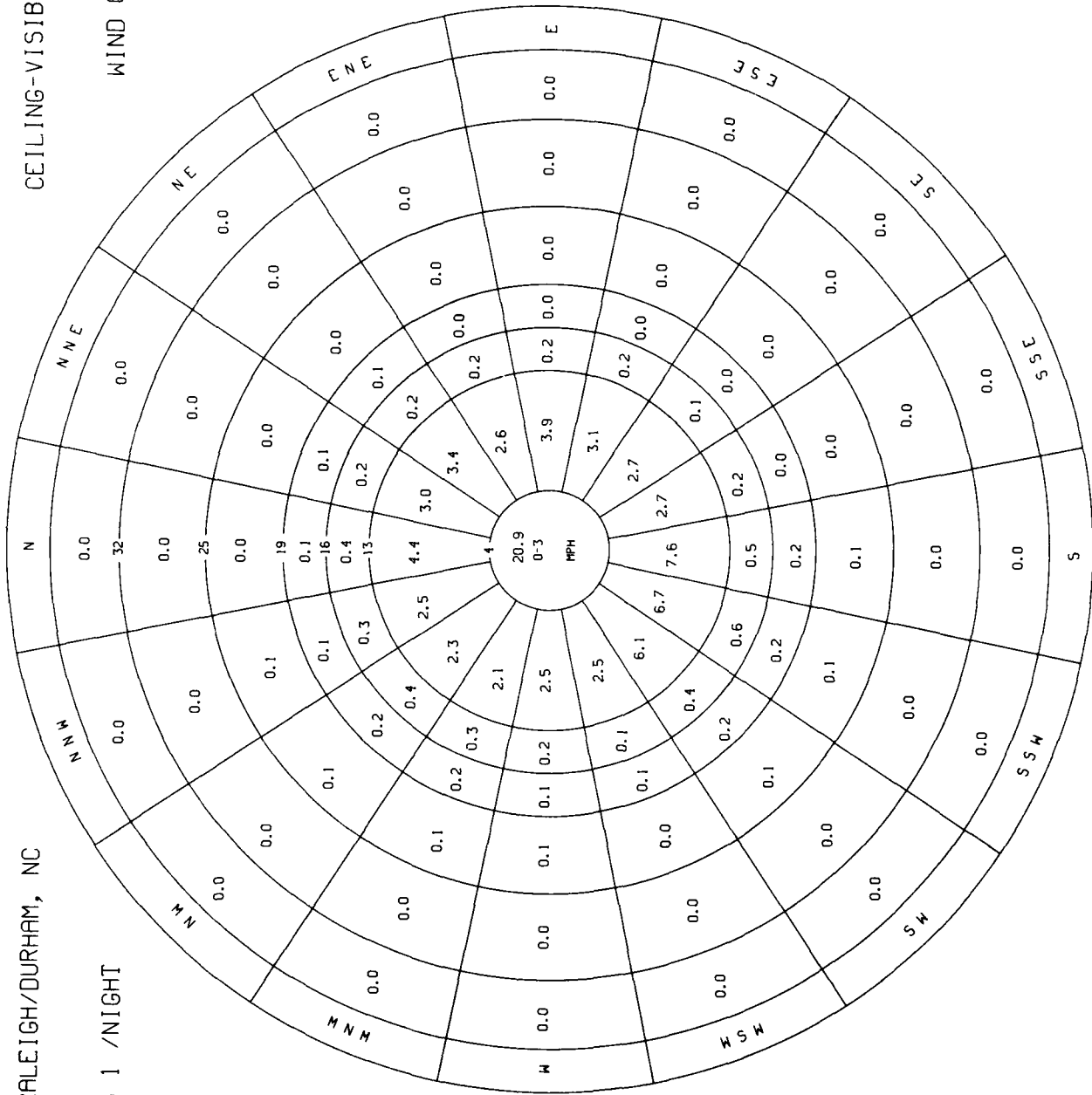
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C    | D    |
| N           | .5                 | .6   | 4.7  | 5.5  | .9    | 1.1  | .4    | .5  | .1    | .2  | .0    | .0 | .0  | .0 | .0                   | 6.7   | 7.8  | 9.4  |
| NNE         | .3                 | .4   | 3.4  | 3.9  | .7    | .8   | .3    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 4.7   | 5.5  | 9.3  |
| NE          | .5                 | .5   | 4.0  | 4.7  | .6    | .7   | .2    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 5.4   | 6.3  | 8.8  |
| ENE         | .2                 | .2   | 2.6  | 3.0  | .4    | .5   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 3.3   | 3.8  | 8.7  |
| E           | .3                 | .4   | 3.0  | 3.5  | .3    | .4   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 3.7   | 4.3  | 8.1  |
| ESE         | .2                 | .3   | 2.1  | 2.5  | .2    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.5   | 3.0  | 7.8  |
| SE          | .3                 | .3   | 2.2  | 2.5  | .2    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.7   | 3.1  | 7.7  |
| SSE         | .2                 | .3   | 2.1  | 2.5  | .2    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.7   | 3.2  | 8.2  |
| S           | .1                 | .4   | 5.2  | 6.1  | .6    | .7   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 6.6   | 7.7  | 8.7  |
| SSW         | .3                 | .4   | 4.6  | 5.4  | 1.0   | 1.1  | .4    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | .0                   | 6.5   | 7.6  | 9.6  |
| SW          | .5                 | .6   | 6.6  | 7.6  | 1.5   | 1.8  | .7    | .9  | .3    | .4  | .0    | .1 | .0  | .0 | .0                   | 9.7   | 11.3 | 10.1 |
| WSW         | .4                 | .4   | 4.3  | 5.0  | .9    | 1.0  | .3    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | .0                   | 6.1   | 7.1  | 9.7  |
| W           | .5                 | .6   | 4.2  | 4.9  | .9    | 1.1  | .5    | .6  | .2    | .3  | .0    | .0 | .0  | .0 | .0                   | 6.4   | 7.5  | 9.9  |
| WNW         | .2                 | .3   | 2.6  | 3.0  | .9    | 1.0  | .6    | .7  | .3    | .3  | .0    | .0 | .0  | .0 | .0                   | 4.7   | 5.4  | 11.2 |
| NW          | .3                 | .4   | 2.8  | 3.3  | .9    | 1.0  | .5    | .6  | .2    | .3  | .0    | .0 | .0  | .0 | .0                   | 4.8   | 5.6  | 10.6 |
| NNW         | .3                 | .3   | 2.5  | 2.9  | .6    | .8   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 3.8   | 4.4  | 9.9  |
| CALM        | 5.5                | 6.4  |      |      |       |      |       |     |       |     |       |    |     |    |                      | 5.5   | 6.4  |      |
| TOTAL       | 11.0               | 12.8 | 56.9 | 66.3 | 10.7  | 12.7 | 5.0   | 5.8 | 1.9   | 2.2 | .2    | .3 | .0  | .0 | .0                   | 85.9  | 100  | 8.8  |

CEILING-VISIBILITY

WIND GRAPH

RDU RALEIGH/DURHAM, NC

CLASS 1 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 1 / NIGHT

STATION NUMBER: 13722

NO. OBS.: 33799

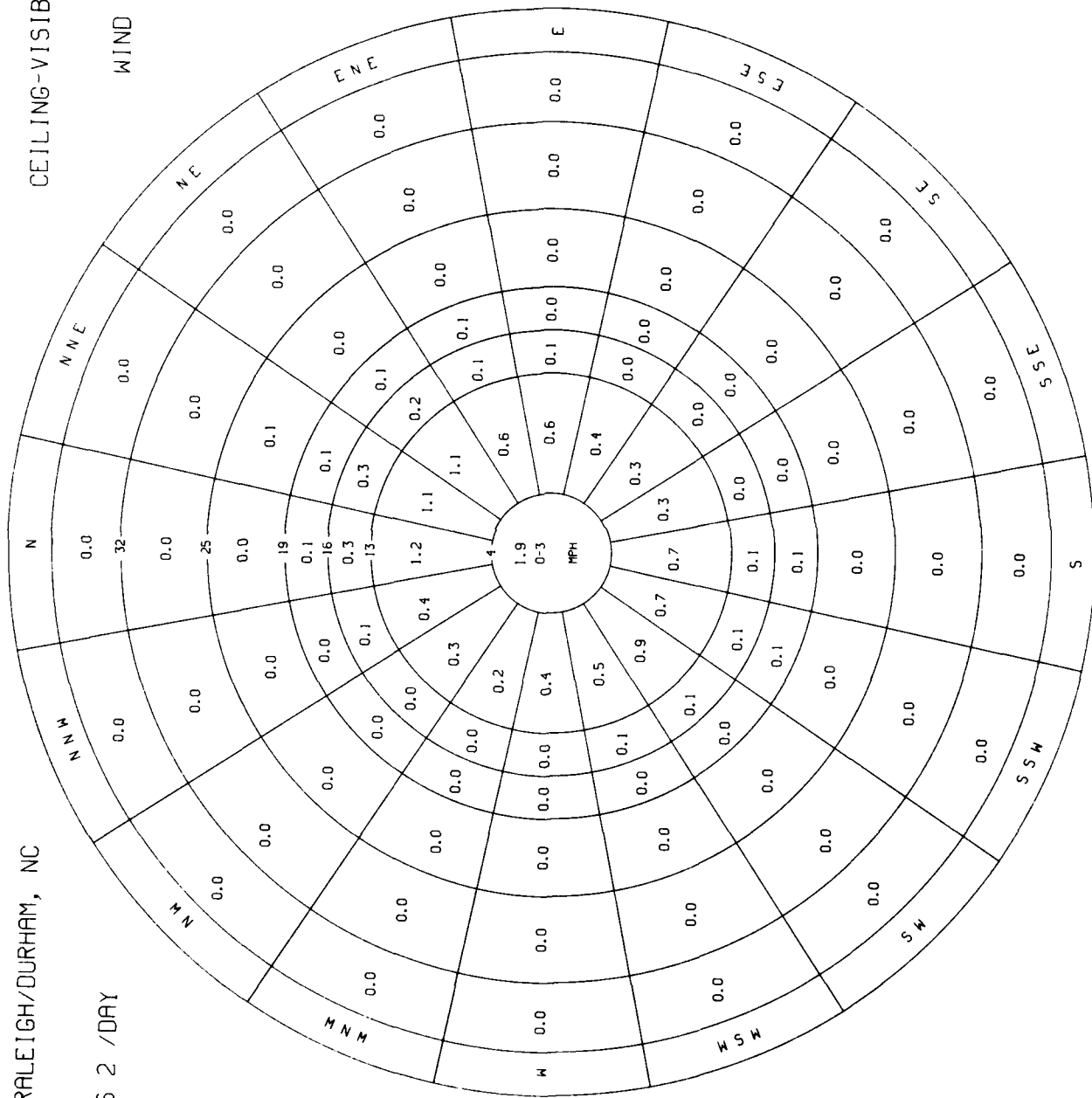
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |                      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  | C     |                      | D   |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |       |                      |     |
| N           | .7                 | .8   | 4.4  | 5.1  | .4    | .4  | .1    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | 5.7   | 6.6                  | 7.6 |
| NNE         | .7                 | .8   | 3.0  | 3.5  | .2    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 4.1   | 4.7                  | 7.2 |
| NE          | .6                 | .7   | 3.4  | 4.0  | .2    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 4.4   | 5.1                  | 7.0 |
| ENE         | .4                 | .4   | 2.6  | 3.0  | .2    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 3.2   | 3.7                  | 7.4 |
| E           | .6                 | .6   | 3.9  | 4.6  | .2    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 4.7   | 5.5                  | 7.1 |
| ESE         | .5                 | .6   | 3.1  | 3.6  | .2    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 3.8   | 4.4                  | 6.9 |
| SE          | .7                 | .8   | 2.7  | 3.1  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 3.5   | 4.1                  | 6.6 |
| SSE         | .5                 | .6   | 2.7  | 3.1  | .2    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 3.4   | 3.9                  | 7.2 |
| S           | .9                 | 1.0  | 7.6  | 8.9  | .5    | .6  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 9.3   | 10.7                 | 7.7 |
| SSW         | .7                 | .8   | 6.7  | 7.8  | .6    | .7  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 8.2   | 9.5                  | 8.0 |
| SW          | .7                 | .9   | 6.1  | 7.0  | .4    | .5  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 7.5   | 8.7                  | 7.7 |
| WSW         | .5                 | .6   | 2.5  | 2.9  | .1    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 3.2   | 3.7                  | 7.1 |
| W           | .5                 | .6   | 2.5  | 2.9  | .2    | .3  | .1    | .1  | .1    | .1 | .0    | .0 | .0  | .0 | 3.5   | 4.1                  | 7.8 |
| WNW         | .3                 | .3   | 2.1  | 2.4  | .3    | .4  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 2.9   | 3.4                  | 9.1 |
| NW          | .4                 | .5   | 2.3  | 2.7  | .4    | .4  | .2    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | 3.5   | 4.1                  | 9.1 |
| NNW         | .4                 | .4   | 2.5  | 2.9  | .3    | .4  | .1    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 3.4   | 3.9                  | 8.7 |
| CALM        | 12.0               | 13.9 |      |      |       |     |       |     |       |    |       |    |     |    | 12.0  | 13.9                 |     |
| TOTAL       | 20.9               | 24.3 | 58.2 | 67.5 | 4.5   | 5.3 | 1.8   | 2.1 | .7    | .8 | .1    | .1 | .0  | .0 | 86.2  | 100                  | 6.6 |

RDU RALEIGH/DURHAM, NC

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 2 / DAY

STATION NUMBER: 13722

NO. OBS.: 6847

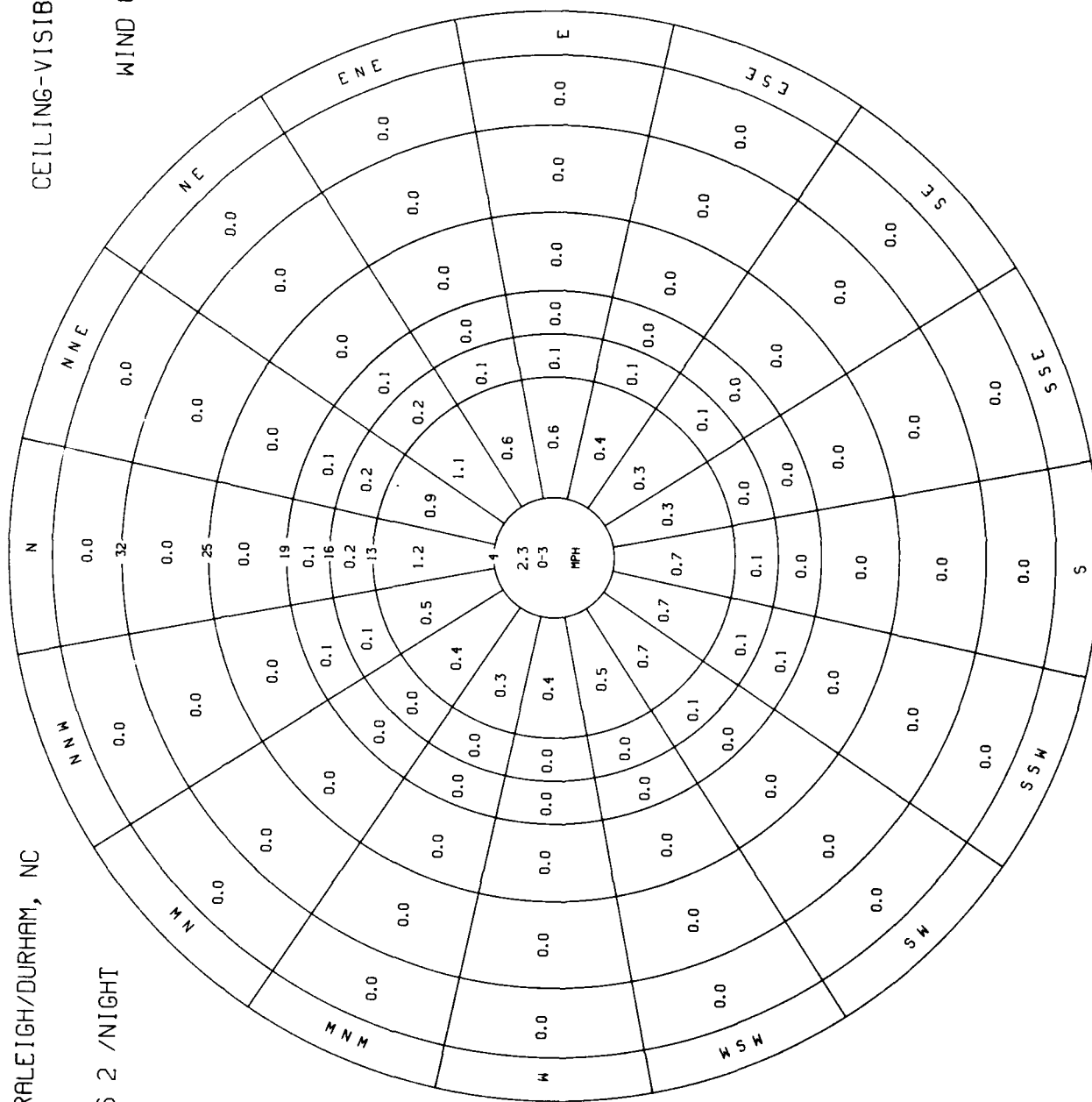
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D    |
| N           | .1                 | .6   | 1.2  | 8.2  | .3    | 1.8  | .1    | .7  | .0    | .2  | .0    | .0 | .0  | .0 | 1.6   | 11.6                 | 9.8  |
| NNE         | .1                 | .5   | 1.1  | 7.7  | .3    | 1.8  | .1    | .7  | .1    | .4  | .0    | .0 | .0  | .0 | 1.6   | 11.2                 | 10.1 |
| NE          | .1                 | .6   | 1.1  | 7.9  | .2    | 1.3  | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | 1.5   | 10.5                 | 9.3  |
| ENE         | .1                 | .5   | .6   | 4.1  | .1    | .7   | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .8    | 5.8                  | 9.0  |
| E           | .0                 | .2   | .6   | 4.0  | .1    | .6   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .7    | 5.2                  | 9.3  |
| ESE         | .0                 | .2   | .4   | 3.0  | .0    | .3   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 3.8                  | 8.7  |
| SE          | .0                 | .2   | .3   | 2.3  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.0                  | 8.8  |
| SSE         | .0                 | .1   | .3   | 1.9  | .0    | .3   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 2.7                  | 9.4  |
| S           | .1                 | .4   | .7   | 5.0  | .1    | .6   | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .9    | 6.6                  | 9.2  |
| SSW         | .1                 | .4   | .7   | 4.8  | .1    | .9   | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .9    | 6.6                  | 9.3  |
| SW          | .1                 | .4   | .9   | 6.3  | .1    | .9   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | 1.1   | 8.0                  | 9.1  |
| WSW         | .1                 | .4   | .5   | 3.5  | .1    | .5   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6    | 4.5                  | 8.6  |
| W           | .1                 | .5   | .4   | 3.2  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6    | 3.9                  | 7.6  |
| WNW         | .0                 | .2   | .2   | 1.4  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.0                  | 8.6  |
| NW          | .0                 | .2   | .3   | 2.2  | .0    | .2   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.0                  | 8.9  |
| NNW         | .0                 | .3   | .4   | 3.0  | .1    | .6   | .0    | .2  | .0    | .0  | .0    | .1 | .0  | .0 | .6    | 4.2                  | 9.2  |
| CALM        | 1.0                | 7.2  |      |      |       |      |       |     |       |     |       |    |     |    | 1.0   | 7.2                  |      |
| TOTAL       | 1.9                | 13.2 | 9.7  | 68.7 | 1.6   | 11.1 | .7    | 4.9 | .2    | 1.7 | .0    | .3 | .0  | .0 | 14.1  | 100                  | 8.6  |



RDU RALEIGH/DURHAM, NC

CLASS 2 /NIGHT

CEILING-VISIBILITY  
WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 2 / NIGHT

STATION NUMBER: 13722

NO. OBS.: 5405

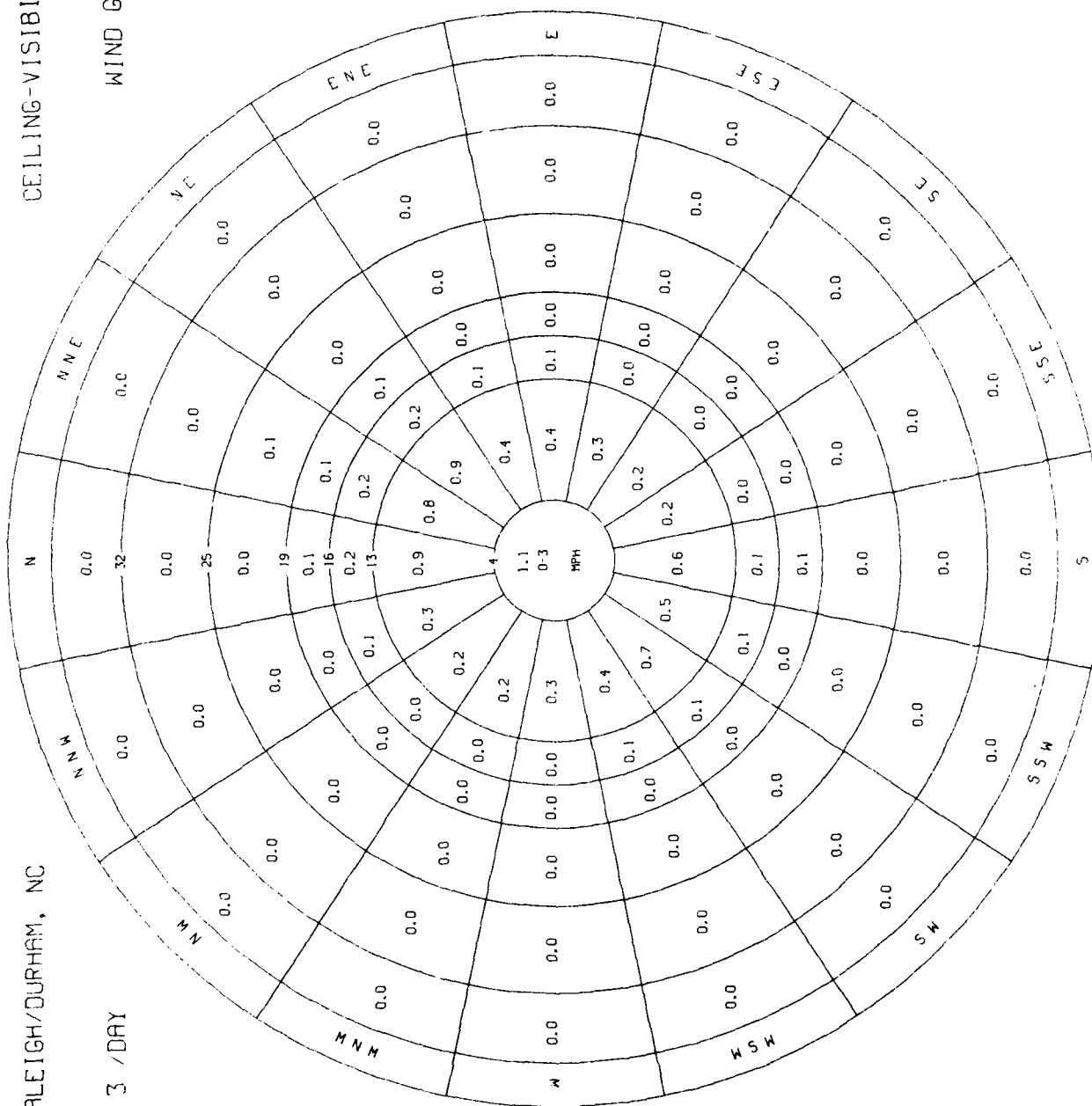
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | .8   | 1.2  | 8.8  | .2    | 1.4 | .1    | .8  | .0    | .3  | .0    | .0 | .0  | .0 | 1.7 12.2             |
| NNE         | .1                 | .7   | .9   | 6.7  | .2    | 1.3 | .1    | .5  | .0    | .3  | .0    | .0 | .0  | .0 | 1.3 9.5              |
| NE          | .1                 | .9   | 1.1  | 7.8  | .2    | 1.2 | .1    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | 1.5 10.7             |
| ENE         | .0                 | .3   | .6   | 4.2  | .1    | .6  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .8 5.5               |
| E           | .0                 | .4   | .6   | 4.0  | .1    | .5  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .7 5.1               |
| ESE         | .0                 | .3   | .4   | 2.9  | .1    | .4  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .5 3.8               |
| SE          | .1                 | .4   | .3   | 2.2  | .1    | .4  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.2               |
| SSE         | .0                 | .2   | .3   | 2.2  | .0    | .3  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .4 3.0               |
| S           | .1                 | .5   | .7   | 5.4  | .1    | .7  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | 1.0 7.1              |
| SSW         | .0                 | .3   | .7   | 4.7  | .1    | .6  | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .8 6.1               |
| SW          | .1                 | .4   | .7   | 4.8  | .1    | .6  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .9 6.2               |
| WSW         | .0                 | .4   | .5   | 3.5  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .6 4.2               |
| W           | .1                 | .5   | .4   | 2.6  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .5 3.4               |
| WNW         | .0                 | .3   | .3   | 2.0  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .4 2.6               |
| NW          | .0                 | .3   | .4   | 2.8  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5 3.3               |
| NNW         | .0                 | .3   | .5   | 3.4  | .1    | .5  | .1    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .7 4.8               |
| CALM        | 1.3                | 9.5  |      |      |       |     |       |     |       |     |       |    |     |    | 1.3 9.5              |
| TOTAL       | 2.3                | 16.4 | 9.4  | 68.1 | 1.3   | 9.3 | .6    | 4.5 | .2    | 1.6 | .0    | .2 | .0  | .0 | 13.8 100             |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 8.0                  |

CEILING-VISIBILITY

WIND GRAPH

RDU RALEIGH/DURHAM, NC

CLASS 3 / DAY



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 3 / DAY

STATION NUMBER: 13722

NO. OBS.: 5241

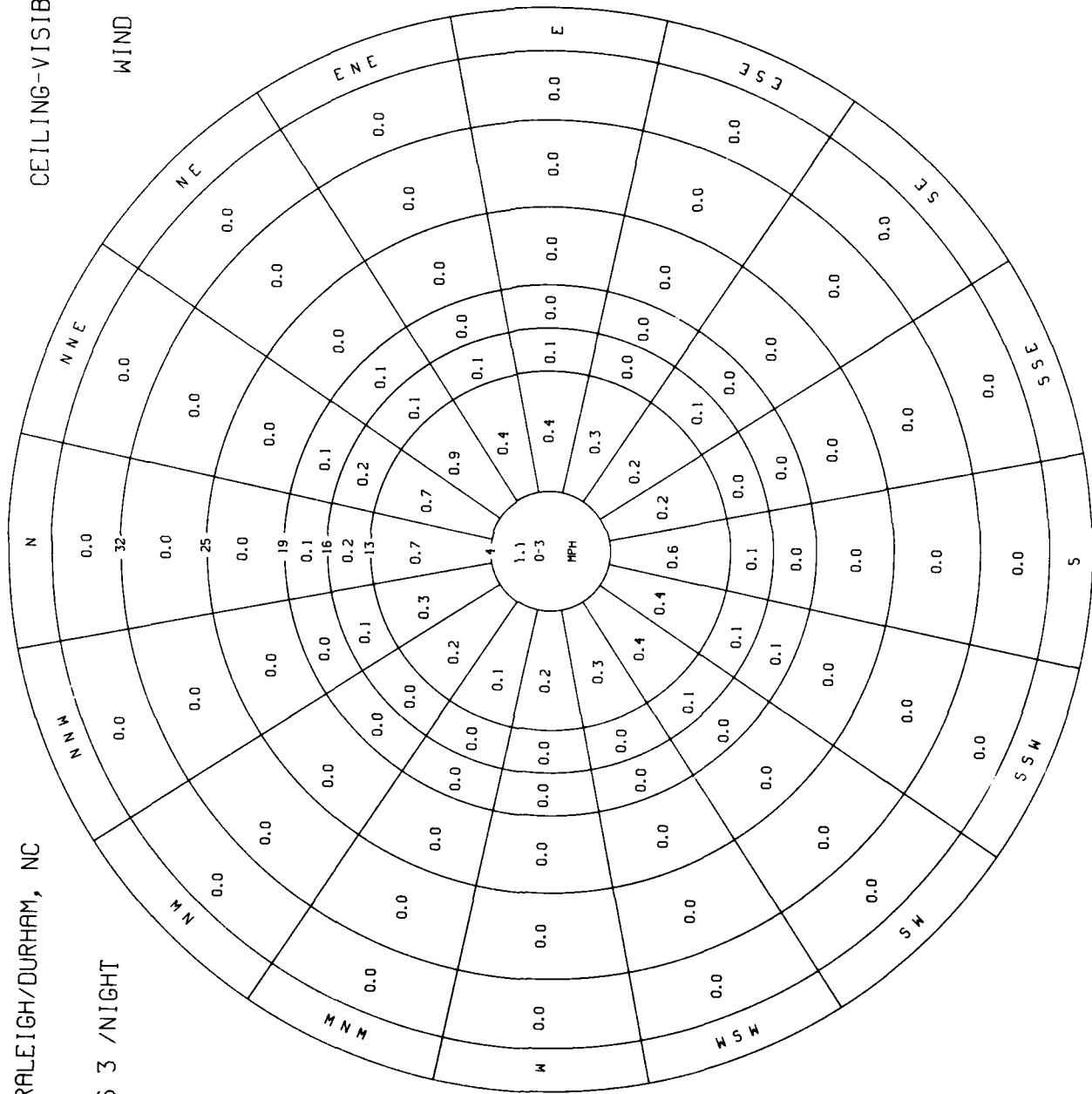
| D<br>:<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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   | 7.9  | .2    | 2.0  | .1    | .9  | .0    | .3  | .0    | .0 | .0  | .0 | 1.3   | 11.6                 | 10.3 |
| NNE         | .0                 | .4   | .8   | 7.7  | .2    | 2.2  | .1    | .9  | .1    | .5  | .0    | .1 | .0  | .0 | 1.3   | 11.7                 | 10.6 |
| NE          | .1                 | .6   | .9   | 8.4  | .2    | 1.5  | .1    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | 1.2   | 11.3                 | 9.6  |
| ENE         | .0                 | .4   | .4   | 4.1  | .1    | .7   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 5.8                  | 9.3  |
| E           | .0                 | .2   | .4   | 3.9  | .1    | .6   | .0    | .3  | .0    | .1  | .0    | .1 | .0  | .0 | .6    | 5.2                  | 9.7  |
| ESE         | .0                 | .2   | .3   | 2.8  | .0    | .3   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.7                  | 9.0  |
| SE          | .0                 | .2   | .2   | 2.3  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 2.9                  | 9.1  |
| SSE         | .0                 | .1   | .2   | 1.9  | .0    | .4   | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.7                  | 9.9  |
| S           | .0                 | .3   | .6   | 5.2  | .1    | .8   | .1    | .6  | .0    | .2  | .0    | .0 | .0  | .0 | .8    | 7.0                  | 9.5  |
| SSW         | .0                 | .4   | .5   | 4.9  | .1    | 1.1  | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .8    | 7.0                  | 9.6  |
| SW          | .0                 | .3   | .7   | 6.2  | .1    | 1.1  | .0    | .2  | .0    | .2  | .0    | .1 | .0  | .0 | .9    | 8.1                  | 9.5  |
| WSW         | .0                 | .3   | .4   | 3.7  | .1    | .5   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .5    | 4.7                  | 8.9  |
| W           | .0                 | .5   | .3   | 3.0  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.8                  | 7.8  |
| WNW         | .0                 | .2   | .2   | 1.5  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.0                  | 8.4  |
| NW          | .0                 | .2   | .2   | 2.0  | .0    | .2   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 2.8                  | 9.2  |
| NNW         | .0                 | .2   | .3   | 2.9  | .1    | .6   | .0    | .2  | .0    | .1  | .0    | .1 | .0  | .0 | .4    | 4.0                  | 9.8  |
| CALM        | .6                 | 5.5  |      |      |       |      |       |     |       |     |       |    |     |    | .6    | 5.5                  |      |
| TOTAL       | 1.1                | 10.4 | 7.4  | 68.5 | 1.4   | 12.8 | .6    | 5.8 | .2    | 2.0 | .0    | .4 | .0  | .0 | 10.8  | 100                  | 9.1  |

ROU RALEIGH/DURHAM, NC

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 3 / NIGHT

STATION NUMBER: 13722

NO. OBS.: 3635

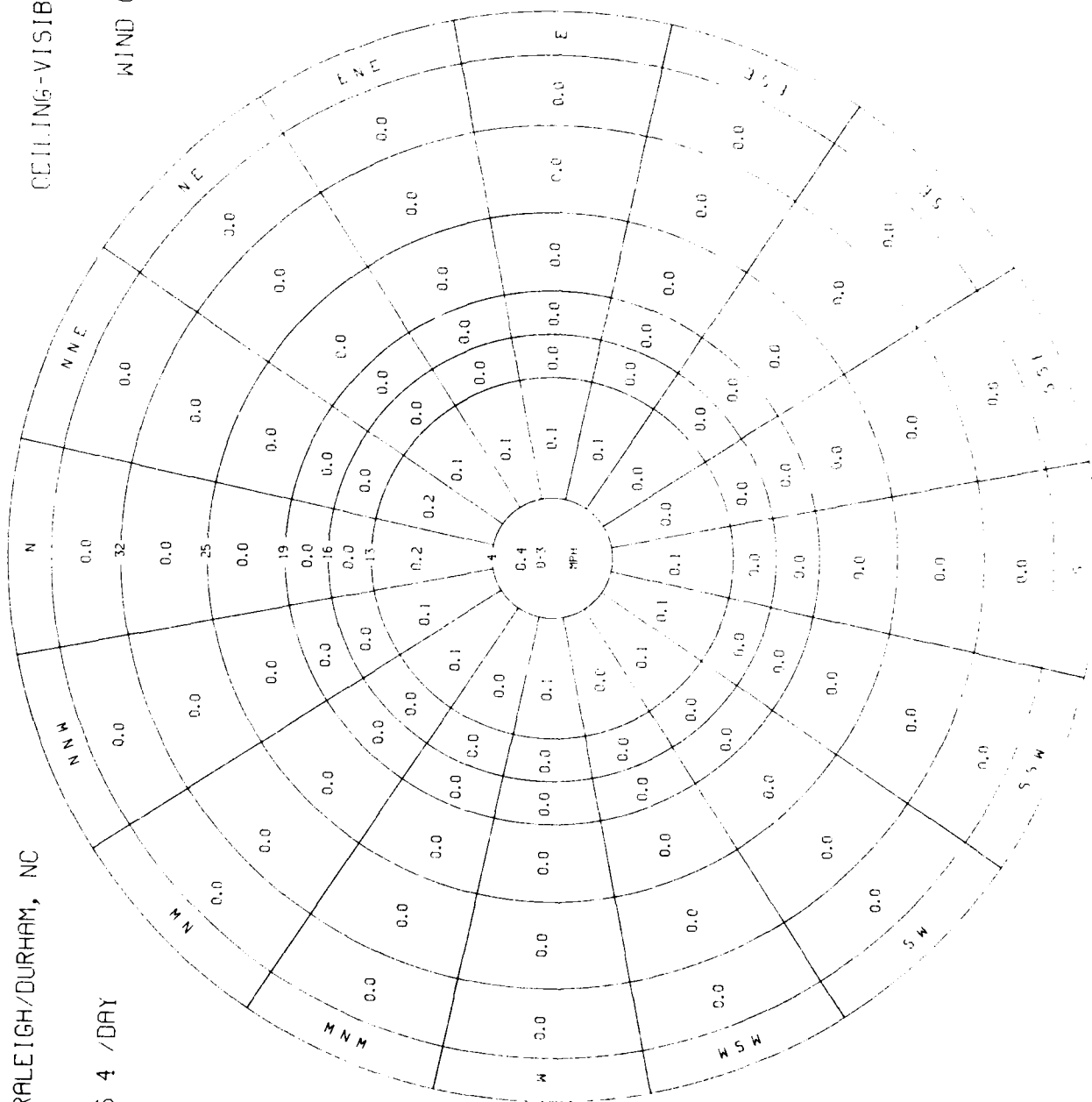
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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   | .7   | 7.9  | .2    | 1.7  | .1    | 1.1 | .0    | .4  | .0    | .0 | .0  | .0 | 1.1   | 11.7 | 10.6                 |
| NNE         | .1                 | .6   | .7   | 7.0  | .2    | 1.6  | .1    | .7  | .0    | .4  | .0    | .0 | .0  | .0 | 1.0   | 10.3 | 10.1                 |
| NE          | .1                 | .9   | .9   | 9.2  | .1    | 1.6  | .1    | .9  | .0    | .2  | .0    | .0 | .0  | .0 | 1.2   | 12.7 | 9.3                  |
| ENE         | .0                 | .2   | .4   | 4.6  | .1    | .8   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 6.2  | 9.4                  |
| E           | .0                 | .3   | .4   | 4.2  | .1    | .7   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .5    | 5.4  | 9.0                  |
| ESE         | .0                 | .2   | .3   | 2.8  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.8  | 9.2                  |
| SE          | .0                 | .4   | .2   | 2.1  | .1    | .6   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 3.3  | 9.1                  |
| SSE         | .0                 | .2   | .2   | 2.3  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .1 | .0  | .0 | .3    | 3.2  | 10.0                 |
| S           | .0                 | .5   | .6   | 6.3  | .1    | 1.0  | .0    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .8    | 8.5  | 9.3                  |
| SSW         | .0                 | .3   | .4   | 4.6  | .1    | .8   | .1    | .6  | .0    | .1  | .0    | .1 | .0  | .0 | .6    | 6.4  | 9.7                  |
| SW          | .0                 | .4   | .4   | 4.7  | .1    | .8   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 6.2  | 9.3                  |
| WSW         | .0                 | .3   | .3   | 3.0  | .0    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.8  | 8.4                  |
| W           | .0                 | .3   | .2   | 1.9  | .0    | .2   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.6  | 8.3                  |
| WNW         | .0                 | .2   | .1   | 1.5  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.1  | 8.7                  |
| NW          | .0                 | .2   | .2   | 2.5  | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 3.0  | 8.6                  |
| NNW         | .0                 | .1   | .3   | 2.9  | .1    | .6   | .0    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .4    | 4.3  | 10.5                 |
| CALM        | .6                 | 6.4  |      |      |       |      |       |     |       |     |       |    |     |    | .6    | 6.4  |                      |
| TOTAL       | 1.1                | 12.0 | 6.3  | 67.5 | 1.1   | 12.1 | .6    | 6.1 | .2    | 2.1 | .0    | .2 | .0  | .0 | 9.3   | 100  | 8.9                  |

RDU RALEIGH/DURHAM, NC

CLASS 4 / DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RCU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 4 / DAY

STATION NUMBER: 13722

NO. OBS.: 1012

| D<br>I<br>P | SPEED GROUPS (MPH) |     |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .9  | .2   | 9.5  | .0    | 1.1 | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | .3 12.0              |
| NNE         | .0                 | 1.2 | .2   | 8.5  | .0    | 1.0 | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .2 11.1              |
| ENE         | .0                 | .4  | .1   | 7.0  | .0    | .6  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .2 8.3               |
| E           | .0                 | .8  | .1   | 4.9  | .0    | .5  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .1 6.5               |
| ESE         | .0                 | .2  | .1   | 4.6  | .0    | .7  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .1 5.9               |
| SE          | .0                 | .4  | .1   | 3.4  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 4.2               |
| SSE         | .0                 | .3  | .0   | 2.4  | .0    | .0  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .1 2.9               |
| S           | .0                 | .6  | .0   | 1.9  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.4               |
| SSW         | .0                 | .3  | .1   | 4.8  | .0    | .1  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .1 6.2               |
| SW          | .0                 | .4  | .1   | 6.5  | .0    | .2  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .1 5.8               |
| WSW         | .0                 | .5  | .0   | 2.3  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .2 7.4               |
| W           | .0                 | .4  | .1   | 3.2  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 3.1               |
| WNW         | .0                 | .3  | .0   | 1.2  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 4.2               |
| NW          | .0                 | .4  | .1   | 2.8  | .0    | .4  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0 1.9               |
| NW          | .0                 | .3  | .1   | 4.1  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .1 3.7               |
| CALM        | .2                 | 6.7 |      |      |       |     |       |     |       |     |       |    |     |    | .7 5.8               |
| TOTAL       | 4.16               | 7.7 | 1.0  | 72.5 | 1.1   | 7.0 | 1.1   | 2.6 | .0    | 1.0 | .0    | .1 | .0  | .0 | 2.1 100              |



AD-A108 159

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

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

JUN 81

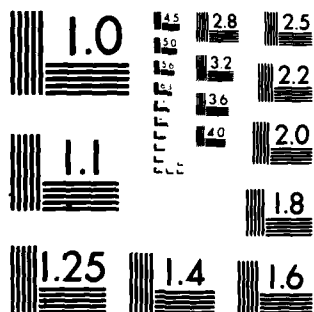
DOT-FA79WAI-057

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**UNCLASSIFIED**

3-5

08/5

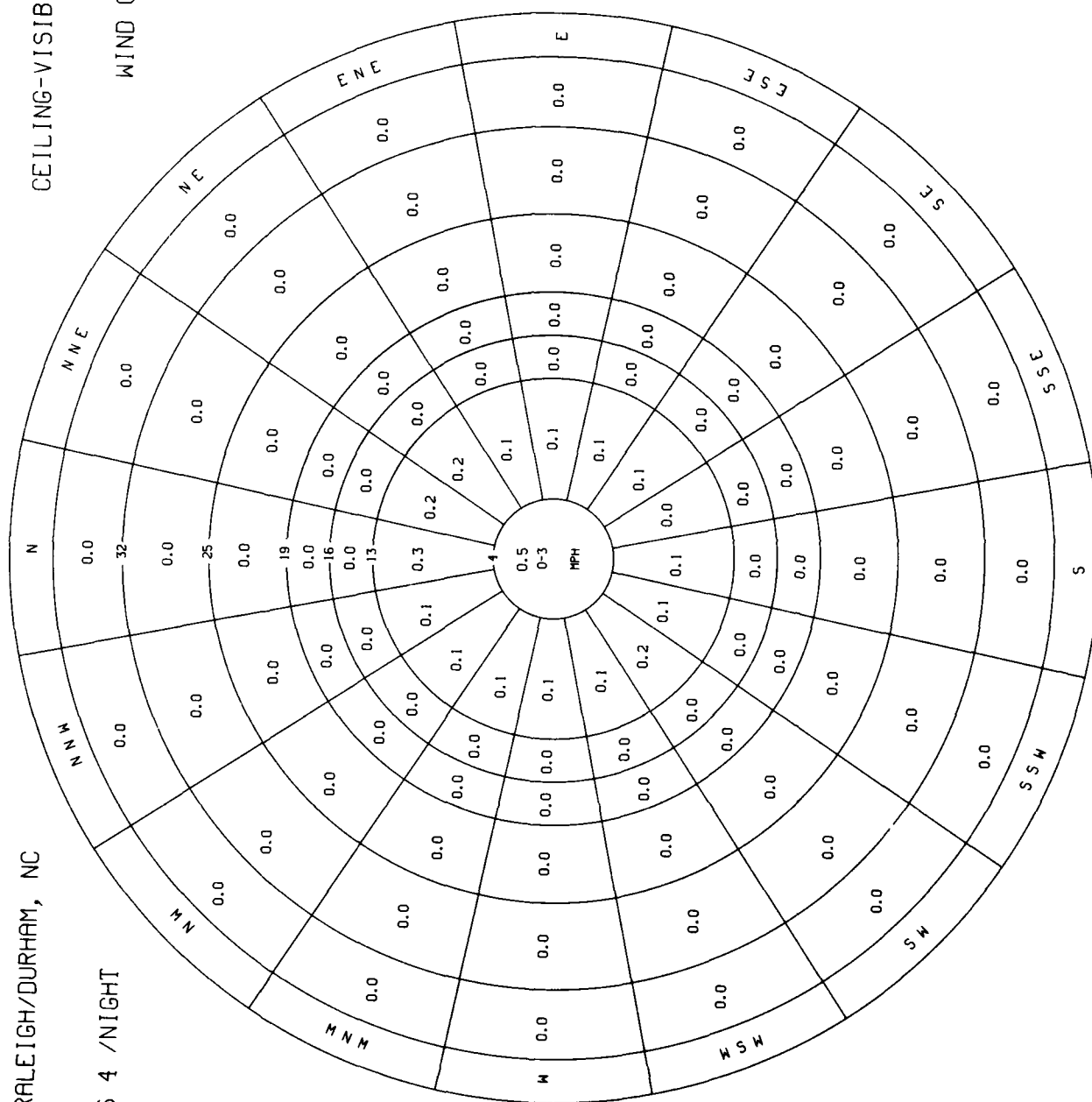


MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963 A

## CEILING-VISIBILITY

CLASS 4 /NIGHT

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 4 / NIGHT

STATION NUMBER: 13722

NO. OBS.: 1063

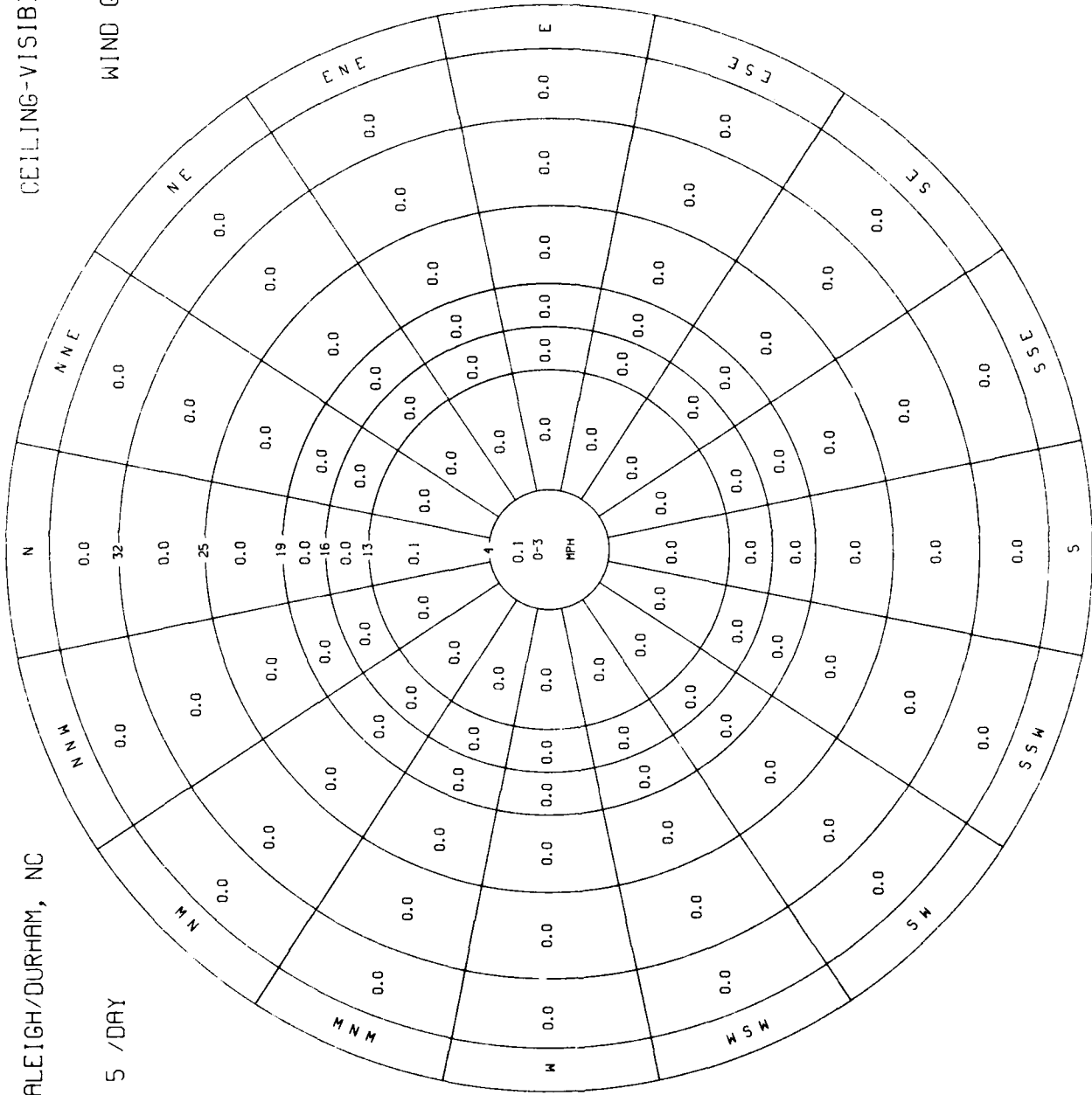
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.1  | .3   | 11.3 | .0    | 1.2 | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | .4 13.9              |
| NNE         | .0                 | .9   | .2   | 7.2  | .0    | .9  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .3 9.3               |
| NE          | .0                 | .8   | .2   | 6.3  | .0    | .6  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2 7.7               |
| ENE         | .0                 | .3   | .1   | 4.1  | .0    | .2  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .1 4.8               |
| E           | .0                 | .3   | .1   | 4.0  | .0    | .2  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.7               |
| ESE         | .0                 | .1   | .1   | 2.9  | .0    | .5  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.6               |
| SE          | .0                 | .2   | .1   | 2.0  | .0    | .1  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .1 2.4               |
| SSE         | .0                 | .2   | .0   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.7               |
| S           | .0                 | .4   | .1   | 3.9  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.5               |
| SSW         | .0                 | .2   | .1   | 4.3  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.8               |
| SW          | .0                 | .7   | .2   | 5.7  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2 6.8               |
| WSW         | .0                 | .4   | .1   | 5.1  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2 5.6               |
| W           | .0                 | .8   | .1   | 3.4  | .0    | .0  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .0 | .1 4.3               |
| WNW         | .0                 | .6   | .1   | 3.4  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.0               |
| NW          | .0                 | .8   | .1   | 4.0  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.9               |
| NNW         | .0                 | .6   | .1   | 4.7  | .0    | .6  | .0    | .5  | .0    | .0 | .0    | .0 | .0  | .0 | .2 6.3               |
| CALM        | .3                 | 10.6 |      |      |       |     |       |     |       |    |       |    |     |    | .3 10.6              |
| TOTAL       | .5                 | 18.8 | 2.0  | 73.8 | .1    | 5.4 | .0    | 1.6 | .0    | .4 | .0    | .0 | .0  | .0 | 2.7 100              |

# CEILING-VISIBILITY

## WIND GRAPH

RDU RALEIGH/DURHAM, NC

CLASS 5 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 5 / DAY

STATION NUMBER: 13722

NO. OBS.: 262

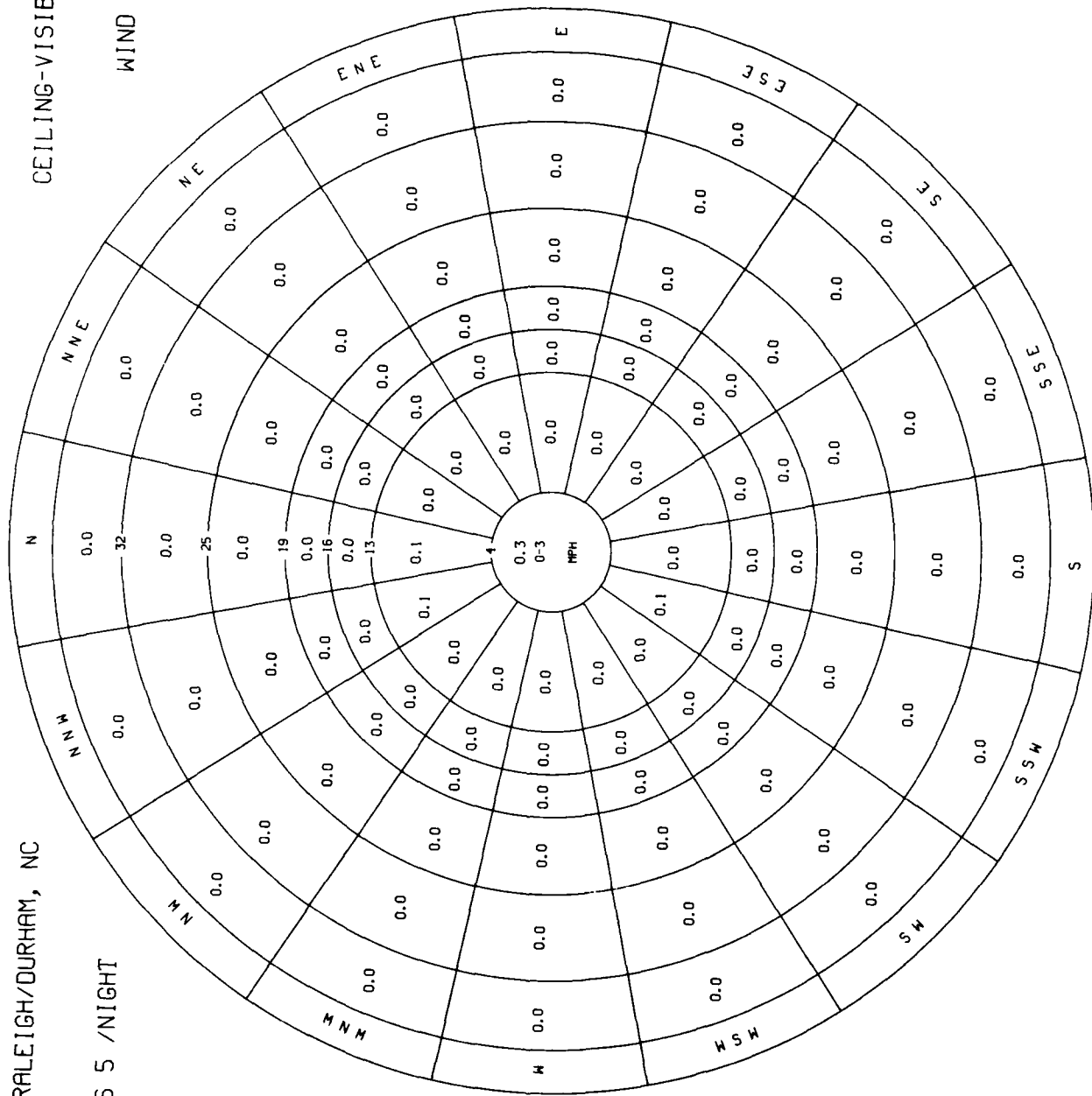
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 10.7 | .0    | 1.1 | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 13.0 | 8.0 |
| NNE         | .0                 | .8   | .0   | 6.9  | .0    | .4  | .0    | .4  | .0    | .4 | .0    | .0 | .0  | .0 | .0                   | .0    | 8.8  | 8.7 |
| NE          | .0                 | .8   | .0   | 6.1  | .0    | .4  | .0    | .0  | .0    | .4 | .0    | .0 | .0  | .0 | .0                   | .0    | 7.6  | 7.3 |
| ENE         | .0                 | 1.1  | .0   | 2.7  | .0    | .4  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.6  | 7.6 |
| E           | .0                 | .8   | .0   | 5.0  | .0    | .0  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 6.1  | 7.7 |
| ESE         | .0                 | .0   | .0   | 3.4  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.8  | 8.1 |
| SE          | .0                 | .8   | .0   | 3.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.2  | 6.6 |
| SSE         | .0                 | .8   | .0   | 2.3  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.4  | 6.9 |
| S           | .0                 | .8   | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.8  | 5.7 |
| SSW         | .0                 | .4   | .0   | 1.9  | .0    | .4  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 8.6 |
| SW          | .0                 | .8   | .0   | 7.6  | .0    | 1.1 | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 9.5  | 7.4 |
| WSW         | .0                 | .4   | .0   | 5.3  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 6.1  | 7.6 |
| W           | .0                 | .0   | .0   | 3.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.8  | 6.7 |
| WNW         | .0                 | .4   | .0   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.9  | 6.2 |
| NW          | .0                 | .8   | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.8  | 6.3 |
| NNW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.4  | 8.1 |
| CALM        | .1                 | 13.0 |      |      |       |     |       |     |       |    |       |    |     |    | .1                   | 13.0  |      |     |
| TOTAL       | .1                 | 22.5 | .4   | 70.2 | .0    | 5.0 | .0    | 1.5 | .0    | .8 | .0    | .0 | .0  | .0 | .5                   | 100   |      | 6.6 |

RDU RALEIGH/DURHAM, NC

CLASS 5 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 5 / NIGHT

STATION NUMBER: 13722

NO. OBS.: 389

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.3  | .1   | 10.8 | .0    | .5  | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .1 12.9              |
| NNE         | .0                 | 1.3  | .0   | 4.9  | .0    | .0  | .0    | .0 | .0    | .3 | .0    | .0 | .0  | .0 | .1 6.4               |
| NE          | .0                 | 1.0  | .0   | 4.4  | .0    | .0  | .0    | .0 | .0    | .3 | .0    | .0 | .0  | .0 | .1 5.7               |
| ENE         | .0                 | .5   | .0   | 2.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.1               |
| E           | .0                 | .5   | .0   | 2.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.6               |
| ESE         | .0                 | .3   | .0   | 3.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.1               |
| SE          | .0                 | .3   | .0   | 3.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.6               |
| SSE         | .0                 | .5   | .0   | 3.3  | .0    | .0  | .0    | .0 | .0    | .3 | .0    | .0 | .0  | .0 | .0 4.1               |
| S           | .0                 | .8   | .0   | 2.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.6               |
| SSW         | .0                 | .5   | .1   | 5.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.9               |
| SW          | .0                 | .5   | .0   | 4.4  | .0    | .8  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.7               |
| WSW         | .0                 | .8   | .0   | 3.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.6               |
| W           | .0                 | .5   | .0   | 4.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.9               |
| WNW         | .0                 | .5   | .0   | 3.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.6               |
| NW          | .0                 | .0   | .0   | 2.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.8               |
| NNW         | .0                 | .8   | .1   | 5.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.9               |
| CALM        | .2                 | 20.6 |      |      |       |     |       |    |       |    |       |    |     |    | .2 20.6              |
| TOTAL       | .3                 | 30.6 | .7   | 67.1 | .0    | 1.3 | .0    | .3 | .0    | .8 | .0    | .0 | .0  | .0 | 1.0 100              |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 5.5                  |

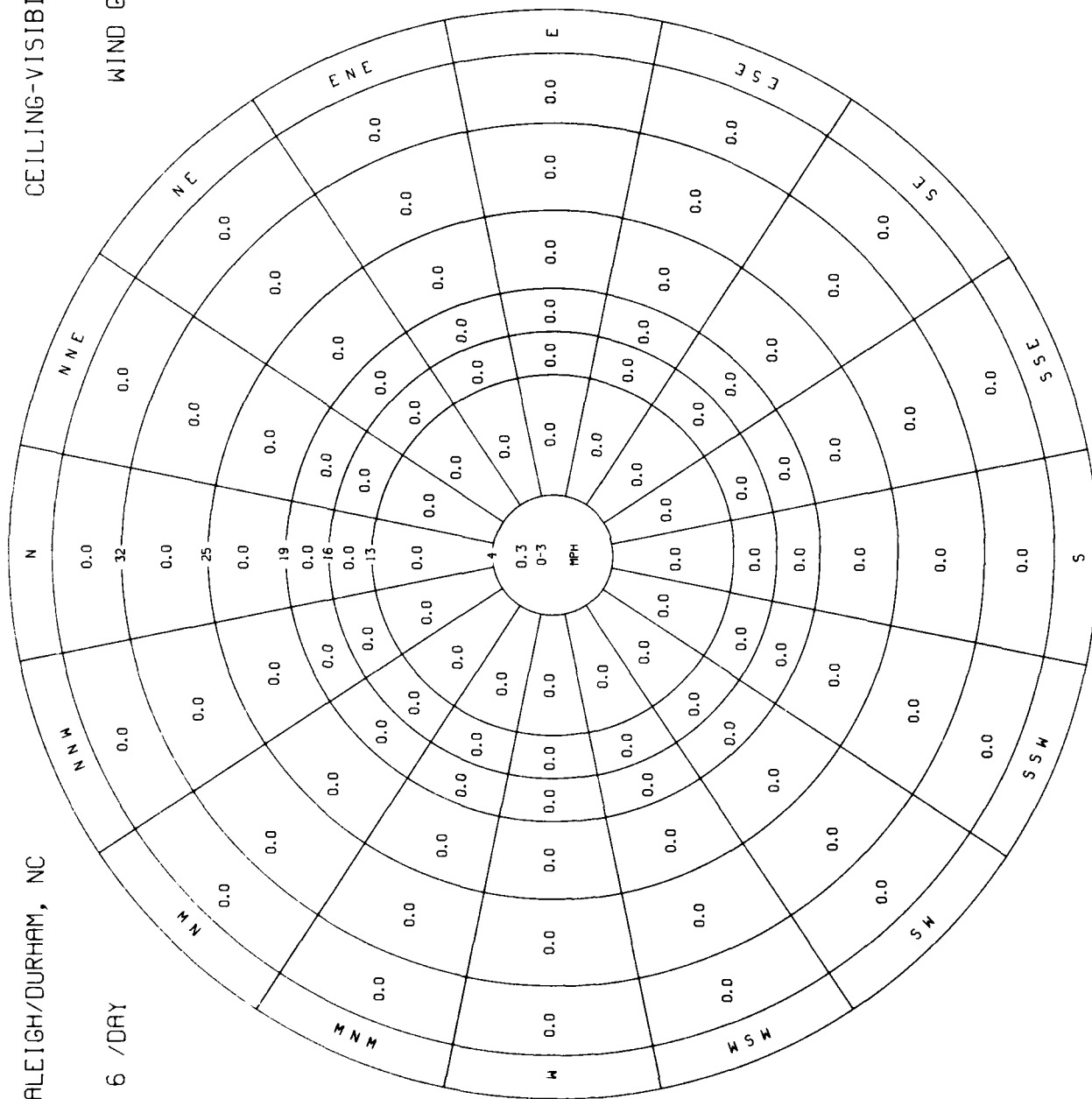


RDU RALEIGH/DURHAM, NC

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 6 / DAY

STATION NUMBER: 13722

NO. OBS.: 326

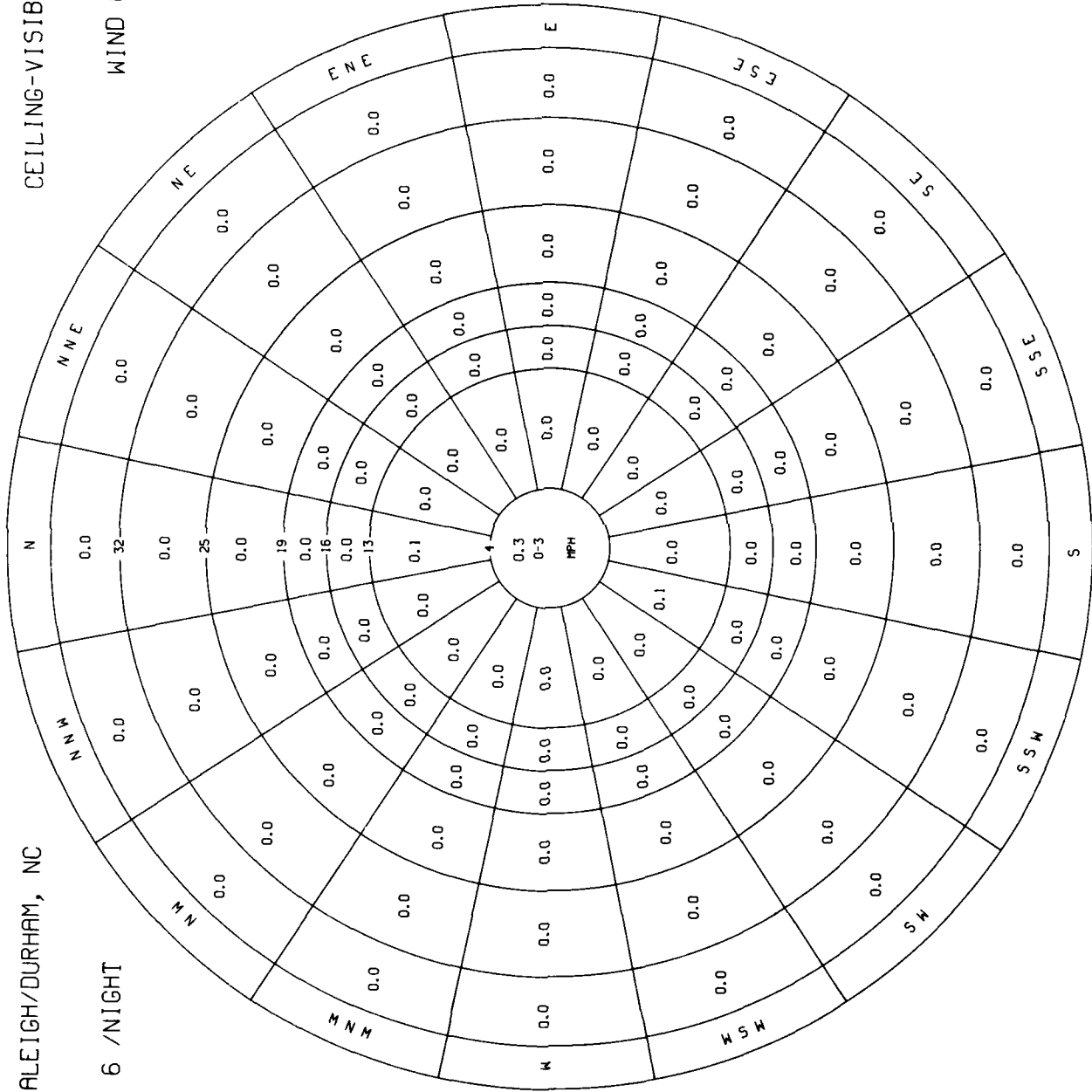
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.1  | .0   | 7.4  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 9.8               |
| NNE         | .0                 | .3   | .0   | 5.5  | .0    | .3  | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.4               |
| NE          | .0                 | 1.5  | .0   | 4.9  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.7               |
| ENE         | .0                 | 1.2  | .0   | 2.8  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.3               |
| E           | .0                 | .9   | .0   | 2.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.7               |
| ESE         | .0                 | .6   | .0   | 4.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.2               |
| SE          | .0                 | .6   | .0   | 2.1  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.1               |
| SSE         | .0                 | .3   | .0   | 2.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.5               |
| S           | .0                 | .3   | .0   | 3.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.4               |
| SSW         | .0                 | .6   | .0   | 4.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.5               |
| SW          | .0                 | 1.2  | .0   | 6.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 7.7               |
| WSW         | .0                 | 1.8  | .0   | 3.1  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.2               |
| W           | .0                 | .9   | .0   | 4.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.9               |
| WNW         | .0                 | .6   | .0   | 1.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.1               |
| NW          | .0                 | .0   | .0   | 1.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.5               |
| NNW         | .0                 | .9   | .0   | 1.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.5               |
| CALM        | .2                 | 25.5 |      |      |       |     |       |    |       |    |       |    |     |    | .2 25.5              |
| TOTAL       | .3                 | 39.6 | .4   | 58.0 | .0    | 1.8 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .3 | .7 10.0              |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 4.8                  |

RDU RALEIGH/DURHAM, NC

CLASS 6 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: RDU RALEIGH/DURHAM, NC

PERIOD: 1949-1978

CLASS 6 / NIGHT

STATION NUMBER: 13722

NO. OBS.: 318

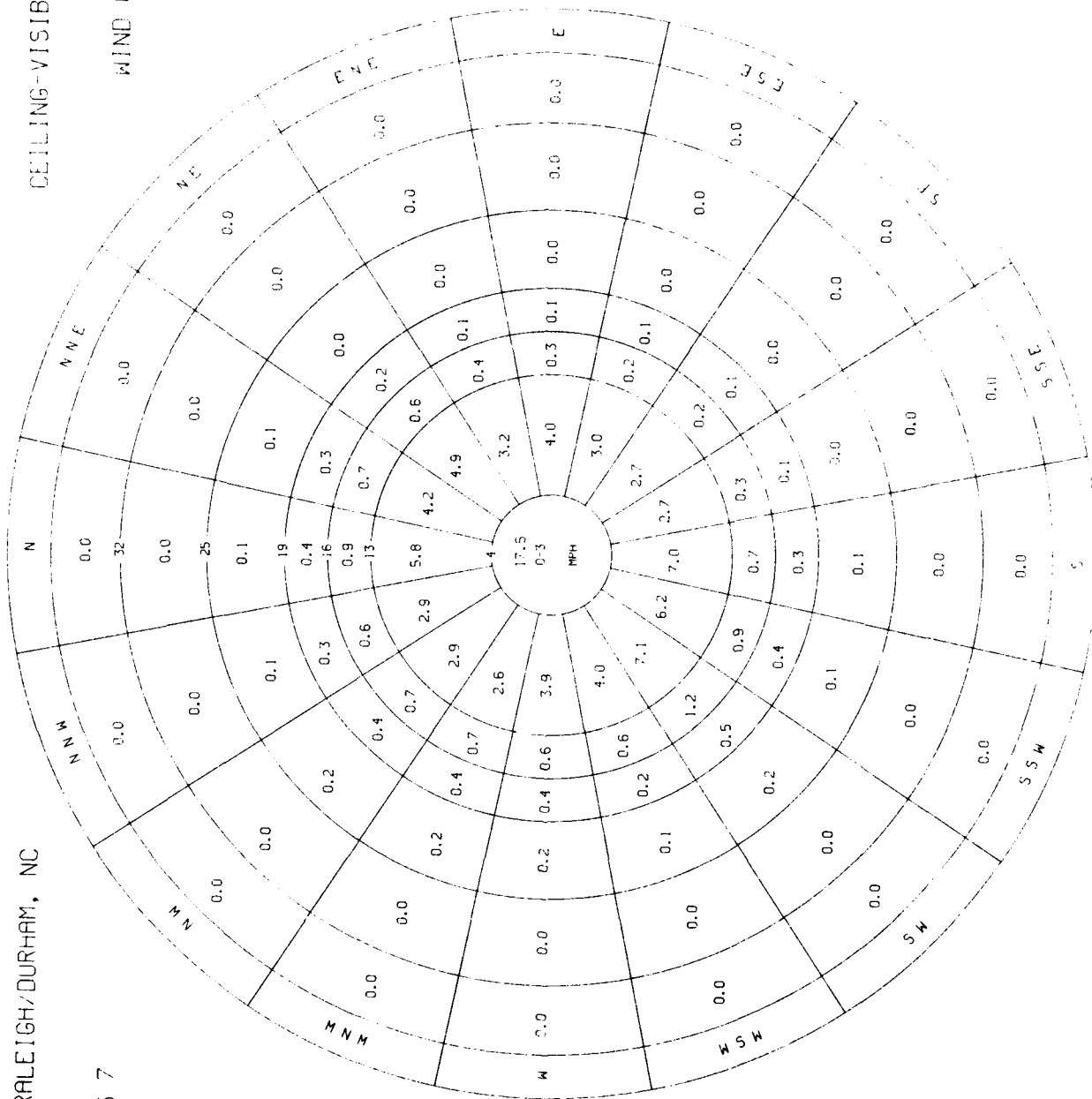
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .0                 | 2.8  | .1   | 7.5  | .0    | .0 | .0    | .0 | .0    | .3 | .0    | .0 | .0  | .0 | .0                   | .1    | 10.7 | 6.0 |
| NNE         | .0                 | .9   | .0   | 3.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.4  | 5.7 |
| NE          | .0                 | 1.9  | .0   | 1.3  | .0    | .0 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.5  | 6.5 |
| ENE         | .0                 | .6   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.5  | 5.5 |
| E           | .0                 | .9   | .0   | 4.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 5.3  | 6.0 |
| ESE         | .0                 | .9   | .0   | 3.1  | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.4  | 6.6 |
| SE          | .0                 | .6   | .0   | 3.5  | .0    | .0 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.4  | 6.7 |
| SSE         | .0                 | .0   | .0   | 2.2  | .0    | .0 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.5  | 7.0 |
| S           | .0                 | .6   | .0   | 3.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.1  | 5.2 |
| SSW         | .0                 | .6   | .1   | 6.9  | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.9  | 6.4 |
| SW          | .0                 | .6   | .0   | 4.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.7  | 7.4 |
| WSW         | .0                 | .3   | .0   | 3.5  | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 4.1  | 7.0 |
| W           | .0                 | 2.2  | .0   | 5.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.2  | 5.7 |
| WNW         | .0                 | .3   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.2  | 5.7 |
| NW          | .0                 | .0   | .0   | 2.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.2  | 6.3 |
| NNW         | .0                 | .6   | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 5.5 |
| CALM        | .2                 | 26.7 |      |      |       |    |       |    |       |    |       |    |     |    |                      | .2    | 26.7 |     |
| TOTAL       | .3                 | 40.9 | .5   | 56.9 | .0    | .9 | .0    | .9 | .0    | .3 | .0    | .0 | .0  | .0 | .0                   | .8    | 100  | 4.5 |

RDU RALEIGH/DURHAM, NC

CLASS 7

CEILING-VISIBILITY

WIND GRAPH

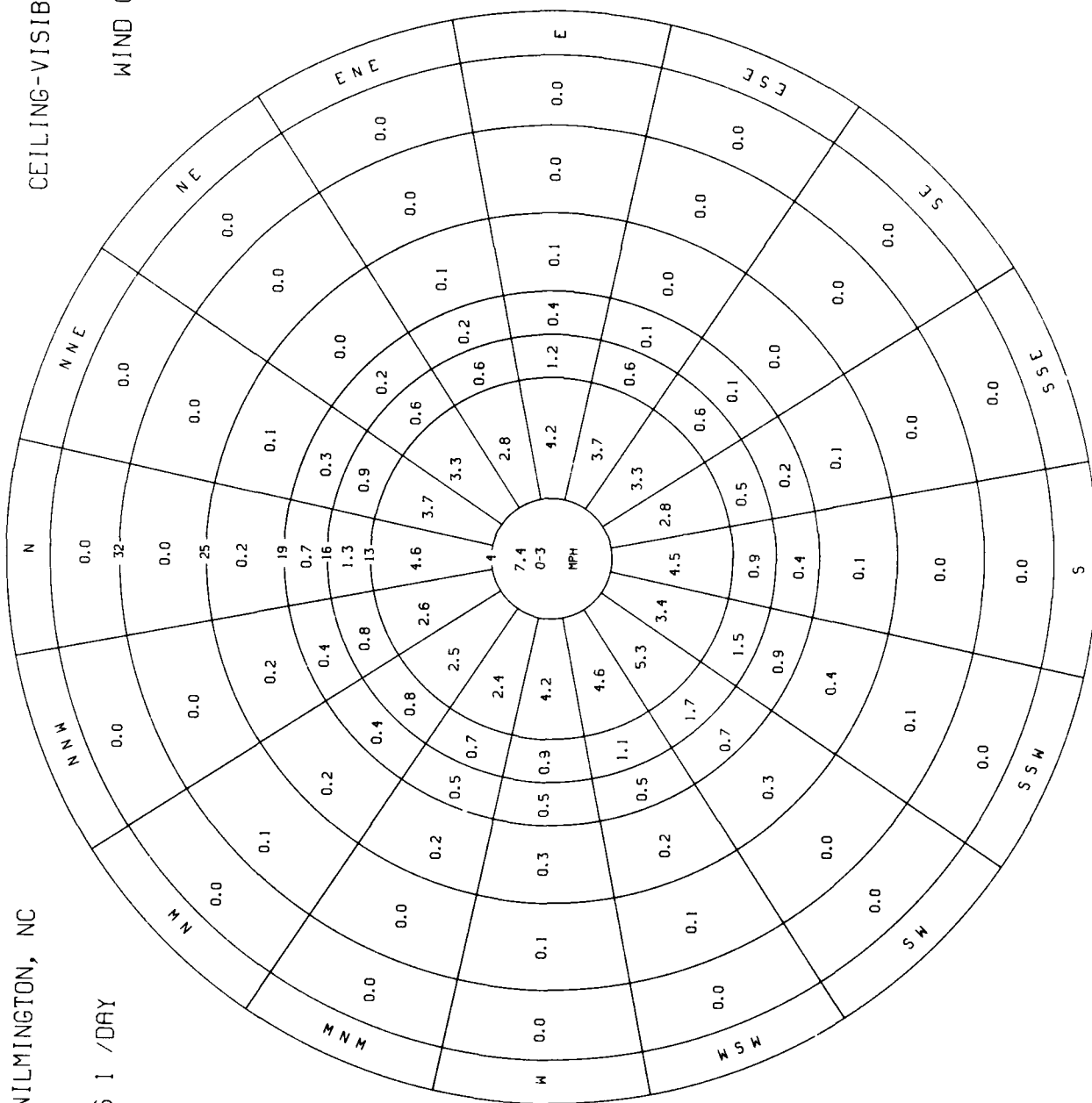


ILM WILMINGTON, NC

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



PRECEDING PAGE BLANK-NOT FILMED

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 1 / DAY

STATION NUMBER: 13748

NO. OBS.: 27362

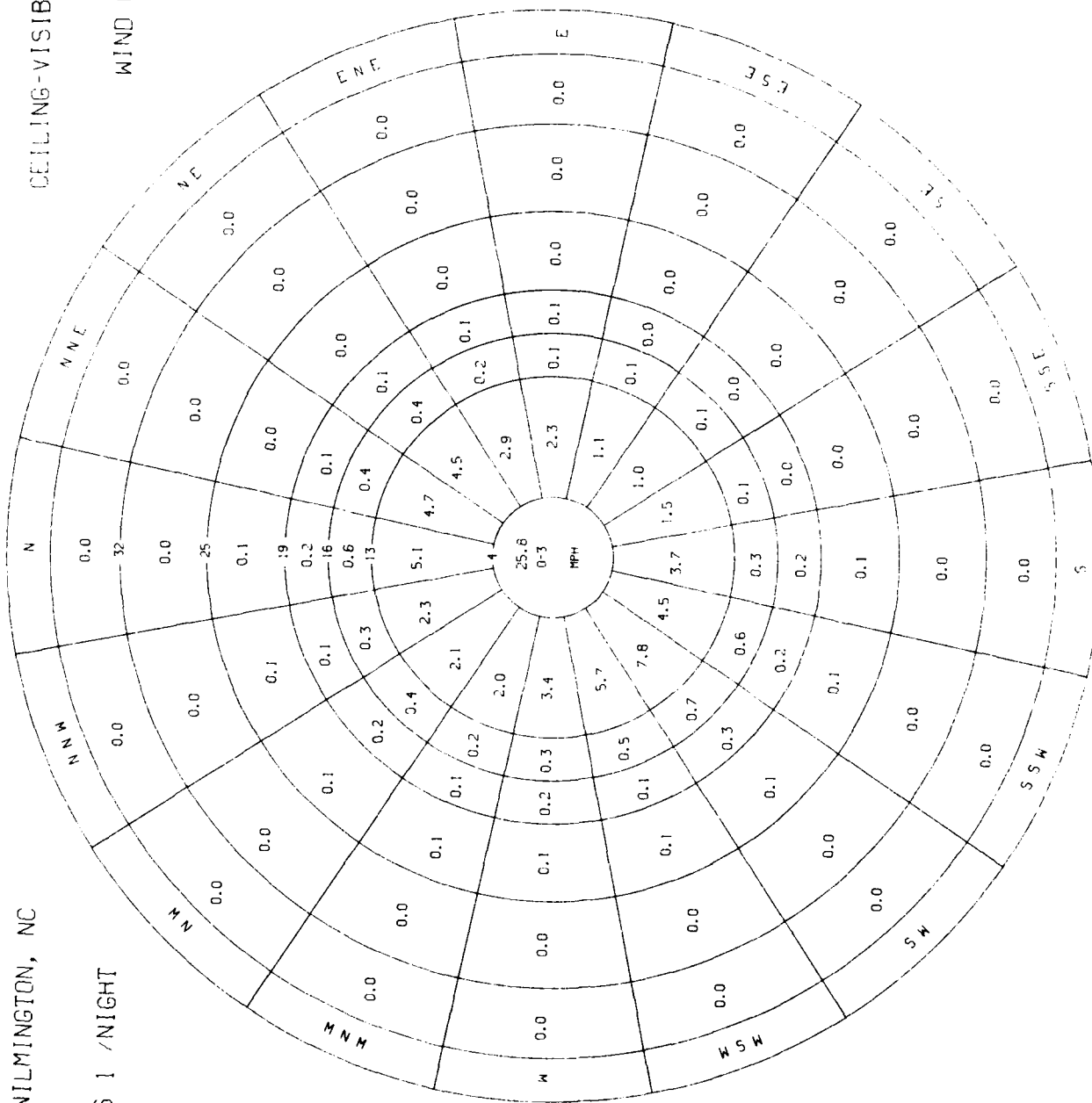
| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |
|             | A                  | B   | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D    |
| N           | .3                 | .4  | 4.6  | 5.2  | 1.3   | 1.4  | .7    | .8  | .2    | .3  | .0    | .0 | .0  | .0 | 7.1   | 8.0                  | 10.3 |
| NNE         | .3                 | .3  | 3.7  | 4.1  | .9    | 1.0  | .3    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 5.2   | 5.8                  | 9.6  |
| NE          | .2                 | .3  | 3.3  | 3.7  | .6    | .7   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 4.3   | 4.9                  | 9.1  |
| ENE         | .3                 | .3  | 2.8  | 3.1  | .6    | .7   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 3.9   | 4.3                  | 9.2  |
| E           | .3                 | .3  | 4.2  | 4.8  | 1.2   | 1.3  | .4    | .5  | .1    | .1  | .0    | .0 | .0  | .0 | 6.2   | 7.0                  | 10.1 |
| ESE         | .2                 | .3  | 3.7  | 4.1  | .6    | .7   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.7   | 5.2                  | 9.0  |
| SE          | .2                 | .2  | 3.3  | 3.8  | .6    | .6   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.3   | 4.8                  | 9.1  |
| SSE         | .2                 | .2  | 2.8  | 3.1  | .5    | .6   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 3.6   | 4.1                  | 9.2  |
| S           | .3                 | .4  | 4.5  | 5.0  | .9    | 1.0  | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 6.2   | 6.9                  | 9.6  |
| SSW         | .2                 | .2  | 3.4  | 3.8  | 1.5   | 1.7  | .9    | 1.0 | .4    | .4  | .1    | .1 | .0  | .0 | 6.3   | 7.1                  | 11.8 |
| SW          | .2                 | .2  | 5.3  | 6.0  | 1.7   | 1.9  | .7    | .8  | .3    | .4  | .0    | .0 | .0  | .0 | 8.3   | 9.3                  | 10.9 |
| WSW         | .2                 | .2  | 4.6  | 5.2  | 1.1   | 1.2  | .5    | .6  | .2    | .2  | .1    | .1 | .0  | .0 | 6.8   | 7.6                  | 10.3 |
| W           | .3                 | .3  | 4.2  | 4.7  | .9    | 1.1  | .5    | .6  | .3    | .3  | .1    | .1 | .0  | .0 | 6.3   | 7.1                  | 10.4 |
| WNW         | .2                 | .2  | 2.4  | 2.7  | .7    | .8   | .5    | .6  | .2    | .2  | .0    | .0 | .0  | .0 | 4.1   | 4.6                  | 10.8 |
| NW          | .2                 | .2  | 2.5  | 2.8  | .8    | .9   | .4    | .5  | .2    | .2  | .1    | .1 | .0  | .0 | 4.1   | 4.6                  | 10.8 |
| NNW         | .2                 | .2  | 2.6  | 2.9  | .8    | .9   | .4    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 4.1   | 4.6                  | 10.6 |
| CALM        | 3.6                | 4.1 |      |      |       |      |       |     |       |     |       |    |     |    | 3.6   | 4.1                  |      |
| TOTAL       | 7.4                | 8.3 | 57.9 | 64.9 | 14.6  | 16.3 | 6.5   | 7.3 | 2.4   | 2.7 | .4    | .4 | .0  | .0 | 89.2  | 100                  | 9.7  |

ILM WILMINGTON, NC

CLASS 1 / NIGHT

CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 1 / NIGHT

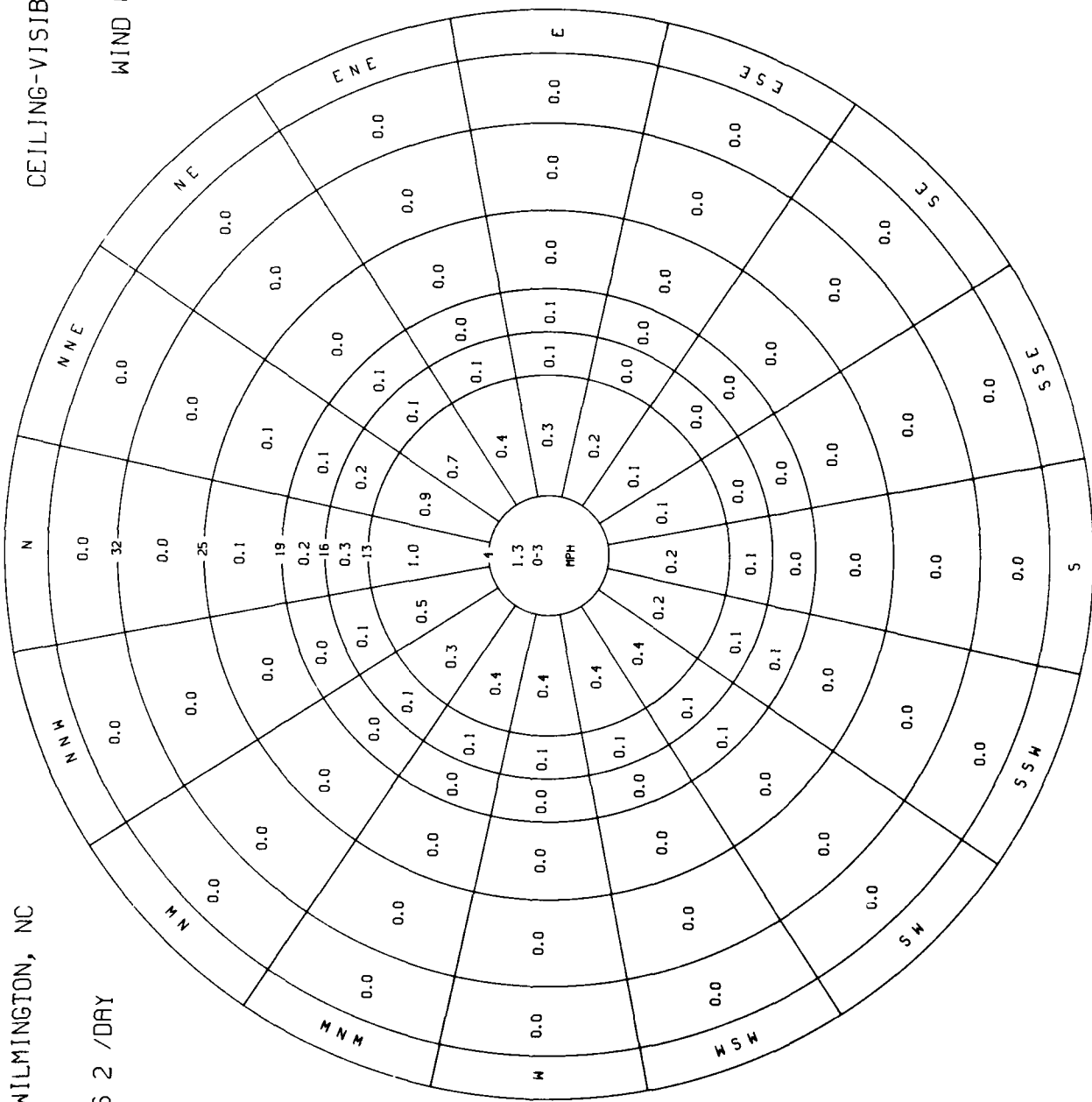
STATION NUMBER: 13748

NO. OBS.: 21988

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .8                 | .9   | 5.1  | 5.7  | .6    | .7  | .2    | .2  | .1    | .2 | .0    | .0 | .0  | .0 | 6.8 7.7 6.1          |
| NNE         | .6                 | .7   | 4.7  | 5.3  | .4    | .5  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 5.9 6.6 7.7          |
| NE          | .6                 | .7   | 4.5  | 5.1  | .4    | .4  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 5.5 6.3 7.5          |
| ENE         | .8                 | .9   | 2.9  | 3.3  | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 4.0 4.5 6.5          |
| E           | .9                 | 1.1  | 2.3  | 2.6  | .1    | .1  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 3.4 3.8 6.4          |
| ESE         | .7                 | .8   | 1.1  | 1.2  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.9 2.2 5.6          |
| SE          | .4                 | .5   | 1.0  | 1.2  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.6 1.8 6.2          |
| SSE         | .4                 | .5   | 1.5  | 1.6  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.0 2.3 6.9          |
| S           | .8                 | .9   | 3.7  | 4.2  | .3    | .3  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 5.1 5.7 7.3          |
| SSW         | .5                 | .5   | 4.5  | 5.1  | .6    | .7  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 5.9 6.6 8.5          |
| SW          | .6                 | .7   | 7.8  | 8.9  | .7    | .8  | .3    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | 9.6 10.8 8.1         |
| WSW         | .4                 | .4   | 5.7  | 6.4  | .5    | .5  | .1    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 6.7 7.6 8.0          |
| W           | .4                 | .5   | 3.4  | 3.9  | .3    | .3  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 4.4 5.0 8.1          |
| WNW         | .2                 | .3   | 2.0  | 2.3  | .2    | .2  | .1    | .1  | .1    | .1 | .0    | .0 | .0  | .0 | 2.7 3.0 8.1          |
| NW          | .2                 | .2   | 2.1  | 2.3  | .4    | .4  | .2    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 2.9 3.2 9.2          |
| NNW         | .2                 | .3   | 2.3  | 2.5  | .3    | .4  | .1    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 3.1 3.5 8.9          |
| CALM        | 17.2               | 19.4 |      |      |       |     |       |     |       |    |       |    |     |    | 17.2 19.4            |
| TOTAL       | 25.8               | 29.2 | 54.5 | 61.6 | 5.2   | 5.8 | 2.0   | 2.2 | .8    | .9 | .1    | .2 | .0  | .0 | 88.5 100 6.3         |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 2 / DAY

STATION NUMBER: 13748

NO. OBS.: 3298

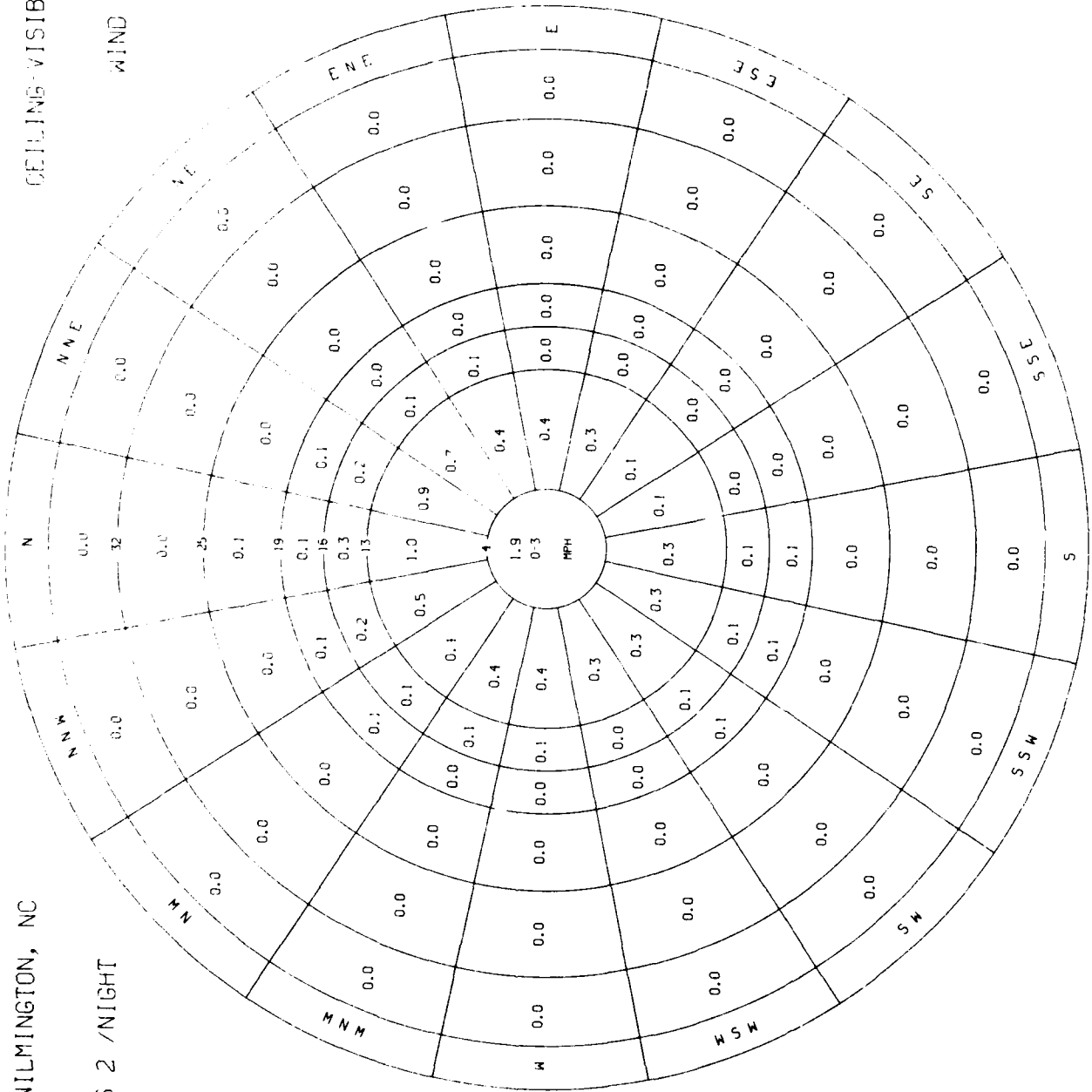
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |     |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|-----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |     | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B   | A   | B  |                      |       | C    |
| N           | .1                 | .5   | 1.0  | 9.3  | .3    | 2.5  | .2    | 1.5 | .1    | .7  | .0    | .3  | .0  | .0 | 1.6                  | 14.7  | 11.0 |
| NNE         | .1                 | .5   | .9   | 8.8  | .2    | 1.7  | .1    | .8  | .1    | .6  | .0    | .1  | .0  | .0 | 1.3                  | 12.5  | 10.2 |
| NE          | .0                 | .4   | .7   | 6.6  | .1    | 1.3  | .1    | .6  | .0    | .2  | .0    | .1  | .0  | .0 | 1.0                  | 9.2   | 9.9  |
| ENE         | .0                 | .4   | .4   | 4.1  | .1    | .8   | .0    | .4  | .0    | .1  | .0    | .0  | .0  | .0 | .6                   | 5.8   | 9.3  |
| E           | .0                 | .4   | .3   | 3.1  | .1    | .8   | .1    | .7  | .0    | .2  | .0    | .1  | .0  | .0 | .6                   | 5.2   | 10.6 |
| ESE         | .0                 | .2   | .2   | 1.9  | .0    | .2   | .0    | .2  | .0    | .2  | .0    | .1  | .0  | .0 | .3                   | 2.7   | 9.4  |
| SE          | .0                 | .2   | .1   | .9   | .0    | .2   | .0    | .4  | .0    | .2  | .0    | .1  | .0  | .0 | .2                   | 1.9   | 11.5 |
| SSE         | .0                 | .1   | .1   | 1.2  | .0    | .2   | .0    | .3  | .0    | .1  | .0    | .1  | .0  | .0 | .2                   | 2.0   | 11.0 |
| S           | .0                 | .0   | .2   | 2.1  | .1    | .5   | .0    | .3  | .0    | .2  | .0    | .1  | .0  | .0 | .4                   | 3.3   | 12.1 |
| SSW         | .0                 | .2   | .2   | 1.7  | .1    | .7   | .1    | .5  | .0    | .3  | .0    | .2  | .0  | .0 | .4                   | 3.5   | 12.4 |
| SW          | .0                 | .3   | .4   | 3.4  | .1    | .9   | .1    | .8  | .0    | .3  | .0    | .1  | .0  | .0 | .6                   | 5.6   | 10.8 |
| WSW         | .0                 | .2   | .4   | 3.4  | .1    | .6   | .0    | .2  | .0    | .2  | .0    | .0  | .0  | .0 | .5                   | 4.5   | 9.4  |
| W           | .0                 | .5   | .4   | 3.6  | .1    | .7   | .0    | .2  | .0    | .2  | .0    | .0  | .0  | .0 | .6                   | 5.1   | 9.0  |
| WNW         | .1                 | .5   | .4   | 3.4  | .1    | .5   | .0    | .3  | .0    | .3  | .0    | .1  | .0  | .0 | .6                   | 5.1   | 9.7  |
| NW          | .0                 | .2   | .3   | 3.2  | .1    | .6   | .0    | .4  | .0    | .2  | .0    | .0  | .0  | .0 | .5                   | 4.6   | 9.9  |
| NNW         | .0                 | .3   | .5   | 4.2  | .1    | 1.2  | .0    | .5  | .0    | .3  | .0    | .1  | .0  | .0 | .7                   | 6.5   | 10.7 |
| CALM        | .8                 | 7.7  |      |      |       |      |       |     |       |     |       |     |     |    | .8                   | 7.7   |      |
| TOTAL       | 1.3                | 12.4 | 6.6  | 60.9 | 1.4   | 13.4 | .9    | 7.9 | .4    | 3.9 | .1    | 1.3 | .0  | .1 | 10.8                 | 100   | 9.6  |

ILM WILMINGTON, NC

CLASS 2 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 2 / NIGHT

STATION NUMBER: 13748

NO. OBS.: 2852

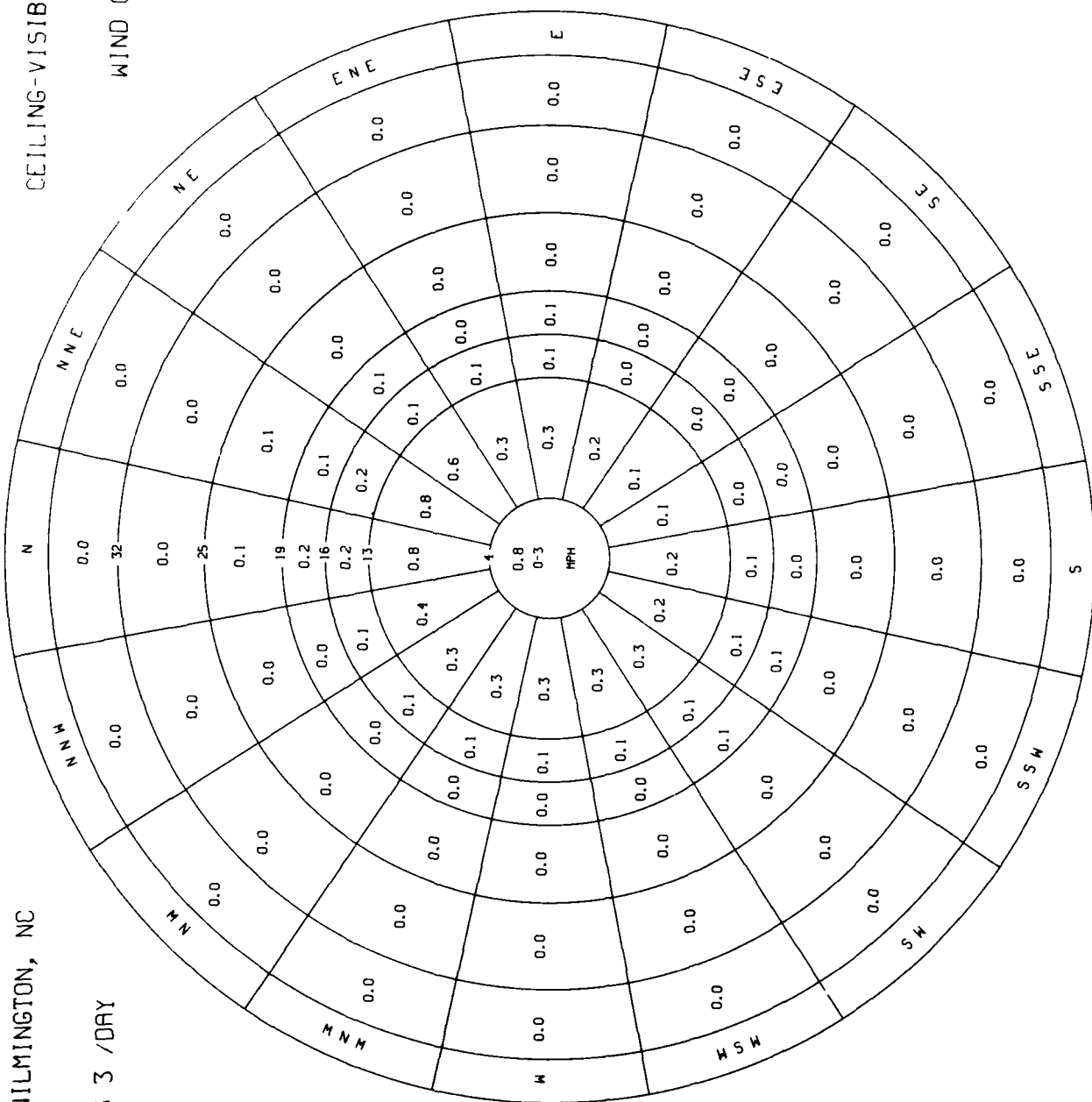
| DIR   | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG WIND SPEED |
|-------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------|
|       | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL          |
|       | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                |
| N     | .0                 | .4   | 1.0  | 9.0  | .3    | 2.4  | .1    | 1.1 | .1    | .8  | .0    | .2 | .0  | .0 | 1.6 13.9       |
| NNE   | .0                 | .4   | .9   | 7.8  | .2    | 1.8  | .1    | .5  | .0    | .3  | .0    | .1 | .0  | .0 | 1.2 10.8       |
| NNE   | .0                 | .4   | .7   | 6.0  | .1    | 1.1  | .0    | .4  | .0    | .3  | .0    | .0 | .0  | .0 | .9 8.2         |
| ENE   | .1                 | .6   | .4   | 3.2  | .1    | .8   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .6 5.0         |
| E     | .1                 | .7   | .4   | 3.5  | .0    | .3   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .6 4.9         |
| ESE   | .0                 | .3   | .3   | 2.3  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .4 3.1         |
| SE    | .0                 | .2   | .1   | 1.2  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .1 | .0  | .0 | .2 1.9         |
| SSE   | .0                 | .1   | .1   | .7   | .0    | .2   | .0    | .1  | .0    | .0  | .0    | .1 | .0  | .0 | .1 1.3         |
| S     | .0                 | .2   | .3   | 2.5  | .1    | .5   | .1    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .5 4.0         |
| SSW   | .0                 | .1   | .3   | 2.3  | .1    | .7   | .1    | .7  | .0    | .4  | .0    | .0 | .0  | .0 | .5 4.2         |
| SW    | .0                 | .3   | .3   | 2.9  | .1    | .9   | .1    | .7  | .0    | .2  | .0    | .0 | .0  | .0 | .6 5.0         |
| WSW   | .0                 | .3   | .3   | 2.9  | .0    | .4   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .5 4.0         |
| W     | .0                 | .4   | .4   | 3.8  | .1    | .6   | .0    | .4  | .0    | .3  | .0    | .1 | .0  | .0 | .6 5.6         |
| WNW   | .1                 | .6   | .4   | 3.2  | .1    | .7   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .6 4.9         |
| NW    | .0                 | .3   | .4   | 3.3  | .1    | 1.1  | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .6 5.3         |
| NNW   | .0                 | .4   | .5   | 4.2  | .2    | 1.4  | .1    | .7  | .0    | .2  | .0    | .1 | .0  | .0 | .8 6.9         |
| CALM  | 1.3                | 10.9 |      |      |       |      |       |     |       |     |       |    |     |    | 1.3 10.9       |
| TOTAL | 1.9                | 16.5 | 6.8  | 58.9 | 1.5   | 13.4 | .8    | 6.9 | .4    | 3.4 | .1    | .7 | .0  | .1 | 11.5 100       |

CEILING-VISIBILITY

WIND GRAPH

ILM WILMINGTON, NC

CLASS 3 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 3 / DAY

STATION NUMBER: 13748

NO. OBS.: 2695

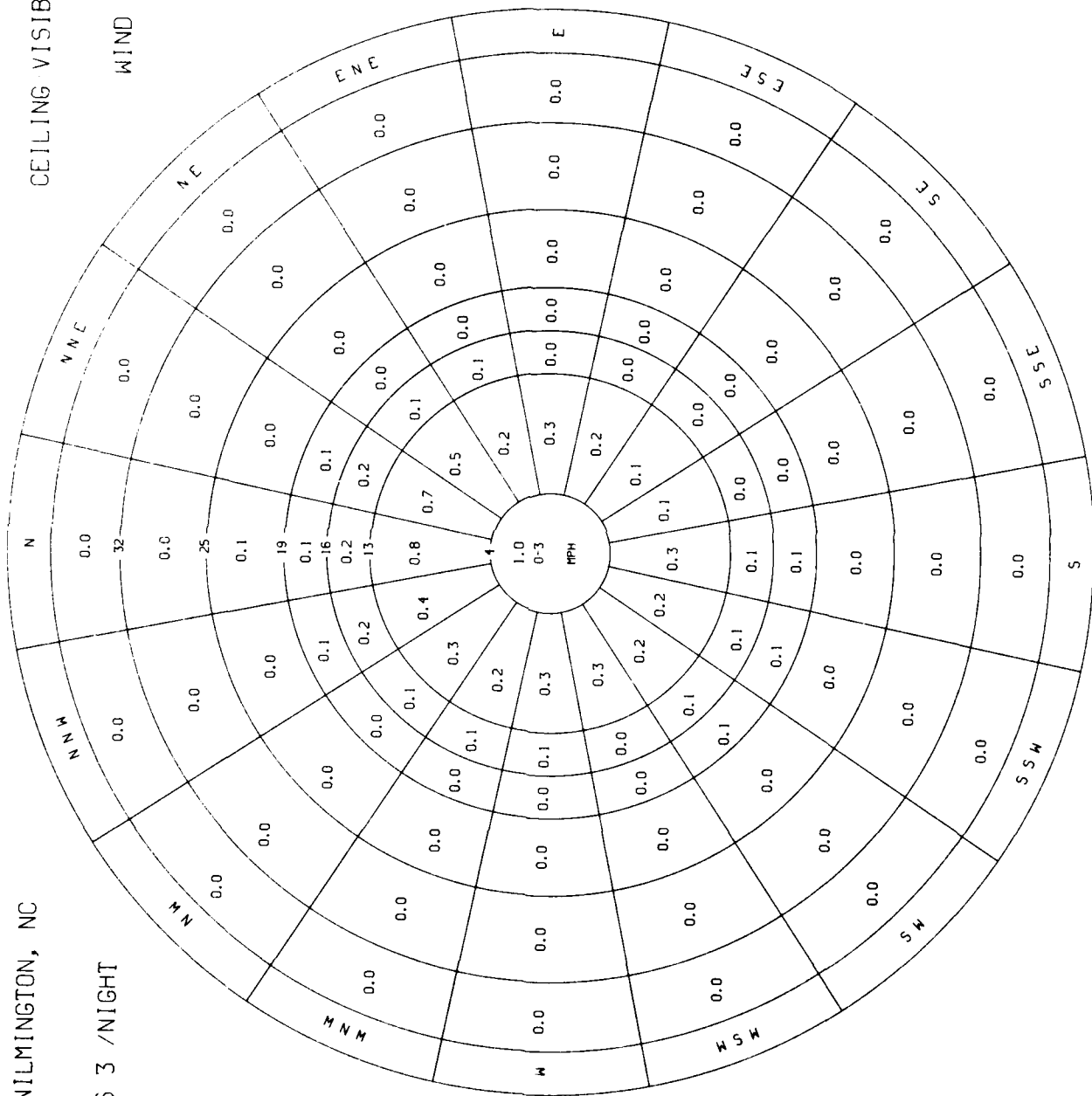
| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |     |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|-----|-----|----|-------|----------------------|------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 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   | 9.2  | .2    | 2.8  | .2    | 1.7 | .1    | .8  | .0    | .3  | .0  | .0 | 1.3   | 15.1                 | 11.4 |
| NNE         | .0                 | .4  | .8   | 8.6  | .2    | 2.0  | .1    | 1.0 | .1    | .7  | .0    | .1  | .0  | .0 | 1.1   | 12.9                 | 10.8 |
| NE          | .0                 | .3  | .6   | 6.5  | .1    | 1.4  | .1    | .7  | .0    | .2  | .0    | .1  | .0  | .0 | .8    | 9.3                  | 10.4 |
| ENE         | .0                 | .3  | .3   | 3.8  | .1    | 1.0  | .0    | .4  | .0    | .1  | .0    | .0  | .0  | .0 | .5    | 5.6                  | 9.7  |
| E           | .0                 | .2  | .3   | 2.9  | .1    | 1.0  | .1    | .7  | .0    | .1  | .0    | .0  | .0  | .0 | .4    | 5.0                  | 11.1 |
| ESE         | .0                 | .3  | .2   | 1.9  | .0    | .2   | .0    | .2  | .0    | .2  | .0    | .1  | .0  | .0 | .2    | 2.8                  | 9.8  |
| SE          | .0                 | .1  | .1   | 1.0  | .0    | .2   | .0    | .4  | .0    | .2  | .0    | .1  | .0  | .0 | .2    | 2.0                  | 12.1 |
| SSE         | .0                 | .1  | .1   | 1.4  | .0    | .3   | .0    | .4  | .0    | .1  | .0    | .1  | .0  | .0 | .2    | 2.3                  | 11.2 |
| S           | .0                 | .0  | .2   | 2.2  | .1    | .6   | .0    | .3  | .0    | .3  | .0    | .1  | .0  | .0 | .3    | 3.6                  | 12.2 |
| SSW         | .0                 | .2  | .2   | 1.7  | .1    | .8   | .1    | .6  | .0    | .3  | .0    | .2  | .0  | .0 | .3    | 3.9                  | 12.8 |
| SW          | .0                 | .3  | .3   | 3.5  | .1    | 1.0  | .1    | .9  | .0    | .3  | .0    | .1  | .0  | .0 | .5    | 6.0                  | 11.3 |
| WSW         | .0                 | .2  | .3   | 3.6  | .1    | .7   | .0    | .2  | .0    | .2  | .0    | .0  | .0  | .0 | .4    | 4.9                  | 9.6  |
| W           | .0                 | .3  | .3   | 3.6  | .1    | .8   | .0    | .3  | .0    | .1  | .0    | .0  | .0  | .0 | .5    | 5.1                  | 9.5  |
| WNW         | .0                 | .5  | .3   | 3.3  | .1    | .6   | .0    | .3  | .0    | .3  | .0    | .1  | .0  | .0 | .4    | 5.0                  | 9.9  |
| NW          | .0                 | .2  | .3   | 3.0  | .1    | .6   | .0    | .5  | .0    | .2  | .0    | .0  | .0  | .0 | .4    | 4.6                  | 10.3 |
| NNW         | .0                 | .2  | .4   | 4.2  | .1    | 1.3  | .0    | .6  | .0    | .4  | .0    | .1  | .0  | .0 | .6    | 6.7                  | 11.3 |
| CALM        | .4                 | 5.0 |      |      |       |      |       |     |       |     |       |     |     |    | .4    | 5.0                  |      |
| TOTAL       | .8                 | 8.9 | 5.3  | 60.3 | 1.4   | 15.4 | .8    | 9.3 | .4    | 4.5 | .1    | 1.4 | .0  | .1 | 8.8   | 100                  | 10.3 |

ILM WILMINGTON, NC

CLASS 3 /NIGHT

CEILING VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

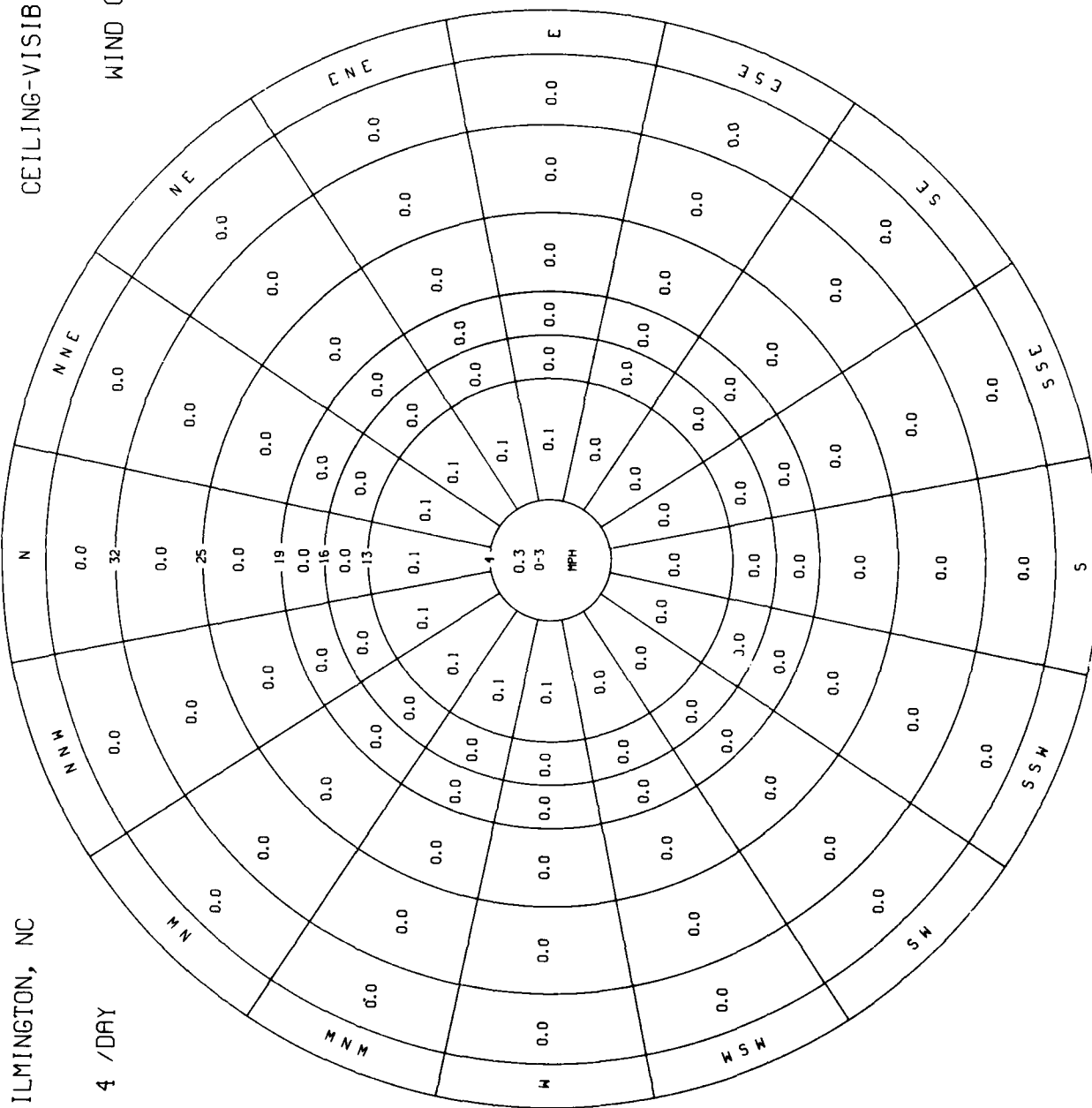
CLASS 3 / NIGHT

STATION NUMBER: 13748

NO. OBS.: 2137

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C    |
| N           | .0                 | .3   | .8   | 9.0  | .2    | 2.8  | .1    | 1.5 | .1    | 1.1 | .0    | .3 | .0  | .0 | 1.3                  | 14.9  | 11.5 |
| NNE         | .0                 | .3   | .7   | 8.3  | .2    | 2.3  | .1    | .7  | .0    | .4  | .0    | .1 | .0  | .0 | 1.0                  | 12.2  | 10.3 |
| NE          | .0                 | .2   | .5   | 6.2  | .1    | 1.4  | .0    | .5  | .0    | .3  | .0    | .0 | .0  | .0 | .7                   | 8.7   | 9.8  |
| ENE         | .1                 | .7   | .2   | 2.8  | .1    | 1.1  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4                   | 4.9   | 9.5  |
| E           | .0                 | .5   | .3   | 3.0  | .0    | .3   | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .4                   | 4.3   | 9.2  |
| ESE         | .0                 | .2   | .2   | 2.0  | .0    | .4   | .0    | .0  | .0    | .2  | .0    | .0 | .0  | .0 | .2                   | 2.8   | 8.6  |
| SE          | .0                 | .1   | .1   | 1.0  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .1 | .0  | .0 | .1                   | 1.7   | 10.4 |
| SSE         | .0                 | .0   | .1   | .8   | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .1 | .0  | .0 | .1                   | 1.4   | 12.1 |
| S           | .0                 | .2   | .3   | 2.9  | .1    | .6   | .1    | .7  | .0    | .3  | .0    | .0 | .0  | .0 | .4                   | 4.8   | 10.8 |
| SSW         | .0                 | .0   | .2   | 2.2  | .1    | .8   | .1    | .9  | .0    | .5  | .0    | .0 | .0  | .0 | .4                   | 4.5   | 12.8 |
| SW          | .0                 | .2   | .2   | 2.6  | .1    | 1.2  | .1    | .8  | .0    | .2  | .0    | .0 | .0  | .0 | .4                   | 5.1   | 12.0 |
| WSW         | .0                 | .2   | .3   | 3.2  | .0    | .4   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .4                   | 4.4   | 9.4  |
| W           | .0                 | .4   | .3   | 3.7  | .1    | .7   | .0    | .5  | .0    | .3  | .0    | .1 | .0  | .0 | .5                   | 5.7   | 10.4 |
| WNW         | .0                 | .5   | .2   | 2.9  | .1    | .8   | .0    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .4                   | 4.8   | 10.0 |
| NW          | .0                 | .1   | .3   | 3.2  | .1    | 1.3  | .0    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | .5                   | 5.3   | 10.6 |
| NNW         | .0                 | .3   | .4   | 4.2  | .2    | 1.8  | .1    | .9  | .0    | .2  | .0    | .1 | .0  | .0 | .6                   | 7.5   | 11.1 |
| CALM        | .6                 | 6.9  |      |      |       |      |       |     |       |     |       |    |     |    | .6                   | 6.9   |      |
| TOTAL       | 1.0                | 11.4 | 5.0  | 58.0 | 1.4   | 16.4 | .8    | 8.8 | .4    | 4.3 | .1    | .9 | .0  | .2 | 8.6                  | 100   | 9.9  |

CEILING-VISIBILITY  
WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 4 / DAY

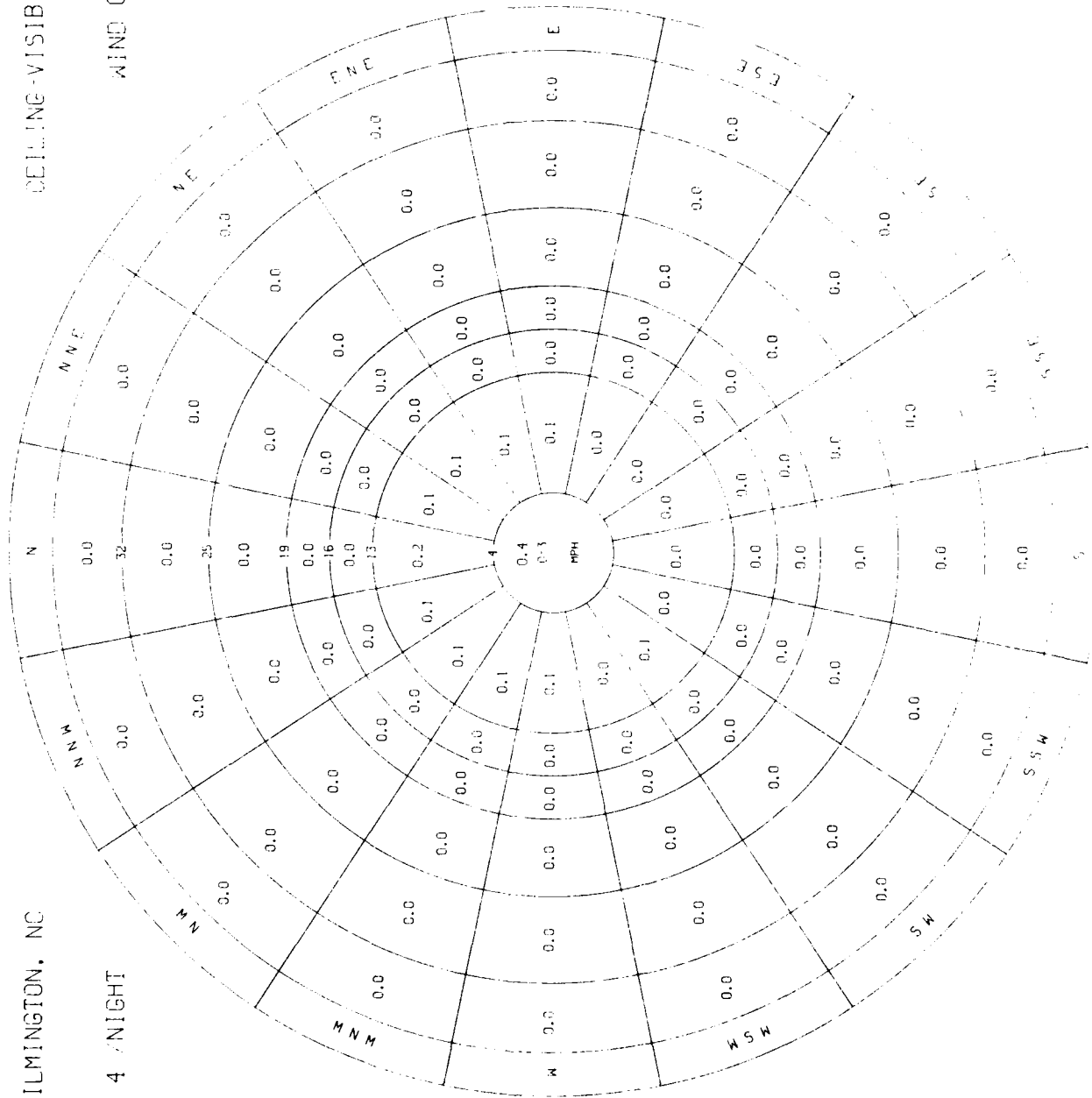
STATION NUMBER: 13748

NO. OBS.: 407

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |     |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|-----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |     | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B   | A   | B  |                      |
| N           | .0                 | 1.2  | .1   | 9.8  | .0    | 1.0 | .0    | 1.0 | .0    | .0  | .0    | .5  | .0  | .0 | .2 13.5              |
| NNE         | .0                 | .2   | .1   | 10.8 | .0    | .5  | .0    | .2  | .0    | .0  | .0    | .2  | .0  | .0 | .2 12.0              |
| NE          | .0                 | 1.2  | .1   | 8.8  | .0    | .7  | .0    | .0  | .0    | .2  | .0    | .0  | .0  | .0 | .1 11.1              |
| ENE         | .0                 | 1.0  | .1   | 5.7  | .0    | .2  | .0    | .5  | .0    | .0  | .0    | .0  | .0  | .0 | .1 7.4               |
| E           | .0                 | 1.0  | .1   | 4.4  | .0    | .0  | .0    | .5  | .0    | .5  | .0    | .5  | .0  | .0 | .1 6.9               |
| ESE         | .0                 | .2   | .0   | 1.2  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 1.7               |
| SE          | .0                 | .0   | .0   | 1.0  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 1.2               |
| SSE         | .0                 | .0   | .0   | .5   | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 .7                |
| S           | .0                 | .0   | .0   | 1.5  | .0    | .0  | .0    | .2  | .0    | .2  | .0    | .2  | .0  | .0 | .0 2.2               |
| SSW         | .0                 | .0   | .0   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 2.0               |
| SW          | .0                 | .0   | .0   | 3.2  | .0    | .5  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 3.7               |
| WSW         | .0                 | .0   | .0   | 2.5  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 2.7               |
| W           | .0                 | 1.2  | .1   | 3.9  | .0    | .5  | .0    | .0  | .0    | .2  | .0    | .0  | .0  | .0 | .1 5.9               |
| WNW         | .0                 | .2   | .1   | 4.2  | .0    | .2  | .0    | .2  | .0    | .5  | .0    | .0  | .0  | .0 | .1 5.4               |
| NW          | .0                 | .0   | .1   | 4.4  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .1 4.7               |
| NNW         | .0                 | .5   | .1   | 5.2  | .0    | .5  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .1 6.1               |
| CALM        | .2                 | 12.8 |      |      |       |     |       |     |       |     |       |     |     |    | .2 12.8              |
| TOTAL       | .3                 | 19.7 | .9   | 69.0 | .1    | 5.4 | .0    | 2.7 | .0    | 1.7 | .0    | 1.5 | .0  | .0 | 1.3 100              |
|             |                    |      |      |      |       |     |       |     |       |     |       |     |     |    | 7.3                  |

CELLING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

PERIOD: 1960-1978

STATION NAME: ELM WILMINGTON, NC

CLASS 4 / NIGHT

NO. OBS.: 404

STATION NUMBER: 13745

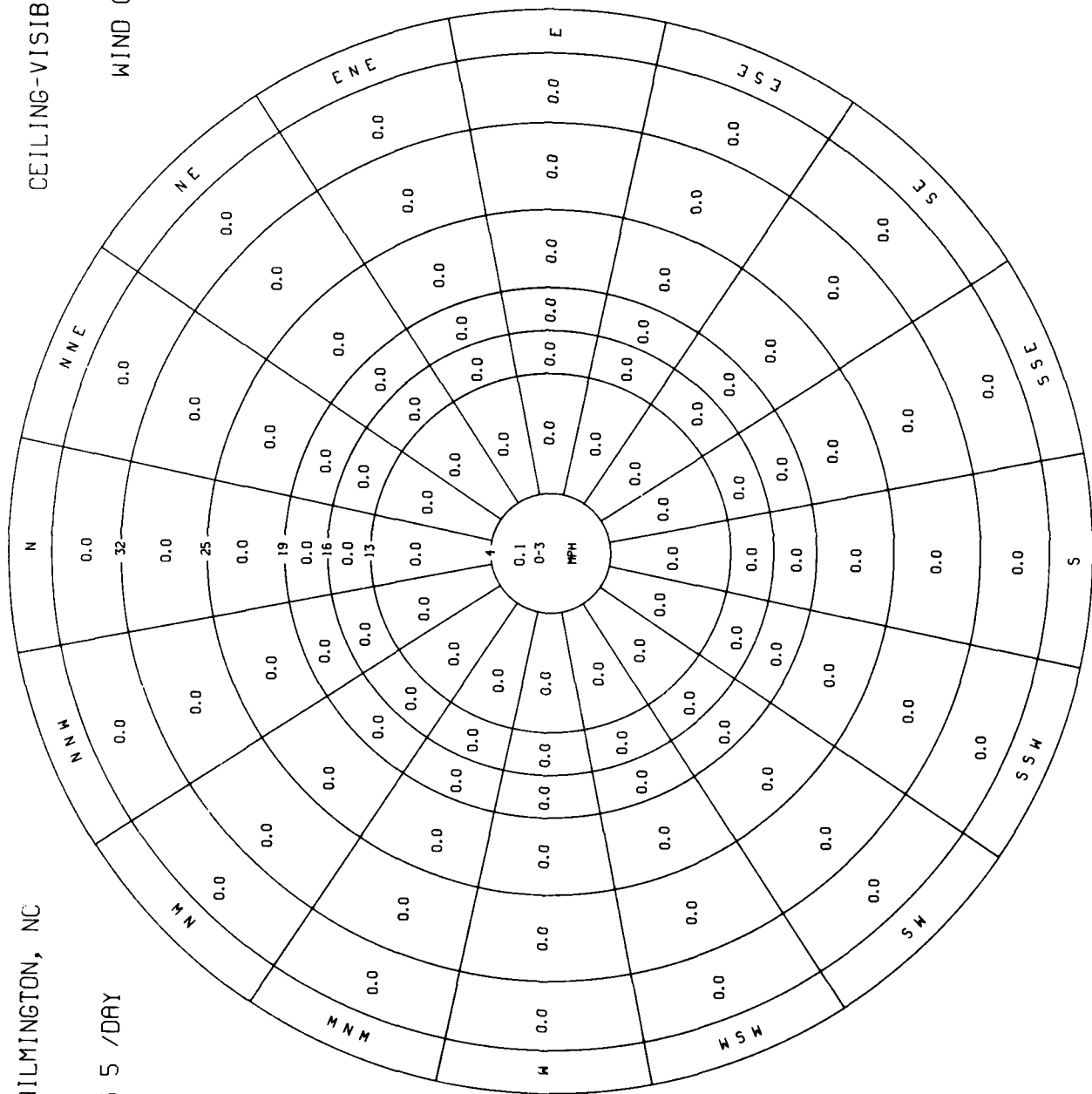
| D<br>I<br>R | SPEED GROUPS (MPH) |    |          |      |       |     |       |    |       |    |       |    |       |    | AVG<br>WIND<br>SPEED |          |      |     |
|-------------|--------------------|----|----------|------|-------|-----|-------|----|-------|----|-------|----|-------|----|----------------------|----------|------|-----|
|             | 0-3                |    | 4-12     |      | 13-15 |     | 16-18 |    | 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       | 10.4 | .0    | 1.2 | .0    | .0 | .0    | .0 | .0    | .0 | .2    | .0 | .0                   | .2       | 12.1 | 8.6 |
| NNE         | .0                 | .7 | .1       | 7.2  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .1       | 8.2  | 7.3 |
| NE          | .5                 | .5 | .1       | 6.7  | .0    | .2  | .0    | .0 | .0    | .5 | .0    | .0 | .0    | .0 | .0                   | .1       | 7.9  | 5.9 |
| ENE         | .0                 | .2 | .1       | 5.2  | .0    | .2  | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .1       | 5.9  | 7.9 |
| E           | .0                 | .7 | .1       | 5.9  | .0    | .5  | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .1       | 7.4  | 7.7 |
| ESE         | .5                 | .5 | .0       | 2.7  | .0    | .0  | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .1       | 3.5  | 6.7 |
| SE          | .0                 | .0 | .0       | 1.2  | .0    | .0  | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .0       | 1.5  | 9.0 |
| SSE         | .5                 | .5 | .0       | .0   | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .0       | 1.0  | 7.7 |
| S           | .0                 | .5 | .0       | 1.0  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .0       | 2.0  | 8.0 |
| SSW         | .0                 | .2 | .0       | 2.2  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .0       | 3.0  | 9.0 |
| SW          | .0                 | .0 | .1       | 4.2  | .0    | .2  | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .1       | 4.7  | 8.3 |
| WSW         | .0                 | .2 | .0       | 2.2  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .0       | 2.7  | 6.8 |
| W           | .0                 | .2 | .1       | 4.0  | .0    | .7  | .0    | .0 | .0    | .2 | .0    | .0 | .0    | .0 | .0                   | .1       | 5.7  | 9.4 |
| WNW         | .0                 | .2 | .1       | 5.0  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .1       | 5.9  | 9.0 |
| NW          | .0                 | .7 | .1       | 4.5  | .0    | .7  | .0    | .0 | .0    | .2 | .0    | .0 | .0    | .0 | .0                   | .1       | 6.2  | 9.0 |
| NNW         | .0                 | .5 | .1       | 5.2  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0                   | .1       | 6.2  | 8.0 |
| CALM        | 3 16.1             |    |          |      |       |     |       |    |       |    |       |    |       |    |                      | 3 16.1   |      |     |
| TOTAL       | 4 22.3             |    | 1 1 57.6 |      | 3 5.9 |     | 0 2.1 |    | 0 1.0 |    | 0 1.2 |    | 0 1.0 |    | 0 1.0                | 1 6 10.1 |      | 5.8 |

ILM WILMINGTON, NC

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 5 / DAY

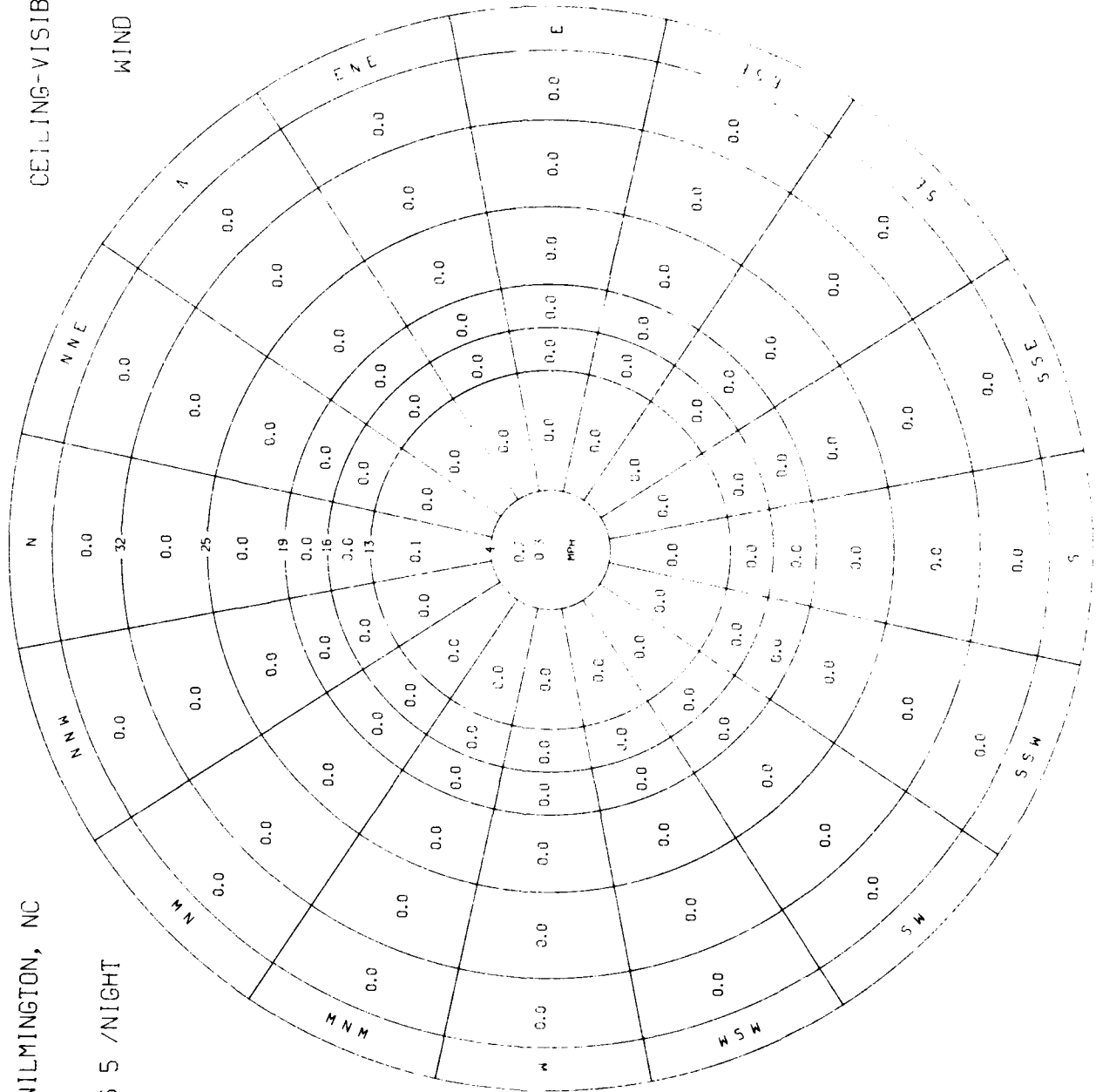
STATION NUMBER: 13748

NO. OBS.: 114

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |         |      |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|---------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 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   | 13.2 | .0    | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.16.7  | 7.2  |
| NNE         | .0                 | 1.8  | .0   | 10.5 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 12.3 | 6.1  |
| NE          | .0                 | .0   | .0   | 6.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 6.1  | 6.6  |
| ENE         | .0                 | .0   | .0   | 6.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 6.1  | 7.3  |
| E           | .0                 | .9   | .0   | 4.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 5.3  | 6.3  |
| ESE         | .0                 | .0   | .0   | 3.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 3.5  | 6.0  |
| SE          | .0                 | .9   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 .9   | 3.0  |
| SSE         | .0                 | .0   | .0   | .9   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 .9   | 6.0  |
| S           | .0                 | .0   | .0   | 1.8  | .0    | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 2.6  | 8.7  |
| SSW         | .0                 | .0   | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 1.8  | 9.5  |
| SW          | .0                 | 1.8  | .0   | 2.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 4.4  | 5.6  |
| WSW         | .0                 | .9   | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 2.6  | 5.3  |
| W           | .0                 | .0   | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 1.8  | 6.5  |
| WNW         | .0                 | .0   | .0   | 3.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .9 | .0  | .0 | .0                   | .0    | .0 4.4  | 11.6 |
| NW          | .0                 | .0   | .0   | 3.5  | .0    | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 4.4  | 9.0  |
| NNW         | .0                 | .9   | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 2.6  | 6.0  |
| CALM        | .1                 | 23.7 |      |      |       |     |       |    |       |    |       |    |     |    |                      | .1    | 23.7    |      |
| TOTAL       | .1                 | 33.3 | .2   | 63.2 | .0    | 2.6 | .0    | .0 | .0    | .0 | .0    | .9 | .0  | .0 | .0                   | .4    | 100     | 5.4  |

CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 5 / NIGHT

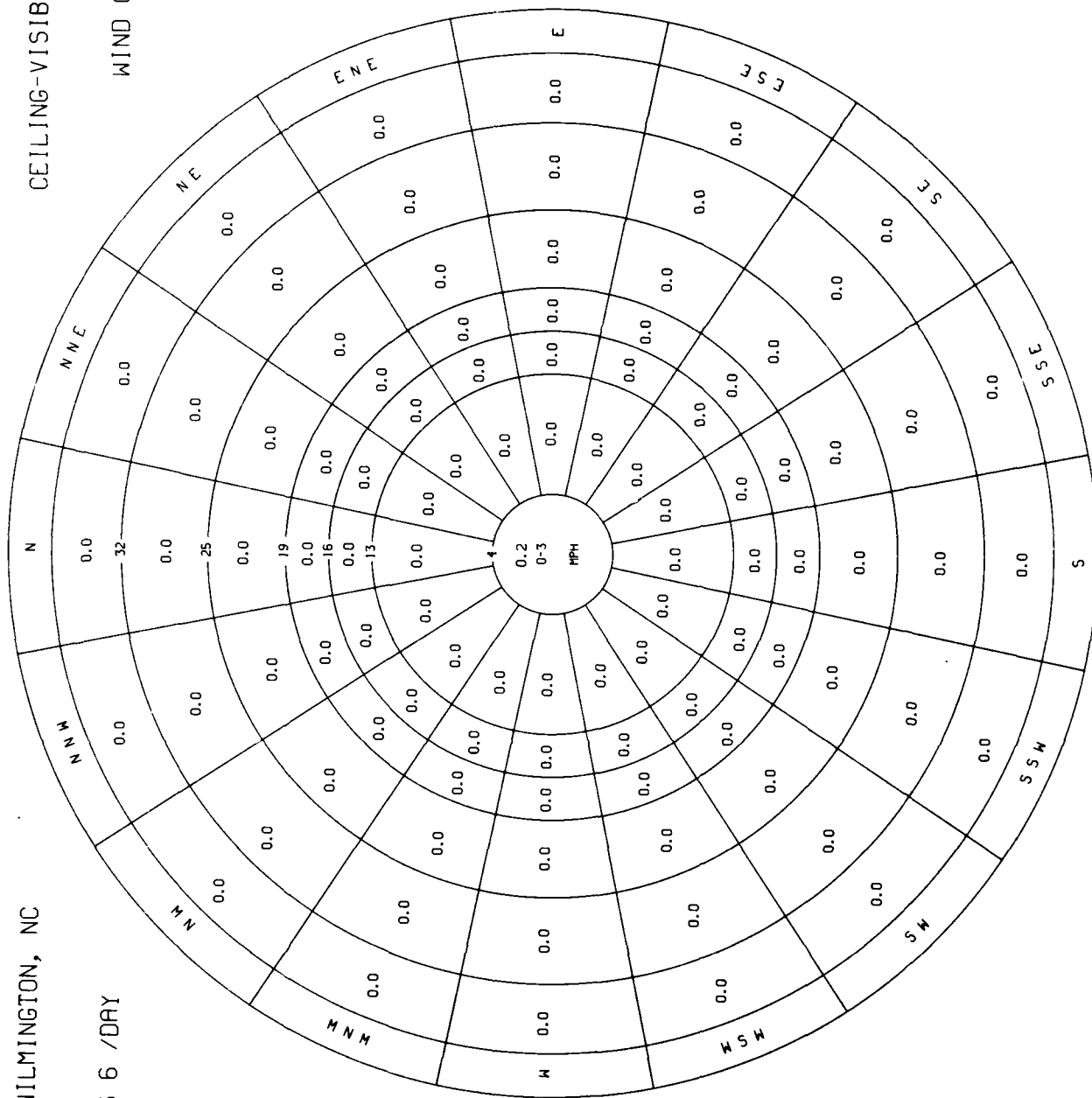
STATION NUMBER: 13748

NO. OBS.: 178

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | HVG<br>WIND<br>SPEED |       |    |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|----|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 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   | 9.6  | .0    | 1.7 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .1 | 11.8 | 7.1 |
| NNE         | .0                 | .0   | .0   | 5.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 5.1  | 6.8 |
| NE          | .0                 | 1.1  | .0   | 6.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .1 | 7.9  | 5.2 |
| ENE         | .0                 | 1.1  | .0   | 3.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 4.5  | 6.5 |
| E           | .0                 | 1.7  | .0   | 5.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 6.7  | 5.6 |
| ESE         | .0                 | .6   | .0   | 5.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 5.6  | 6.3 |
| SE          | .0                 | .6   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 2.8  | 6.0 |
| SSE         | .0                 | .0   | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 1.1  | 5.0 |
| S           | .0                 | .0   | .0   | .6   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | .6   | 5.0 |
| SSW         | .0                 | .0   | .0   | 3.4  | .0    | .0  | .0    | .0 | .0    | .0 | .6    | .0 | .0  | .0 | .0                   | .0    | .0 | 3.9  | 8.6 |
| SW          | .0                 | .6   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 2.8  | 5.0 |
| WSW         | .0                 | .6   | .0   | 2.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 3.4  | 5.5 |
| W           | .0                 | .0   | .0   | 3.9  | .0    | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 4.5  | 8.0 |
| WNW         | .0                 | 2.2  | .0   | 3.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 5.6  | 5.3 |
| NW          | .0                 | 1.7  | .0   | 3.9  | .0    | .0  | .0    | .6 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 6.2  | 7.1 |
| NNW         | .0                 | 1.1  | .0   | 5.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 6.2  | 6.1 |
| CALM        | .2                 | 21.3 |      |      |       |     |       |    |       |    |       |    |     |    |                      |       | .2 | 21.3 |     |
| TOTAL       | .2                 | 33.1 | .5   | 63.5 | .0    | 2.2 | .0    | .6 | .0    | .6 | .0    | .0 | .0  | .0 | .0                   | .0    | .7 | 100  | 5.1 |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: ILM WILMINGTON, NC

PERIOD: 1960-1978

CLASS 6 / DAY

STATION NUMBER: 13748

NO. OBS.: 82

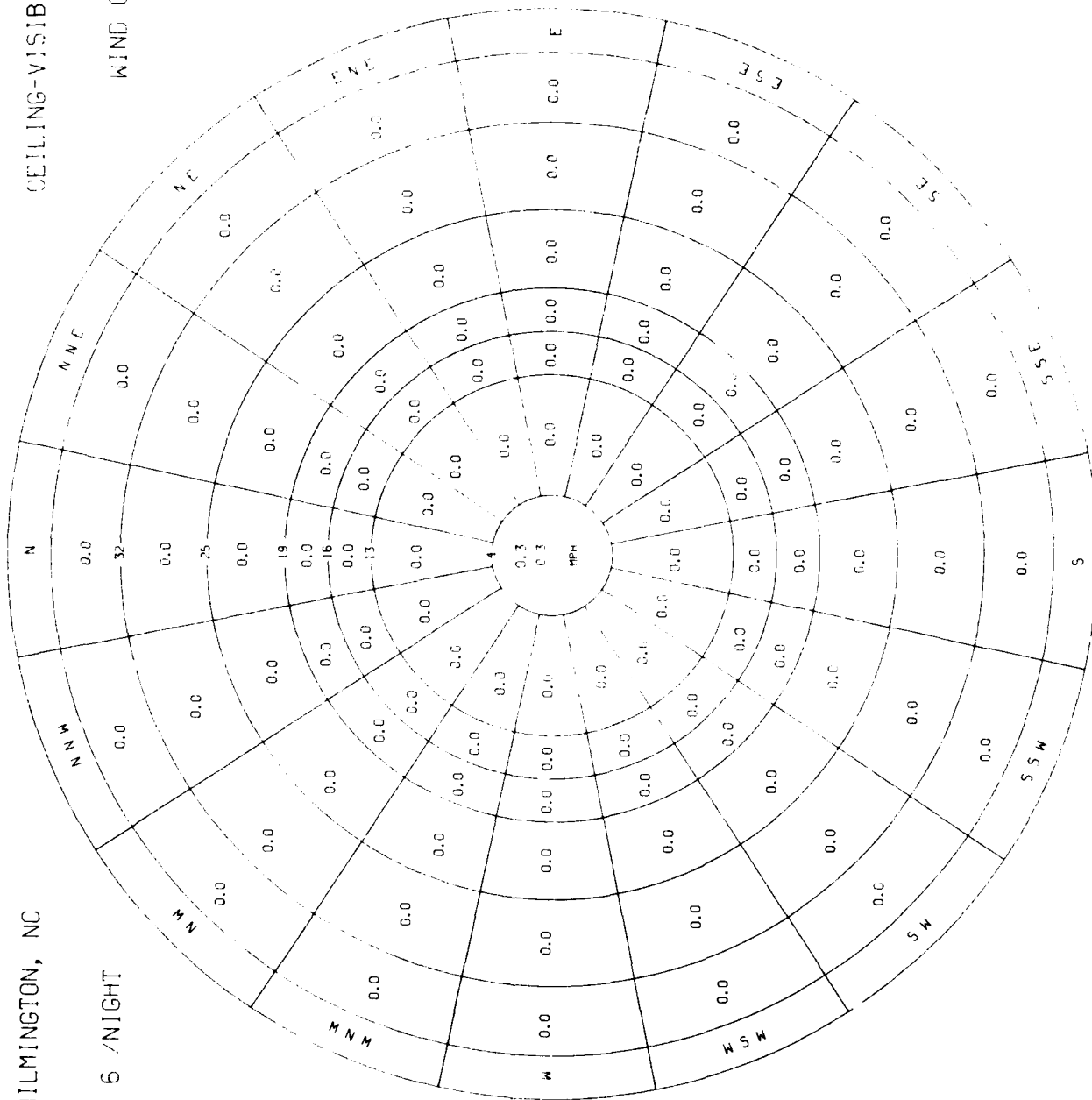
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      | C     | D   |
| N           | .0                 | .0   | .0   | 4.9  | .0    | 1.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.1   | 8.4 |
| NNE         | .0                 | 1.2  | .0   | 2.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.7   | 5.0 |
| NE          | .0                 | .0   | .0   | 1.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   | 7.0 |
| ENE         | .0                 | 1.2  | .0   | 2.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.7   | 5.0 |
| E           | .0                 | 1.2  | .0   | 2.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.7   | 4.7 |
| ESE         | .0                 | .0   | .0   | 3.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.7   | 5.0 |
| SE          | .0                 | 1.2  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   | 3.0 |
| SSE         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0  |
| S           | .0                 | .0   | .0   | 1.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   | 7.0 |
| SSW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0  |
| SW          | .0                 | .0   | .0   | 2.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.4   | 5.0 |
| WSW         | .0                 | .0   | .0   | 2.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.4   | 9.0 |
| W           | .0                 | 2.4  | .0   | 2.4  | .0    | 1.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.1   | 6.0 |
| WNW         | .0                 | 2.4  | .0   | 4.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.3   | 4.7 |
| NW          | .0                 | .0   | .0   | 3.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.7   | 5.7 |
| NNW         | .0                 | 1.2  | .0   | 3.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.9   | 5.7 |
| CALM        | .1                 | 48.8 |      |      |       |     |       |    |       |    |       |    |     |    | .1                   | 48.8  |     |
| TOTAL       | .2                 | 59.8 | .1   | 37.8 | .0    | 2.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3                   | 100   | 3.0 |

CEILING-VISIBILITY

WIND GRAPH

ILM WILMINGTON, NC

CLASS 6 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

PERIOD: 1960-1978

STATION NAME: ILM WILMINGTON, NC

CLASS 6 / NIGHT

NO. OBS.: 133

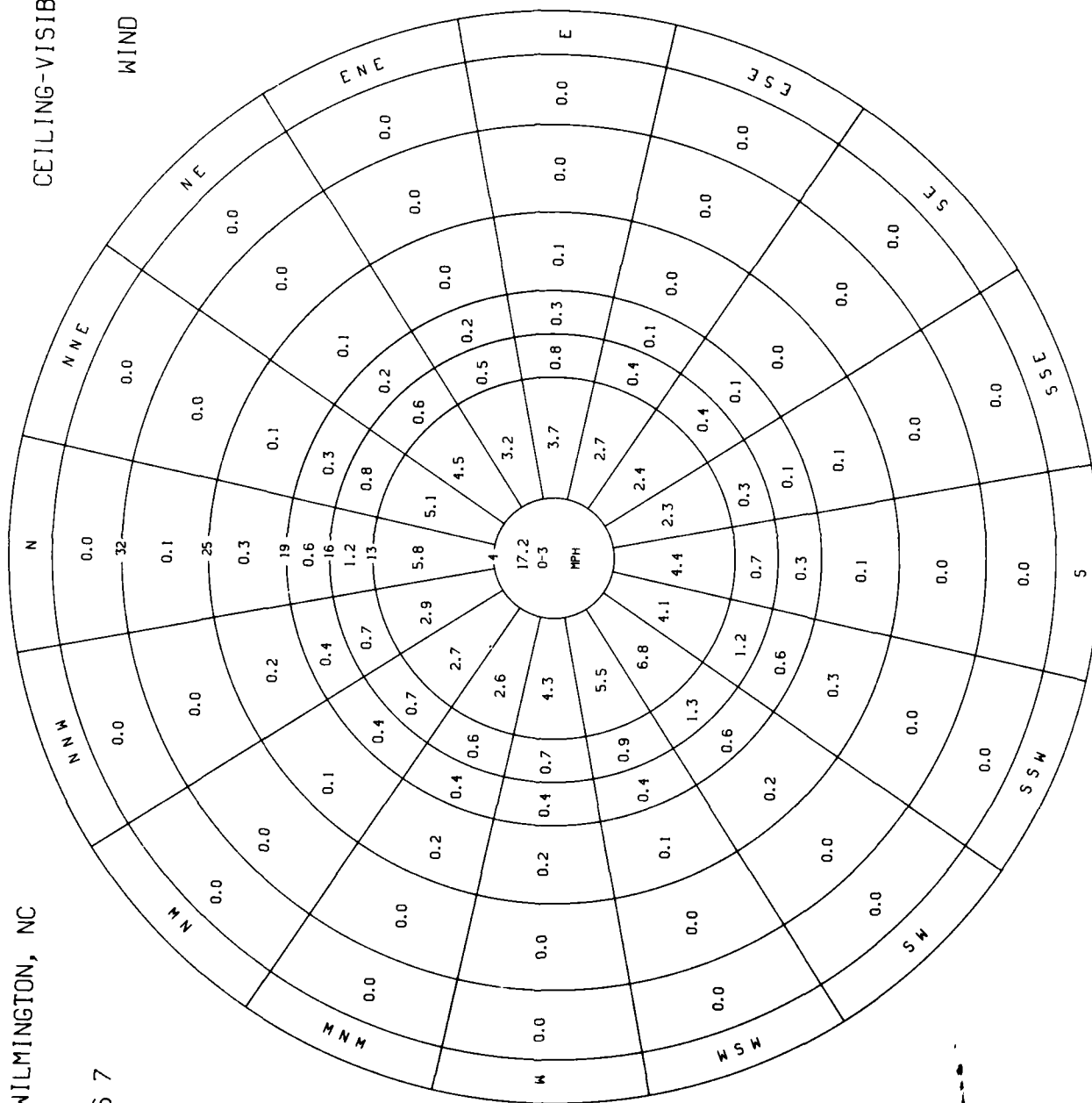
STATION NUMBER: 13748

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 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   | 4.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.3   | 5.9 |
| NNE         | .0                 | .8   | .0   | 4.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.3   | 5.6 |
| NENE        | .0                 | 1.5  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 3.0 |
| ENE         | .0                 | .8   | .0   | 3.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.5   | 5.3 |
| E           | .0                 | 3.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.5   | 4.8 |
| ESE         | .0                 | .0   | .0   | 2.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 6.7 |
| SE          | .0                 | 2.3  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.8   | 4.6 |
| SSE         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0  |
| S           | .0                 | .0   | .0   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.0   | 5.0 |
| SSW         | .0                 | .0   | .0   | 3.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.8   | 7.4 |
| SW          | .0                 | 2.3  | .0   | 5.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.5   | 5.6 |
| WSW         | .0                 | .8   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 5.0 |
| W           | .0                 | .8   | .0   | 5.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.0   | 5.8 |
| WNW         | .0                 | .8   | .0   | 2.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.0   | 5.0 |
| NW          | .0                 | .0   | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 7.5 |
| NNW         | .0                 | .0   | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 6.0 |
| CALM        | .2                 | 45.1 |      |      |       |    |       |    |       |    |       |    |     |    | .2                   | 45.1  |     |
| TOTAL       | .3                 | 58.6 | .2   | 41.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .5                   | 100   | 3.0 |

# CEILING-VISIBILITY

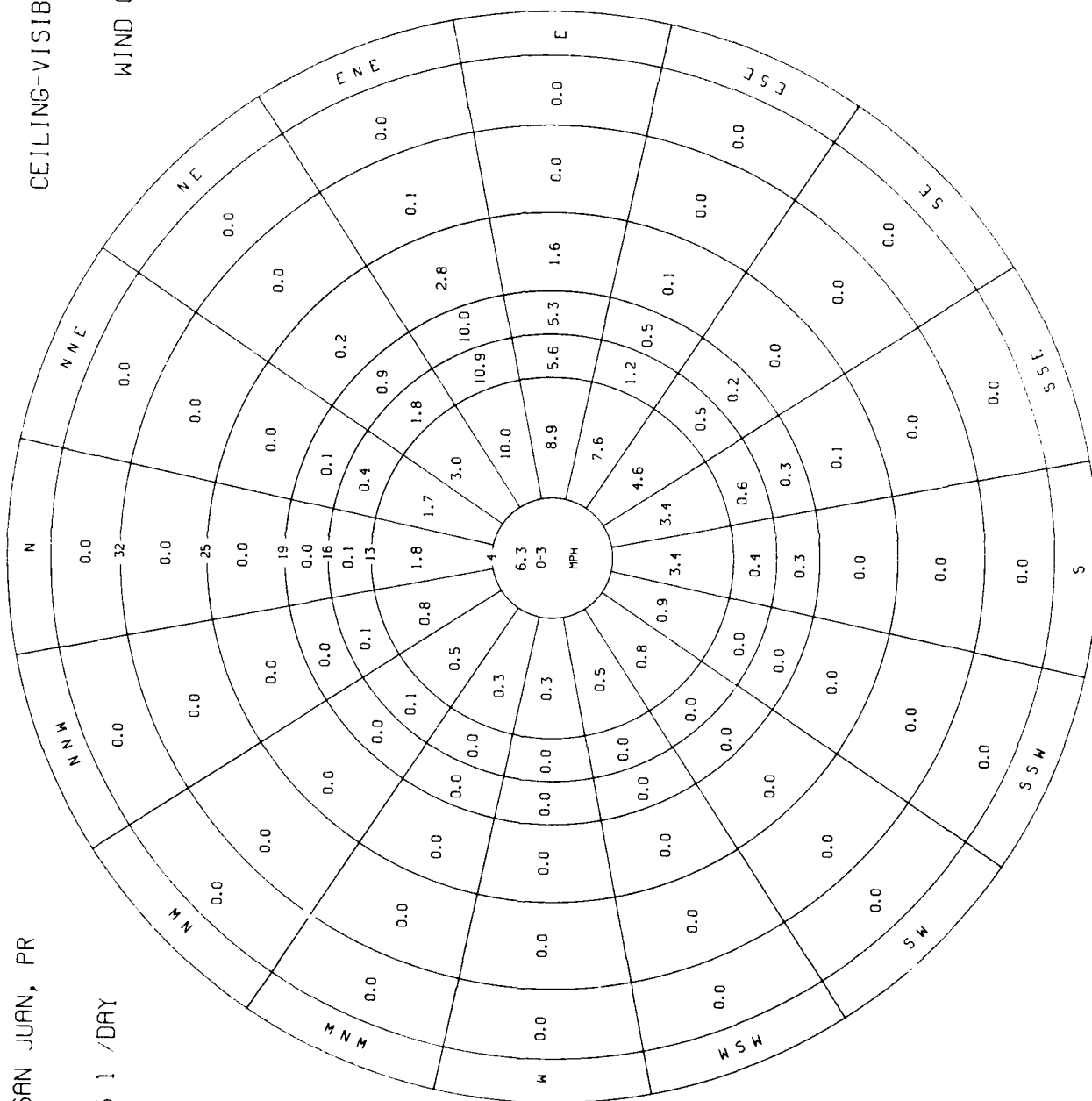
CLASS 7

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



756

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 1 / DAY

STATION NUMBER: 11641

NO. OBS.: 33386

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 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  | 1.8  | 1.8  | .1    | .1   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | 2.0                  | 2.0   | 8.9  |
| NNE         | .0                 | .0  | 1.7  | 1.7  | .4    | .4   | .1    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | 2.3                  | 2.4   | 10.9 |
| NE          | .0                 | .0  | 3.0  | 3.0  | 1.8   | 1.8  | .9    | 1.0  | .2    | .2  | .0    | .0 | .0  | .0 | 6.0                  | 6.0   | 12.5 |
| ENE         | .1                 | .1  | 10.0 | 10.1 | 10.9  | 10.9 | 10.0  | 10.0 | 2.8   | 2.8 | .1    | .1 | .0  | .0 | 33.8                 | 34.0  | 14.3 |
| E           | .2                 | .2  | 8.9  | 9.0  | 5.6   | 5.7  | 5.3   | 5.3  | 1.6   | 1.7 | .0    | .0 | .0  | .0 | 21.7                 | 21.9  | 13.2 |
| ESE         | .3                 | .3  | 7.6  | 7.6  | 1.2   | 1.2  | .5    | .5   | .1    | .1  | .0    | .0 | .0  | .0 | 9.7                  | 9.7   | 9.1  |
| SE          | .3                 | .3  | 4.6  | 4.6  | .5    | .5   | .2    | .2   | .0    | .0  | .0    | .0 | .0  | .0 | 5.7                  | 5.7   | 8.0  |
| SSE         | .3                 | .4  | 3.4  | 3.4  | .6    | .6   | .3    | .3   | .1    | .1  | .0    | .0 | .0  | .0 | 4.8                  | 4.8   | 8.8  |
| S           | .5                 | .5  | 3.4  | 3.4  | .4    | .4   | .3    | .3   | .0    | .0  | .0    | .0 | .0  | .0 | 4.5                  | 4.6   | 7.8  |
| SSW         | .2                 | .2  | .9   | .9   | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | 1.1                  | 1.1   | 6.5  |
| SW          | .1                 | .1  | .8   | .8   | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .9                   | .9    | 6.2  |
| WSW         | .1                 | .1  | .5   | .5   | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .6                   | .6    | 6.7  |
| W           | .1                 | .1  | .3   | .3   | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | .4    | 6.9  |
| WNW         | .0                 | .0  | .3   | .3   | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | .4    | 8.5  |
| NW          | .0                 | .0  | .5   | .5   | .1    | .1   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .6                   | .6    | 9.4  |
| NNW         | .0                 | .0  | .8   | .9   | .1    | .1   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | 1.0                  | 1.0   | 8.5  |
| CALM        | 3.9                | 4.0 |      |      |       |      |       |      |       |     |       |    |     |    | 3.9                  | 4.0   |      |
| TOTAL       | 6.3                | 6.3 | 48.6 | 48.9 | 21.8  | 22.0 | 17.7  | 17.8 | 4.9   | 4.9 | .1    | .1 | .0  | .0 | 99.4                 | 100   | 11.4 |



# CEILING-VISIBILITY

## WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 1 / NIGHT

STATION NUMBER: 11641

NO. OBS.: 33378

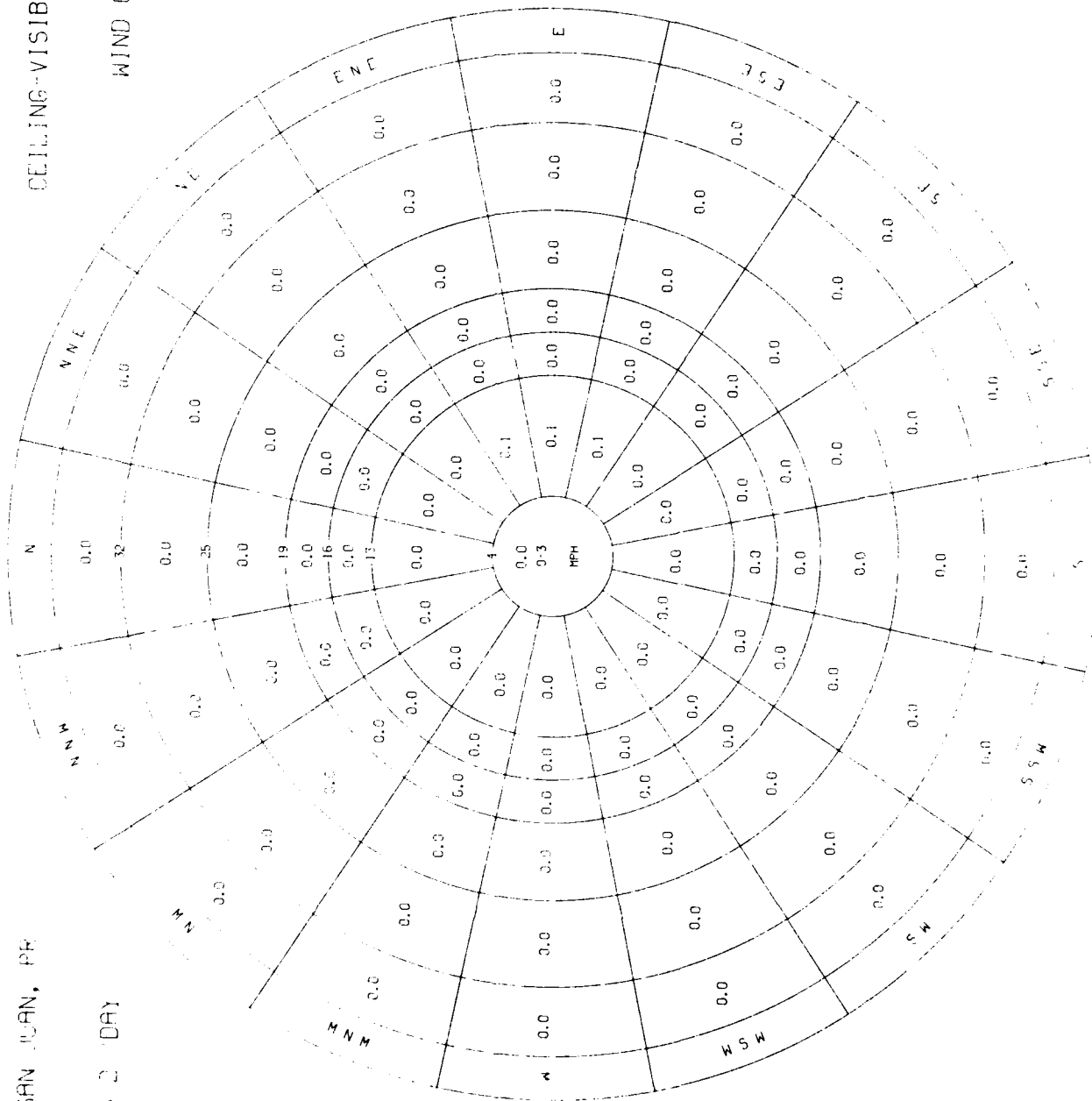
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | .0   | .5   | .5   | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .7                   |
| NNE         | .0                 | .0   | .7   | .7   | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.1                  |
| NE          | .1                 | .1   | 2.1  | 2.1  | .7    | .7  | .3    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | 3.3                  |
| ENE         | .2                 | .2   | 6.8  | 6.9  | 2.7   | 2.7 | 1.1   | 1.1 | .3    | .3 | .0    | .0 | .0  | .0 | 11.1                 |
| E           | .7                 | .7   | 11.9 | 12.0 | 2.1   | 2.2 | .9    | .9  | .1    | .1 | .0    | .0 | .0  | .0 | 15.8                 |
| ESE         | 1.6                | 1.6  | 13.8 | 13.9 | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 15.6                 |
| SE          | 1.7                | 1.7  | 10.9 | 11.0 | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 12.7                 |
| SSE         | 1.6                | 1.6  | 7.3  | 7.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 8.9                  |
| S           | 1.7                | 1.7  | 6.4  | 6.5  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 8.2                  |
| SSW         | .4                 | .4   | 1.9  | 1.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.4                  |
| SW          | .3                 | .3   | 1.5  | 1.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.8                  |
| WSW         | .2                 | .2   | 1.1  | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.3                  |
| W           | .1                 | .1   | .5   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .6                   |
| WNW         | .0                 | .0   | .2   | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   |
| NW          | .0                 | .0   | .2   | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   |
| NNW         | .0                 | .0   | .2   | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3                   |
| CALM        | 15.2               | 15.3 |      |      |       |     |       |     |       |    |       |    |     |    | 15.2                 |
| TOTAL       | 23.9               | 24.0 | 66.0 | 66.4 | 6.2   | 6.2 | 2.6   | 2.6 | .7    | .7 | .0    | .0 | .0  | .0 | 99.4                 |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 100                  |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 6.4                  |

SJU SAN JUAN, PR

CLASS 2 DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: SAN JUAN, PR

PERIOD: 1956-1978

CLASS 2 / DAY

STATION NUMBER: 11641

NO. OBS.: 200

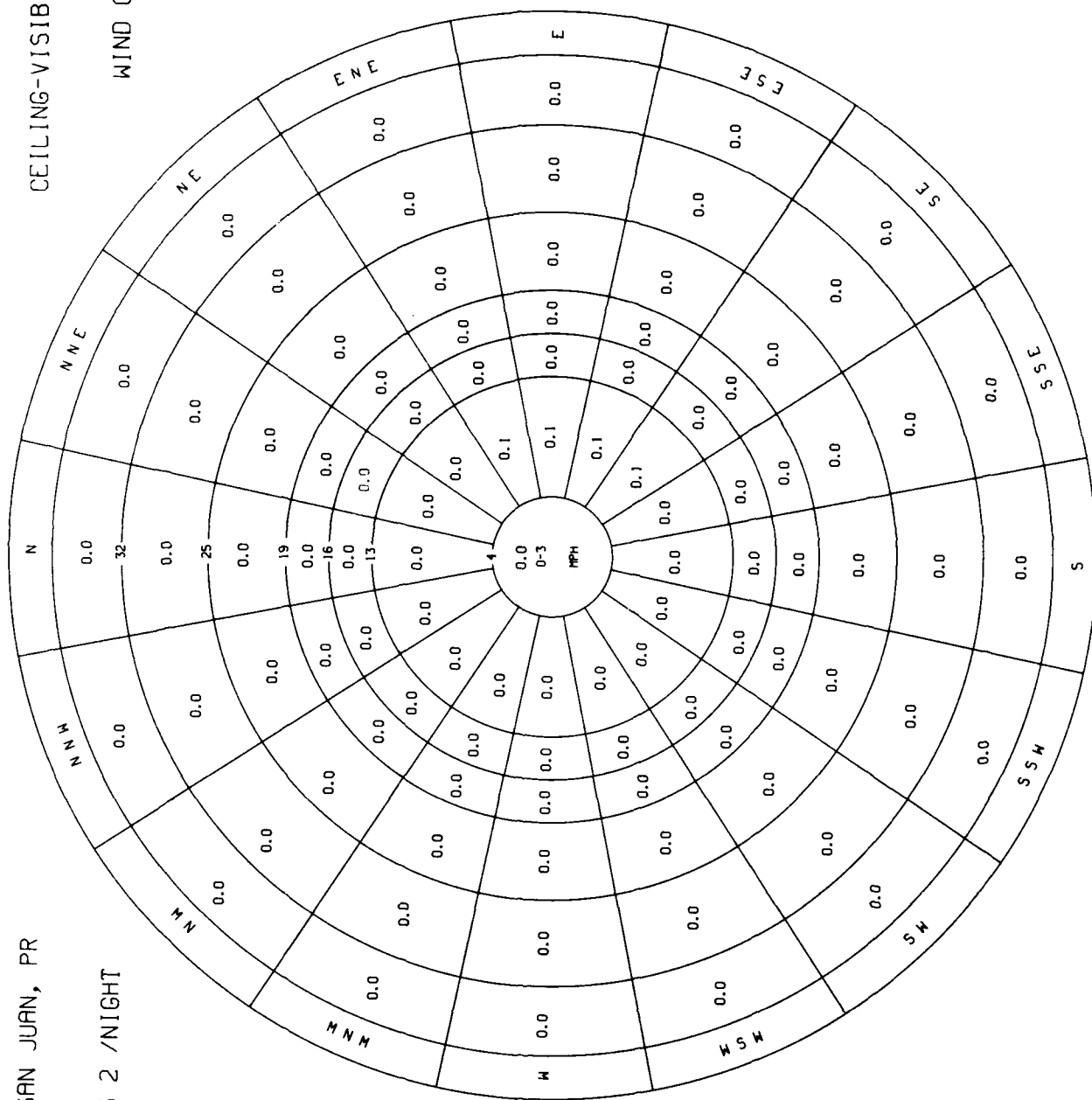
| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B    | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .0  | .0   | .0   | .0    | .5   | .0    | .5   | .0    | .0  | .0    | .0 | .0  | .0 | .0 1.0               |
| NNE         | .0                 | .0  | .0   | 1.0  | .0    | 1.5  | .0    | .5   | .0    | .0  | .0    | .0 | .0  | .0 | .0 3.0               |
| NE          | .0                 | .0  | .0   | 2.5  | .0    | 2.0  | .0    | 2.5  | .0    | .0  | .0    | .0 | .0  | .5 | .0 7.5               |
| ENE         | .0                 | .0  | .1   | 8.5  | .0    | 3.0  | .0    | 3.5  | .0    | 1.5 | .0    | .5 | .0  | .0 | .1 17.0              |
| E           | .0                 | .5  | .1   | 9.0  | .0    | 4.5  | .0    | 2.0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 16.0              |
| ESE         | .0                 | .0  | .1   | 13.5 | .0    | 2.0  | .0    | 1.5  | .0    | 1.0 | .0    | .0 | .0  | .0 | .1 18.0              |
| SE          | .0                 | .0  | .0   | 7.5  | .0    | 1.0  | .0    | 1.0  | .0    | .5  | .0    | .0 | .0  | .0 | .1 10.0              |
| SSE         | .0                 | .0  | .0   | 2.5  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.5               |
| S           | .0                 | .5  | .0   | 5.0  | .0    | 1.0  | .0    | 1.0  | .0    | .5  | .0    | .0 | .0  | .0 | .0 8.0               |
| SSW         | .0                 | .0  | .0   | 1.0  | .0    | .0   | .0    | .5   | .0    | .5  | .0    | .0 | .0  | .0 | .0 2.0               |
| SW          | .0                 | .0  | .0   | 2.0  | .0    | .5   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.5               |
| WSW         | .0                 | .0  | .0   | 2.5  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.5               |
| W           | .0                 | .0  | .0   | 3.0  | .0    | .5   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0 3.5               |
| WNW         | .0                 | .0  | .0   | .0   | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0 .0                |
| NW          | .0                 | .0  | .0   | 1.0  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0 1.0               |
| NNW         | .0                 | .0  | .0   | 1.0  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0 1.0               |
| CALM        | .0                 | 4.5 |      |      |       |      |       |      |       |     |       |    |     |    | .0 4.5               |
| TOTAL       | .0                 | 5.5 | .4   | 60.0 | .1    | 16.5 | .1    | 13.0 | .0    | 4.0 | .0    | .5 | .0  | .5 | .6 10.0              |
|             |                    |     |      |      |       |      |       |      |       |     |       |    |     |    | 11.0                 |

SJU SAN JUAN, PR

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 2 / NIGHT

STATION NUMBER: 11641

NO. OBS.: 208

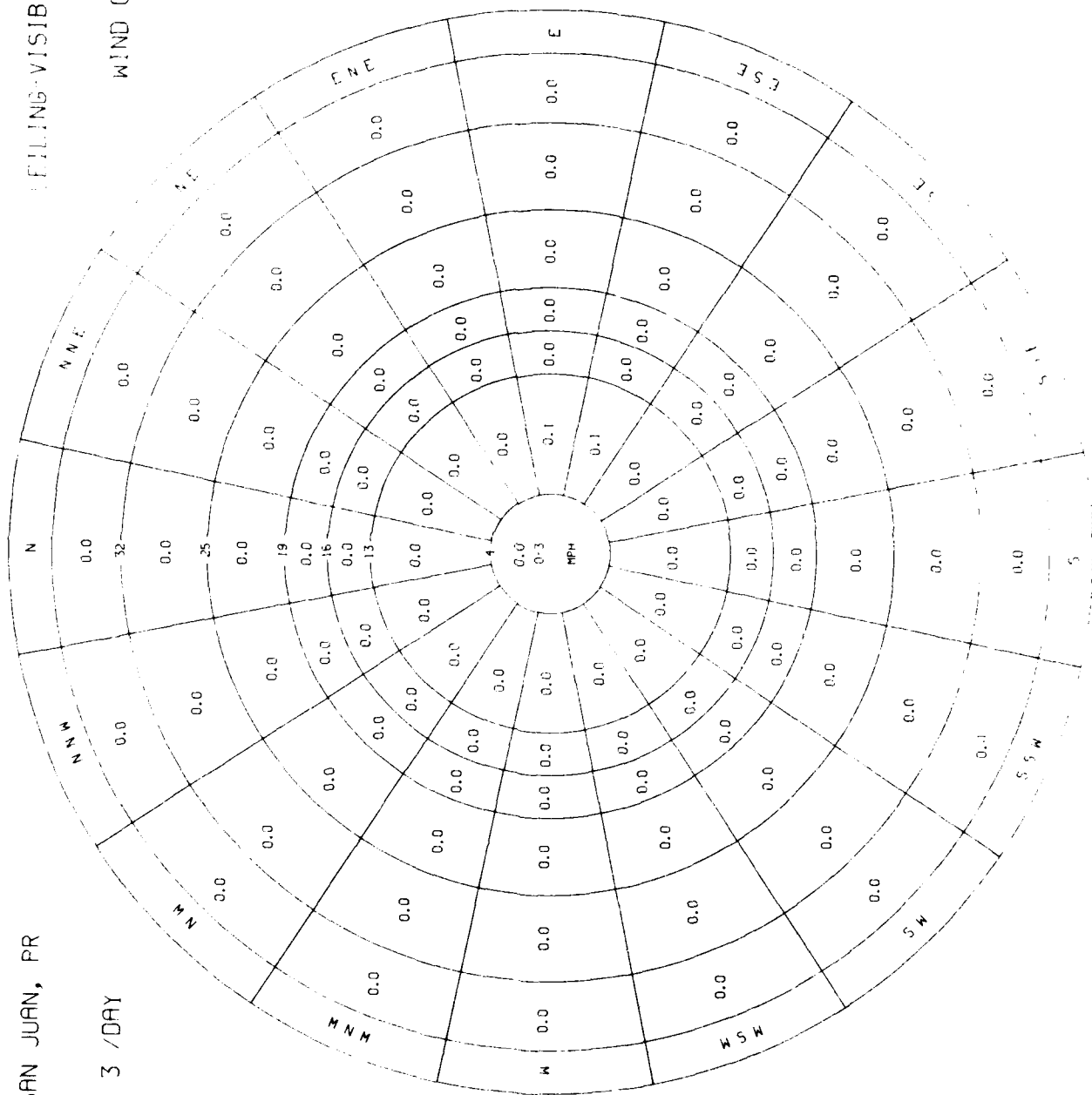
| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |     |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|-----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |     | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B   | A     | B   | A     | B   | A   | B  |                      |
| N           | .0                 | .0  | .0   | 1.9  | .0    | .5   | .0    | .0  | .0    | 1.0 | .0    | .0  | .0  | .0 | .0 3.4               |
| NNE         | .0                 | .0  | .0   | 1.4  | .0    | 1.0  | .0    | 1.0 | .0    | 1.0 | .0    | .0  | .0  | .0 | .0 4.3               |
| NE          | .0                 | .0  | .0   | 2.9  | .0    | .5   | .0    | 1.4 | .0    | 1.0 | .0    | .5  | .0  | .0 | .0 6.3               |
| ENE         | .0                 | .5  | .1   | 8.2  | .0    | 1.9  | .0    | 3.8 | .0    | 1.0 | .0    | .0  | .0  | .0 | .1 15.4              |
| E           | .0                 | 1.0 | .1   | 11.1 | .0    | 2.9  | .0    | 1.4 | .0    | .0  | .0    | .0  | .0  | .0 | .1 16.3              |
| ESE         | .0                 | .0  | .1   | 12.0 | .0    | 1.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .1 13.0              |
| SE          | .0                 | .0  | .1   | 9.6  | .0    | .5   | .0    | .5  | .0    | .5  | .0    | .0  | .0  | .0 | .1 11.1              |
| SSE         | .0                 | 1.0 | .0   | 6.3  | .0    | .5   | .0    | .0  | .0    | .0  | .0    | .0  | .5  | .0 | .1 8.2               |
| S           | .0                 | .5  | .0   | 5.3  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 5.8               |
| SSW         | .0                 | .0  | .0   | 2.4  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 2.4               |
| SW          | .0                 | .0  | .0   | 2.4  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 2.4               |
| WSW         | .0                 | .0  | .0   | 1.9  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 1.9               |
| W           | .0                 | .0  | .0   | .5   | .0    | 1.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 1.4               |
| WNW         | .0                 | .5  | .0   | 1.0  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 1.4               |
| NW          | .0                 | .0  | .0   | .5   | .0    | 1.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0 1.4               |
| NNW         | .0                 | .0  | .0   | 1.4  | .0    | .5   | .0    | .0  | .0    | .0  | .5    | .0  | .0  | .0 | .0 2.4               |
| CALM        | .0                 | 2.9 |      |      |       |      |       |     |       |     |       |     |     |    | .0 2.9               |
| TOTAL       | .0                 | 6.3 | .4   | 68.8 | .1    | 11.1 | .1    | 8.2 | .0    | 4.3 | .0    | 1.0 | .0  | .5 | .6 100               |
|             |                    |     |      |      |       |      |       |     |       |     |       |     |     |    | 9.8                  |

SJU SAN JUAN, PR

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 3 / DAY

STATION NUMBER: 11641

NO. OBS.: 186

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |      |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|-------|----------------------|------|------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |      |
|             | A                  | B   | A    | B    | A     | B    | A     | B    | A     | B   | A     | B  | A   | B  |       |                      |      |      |
|             |                    |     |      |      |       |      |       |      |       |     |       |    |     |    |       |                      |      |      |
| N           | .0                 | .0  | .0   | .0   | .0    | .5   | .0    | .5   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 1.1  | 15.5 |
| NNE         | .0                 | .0  | .0   | 1.1  | .0    | 1.6  | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.7  | 12.4 |
| NE          | .0                 | .0  | .0   | 2.7  | .0    | 2.2  | .0    | 2.7  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 7.5  | 13.3 |
| ENE         | .0                 | .0  | .0   | 8.6  | .0    | 2.7  | .0    | 3.2  | .0    | 1.6 | .0    | .5 | .0  | .0 | .0    | .1                   | 16.7 | 13.6 |
| E           | .0                 | .0  | .1   | 9.1  | .0    | 4.3  | .0    | 1.6  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .1                   | 15.1 | 11.2 |
| ESE         | .0                 | .0  | .1   | 14.5 | .0    | 2.2  | .0    | 1.6  | .0    | .5  | .0    | .0 | .0  | .0 | .0    | .1                   | 18.8 | 10.3 |
| SE          | .0                 | .0  | .0   | 7.0  | .0    | 1.1  | .0    | 1.1  | .0    | .5  | .0    | .0 | .0  | .0 | .0    | .1                   | 9.7  | 10.9 |
| SSE         | .0                 | .0  | .0   | 2.7  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.7  | 8.8  |
| S           | .0                 | .5  | .0   | 5.4  | .0    | 1.1  | .0    | 1.1  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 8.1  | 9.8  |
| SSW         | .0                 | .0  | .0   | 1.1  | .0    | .0   | .0    | .5   | .0    | .5  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.2  | 12.7 |
| SW          | .0                 | .0  | .0   | 1.6  | .0    | .5   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.2  | 12.2 |
| WSW         | .0                 | .0  | .0   | 2.7  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.7  | 7.4  |
| W           | .0                 | .0  | .0   | 3.2  | .0    | .5   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 3.8  | 9.1  |
| WNW         | .0                 | .0  | .0   | .0   | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | .0   | .0   |
| NW          | .0                 | .0  | .0   | 1.1  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 1.1  | 7.0  |
| NNW         | .0                 | .0  | .0   | 1.1  | .0    | .0   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 1.1  | 7.0  |
| CALM        | .0                 | 4.8 |      |      |       |      |       |      |       |     |       |    |     |    |       |                      |      |      |
| TOTAL       | .0                 | 5.4 | .3   | 61.8 | .1    | 16.7 | .1    | 12.4 | .0    | 3.2 | .0    | .5 | .0  | .0 | .0    | .6                   | 100  | 10.7 |

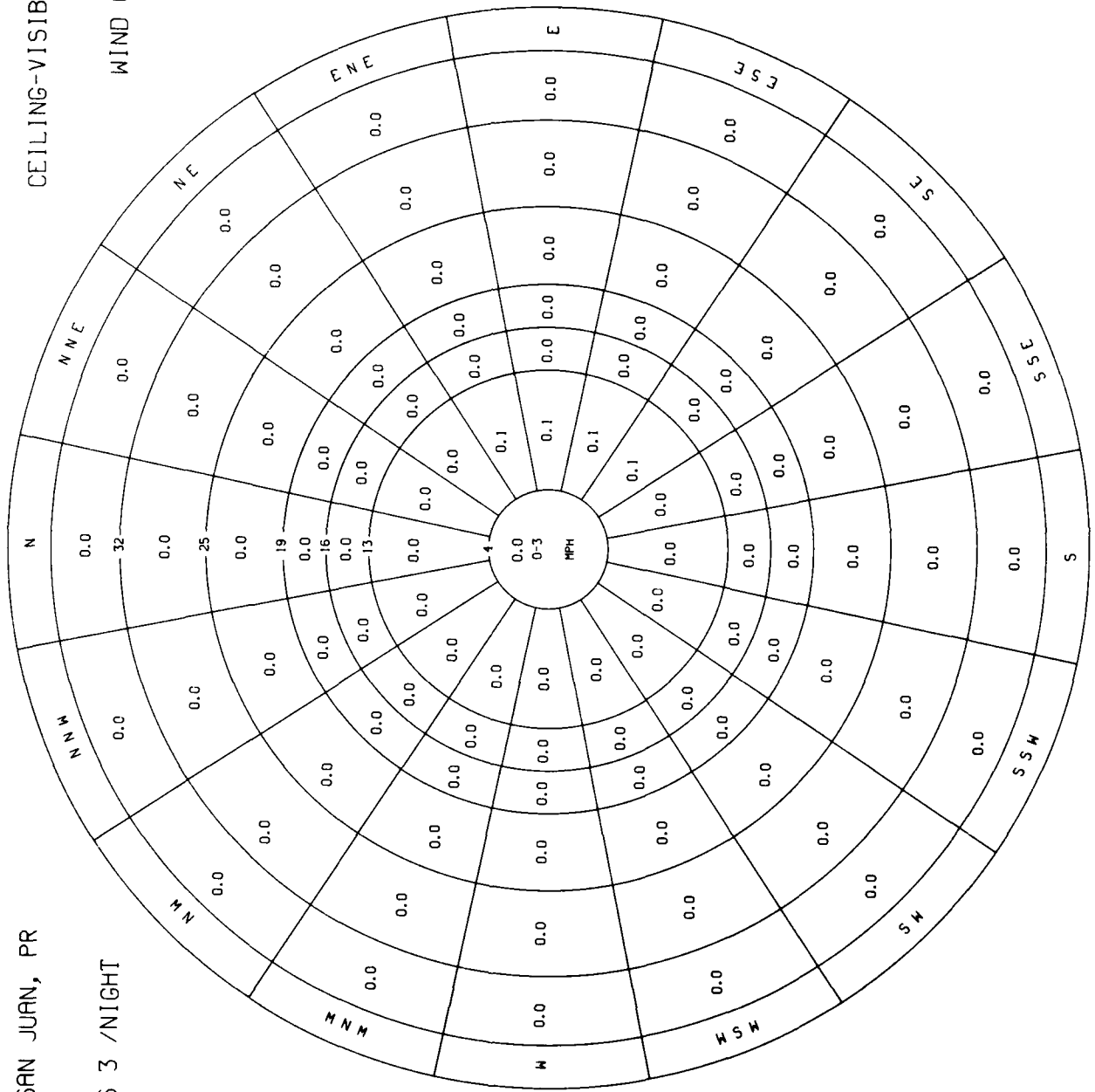


SJU SAN JUAN, PR

CLASS 3 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 3 / NIGHT

STATION NUMBER: 11641

NO. OBS.: 205

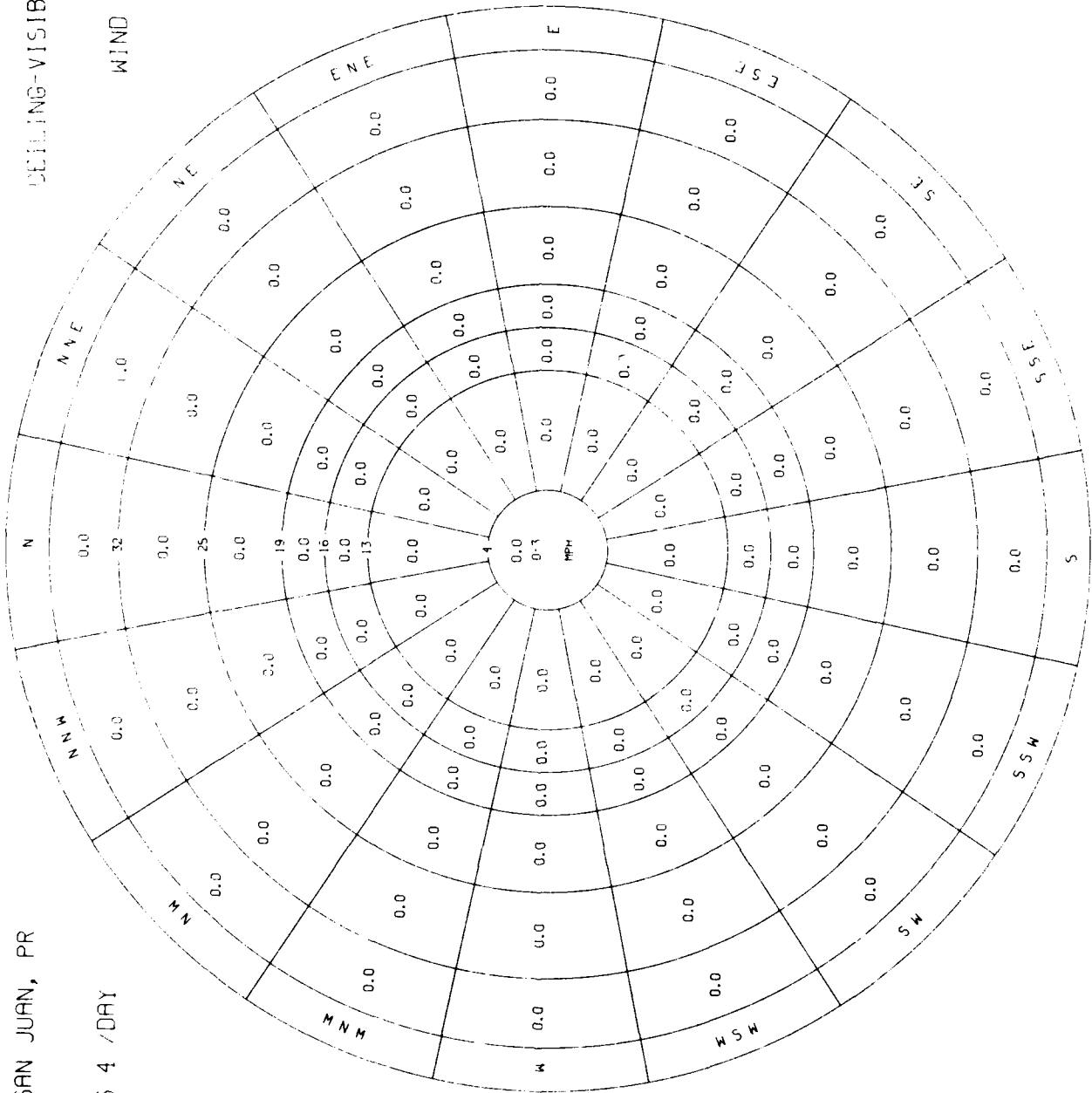
| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |     |     |    |       | AVG<br>WIND<br>SPEED |  |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|-----|-----|----|-------|----------------------|--|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 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    | .5   | .0    | .0  | .0    | 1.0 | .0    | .0  | .0  | .0 | .0    | 3.4                  |  |
| NNE         | .0                 | .0  | .0   | 1.5  | .0    | 1.0  | .0    | 1.0 | .0    | 1.0 | .0    | .0  | .0  | .0 | .0    | 4.4                  |  |
| NE          | .0                 | .0  | .0   | 2.9  | .0    | .5   | .0    | 1.5 | .0    | 1.0 | .0    | .5  | .0  | .0 | .0    | 6.3                  |  |
| ENE         | .0                 | .5  | .1   | 8.3  | .0    | 2.0  | .0    | 3.9 | .0    | 1.0 | .0    | .0  | .0  | .0 | .1    | 15.6                 |  |
| E           | .0                 | 1.0 | .1   | 11.2 | .0    | 2.4  | .0    | 1.5 | .0    | .0  | .0    | .0  | .0  | .0 | .1    | 16.1                 |  |
| ESE         | .0                 | .0  | .1   | 12.2 | .0    | 1.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .1    | 13.2                 |  |
| SE          | .0                 | .0  | .1   | 9.8  | .0    | .5   | .0    | .5  | .0    | .5  | .0    | .0  | .0  | .0 | .1    | 11.2                 |  |
| SSE         | .0                 | 1.0 | .0   | 5.9  | .0    | .5   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 7.8                  |  |
| S           | .0                 | .5  | .0   | 4.9  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 9.3                  |  |
| SSW         | .0                 | .0  | .0   | 2.4  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 5.9                  |  |
| SW          | .0                 | .0  | .0   | 2.4  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 7.0                  |  |
| WSW         | .0                 | .0  | .0   | 2.0  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 7.2                  |  |
| W           | .0                 | .0  | .0   | .5   | .0    | 1.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 6.7                  |  |
| WNW         | .0                 | .5  | .0   | 1.0  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 11.7                 |  |
| NW          | .0                 | .0  | .0   | .5   | .0    | 1.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 4.7                  |  |
| NNW         | .0                 | .0  | .0   | 1.5  | .0    | .5   | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | .0    | 11.3                 |  |
| CALM        | .0                 | 2.9 |      |      |       |      |       |     |       |     |       |     |     | .0 | .0    | 15.2                 |  |
| TOTAL       | .0                 | 6.3 | .4   | 68.8 | .1    | 10.7 | .1    | 8.3 | .0    | 4.4 | .0    | 1.0 | .0  | .5 | .6    | 100                  |  |
|             |                    |     |      |      |       |      |       |     |       |     |       |     |     |    |       | 9.8                  |  |

SJU SAN JUAN, PR

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 4 / DAY

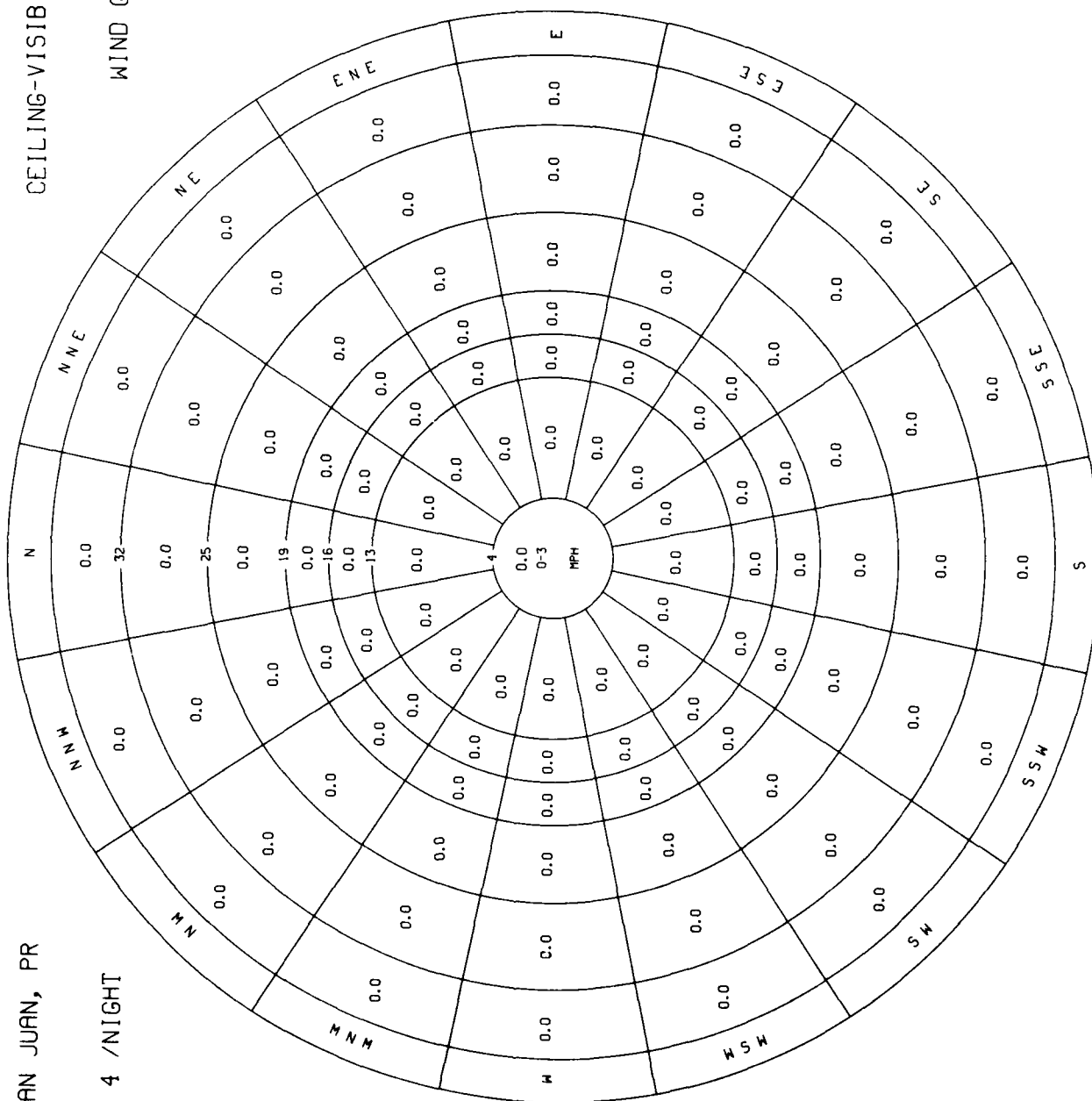
STATION NUMBER: 11641

NO. OBS.: 13

| D<br>I<br>R | SPEED GROUPS (MPH) |    |      |    |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |    |
|-------------|--------------------|----|------|----|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|----|
|             | 0-3                |    | 4-12 |    | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |    |
|             | A                  | B  | A    | B  | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C  |
| N           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| NNE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| NE          | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| ENE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| E           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| ESE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| SE          | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| SSE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| S           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| SSW         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| SW          | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| WSW         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |
| W           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .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 |      |    |       |    |       |    |       |    |       |    |     |    |                      |       |    |
| TOTAL       | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 |

CEILING-VISIBILITY

WIND GRAPH



SJU SAN JUAN, PR

CLASS 4 / NIGHT

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 4 / NIGHT

STATION NUMBER: 11641

NO. OBS.: 1

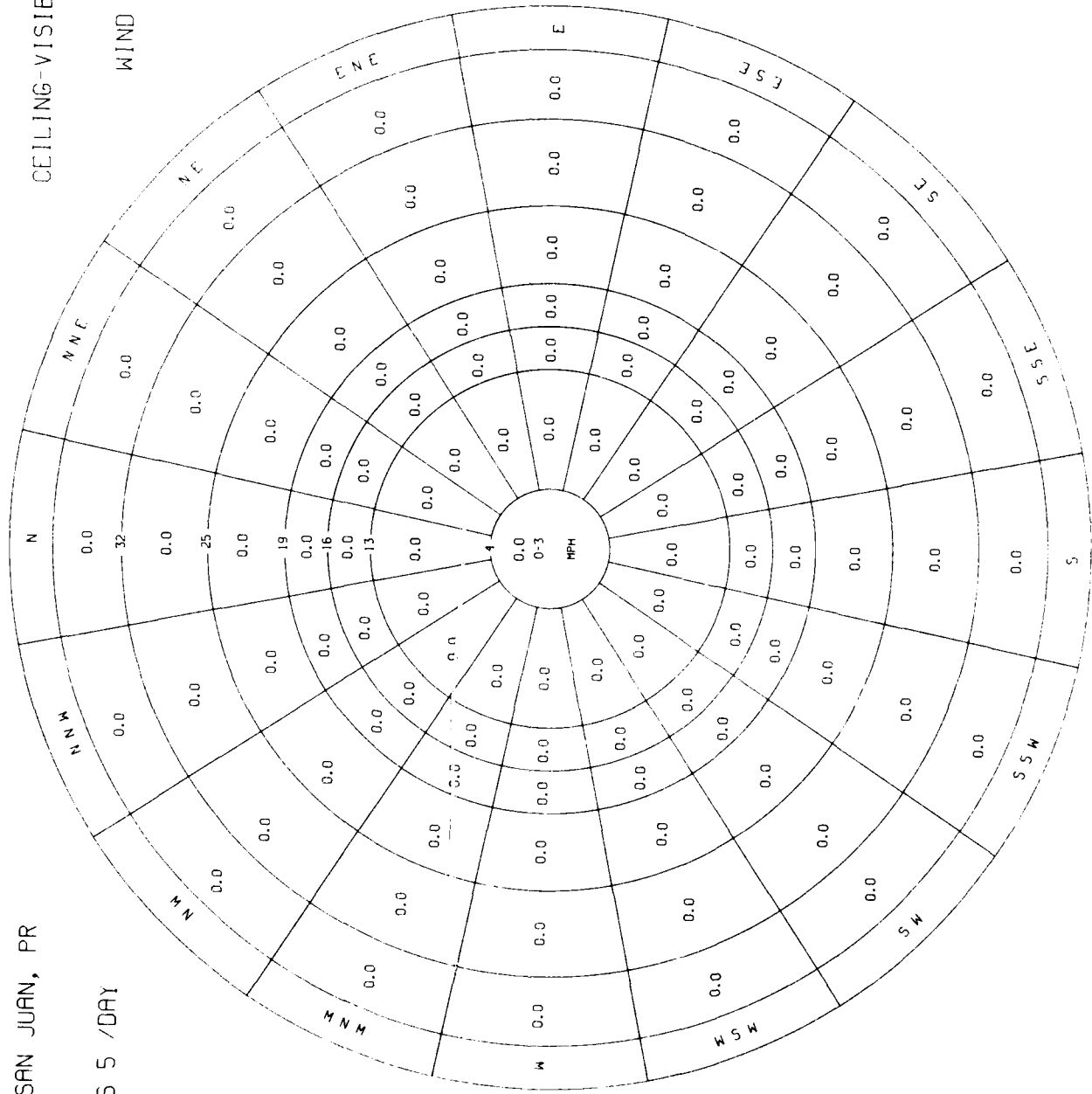
| D<br>I<br>R | SPEED GROUPS (MPH) |    |      |    |         |    |       |    |       |    |       |    |     |         | AVG<br>WIND<br>SPEED |
|-------------|--------------------|----|------|----|---------|----|-------|----|-------|----|-------|----|-----|---------|----------------------|
|             | 0-3                |    | 4-12 |    | 13-15   |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |         | TOTAL                |
|             | A                  | B  | A    | B  | A       | B  | A     | B  | A     | B  | A     | B  | A   | B       |                      |
| N           | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| NNE         | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| NE          | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| ENE         | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| E           | .0                 | .0 | .0   | .0 | .0100.0 | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0100.0 | 14.0                 |
| ESE         | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| SE          | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| SSE         | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| S           | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| SSW         | .0                 | .0 | .0   | .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                   |
| WSW         | .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                   |
| WNW         | .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                   |
| NNW         | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | .0                   |
| CALM        | .0                 | .0 |      |    |         |    |       |    |       |    |       |    |     |         |                      |
| TOTAL       | .0                 | .0 | .0   | .0 | .0100.0 | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0      | 14.0                 |

SJU SAN JUAN, PR

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: SJU SAN JUAN, PR

PERIOD: 1956-1978

CLASS 5 / DAY

STATION NUMBER: 11641

NO. OBS.: 0

| D<br>I<br>R | SPEED GROUPS (MPH) |    |      |    |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|----|------|----|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |    | 4-12 |    | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B  | A    | B  | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NNE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NE          | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| ENE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| E           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| ESE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SE          | .0                 | .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                   |
| S           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SSW         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SW          | .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                   |
| W           | .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                   |
| NW          | .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                   |
| CALM        | .0                 | .0 |      |    |       |    |       |    |       |    |       |    |     |    | .0                   |
| TOTAL       | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |

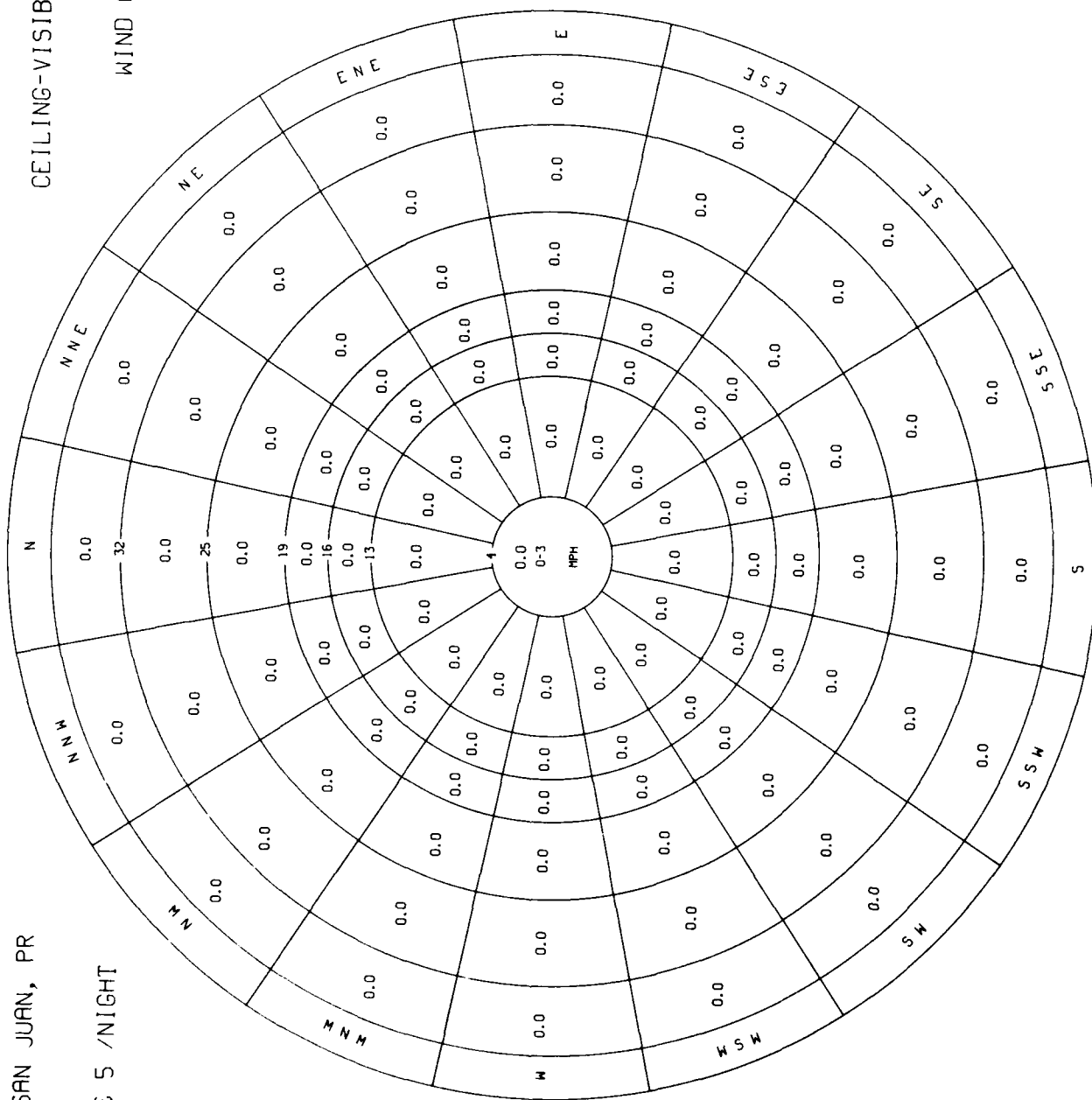


SJU SAN JUAN, PR

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

PERIOD: 1956-1978

STATION NAME: SJU SAN JUAN, PR

CLASS 5 / NIGHT

NO. OBS.: 0

STATION NUMBER: 11641

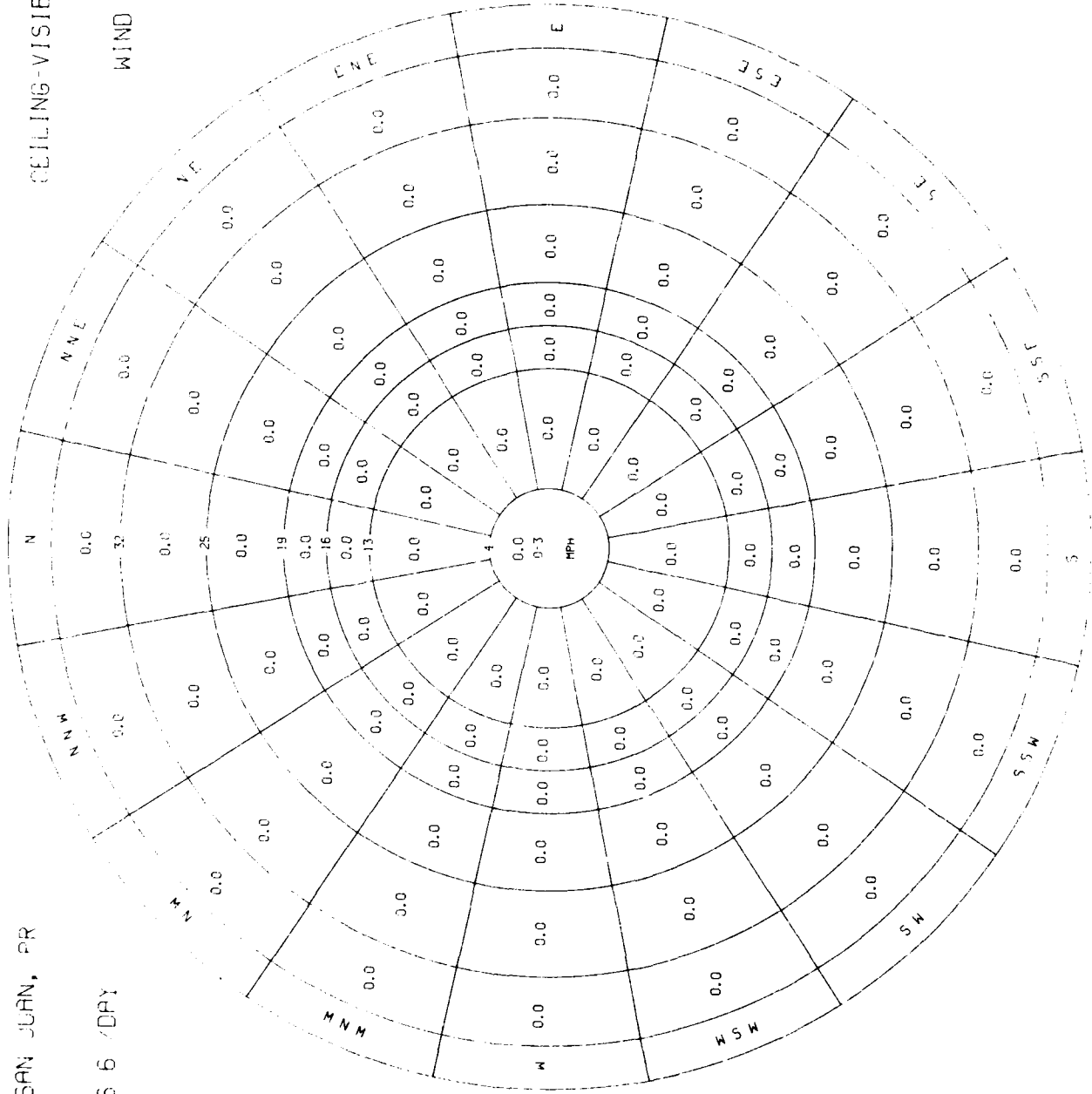
| D<br>I<br>R | SPEED GROUPS (MPH) |    |      |    |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|----|------|----|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |    | 4-12 |    | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B  | A    | B  | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NNE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NE          | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| ENE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| E           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| ESE         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SE          | .0                 | .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                   |
| S           | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SSW         | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SW          | .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                   |
| W           | .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                   |
| NW          | .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                   |
| CALM        | .0                 | .0 |      |    |       |    |       |    |       |    |       |    |     |    | .0                   |
| TOTAL       | .0                 | .0 | .0   | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |

SJU SAN JUAN, PR

CLASS 6 / DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1956-1978

STATION NAME: SAN JUAN, PR

CLASS 6 / DAY

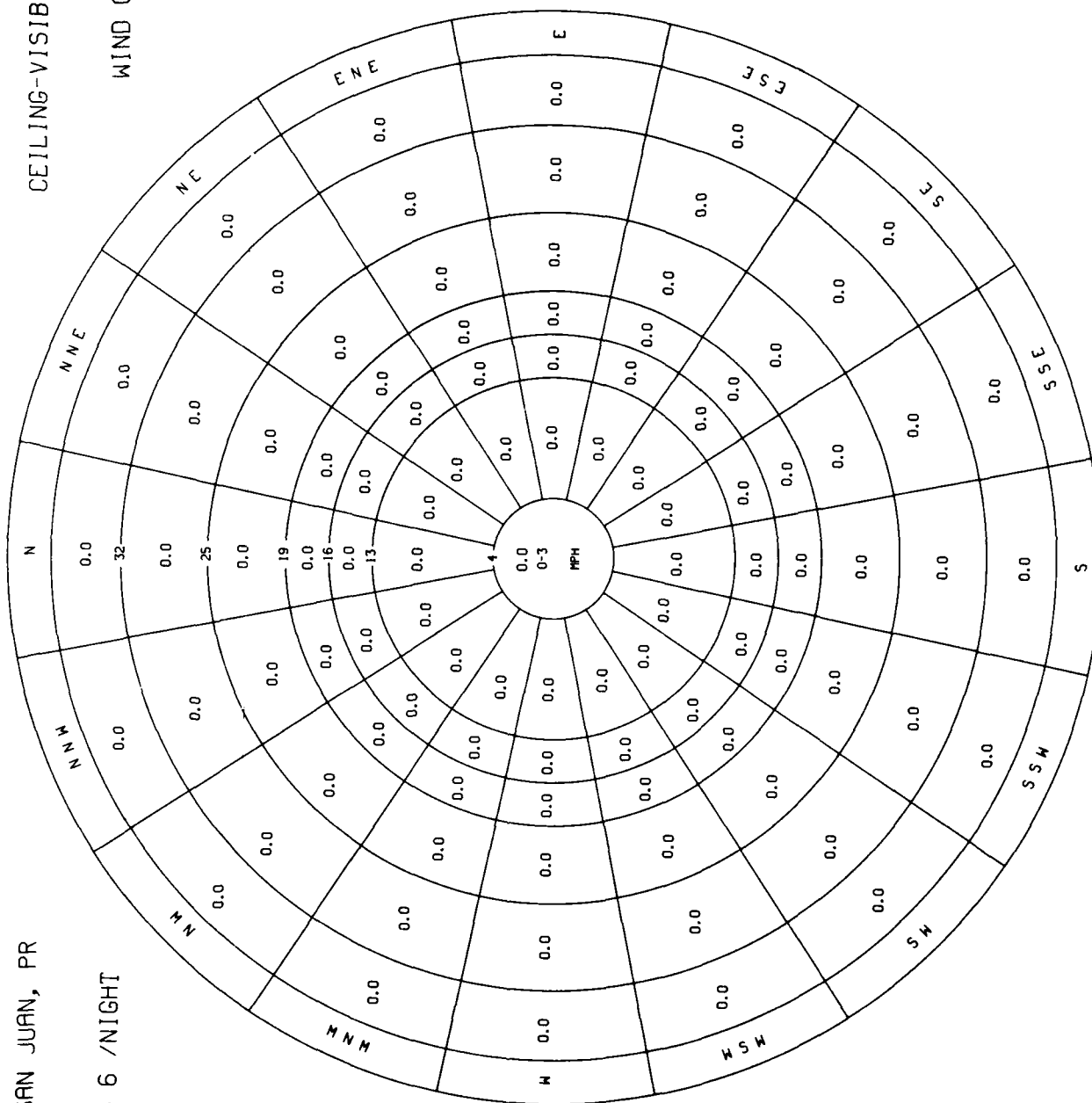
NO. OBS.: 1

STATION NUMBER: 11641

| DIR   | SPEED GROUPS (MPH) |    |      |    |         |    |       |    |       |    |       |    |     |    |         |         | AUG<br>WIND<br>SPEED |
|-------|--------------------|----|------|----|---------|----|-------|----|-------|----|-------|----|-----|----|---------|---------|----------------------|
|       | 0-3                |    | 4-12 |    | 13-15   |    | 16-18 |    | 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      |                      |
| NNE   | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| NE    | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| ENE   | .0                 | .0 | .0   | .0 | .0100.0 | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0100.0 | .0      |                      |
| E     | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| ESE   | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| SE    | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| SSE   | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| S     | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| SSW   | .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      |                      |
| WSW   | .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      |                      |
| WNW   | .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      |                      |
| NNW   | .0                 | .0 | .0   | .0 | .0      | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0      |                      |
| CALM  | .0                 | .0 |      |    |         |    |       |    |       |    |       |    |     |    | .0      | .0      |                      |
| TOTAL | .0                 | .0 | .0   | .0 | .0100.0 | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0      | .0100.0 |                      |

CEILING-VISIBILITY

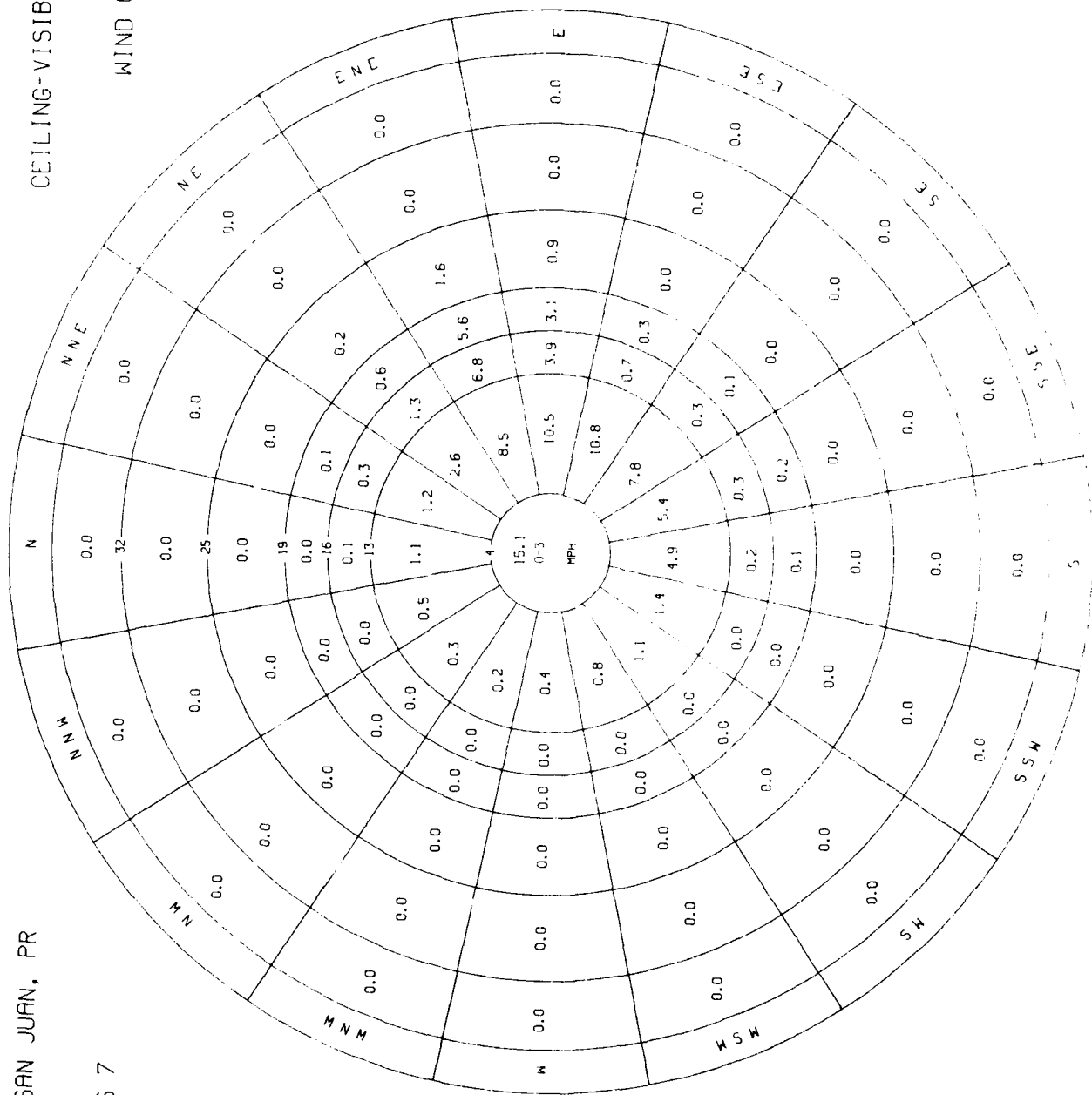
WIND GRAPH





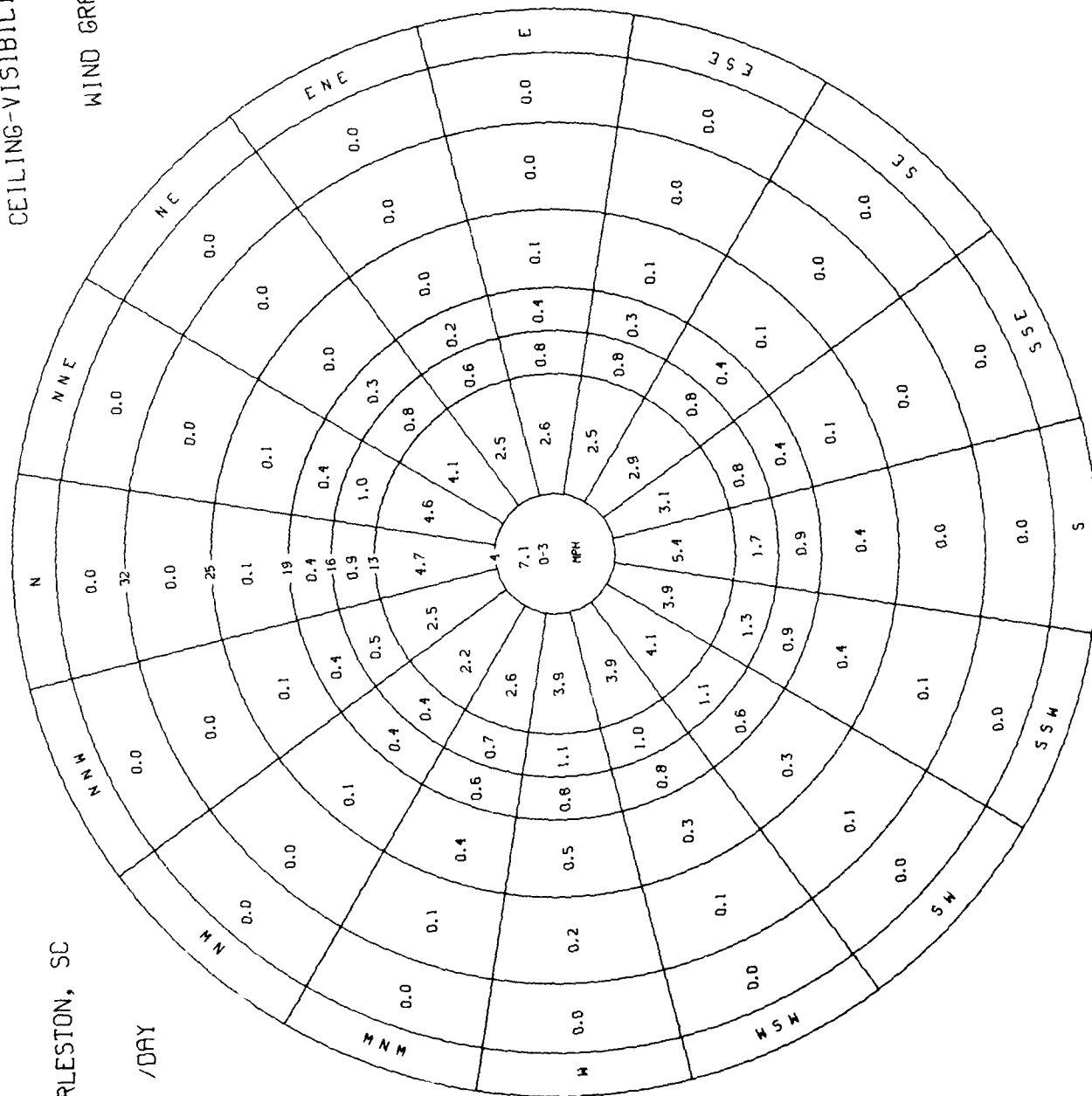
CEILING-VISIBILITY

WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



CHS CHARLESTON, SC

CLASS 1 / DAY

PRECEDING PAGE BLANK-NOT FILLED



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13880

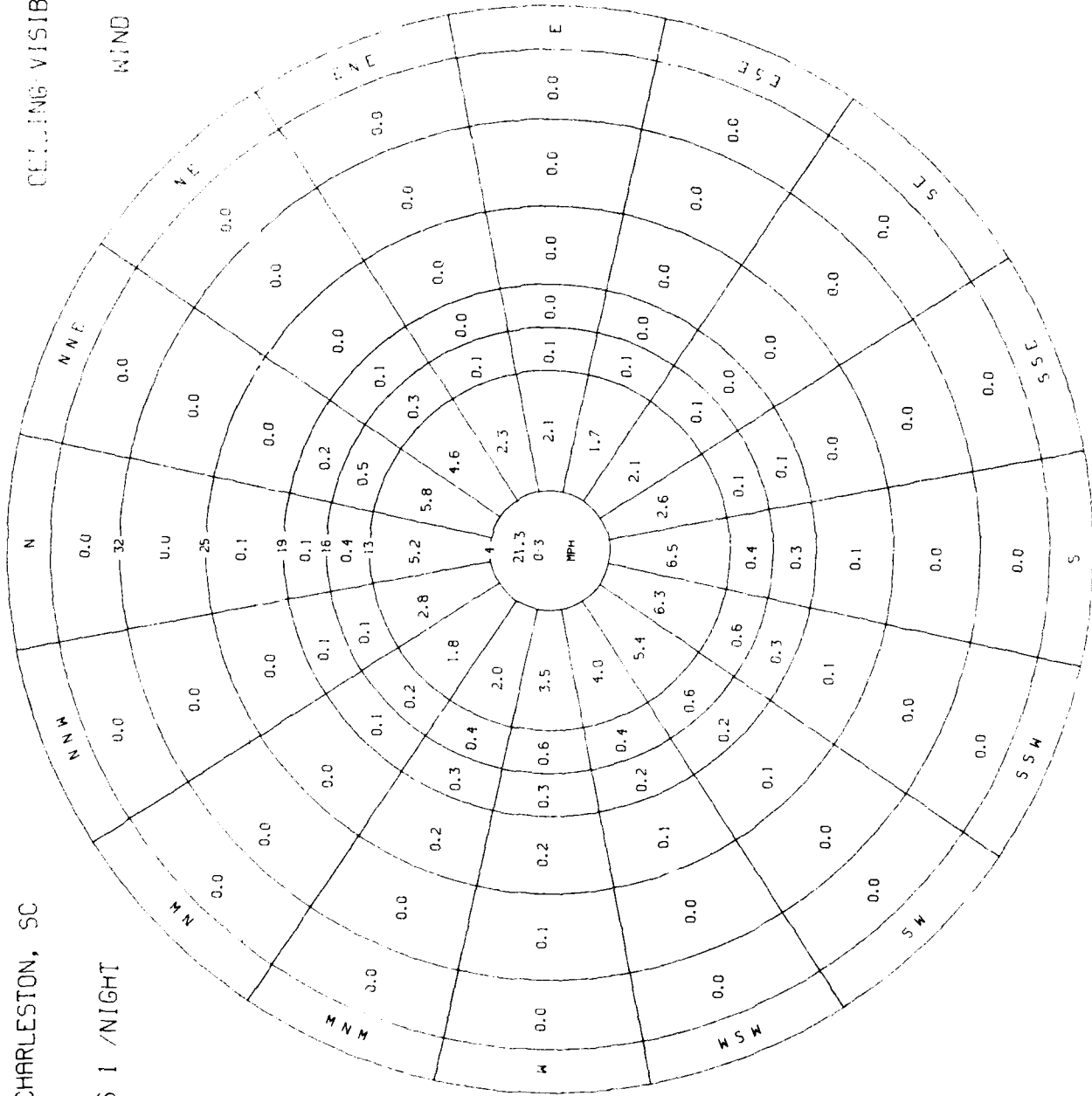
NO. OBS.: 44408

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |
|             | A                  | B   | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D    |
| N           | .6                 | .7  | 4.7  | 5.3  | .9    | 1.0  | .4    | .5  | .1    | .2  | .0    | .0 | .0  | .0 | 6.7   | 7.6                  | 9.2  |
| NNE         | .4                 | .4  | 4.6  | 5.2  | 1.0   | 1.2  | .4    | .5  | .1    | .1  | .0    | .0 | .0  | .0 | 6.6   | 7.4                  | 9.7  |
| NE          | .4                 | .4  | 4.1  | 4.6  | .8    | 1.0  | .3    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | 5.7   | 6.4                  | 9.5  |
| ENE         | .2                 | .3  | 2.5  | 2.8  | .6    | .7   | .2    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | 3.6   | 4.1                  | 9.6  |
| E           | .2                 | .3  | 2.6  | 2.9  | .8    | .9   | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 4.0   | 4.5                  | 10.3 |
| ESE         | .2                 | .3  | 2.5  | 2.8  | .8    | .9   | .3    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 3.9   | 4.4                  | 10.3 |
| SE          | .2                 | .2  | 2.9  | 3.2  | .8    | .9   | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 4.3   | 4.8                  | 10.3 |
| SSE         | .3                 | .3  | 3.1  | 3.5  | .8    | .9   | .4    | .5  | .1    | .1  | .0    | .0 | .0  | .0 | 4.7   | 5.3                  | 10.1 |
| S           | .3                 | .4  | 5.4  | 6.1  | 1.7   | 1.9  | .9    | 1.0 | .4    | .4  | .0    | .0 | .0  | .0 | 8.7   | 9.8                  | 10.9 |
| SSW         | .3                 | .3  | 3.9  | 4.4  | 1.3   | 1.5  | .9    | 1.0 | .4    | .5  | .1    | .1 | .0  | .0 | 6.8   | 7.7                  | 11.5 |
| SW          | .3                 | .3  | 4.1  | 4.6  | 1.1   | 1.2  | .6    | .6  | .3    | .3  | .1    | .1 | .0  | .0 | 6.4   | 7.2                  | 10.7 |
| WSW         | .2                 | .3  | 3.9  | 4.4  | 1.0   | 1.2  | .8    | .8  | .3    | .4  | .1    | .1 | .0  | .0 | 6.4   | 7.2                  | 11.3 |
| W           | .2                 | .3  | 3.9  | 4.4  | 1.1   | 1.2  | .8    | .9  | .5    | .6  | .2    | .2 | .0  | .0 | 6.8   | 7.7                  | 11.8 |
| WNW         | .2                 | .3  | 2.6  | 2.9  | .7    | .8   | .6    | .6  | .4    | .4  | .1    | .1 | .0  | .0 | 4.6   | 5.2                  | 11.6 |
| NW          | .3                 | .3  | 2.2  | 2.5  | .4    | .5   | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 3.4   | 3.9                  | 9.9  |
| NNW         | .3                 | .4  | 2.5  | 2.8  | .5    | .6   | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 3.8   | 4.3                  | 9.7  |
| CALM        | 2.4                | 2.7 |      |      |       |      |       |     |       |     |       |    |     |    | 2.4   | 2.7                  |      |
| TOTAL       | 7.1                | 8.0 | 55.5 | 62.5 | 14.4  | 16.2 | 8.1   | 9.1 | 3.1   | 3.5 | .6    | .7 | .1  | .1 | 88.8  | 100                  | 10.2 |

CELLING-VISIBILITY

CLASS 1 / NIGHT

## WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 1 / NIGHT

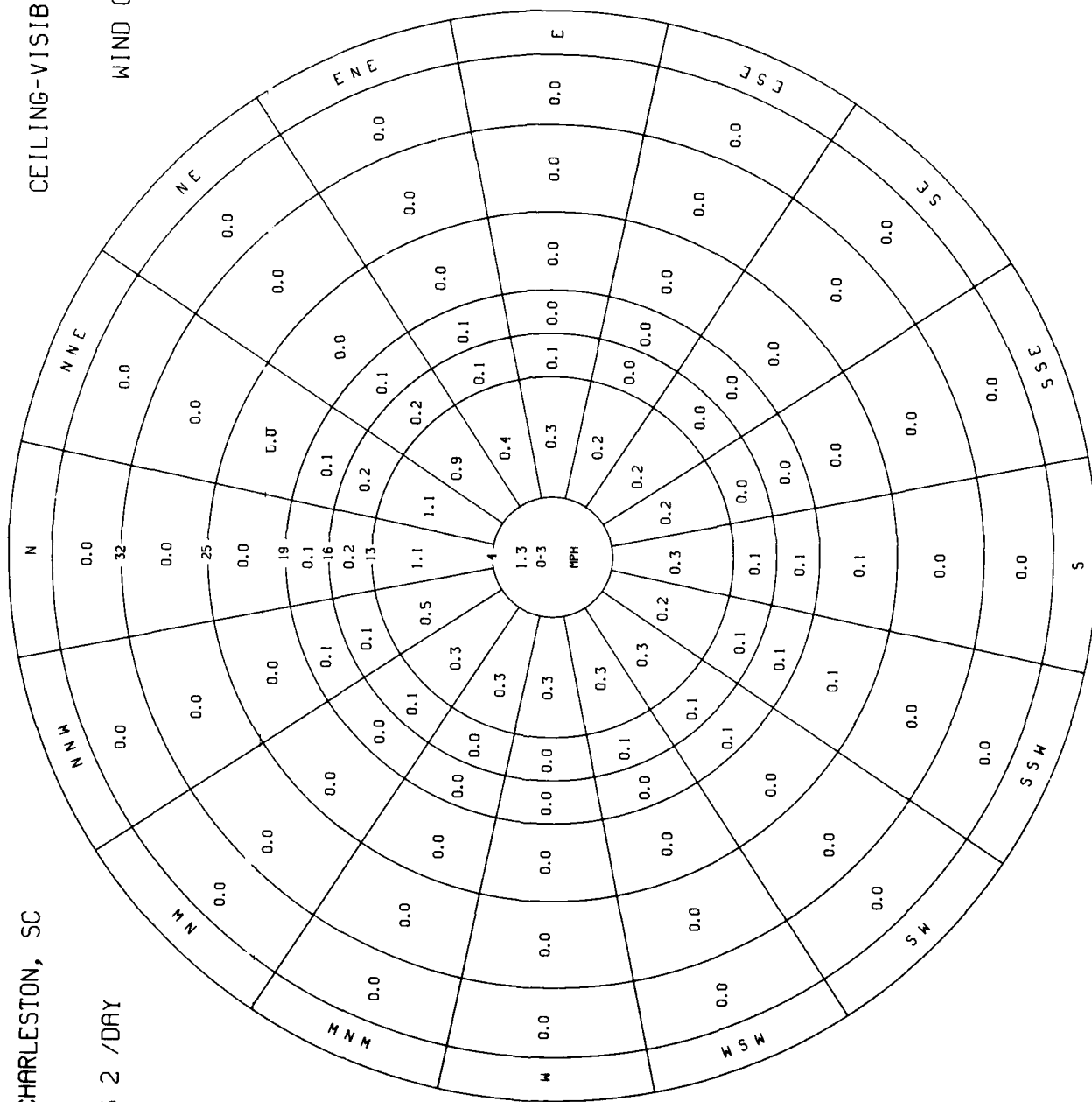
STATION NUMBER: 13880

NO. OBS.: 35857

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C    | D   |
| N           | 1.3                | 1.5  | 5.2  | 5.9  | .4    | .4  | .1    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 7.1   | 8.0  | 7.2 |
| NNE         | 1.0                | 1.1  | 5.8  | 6.5  | .5    | .6  | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 7.5   | 8.5  | 7.6 |
| NE          | .8                 | .9   | 4.6  | 5.2  | .3    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 5.8   | 6.6  | 7.3 |
| ENE         | .4                 | .5   | 2.3  | 2.6  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.9   | 3.3  | 7.1 |
| E           | .5                 | .5   | 2.1  | 2.4  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.7   | 3.0  | 6.7 |
| ESE         | .4                 | .5   | 1.7  | 1.9  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.2   | 2.5  | 6.5 |
| SE          | .6                 | .7   | 2.1  | 2.3  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.8   | 3.1  | 6.3 |
| SSE         | .8                 | .9   | 2.6  | 2.9  | .1    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 3.6   | 4.1  | 6.5 |
| S           | 1.6                | 1.8  | 6.5  | 7.3  | .4    | .5  | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 8.9   | 10.1 | 7.3 |
| SSW         | .8                 | .9   | 6.3  | 7.1  | .6    | .7  | .3    | .3  | .1    | .2  | .0    | .1 | .0  | .0 | .0                   | 8.2   | 9.3  | 8.5 |
| SW          | .6                 | .7   | 5.4  | 6.1  | .6    | .7  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 6.9   | 7.8  | 8.4 |
| WSW         | .4                 | .5   | 4.0  | 4.5  | .4    | .4  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | .0                   | 5.1   | 5.7  | 8.5 |
| W           | .6                 | .6   | 3.5  | 4.0  | .6    | .6  | .3    | .4  | .2    | .2  | .1    | .1 | .0  | .0 | .0                   | 5.2   | 5.9  | 9.4 |
| WNW         | .4                 | .4   | 2.0  | 2.3  | .4    | .4  | .3    | .3  | .2    | .2  | .0    | .0 | .0  | .0 | .0                   | 3.3   | 3.7  | 9.9 |
| NW          | .4                 | .5   | 1.8  | 2.1  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | 2.5   | 2.9  | 7.6 |
| NNW         | .6                 | .7   | 2.8  | 3.2  | .1    | .2  | .1    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 3.7   | 4.2  | 7.0 |
| CALM        | 10.0               | 11.3 |      |      |       |     |       |     |       |     |       |    |     |    |                      | 10.0  | 11.3 |     |
| TOTAL       | 21.3               | 24.0 | 58.7 | 66.4 | 4.9   | 5.6 | 2.3   | 2.6 | 1.0   | 1.1 | .2    | .3 | .0  | .0 | .0                   | 88.5  | 100  | 6.9 |

CEILING-VISIBILITY

## WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 13880

NO. OBS.: 5614

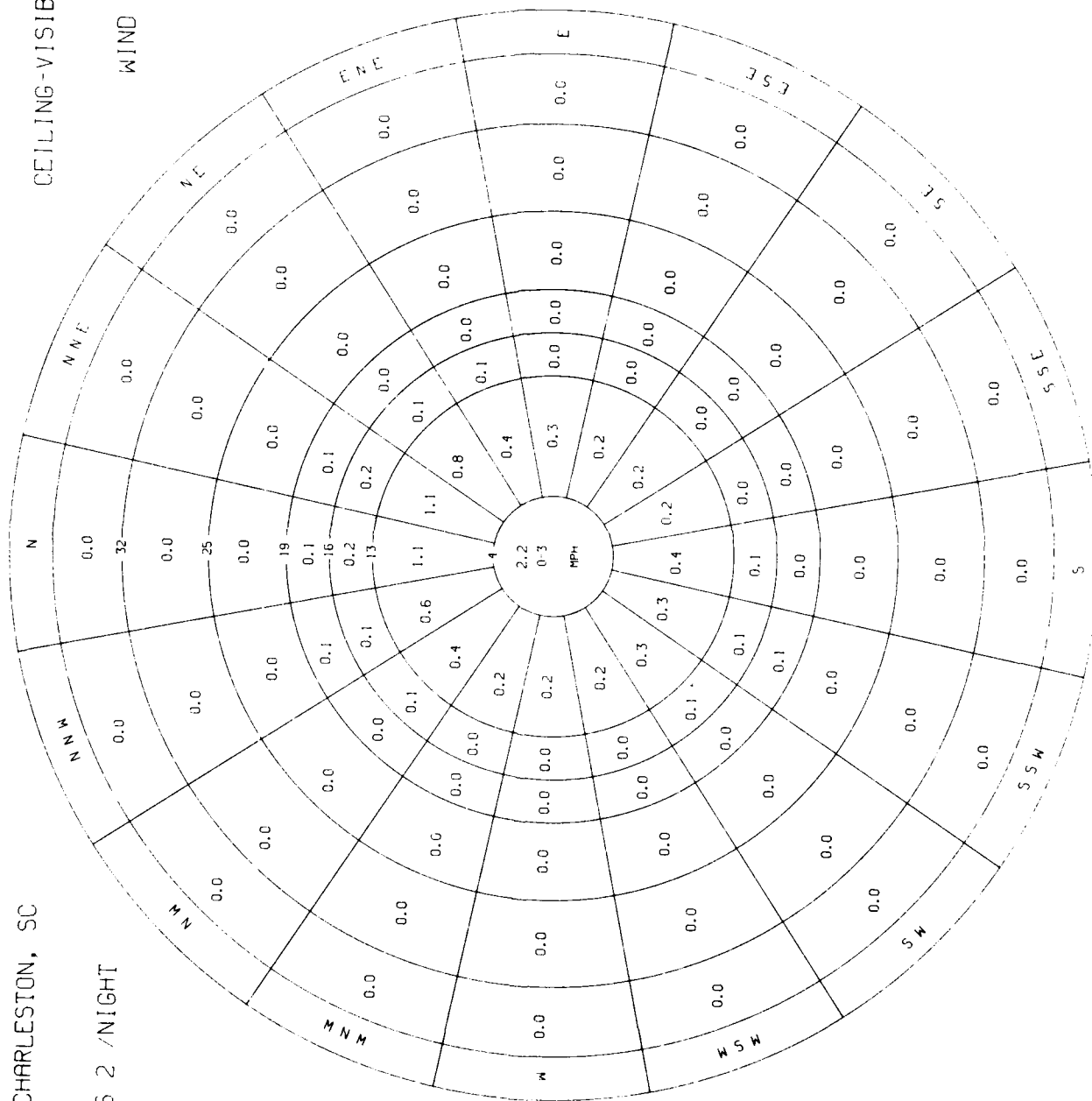
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | 1.0  | 1.1  | 10.2 | .2    | 2.0  | .1    | 1.0 | .0    | .3  | .0    | .0 | .0  | .0 | 1.6 14.4             |
| NNE         | .1                 | .9   | 1.1  | 9.8  | .2    | 2.1  | .1    | .9  | .0    | .2  | .0    | .0 | .0  | .0 | 1.6 14.0             |
| NE          | .1                 | .8   | .9   | 8.1  | .2    | 1.5  | .1    | .8  | .0    | .1  | .0    | .0 | .0  | .0 | 1.3 11.4             |
| ENE         | .0                 | .3   | .4   | 3.7  | .1    | .7   | .1    | .6  | .0    | .0  | .0    | .0 | .0  | .0 | .6 5.3               |
| E           | .0                 | .4   | .3   | 2.8  | .1    | .5   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .5 4.2               |
| ESE         | .0                 | .2   | .2   | 2.1  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .3 3.0               |
| SE          | .0                 | .3   | .2   | 1.9  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .3 2.8               |
| SSE         | .0                 | .3   | .2   | 1.4  | .0    | .3   | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .3 2.4               |
| S           | .0                 | .4   | .3   | 2.4  | .1    | .5   | .1    | .5  | .1    | .6  | .0    | .1 | .0  | .1 | .5 4.6               |
| SSW         | .0                 | .2   | .2   | 2.1  | .1    | .9   | .1    | .8  | .1    | .6  | .0    | .2 | .0  | .0 | .6 5.0               |
| SW          | .0                 | .3   | .3   | 2.5  | .1    | .7   | .1    | .7  | .0    | .3  | .0    | .1 | .0  | .0 | .5 4.6               |
| WSW         | .0                 | .3   | .3   | 2.7  | .1    | .5   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .4 3.9               |
| W           | .0                 | .4   | .3   | 3.1  | .0    | .4   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .5 4.5               |
| WNW         | .0                 | .3   | .3   | 2.4  | .0    | .4   | .0    | .3  | .0    | .2  | .0    | .1 | .0  | .0 | .4 3.7               |
| NW          | .1                 | .5   | .3   | 3.0  | .1    | .6   | .0    | .4  | .0    | .1  | .0    | .1 | .0  | .0 | .5 4.6               |
| NNW         | .1                 | .5   | .5   | 4.7  | .1    | 1.1  | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .8 6.9               |
| CALM        | .5                 | 4.7  |      |      |       |      |       |     |       |     |       |    |     |    | .5 4.7               |
| TOTAL       | 1.3                | 11.8 | 7.0  | 62.7 | 1.5   | 13.1 | .9    | 8.1 | .4    | 3.5 | .1    | .7 | .0  | .2 | 11.2 100             |

CHS CHARLESTON, SC

CLASS 2 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13880

NO. OBS.: 4679

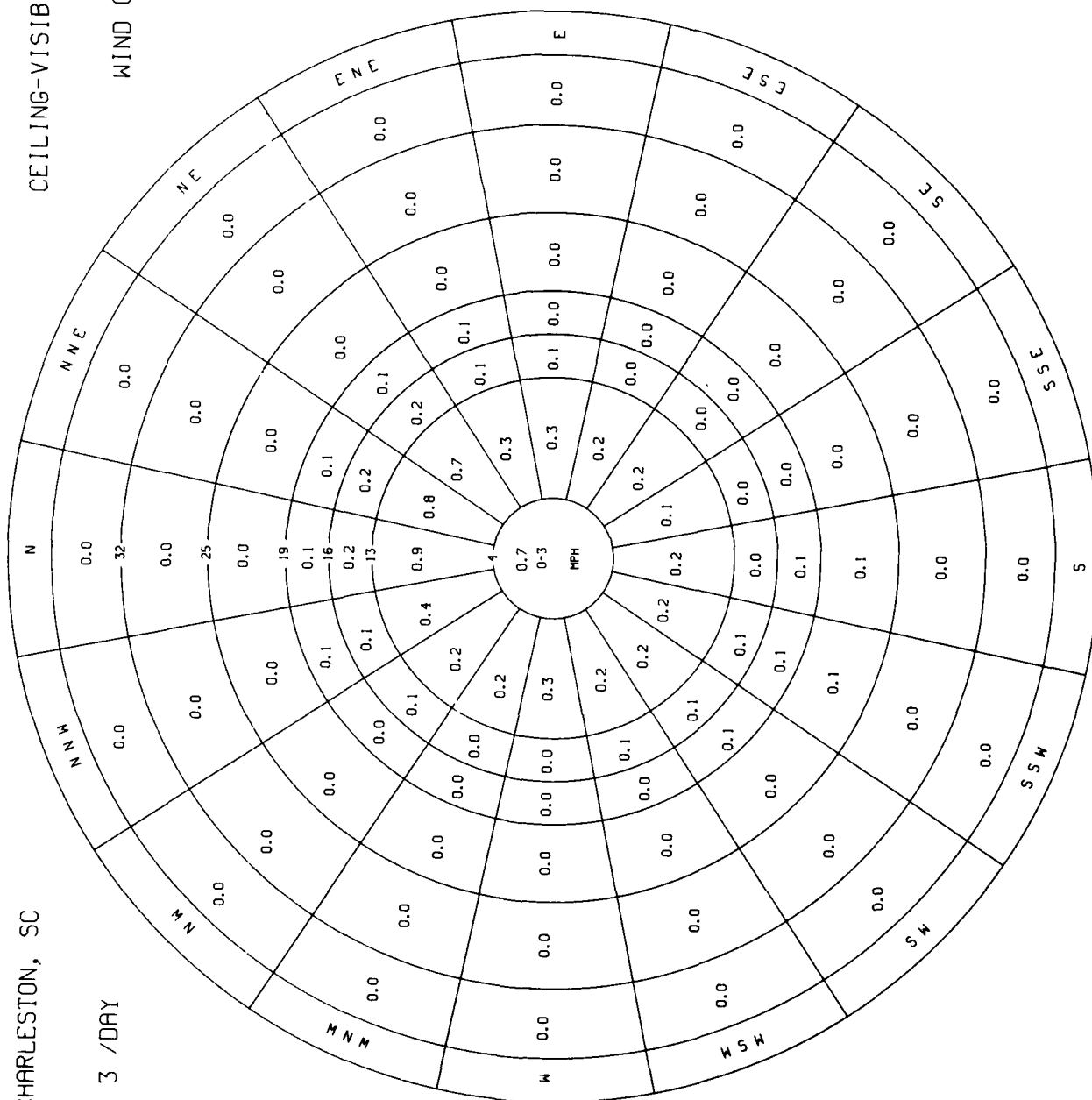
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | P   | B  | C     |                      | D    |
| N           | .1                 | 1.2  | 1.1  | 9.4  | .2    | 1.7  | .1    | .8  | .0    | .2  | .0    | .0 | .0  | .0 | 1.5   | 13.3                 | 9.1  |
| NNE         | .1                 | 1.3  | 1.1  | 9.8  | .2    | 1.9  | .1    | .8  | .0    | .3  | .0    | .0 | .0  | .0 | 1.6   | 14.1                 | 9.4  |
| NE          | .1                 | 1.2  | .8   | 6.7  | .1    | 1.1  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | 1.1   | 9.5                  | 8.7  |
| ENE         | .0                 | .4   | .4   | 3.7  | .1    | .9   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 5.4                  | 9.5  |
| E           | .0                 | .3   | .3   | 2.6  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.5                  | 8.8  |
| ESE         | .0                 | .4   | .2   | 2.1  | .0    | .2   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 2.9                  | 8.0  |
| SE          | .1                 | .7   | .2   | 2.0  | .0    | .1   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.1                  | 7.0  |
| SSE         | .0                 | .4   | .2   | 1.6  | .0    | .1   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 2.5                  | 9.0  |
| S           | .1                 | .7   | .4   | 3.0  | .1    | .5   | .0    | .3  | .0    | .3  | .0    | .1 | .0  | .0 | .6    | 4.9                  | 9.8  |
| SSW         | .1                 | .6   | .3   | 2.8  | .1    | .9   | .1    | .7  | .0    | .3  | .0    | .1 | .0  | .0 | .6    | 5.4                  | 10.9 |
| SW          | .0                 | .4   | .3   | 2.9  | .1    | .5   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 4.2                  | 9.5  |
| WSW         | .0                 | .3   | .2   | 1.9  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 2.8                  | 9.4  |
| W           | .1                 | .5   | .2   | 2.1  | .0    | .3   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.3                  | 9.0  |
| WNW         | .0                 | .4   | .2   | 1.9  | .0    | .4   | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | .4    | 3.1                  | 9.6  |
| NW          | .1                 | .6   | .4   | 3.4  | .1    | .8   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 5.2                  | 9.3  |
| NNW         | .1                 | .9   | .6   | 5.4  | .1    | 1.0  | .1    | .4  | .0    | .0  | .0    | .0 | .0  | .0 | .9    | 7.7                  | 8.8  |
| CALM        | 1.1                | 9.1  |      |      |       |      |       |     |       |     |       |    |     |    | 1.1   | 9.1                  |      |
| TOTAL       | 2.2                | 19.2 | 7.1  | 61.3 | 1.3   | 11.1 | .7    | 5.7 | .2    | 2.1 | .1    | .5 | .0  | .1 | 11.5  | 100                  | 8.3  |

CEILING-VISIBILITY

WIND GRAPH

CHS CHARLESTON, SC

CLASS 3 /DAY





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 3 / DAY

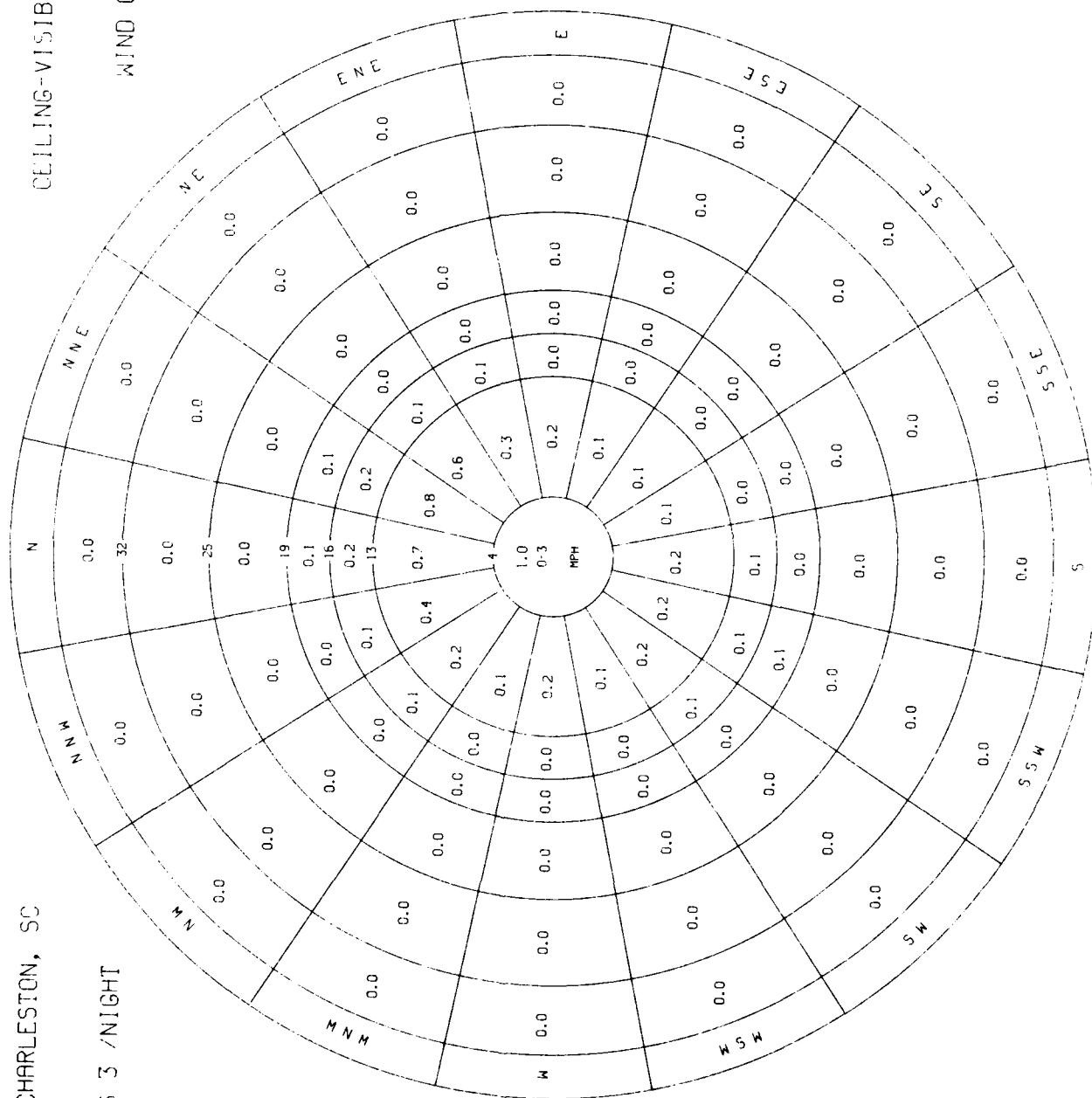
STATION NUMBER: 13880

NO. OBS.: 4431

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | .7  | .9   | 9.8  | .2    | 2.3  | .1    | 1.2 | .0    | .4  | .0    | .0 | .0  | .0 | 1.3 14.3             |
| NNE         | .1                 | .7  | .8   | 9.6  | .2    | 2.5  | .1    | 1.1 | .0    | .3  | .0    | .0 | .0  | .0 | 1.3 14.3             |
| NE          | .0                 | .5  | .7   | 7.9  | .2    | 1.9  | .1    | .9  | .0    | .2  | .0    | .0 | .0  | .0 | 1.0 11.4             |
| ENE         | .0                 | .2  | .3   | 3.8  | .1    | .9   | .1    | .6  | .0    | .0  | .0    | .0 | .0  | .0 | .5 5.6               |
| E           | .0                 | .3  | .3   | 2.8  | .1    | .6   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .4 4.3               |
| ESE         | .0                 | .1  | .2   | 2.0  | .0    | .5   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .3 3.0               |
| SE          | .0                 | .2  | .2   | 1.8  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .2 2.8               |
| SSE         | .0                 | .2  | .1   | 1.4  | .0    | .4   | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | .2 2.4               |
| S           | .0                 | .3  | .2   | 2.4  | .0    | .6   | .1    | .6  | .1    | .7  | .0    | .2 | .0  | .1 | .4 4.9               |
| SSW         | .0                 | .2  | .2   | 2.1  | .1    | 1.1  | .1    | 1.0 | .1    | .7  | .0    | .3 | .0  | .0 | .5 5.4               |
| SW          | .0                 | .3  | .2   | 2.8  | .1    | .8   | .1    | .9  | .0    | .4  | .0    | .1 | .0  | .0 | .5 5.2               |
| WSW         | .0                 | .2  | .2   | 2.7  | .1    | .6   | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | .4 4.0               |
| W           | .0                 | .2  | .3   | 3.3  | .0    | .6   | .0    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .4 4.8               |
| WNW         | .0                 | .2  | .2   | 2.3  | .0    | .5   | .0    | .3  | .0    | .3  | .0    | .1 | .0  | .0 | .3 3.6               |
| NW          | .0                 | .4  | .2   | 2.7  | .1    | .7   | .0    | .5  | .0    | .1  | .0    | .1 | .0  | .0 | .4 4.4               |
| NNW         | .0                 | .2  | .4   | 4.1  | .1    | 1.1  | .1    | .6  | .0    | .2  | .0    | .0 | .0  | .0 | .6 6.2               |
| CALM        | .3                 | 3.3 |      |      |       |      |       |     |       |     |       |    |     |    | .3 3.3               |
| TOTAL       | .7                 | 8.2 | 5.4  | 61.5 | 1.4   | 15.3 | .9    | 9.7 | .4    | 4.2 | .1    | .8 | .0  | .2 | 8.9 100              |
|             |                    |     |      |      |       |      |       |     |       |     |       |    |     |    | 10.4                 |

# CEILING-VISIBILITY WIND GRAPH

CHS CHARLESTON, SC  
CLASS 3 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13880

NO. OBS.: 3090

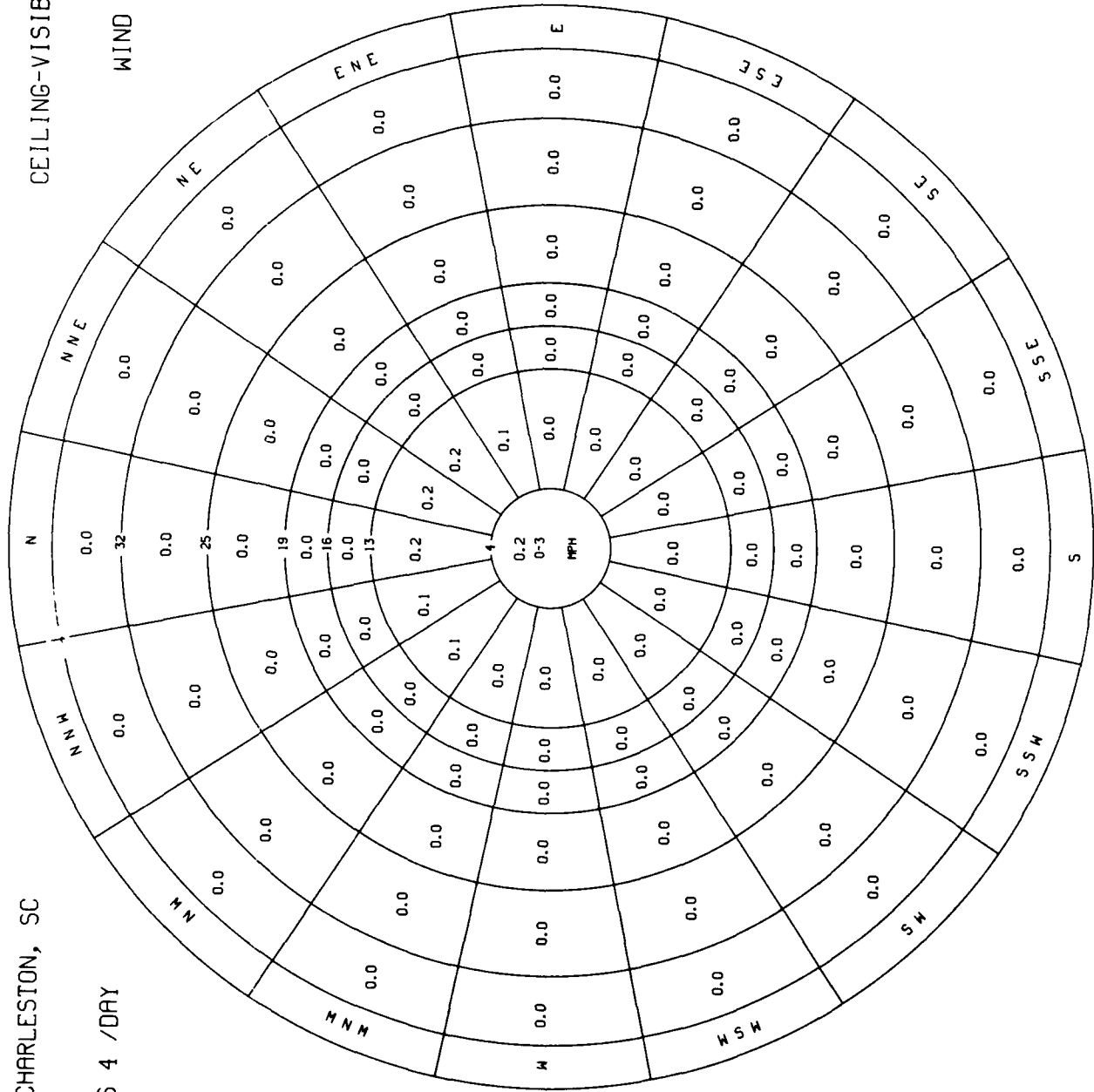
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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   | .7   | 8.9  | .2    | 2.2  | .1    | 1.2 | .0    | .2  | .0    | .0 | .0  | .0 | 1.0   | 13.5 | 10.0                 |
| NNE         | .1                 | .8   | .8   | 11.0 | .2    | 2.6  | .1    | 1.2 | .0    | .4  | .0    | .1 | .0  | .0 | 1.2   | 16.1 | 10.2                 |
| NE          | .1                 | 1.0  | .6   | 7.5  | .1    | 1.6  | .0    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | .8    | 10.7 | 9.3                  |
| ENE         | .0                 | .3   | .3   | 4.0  | .1    | 1.2  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 6.0  | 10.2                 |
| E           | .0                 | .4   | .2   | 2.4  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 3.5  | 9.4                  |
| ESE         | .0                 | .4   | .1   | 1.8  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.7  | 8.6                  |
| SE          | .0                 | .6   | .1   | 1.8  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.9  | 7.7                  |
| SSE         | .0                 | .3   | .1   | 1.5  | .0    | .1   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .2    | 2.6  | 10.3                 |
| S           | .0                 | .6   | .2   | 2.7  | .1    | .7   | .0    | .5  | .0    | .5  | .0    | .2 | .0  | .0 | .4    | 5.1  | 11.3                 |
| SSW         | .0                 | .4   | .2   | 2.6  | .1    | 1.1  | .1    | 1.0 | .0    | .4  | .0    | .2 | .0  | .1 | .4    | 5.7  | 12.3                 |
| SW          | .0                 | .3   | .2   | 2.8  | .1    | .7   | .0    | .6  | .0    | .2  | .0    | .0 | .0  | .0 | .3    | 4.5  | 10.6                 |
| WSW         | .0                 | .2   | .1   | 1.7  | .0    | .4   | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .2    | 2.7  | 10.9                 |
| W           | .0                 | .3   | .2   | 2.0  | .0    | .4   | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 3.3  | 10.2                 |
| WNW         | .0                 | .3   | .1   | 1.4  | .0    | .6   | .0    | .1  | .0    | .3  | .0    | .0 | .0  | .0 | .2    | 2.9  | 11.2                 |
| NW          | .0                 | .4   | .2   | 3.2  | .1    | 1.1  | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .4    | 5.2  | 10.3                 |
| NNW         | .0                 | .5   | .4   | 4.8  | .1    | 1.3  | .0    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 7.3  | 9.8                  |
| CALM        | .4                 | 5.4  |      |      |       |      |       |     |       |     |       |    |     |    | .4    | 5.4  |                      |
| TOTAL       | 1.0                | 12.9 | 4.6  | 60.1 | 1.1   | 15.0 | .6    | 8.2 | .2    | 3.2 | .1    | .7 | .0  | .1 | 7.6   | 100  | 9.6                  |

CHS CHARLESTON, SC

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 4 / DAY

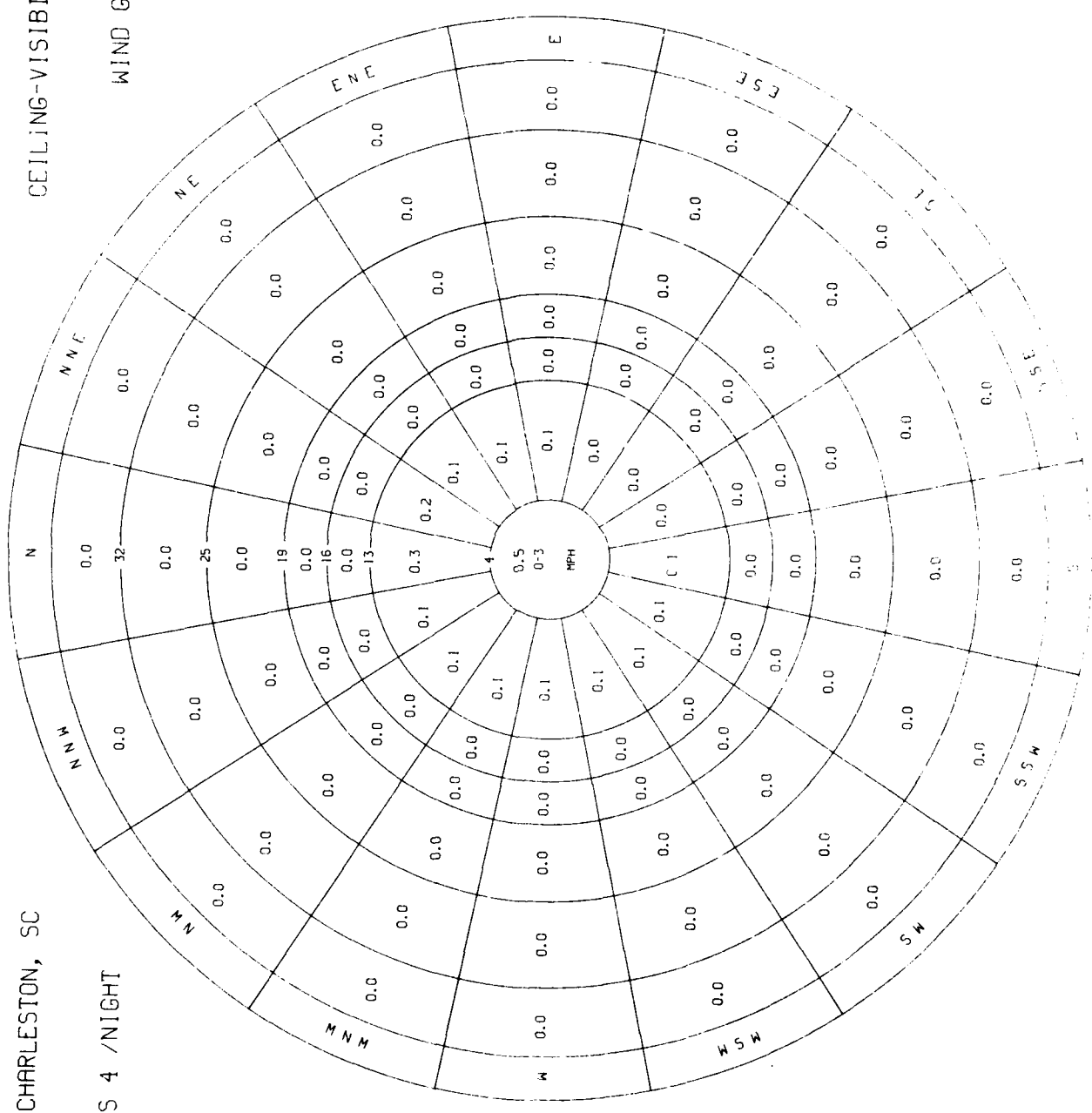
STATION NUMBER: 13880

NO. OBS.: 754

| O<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D    |     |
| N           | .0                 | .7   | .2   | 13.0 | .0    | 1.5 | .0    | .4  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .2                   | 15.5 | 8.2 |
| NNE         | .0                 | 1.2  | .2   | 12.5 | .0    | .9  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .2                   | 14.7 | 7.9 |
| NE          | .0                 | 1.7  | .2   | 11.1 | .0    | .4  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0    | .2                   | 13.7 | 7.8 |
| ENE         | .0                 | .4   | .1   | 3.8  | .0    | .0  | .0    | .4  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .1                   | 4.6  | 8.1 |
| E           | .0                 | .9   | .0   | 2.8  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .1                   | 3.8  | 6.3 |
| ESE         | .0                 | .3   | .0   | 2.8  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .1                   | 3.6  | 8.9 |
| SE          | .0                 | .4   | .0   | 2.3  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 3.1  | 8.0 |
| SSE         | .0                 | .8   | .0   | 1.6  | .0    | .0  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.8  | 7.1 |
| S           | .0                 | .3   | .0   | 1.6  | .0    | .7  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.8  | 9.0 |
| SSW         | .0                 | .7   | .0   | 1.9  | .0    | .4  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .0    | .0                   | 3.3  | 9.1 |
| SW          | .0                 | .3   | .0   | 1.2  | .0    | .4  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0    | .0                   | 2.1  | 9.8 |
| WSW         | .0                 | .1   | .0   | 2.9  | .0    | .0  | .0    | .4  | .0    | .0  | .0    | .0 | .0  | .0 | .0    | .1                   | 3.4  | 8.4 |
| W           | .0                 | .4   | .0   | 2.5  | .0    | .0  | .0    | .0  | .0    | .3  | .0    | .0 | .0  | .0 | .0    | .0                   | 3.2  | 8.6 |
| WNW         | .0                 | .5   | .0   | 2.8  | .0    | .1  | .0    | .3  | .0    | .0  | .0    | .1 | .0  | .0 | .0    | .1                   | 3.8  | 8.3 |
| NW          | .0                 | 1.1  | .1   | 4.2  | .0    | .0  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .0    | .1                   | 5.4  | 7.1 |
| NNW         | .0                 | 1.2  | .1   | 7.0  | .0    | 1.3 | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0    | .1                   | 9.8  | 8.2 |
| CALM        | .1                 | 4.2  |      |      |       |     |       |     |       |     |       |    |     |    |       | .1                   | 4.2  |     |
| TOTAL       | .2                 | 15.1 | 1.1  | 74.0 | .1    | 6.5 | .0    | 3.2 | .0    | 1.1 | .0    | .1 | .0  | .0 | .0    | 1.5                  | 100  | 7.7 |

CHS CHARLESTON, SC

CLASS 4 / NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13880

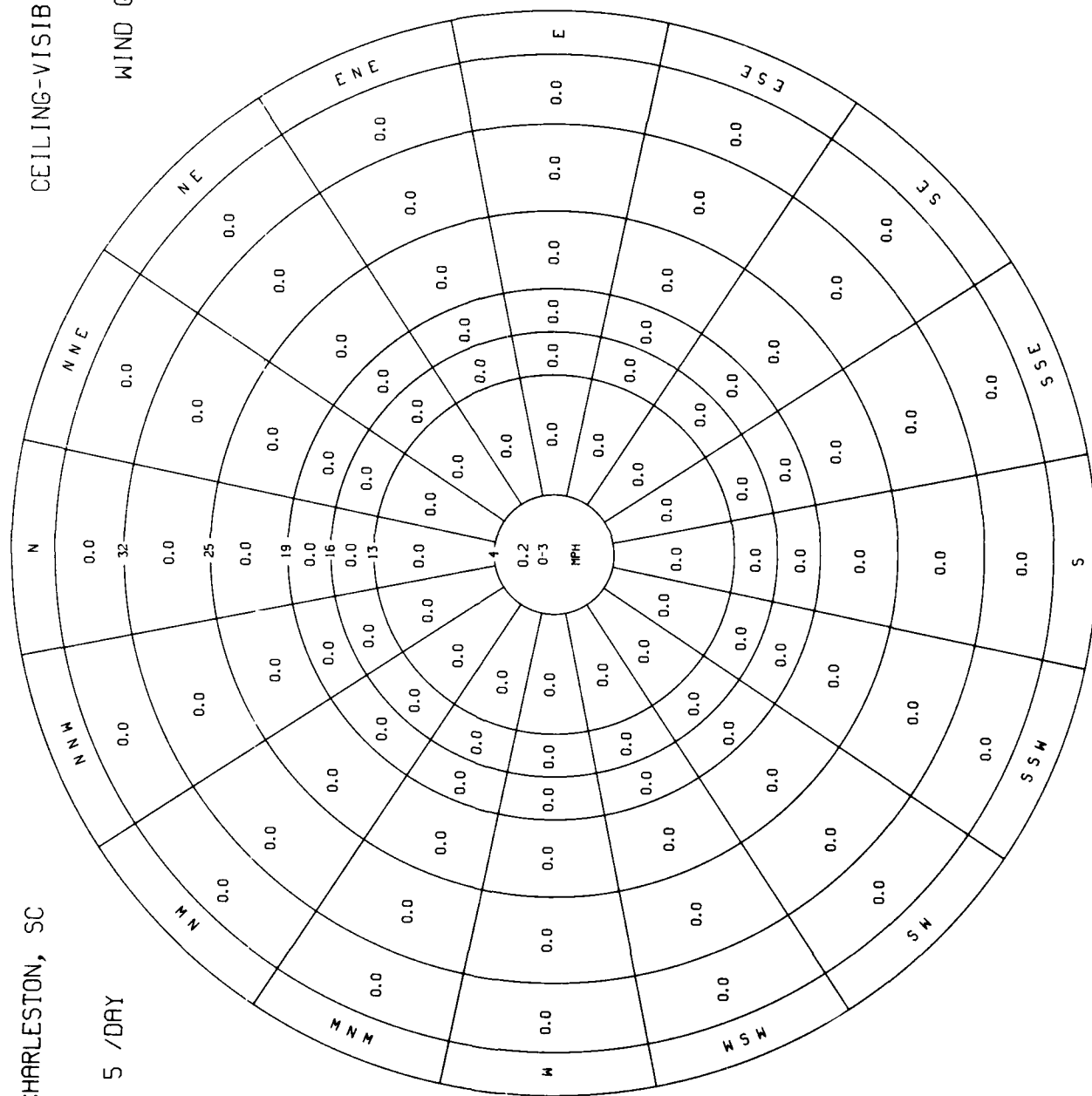
NO OBS.: 886

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |       |     |
| N           | .0                 | 1.1  | .3   | 12.3 | .0    | 1.0 | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .3                   | 14.7  | 8.0 |
| NNE         | .0                 | 1.9  | .2   | 9.0  | .0    | .9  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .3                   | 12.1  | 7.4 |
| NE          | .0                 | 1.1  | .1   | 6.7  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 8.2   | 7.7 |
| ENE         | .0                 | .5   | .1   | 3.3  | .0    | .7  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.5   | 8.3 |
| E           | .0                 | .3   | .1   | 3.6  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.3   | 7.9 |
| ESE         | .0                 | .1   | .0   | 2.3  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .1  | .0 | .1                   | 2.6   | 8.5 |
| SE          | .0                 | .8   | .0   | 1.9  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 2.8   | 6.8 |
| SSE         | .0                 | .1   | .0   | 1.9  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.1   | 7.4 |
| S           | .0                 | .3   | .1   | 3.6  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.2   | 7.1 |
| SSW         | .0                 | .8   | .1   | 2.8  | .0    | .7  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.4   | 8.2 |
| SW          | .0                 | .7   | .1   | 3.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 3.7   | 6.8 |
| WSW         | .0                 | .1   | .1   | 2.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 3.0   | 7.3 |
| W           | .0                 | .5   | .1   | 2.7  | .0    | .1  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 3.5   | 7.9 |
| WNW         | .0                 | .8   | .1   | 2.7  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 4.0   | 7.9 |
| NW          | .0                 | 1.2  | .1   | 4.4  | .0    | .5  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 6.3   | 7.9 |
| NNW         | .0                 | 1.7  | .1   | 6.3  | .0    | .7  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 8.9   | 8.0 |
| CALM        | .2                 | 10.6 |      |      |       |     |       |     |       |    |       |    |     |    |                      |       |     |
| TOTAL       | .5                 | 22.7 | 1.5  | 69.5 | .1    | 5.8 | .0    | 1.8 | .0    | .1 | .0    | .1 | .0  | .0 | .2                   | 10.6  | 6.9 |

## CEILING-VISIBILITY

CLASS 5 /DAY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 13880

NO. OBS.: 230

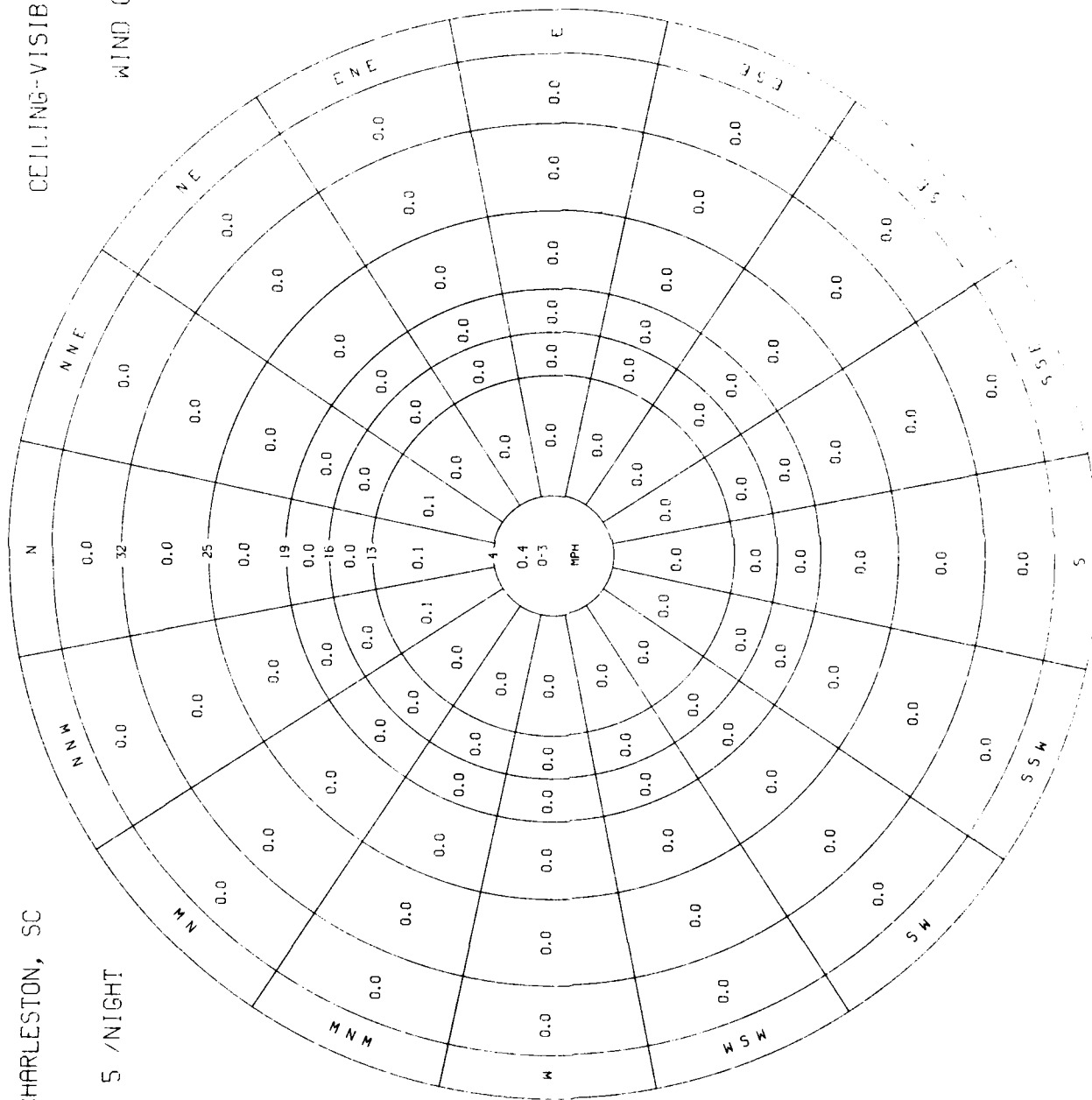
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 3.0  | .0   | 8.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 11.7              |
| NNE         | .0                 | 1.7  | .0   | 10.9 | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 13.0              |
| NE          | .0                 | 3.0  | .0   | 5.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 8.3               |
| ENE         | .0                 | .9   | .0   | .9   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.7               |
| E           | .0                 | .4   | .0   | 2.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| ESE         | .0                 | .9   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| SE          | .0                 | .9   | .0   | 2.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .4 | .0  | .0 | .0 3.9               |
| SSE         | .0                 | .4   | .0   | 1.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.2               |
| S           | .0                 | 1.3  | .0   | 2.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.9               |
| SSW         | .0                 | .4   | .0   | 3.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.9               |
| SW          | .0                 | .4   | .0   | 3.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.5               |
| WSW         | .0                 | .9   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| W           | .0                 | .0   | .0   | 2.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.2               |
| WNW         | .0                 | .9   | .0   | 3.9  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.2               |
| NW          | .0                 | .0   | .0   | 2.6  | .0    | .4  | .0    | .4 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.5               |
| NNW         | .0                 | 2.6  | .0   | 7.0  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 10.0              |
| CALM        | .1                 | 17.8 |      |      |       |     |       |    |       |    |       |    |     |    | .1 17.8              |
| TOTAL       | .2                 | 35.7 | .3   | 61.7 | .0    | 1.7 | .0    | .4 | .0    | .0 | .0    | .4 | .0  | .0 | .5 100               |

# CEILING-VISIBILITY

## WIND GRAPH

CHS CHARLESTON, SC

CLASS 5 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 13880

NO. OBS.: 381

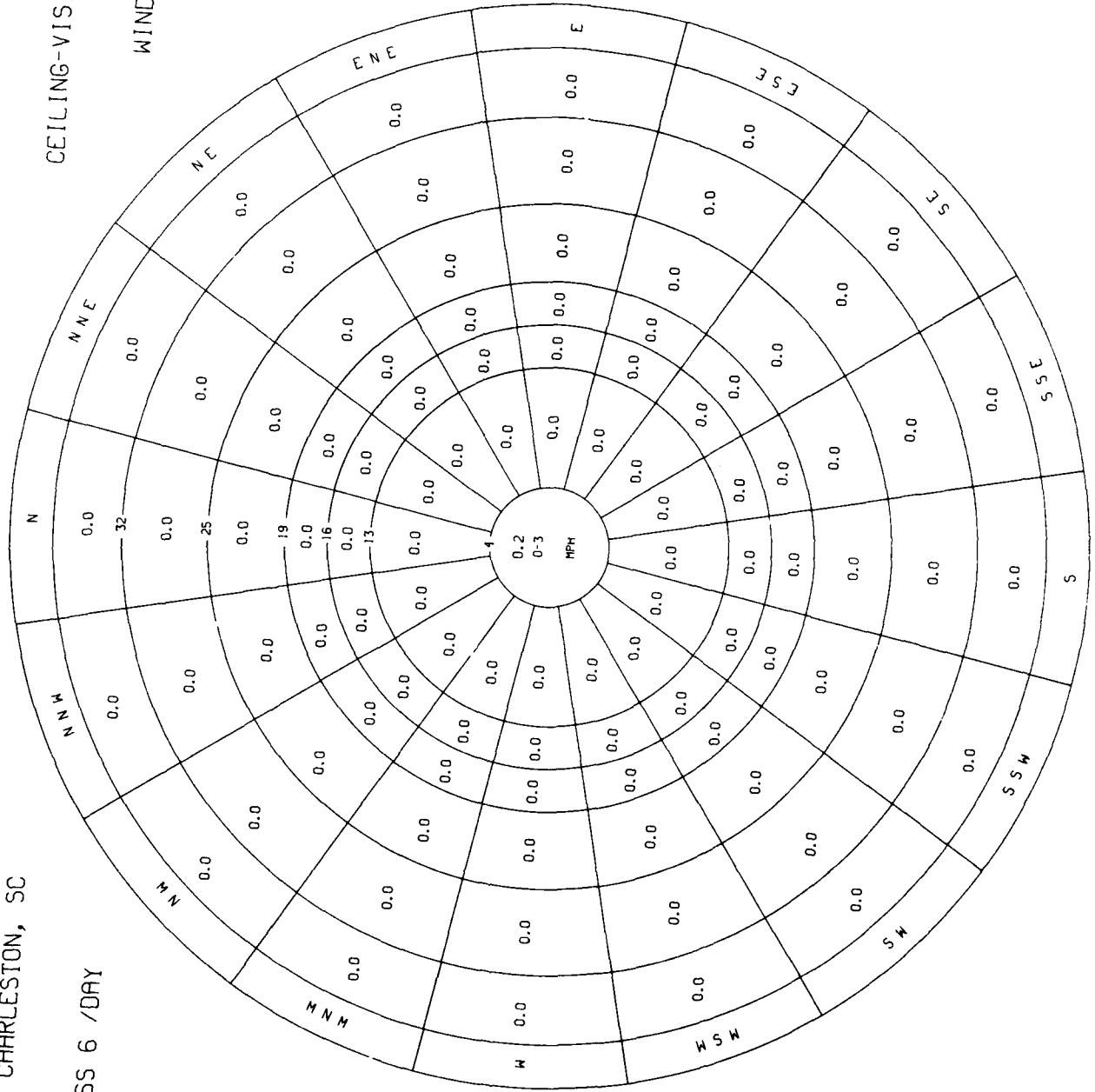
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |    |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|----|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |    |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C  | D    |     |
| N           | .0                 | 2.9  | .1   | 8.7  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .1 | 11.8 | 5.6 |
| NNE         | .0                 | 2.1  | .1   | 8.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .1 | 10.5 | 6.2 |
| NE          | .0                 | 3.4  | .0   | 4.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .1 | 7.9  | 5.6 |
| EVE         | .0                 | .3   | .0   | 4.2  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 4.7  | 7.2 |
| E           | .0                 | .0   | .0   | 2.1  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 2.6  | 7.2 |
| ESE         | .0                 | .8   | .0   | 3.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 4.5  | 6.2 |
| SE          | .0                 | .8   | .0   | 2.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 3.1  | 5.8 |
| SSE         | .0                 | .8   | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 1.6  | 5.2 |
| S           | .0                 | 1.0  | .0   | 3.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 4.7  | 7.5 |
| SSW         | .0                 | .8   | .0   | 4.5  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .1 | 5.5  | 7.4 |
| SW          | .0                 | .3   | .0   | 3.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 3.4  | 7.0 |
| WSW         | .0                 | .3   | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | .8   | 6.7 |
| W           | .0                 | .8   | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 2.6  | 5.2 |
| WNW         | .0                 | .3   | .0   | 3.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 3.4  | 7.1 |
| NW          | .0                 | .8   | .0   | 2.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0 | 3.4  | 5.9 |
| NNW         | .0                 | 1.3  | .1   | 6.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .1 | 7.6  | 6.4 |
| CALM        | .2                 | 21.8 |      |      |       |     |       |    |       |    |       |    |     |    |                      |       | .2 | 21.8 |     |
| TOTAL       | .4                 | 39.3 | .6   | 60.4 | .0    | 1.3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .9 | 100  | 4.9 |

CHS CHARLESTON, SC

CLASS 6 / DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 6 / DAY

STATION NUMBER: 13880

NO. OBS.: 199

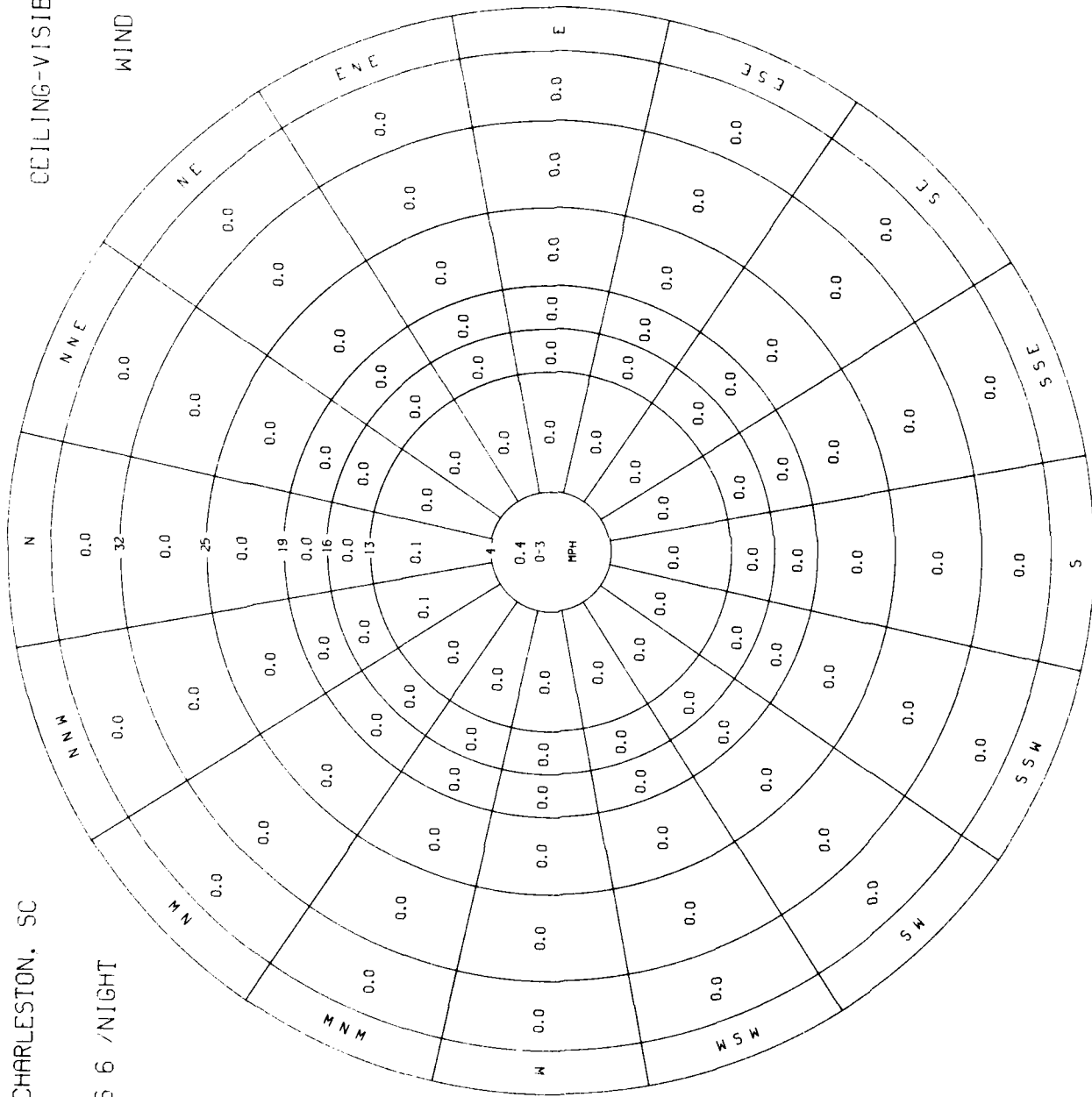
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|----------------------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 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  | .0   | 9.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 16.1 | 4.4 |
| NNE         | .0                 | 2.5  | .0   | 4.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 6.5  | 4.9 |
| NE          | .0                 | 2.0  | .0   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .5 | .0  | .0 | .0    | .0                   | 5.5  | 6.8 |
| ENE         | .0                 | .5   | .0   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 3.5  | 6.4 |
| E           | .0                 | .5   | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 3.0  | 5.8 |
| ESE         | .0                 | 1.0  | .0   | 2.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 3.0  | 5.2 |
| SE          | .0                 | .0   | .0   | 2.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 2.0  | 5.7 |
| SSE         | .0                 | .5   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 1.0  | 4.0 |
| S           | .0                 | 3.0  | .0   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 6.0  | 4.3 |
| SSW         | .0                 | .0   | .0   | 2.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 2.0  | 6.0 |
| SW          | .0                 | 1.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 2.5  | 5.2 |
| WSW         | .0                 | 2.0  | .0   | 2.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 4.0  | 4.8 |
| W           | .0                 | 3.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 4.5  | 4.0 |
| WNW         | .0                 | 1.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 2.0  | 6.3 |
| NW          | .0                 | 2.0  | .0   | 5.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 7.0  | 5.3 |
| NNW         | .0                 | 2.5  | .0   | 5.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 7.5  | 5.4 |
| CALM        | .1                 | 23.6 |      |      |       |    |       |    |       |    |       |    |     |    |       | .1                   | 23.6 |     |
| TOTAL       | .2                 | 52.3 | .2   | 47.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .5 | .0  | .0 | .0    | .4                   | 100  | 3.9 |

CHS CHARLESTON, SC

CLASS 6 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CHS CHARLESTON, SC

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13880

NO. OBS.: 322

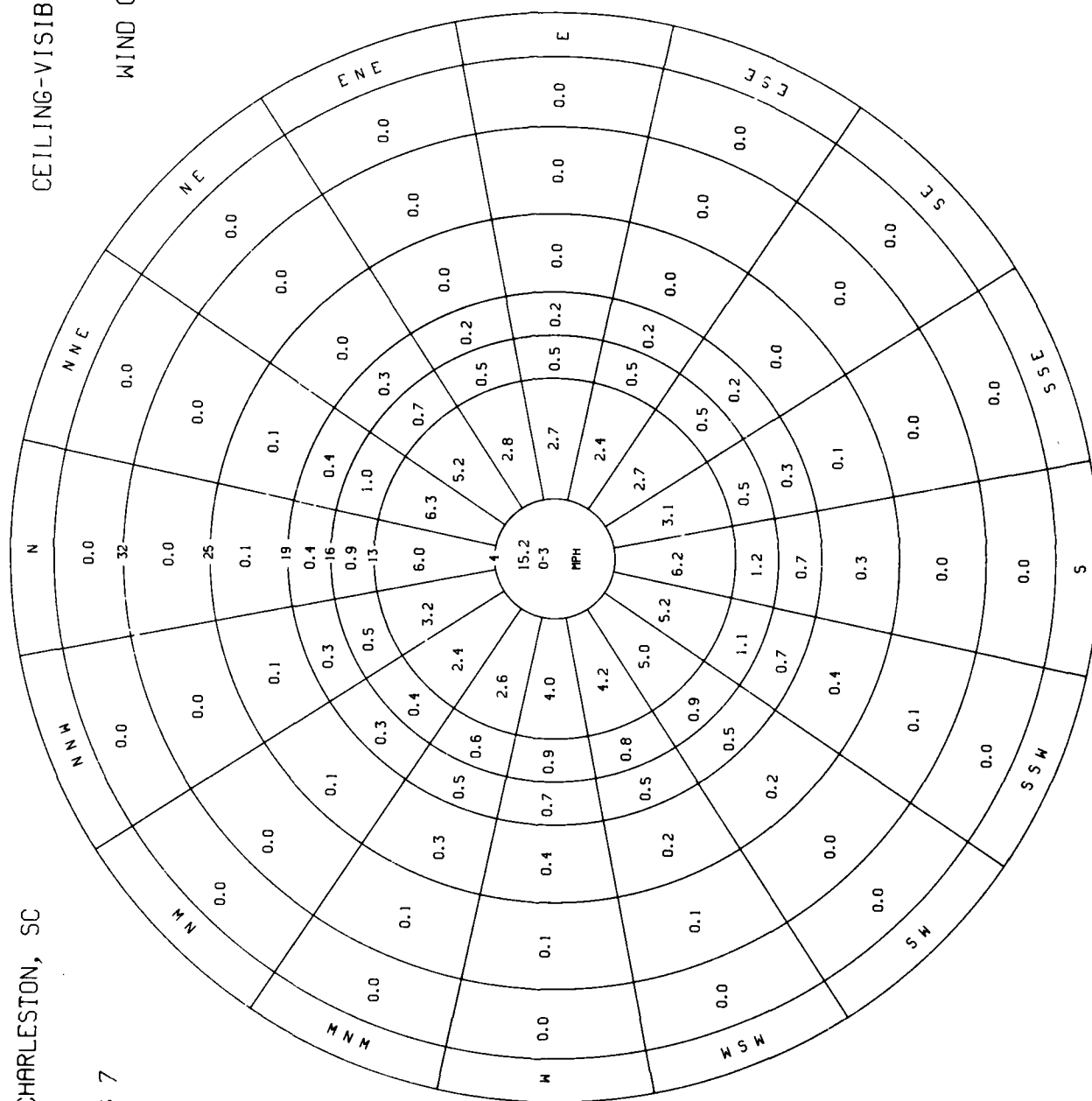
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       |    |      |     | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|----|------|-----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 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   | 6.8  | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1 | 8.7  | 5.5 |                      |
| NNE         | .0                 | 2.8  | .0   | 2.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 5.0  | 4.2 |                      |
| NE          | .0                 | 1.2  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 3.1  | 4.9 |                      |
| ENE         | .0                 | 1.6  | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 2.2  | 3.4 |                      |
| E           | .0                 | .3   | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 2.8  | 6.6 |                      |
| ESE         | .0                 | 1.6  | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 4.0  | 5.1 |                      |
| SE          | .0                 | 1.9  | .0   | 3.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 5.6  | 4.8 |                      |
| SSE         | .0                 | .9   | .0   | 3.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 4.3  | 5.3 |                      |
| S           | .0                 | 1.9  | .0   | 4.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 5.9  | 5.1 |                      |
| SSW         | .0                 | 1.6  | .0   | 3.1  | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 5.0  | 6.3 |                      |
| SW          | .0                 | .6   | .0   | 3.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 3.7  | 6.3 |                      |
| WSW         | .0                 | 1.6  | .0   | 3.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 4.7  | 4.6 |                      |
| W           | .0                 | 1.6  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 3.4  | 4.5 |                      |
| WNW         | .0                 | .9   | .0   | 2.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 3.1  | 4.4 |                      |
| NW          | .0                 | .6   | .0   | 3.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0 | 4.0  | 5.9 |                      |
| NNW         | .0                 | 1.6  | .1   | 7.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1 | 8.7  | 5.9 |                      |
| CALM        | .2                 | 25.8 |      |      |       |    |       |    |       |    |       |    |     |    |       | .2 | 25.8 |     |                      |
| TOTAL       | .4                 | 47.8 | .4   | 51.6 | .0    | .6 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .8 | 100  | 3.9 |                      |

CHS CHARLESTON, SC

CLASS 7

CEILING-VISIBILITY

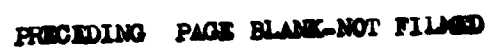
WIND GRAPH





CELL'ING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13893

NO. OBS.: 43081

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .5                 | .6   | 3.7  | 4.2  | .5    | .5   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 4.9 5.6 8.3          |
| NNE         | .5                 | .5   | 3.5  | 4.0  | .6    | .7   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 4.8 5.5 8.7          |
| NNE         | .7                 | .8   | 4.9  | 5.6  | .8    | .9   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 6.6 7.5 8.5          |
| ENE         | .6                 | .7   | 4.2  | 4.7  | .6    | .7   | .1    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 5.5 6.3 8.4          |
| E           | .7                 | .8   | 4.3  | 4.8  | .3    | .4   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 5.3 6.1 7.5          |
| ESE         | .4                 | .5   | 3.2  | 3.7  | .3    | .3   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 4.0 4.5 7.5          |
| SE          | .5                 | .5   | 2.5  | 2.9  | .2    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.3 3.8 7.4          |
| SSE         | .4                 | .5   | 1.7  | 2.0  | .2    | .2   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.5 2.8 7.9          |
| S           | .7                 | .8   | 3.4  | 3.9  | .6    | .6   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 5.1 5.8 8.5          |
| SSW         | .6                 | .7   | 3.4  | 3.9  | .7    | .8   | .4    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 5.4 6.2 9.5          |
| SW          | .8                 | 1.0  | 5.2  | 5.3  | 1.2   | 1.4  | .7    | .8  | .3    | .3  | .0    | .0 | .0  | .0 | 8.3 9.4 9.6          |
| WSW         | .7                 | .8   | 4.5  | 5.1  | 1.1   | 1.2  | .7    | .8  | .3    | .4  | .1    | .1 | .0  | .0 | 7.4 8.4 10.0         |
| W           | .7                 | .8   | 3.6  | 4.1  | 1.0   | 1.2  | .7    | .8  | .4    | .4  | .1    | .1 | .0  | .0 | 6.5 7.4 10.3         |
| WNW         | .4                 | .5   | 2.7  | 3.1  | .8    | .9   | .5    | .6  | .3    | .3  | .0    | .0 | .0  | .0 | 4.8 5.5 10.6         |
| NW          | .5                 | .6   | 2.9  | 3.3  | .6    | .7   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 4.4 5.1 9.1          |
| NNW         | .3                 | .4   | 2.4  | 2.7  | .4    | .4   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 3.4 3.8 8.9          |
| CALM        | 5.6                | 6.4  |      |      |       |      |       |     |       |     |       |    |     |    | 5.6 6.4              |
| TOTAL       | 14.8               | 16.8 | 56.2 | 64.1 | 9.9   | 11.3 | 4.7   | 5.4 | 1.8   | 2.1 | .3    | .3 | .0  | .0 | 87.8 100 8.4         |



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

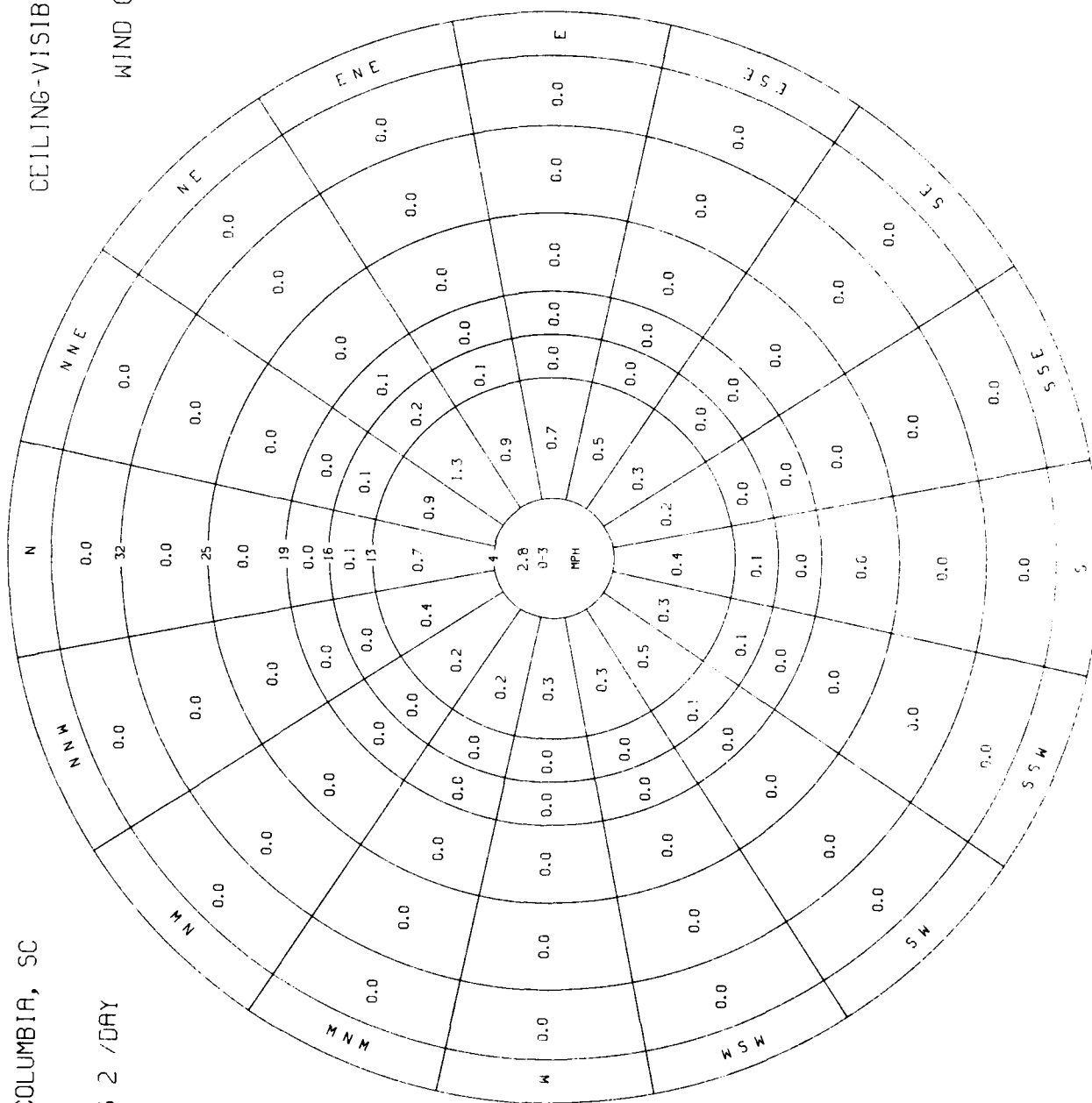
CLASS 1 / NIGHT

STATION NUMBER: 13883

NO. OBS.: 36548

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 3.0  | 3.4  | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.9   | 4.4  | 7.2 |
| NNE         | .6                 | .7   | 2.8  | 3.2  | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.6   | 4.1  | 7.2 |
| NE          | 1.1                | 1.2  | 3.0  | 3.4  | .2    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.4   | 5.0  | 6.7 |
| ENE         | .9                 | 1.1  | 2.7  | 3.1  | .2    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.9   | 4.4  | 6.4 |
| E           | .9                 | 1.1  | 2.1  | 2.4  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.1   | 3.5  | 5.6 |
| ESE         | .4                 | .5   | 1.1  | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 1.8  | 5.6 |
| SE          | .5                 | .5   | 1.0  | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 1.8  | 5.7 |
| SSE         | .5                 | .6   | 1.0  | 1.1  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 1.9  | 6.3 |
| S           | 1.2                | 1.4  | 3.0  | 3.4  | .4    | .4  | .1    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.7   | 5.3  | 6.9 |
| SSW         | 1.7                | 1.9  | 4.0  | 4.5  | .3    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.1   | 6.9  | 6.6 |
| SW          | 2.3                | 2.6  | 6.1  | 6.9  | .3    | .4  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.9   | 10.1 | 6.4 |
| WSW         | 2.1                | 2.4  | 4.9  | 5.6  | .3    | .4  | .1    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | .0                   | 7.6   | 8.7  | 6.5 |
| W           | 2.3                | 2.6  | 4.2  | 4.7  | .6    | .6  | .3    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | .0                   | 7.4   | 8.4  | 6.9 |
| WNW         | 1.2                | 1.4  | 2.4  | 2.7  | .2    | .3  | .1    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | .0                   | 4.1   | 4.6  | 6.6 |
| NW          | .8                 | .9   | 1.5  | 1.7  | .2    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.4   | 2.8  | 6.5 |
| NNW         | .5                 | .5   | 1.8  | 2.1  | .2    | .3  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.6   | 3.0  | 8.0 |
| CALM        | 20.5               | 23.3 |      |      |       |     |       |     |       |    |       |    |     |    |                      | 20.5  | 23.3 |     |
| TOTAL       | 38.1               | 43.2 | 44.6 | 50.6 | 3.5   | 4.0 | 1.4   | 1.6 | .4    | .5 | .1    | .1 | .0  | .0 | .0                   | 88.0  | 100  | 5.1 |

CAE COLUMBIA, SC  
 CLASS 2 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

STATION NUMBER: 13883

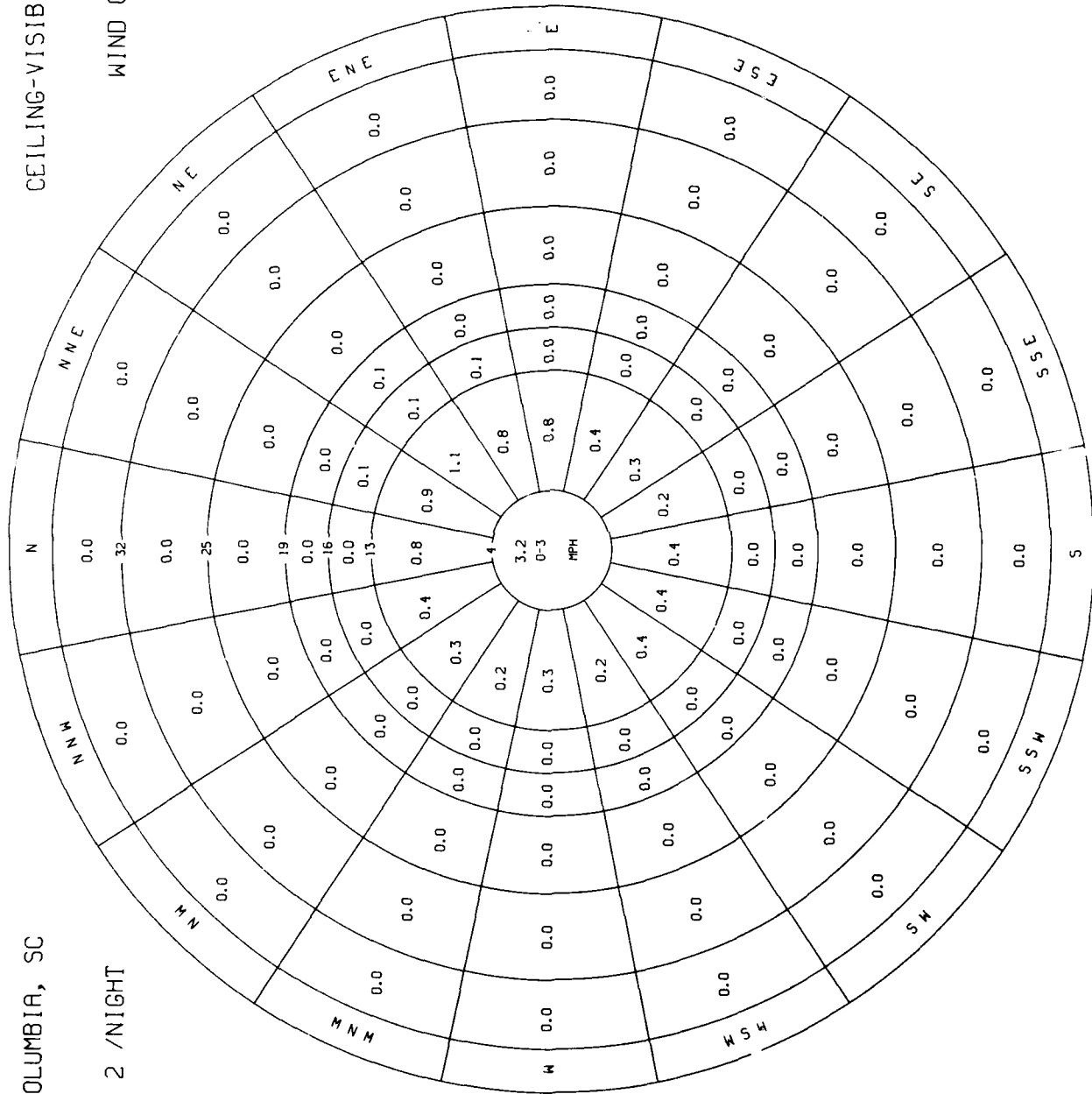
NO. OBS.: 5992

CLASS 2 / DAY

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | .7   | 6.1  | .1    | .9  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | 1.0   | 8.2                  | 8.4 |
| NNE         | .1                 | .9   | .9   | 7.3  | .1    | 1.0 | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | 1.2   | 9.6                  | 8.6 |
| NE          | .2                 | 1.3  | 1.3  | 10.4 | .2    | 1.2 | .1    | .5  | .0    | .1  | .0    | .0 | .0  | .0 | 1.6   | 13.5                 | 8.5 |
| ENE         | .1                 | 1.0  | .9   | 7.3  | .1    | .8  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | 1.1   | 9.4                  | 8.1 |
| E           | .2                 | 1.2  | .7   | 5.8  | .0    | .3  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .9    | 7.5                  | 7.0 |
| ESE         | .1                 | .8   | .5   | 3.9  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .6    | 5.0                  | 6.8 |
| SE          | .1                 | .8   | .3   | 2.5  | .0    | .1  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.4                  | 6.3 |
| SSE         | .1                 | .6   | .2   | 1.4  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 2.4                  | 7.4 |
| S           | .1                 | 1.0  | .4   | 3.1  | .1    | .5  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 4.8                  | 7.6 |
| SSW         | .1                 | .7   | .3   | 2.7  | .1    | .6  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 4.4                  | 9.1 |
| SW          | .1                 | .7   | .5   | 3.8  | .1    | .7  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .7    | 5.6                  | 8.7 |
| WSW         | .1                 | .6   | .3   | 2.5  | .0    | .2  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 3.7                  | 8.1 |
| W           | .1                 | .9   | .3   | 2.1  | .0    | .4  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 3.5                  | 7.7 |
| WNW         | .0                 | .4   | .2   | 1.3  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.0                  | 8.2 |
| NW          | .1                 | .4   | .2   | 1.9  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.7                  | 7.8 |
| NNW         | .0                 | .4   | .4   | 2.9  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .5    | 3.7                  | 8.4 |
| CALM        | 1.3                | 10.8 |      |      |       |     |       |     |       |     |       |    |     |    | 1.3   | 10.8                 |     |
| TOTAL       | 2.8                | 23.2 | 7.9  | 64.8 | .9    | 7.7 | .4    | 3.0 | .1    | 1.1 | .0    | .3 | .0  | .0 | 12.2  | 100                  | 7.2 |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13883

NO. OBS.: 4961

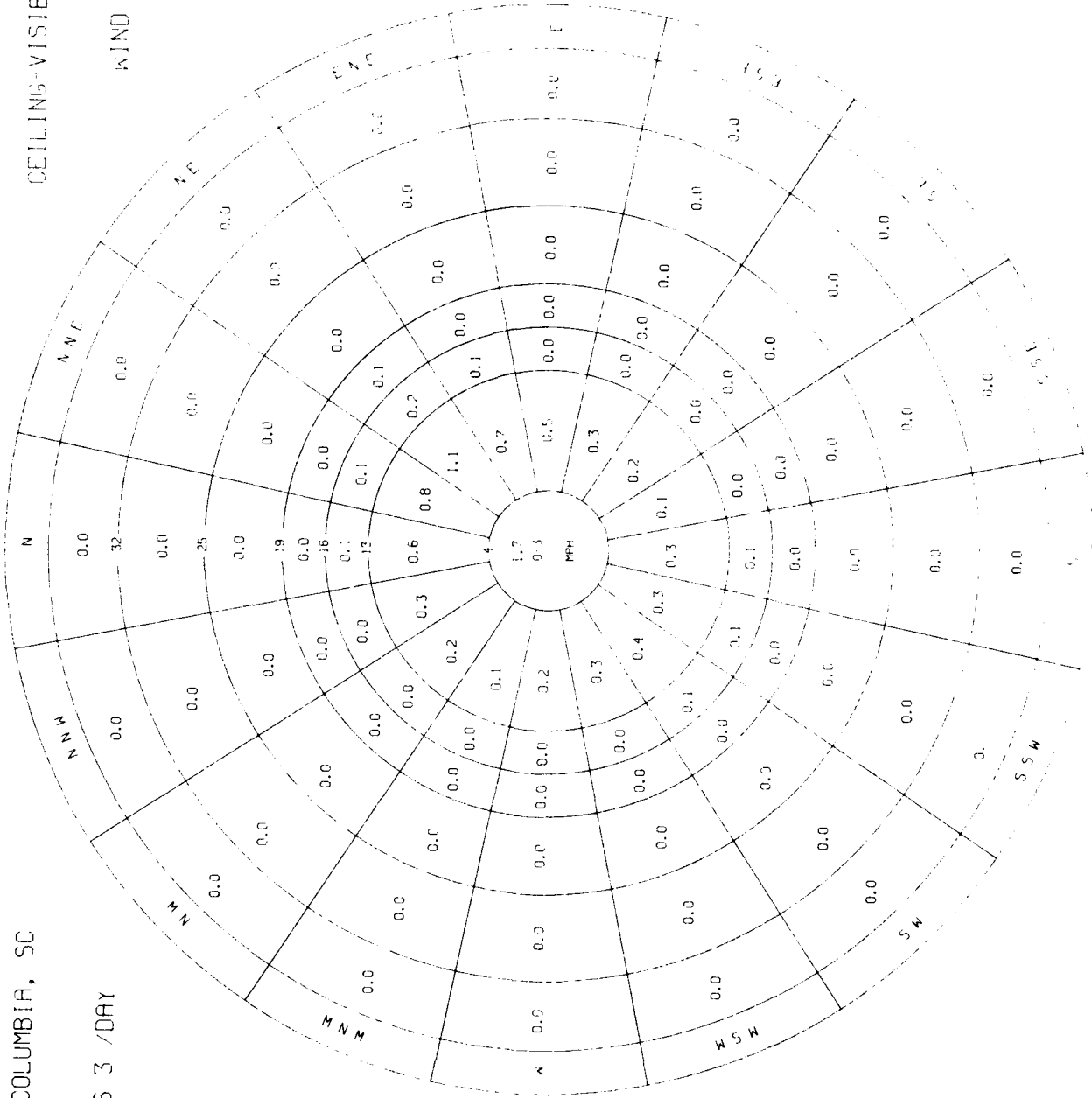
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .1                 | .8   | .8   | 6.6  | .0    | .4  | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | 1.0 8.0              |
| NNE         | .1                 | .9   | .9   | 7.7  | .1    | .9  | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | 1.2 9.9              |
| NE          | .2                 | 1.4  | 1.1  | 9.1  | .1    | 1.2 | .1    | .5  | .0    | .1 | .0    | .0 | .0  | .0 | 1.5 12.3             |
| ENE         | .2                 | 1.3  | .8   | 6.7  | .1    | .5  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.0 8.6              |
| E           | .2                 | 1.6  | .8   | 6.7  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.0 8.6              |
| ESE         | .1                 | .9   | .4   | 3.2  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.0 8.6              |
| SE          | .1                 | .6   | .3   | 2.3  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .5 4.3               |
| SSE         | .1                 | .5   | .2   | 1.4  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .4 3.2               |
| S           | .1                 | .9   | .4   | 2.9  | .0    | .4  | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | .3 2.1               |
| SSW         | .1                 | .6   | .4   | 3.4  | .0    | .4  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .5 4.5               |
| SW          | .1                 | .9   | .4   | 3.2  | .0    | .3  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .5 4.6               |
| WSW         | .1                 | .8   | .2   | 1.7  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .5 4.6               |
| W           | .1                 | .9   | .3   | 2.5  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3 2.8               |
| WNW         | .1                 | .5   | .2   | 1.7  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .5 3.8               |
| NW          | .1                 | .6   | .3   | 2.1  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .3 2.4               |
| NNW         | .1                 | .5   | .4   | 3.6  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .4 3.1               |
| CALM        | 1.5                | 12.9 |      |      |       |     |       |     |       |    |       |    |     |    | .5 4.5               |
| TOTAL       | 3.2                | 26.5 | 7.7  | 64.8 | .7    | 5.9 | .2    | 2.0 | .1    | .7 | .0    | .1 | .0  | .0 | 1.5 12.9             |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 12.0 100             |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 6.5                  |



CAR COLUMBIA, SC

CLASS 3 / DAY

CEILING-VISIBILITY  
WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 1983

NO. OBS.: 4738

| D     | SPEED GROUPS (MPH) |     |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------|--------------------|-----|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|-----|
|       | 0-3                |     | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |     |
|       | A                  | B   | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |       |     |
| N     | .1                 | .8  | .6   | 6.5  | .1    | 1.1 | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .8                   | 8.7   | 8.7 |
| NNE   | .1                 | .8  | .9   | 7.8  | .1    | 1.2 | .0    | .3  | .0    | .2  | .0    | .0 | .0  | .0 | 1.0                  | 10.1  | 9.9 |
| NNE   | .1                 | .1  | 1.1  | 11.6 | .2    | 1.6 | .1    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | 1.4                  | 15.0  | 9.9 |
| NNE   | .1                 | .7  | .7   | 7.4  | .1    | 1.0 | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | .9                   | 9.5   | 8.6 |
| NNE   | .1                 | .8  | .5   | 5.3  | .0    | .3  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .6                   | 6.6   | 7.4 |
| NNE   | .1                 | .6  | .3   | 3.4  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 4.3   | 7.1 |
| NNE   | .1                 | .5  | .2   | 2.3  | .0    | .1  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .3                   | 3.0   | 6.7 |
| NNE   | .1                 | .5  | .1   | 1.4  | .0    | .1  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .2                   | 2.3   | 7.9 |
| NNE   | .1                 | .7  | .3   | 3.5  | .1    | .6  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .5                   | 5.0   | 8.2 |
| NNE   | .1                 | .5  | .3   | 3.0  | .1    | .7  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .5                   | 4.8   | 9.7 |
| NNE   | .1                 | .7  | .1   | 4.3  | .1    | .8  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .6                   | 6.4   | 9.0 |
| NNE   | .1                 | .6  | .3   | 2.8  | .0    | .3  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .4                   | 4.1   | 8.4 |
| NNE   | .1                 | .7  | .2   | 2.2  | .0    | .5  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4                   | 3.7   | 8.3 |
| NNE   | .1                 | .4  | .1   | 1.4  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2                   | 2.2   | 8.3 |
| NNE   | .1                 | .4  | .2   | 2.0  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | 2.7   | 8.0 |
| NNE   | .1                 | .7  | .1   | 1.0  | .0    | .3  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .4                   | 3.8   | 8.7 |
| TOTAL | 7.7                | 7.9 | 6.6  | 67.3 | .9    | 9.3 | .1    | 3.5 | .1    | 1.2 | .0    | .2 | .0  | .0 | 7.7                  | 7.6   | 8.8 |

AD-A108 159

NATIONAL CLIMATIC CENTER ASHEVILLE NC

**F/G 4/2**

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

JUN 81

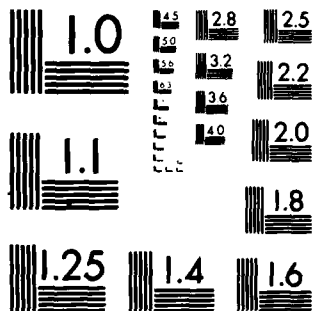
DOT-FA79WAI-057

NL

**UNCLASSIFIED**

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08/59



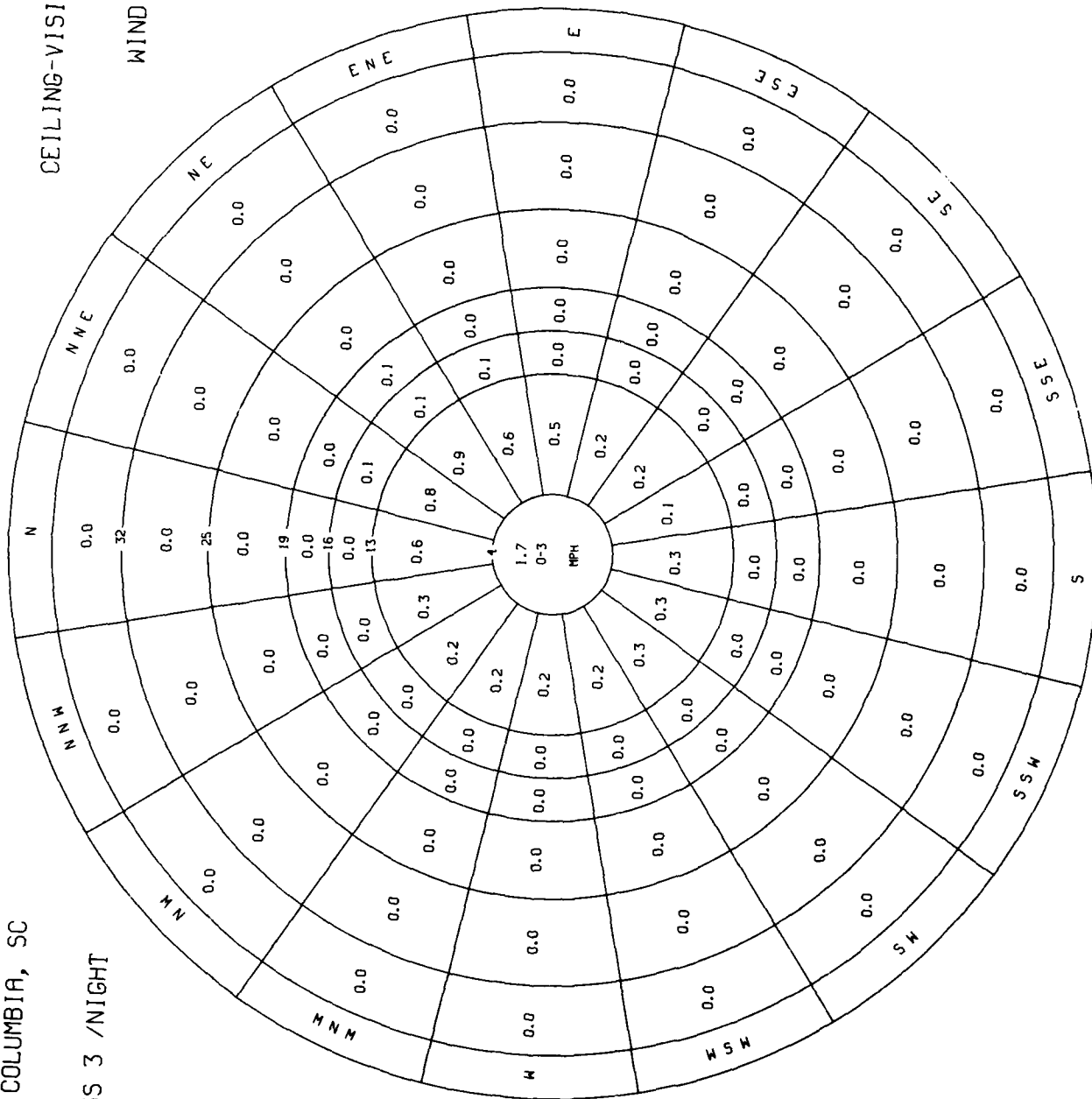
MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963-A

CAE COLUMBIA, SC

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13883

NO. OBS.: 3542

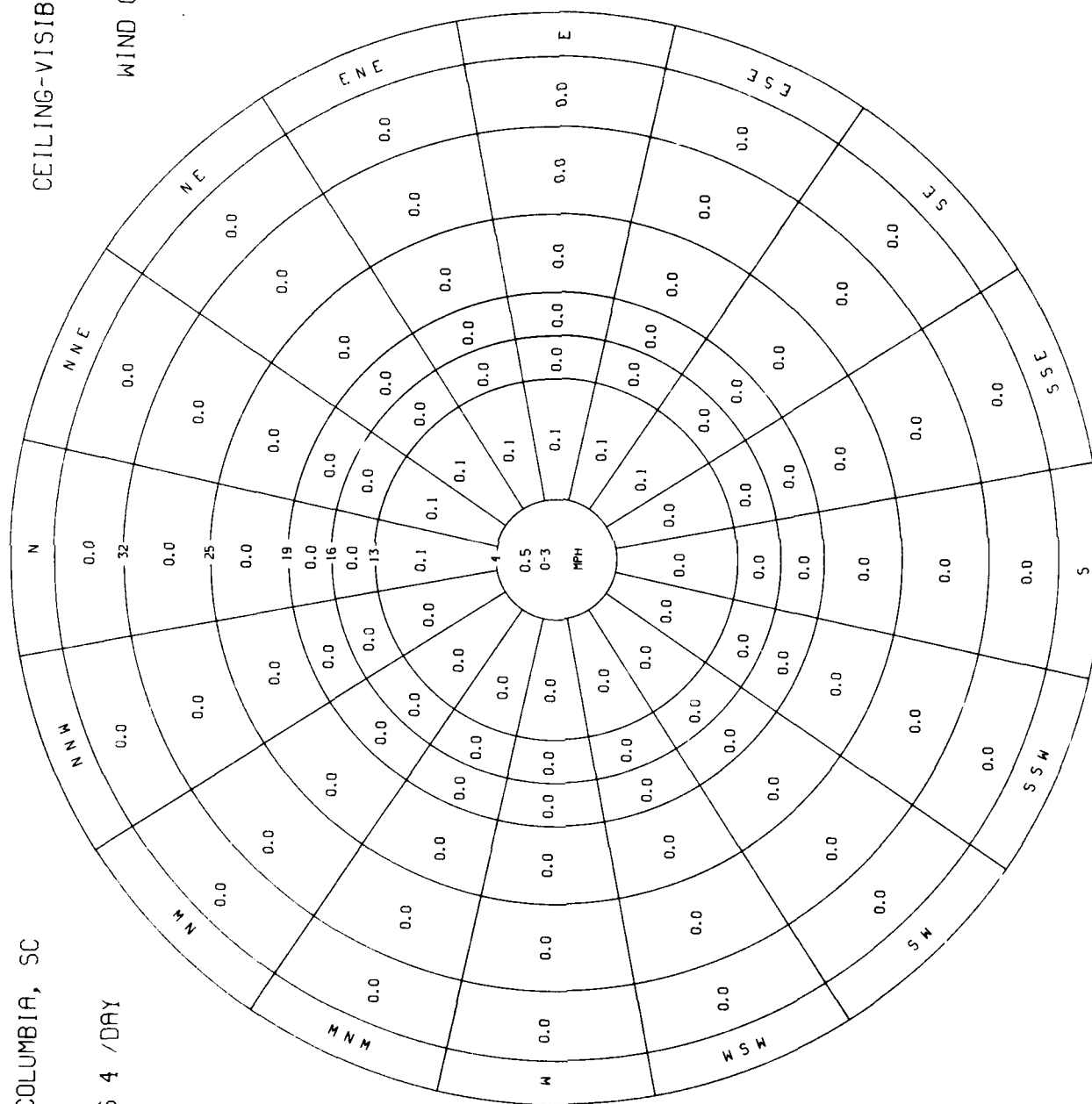
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | .6   | .6   | 6.8  | .0    | .5  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .7 8.3               |
| NNE         | .1                 | .7   | .8   | 8.9  | .1    | 1.2 | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | 1.0 11.4             |
| NE          | .1                 | 1.1  | .9   | 10.9 | .1    | 1.6 | .1    | .7  | .0    | .1  | .0    | .1 | .0  | .0 | 1.2 14.5             |
| ENE         | .1                 | 1.1  | .6   | 7.2  | .1    | .6  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .8 9.1               |
| E           | .1                 | 1.1  | .5   | 5.6  | .0    | .3  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .6 7.1               |
| ESE         | .0                 | .6   | .2   | 2.7  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.5               |
| SE          | .0                 | .4   | .2   | 2.3  | .0    | .2  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 3.1               |
| SSE         | .0                 | .5   | .1   | 1.5  | .0    | .2  | .0    | .0  | .0    | .1  | .0    | .0 | .0  | .0 | .2 2.3               |
| S           | .1                 | .6   | .3   | 3.5  | .0    | .5  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .4 5.0               |
| SSW         | .0                 | .5   | .3   | 3.9  | .0    | .5  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4 5.1               |
| SW          | .1                 | .8   | .3   | 3.6  | .0    | .4  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4 5.0               |
| WSW         | .1                 | .7   | .2   | 1.9  | .0    | .3  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 3.0               |
| W           | .1                 | .7   | .2   | 2.7  | .0    | .3  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3 3.8               |
| WNW         | .0                 | .3   | .2   | 1.8  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .2 2.4               |
| NW          | .0                 | .6   | .2   | 2.1  | .0    | .4  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.1               |
| NNW         | .0                 | .3   | .3   | 3.5  | .0    | .3  | .0    | .1  | .0    | .0  | .0    | .1 | .0  | .0 | .4 4.3               |
| CALM        | .8                 | 8.9  |      |      |       |     |       |     |       |     |       |    |     |    | .8 8.9               |
| TOTAL       | 1.7                | 19.6 | 5.9  | 68.8 | .7    | 7.8 | .2    | 2.7 | .1    | 1.0 | .0    | .1 | .0  | .0 | 8.5 100              |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 7.3                  |

CAE COLUMBIA, SC

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 4 / DAY

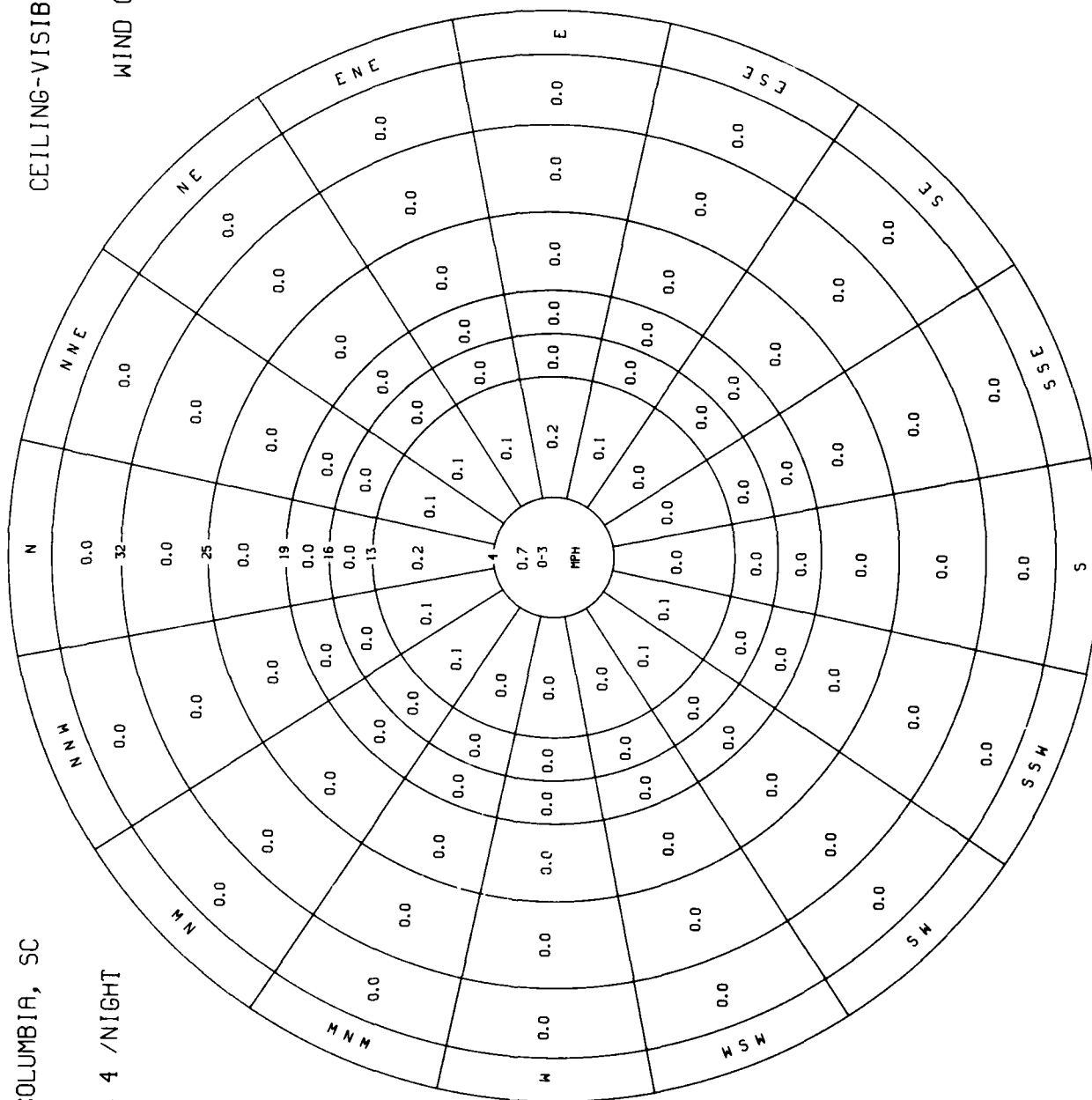
STATION NUMBER: 13883

NO. OBS.: 790

| DIR   | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|       | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 6.3  | .0    | .3  | .0    | .0  | .0    | .1 | .0    | .1 | .0  | .0 | .0                   | .1    | 8.0  | 7.2 |
| NNE   | .0                 | 1.3  | .1   | 6.7  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 8.4  |     |
| NE    | .0                 | 2.0  | .1   | 7.1  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 6.8  |     |
| ENE   | .0                 | 1.8  | .1   | 7.6  | .0    | .3  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 9.4  | 6.7 |
| E     | .0                 | 2.2  | .1   | 8.5  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 9.9  |     |
| ESE   | .0                 | 1.3  | .1   | 6.8  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .1 | .0  | .0 | .0                   | .2    | 11.0 | 6.4 |
| SE    | .0                 | 1.9  | .1   | 3.3  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 8.5  |     |
| SSE   | .0                 | 1.3  | .0   | 1.3  | .0    | .0  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.3  | 5.8 |
| S     | .0                 | 1.4  | .0   | 2.5  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.8  |     |
| SSW   | .0                 | 1.4  | .0   | 1.8  | .0    | .0  | .0    | .1  | .0    | .1 | .0    | .1 | .0  | .0 | .0                   | .1    | 4.1  | 5.4 |
| SW    | .0                 | .5   | .0   | 2.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.4  |     |
| WSW   | .0                 | .5   | .0   | 1.3  | .0    | .0  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.2  | 6.3 |
| W     | .0                 | 1.3  | .0   | 1.8  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.9  |     |
| WNW   | .0                 | .0   | .0   | .8   | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .1 | .0  | .0 | .0                   | .1    | 3.2  | 5.9 |
| NW    | .0                 | .4   | .0   | 2.0  | .0    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  |     |
| NNW   | .0                 | .1   | .0   | 2.9  | .0    | .0  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.9  | 8.0 |
| CALM  | .2                 | 13.9 |      |      | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.3  |     |
| TOTAL | .5                 | 32.3 | 1.0  | 63.2 | .0    | 2.0 | .0    | 1.5 | .0    | .6 | .0    | .4 | .0  | .0 | .0                   | .2    | 13.9 | 5.7 |
|       |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |                      | 1.6   | 100  |     |



CAE COLUMBIA, SC  
 CLASS 4 /NIGHT  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 4 / NIGHT

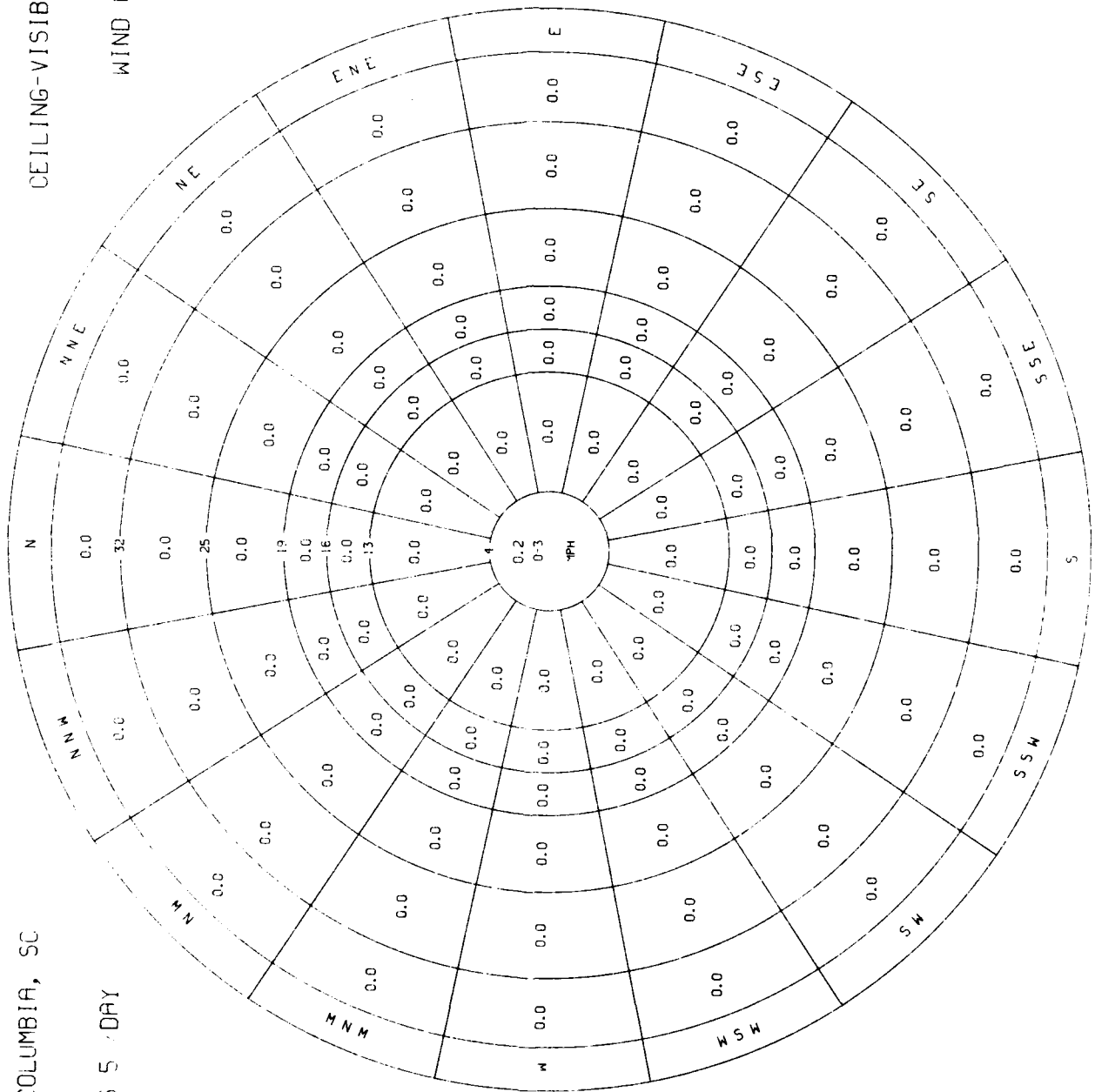
STATION NUMBER: 13883

NO. OBS.: 870

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|-------|----------------------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |                      |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |       |                      | C    | D   |
| N           | .0                 | 1.4  | .2   | 7.7  | .0    | .1  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 9.2  | 6.3 |
| NNE         | .0                 | 1.3  | .1   | 6.2  | .0    | .1  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 7.6  | 6.5 |
| NE          | .0                 | 1.4  | .1   | 6.2  | .0    | .1  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 7.7  | 6.5 |
| ENE         | .0                 | 1.6  | .1   | 6.6  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 8.4  | 6.1 |
| E           | .0                 | 1.8  | .2   | 10.7 | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3                   | 13.0 | 6.5 |
| ESE         | .0                 | 1.0  | .1   | 5.1  | .0    | .0  | .0    | .1 | .0    | .0 | .0    | .1 | .0  | .0 | .0    | .1                   | 6.3  | 6.3 |
| SE          | .0                 | .7   | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.0  | 5.7 |
| SSE         | .0                 | .5   | .0   | 1.1  | .0    | .1  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 1.7  | 6.0 |
| S           | .0                 | 1.6  | .0   | 1.7  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.6  | 5.1 |
| SSW         | .0                 | .8   | .1   | 2.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.3  | 6.4 |
| SW          | .0                 | 1.0  | .1   | 2.5  | .0    | .0  | .0    | .1 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.7  | 5.6 |
| WSW         | .0                 | .7   | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0                   | 2.3  | 4.9 |
| W           | .0                 | 1.3  | .0   | 2.3  | .0    | .1  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.7  | 5.5 |
| WNW         | .0                 | .6   | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .0                   | 2.3  | 6.7 |
| NW          | .0                 | .5   | .1   | 2.9  | .0    | .1  | .0    | .1 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 3.6  | 7.5 |
| NNW         | .0                 | .6   | .1   | 4.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 5.1  | 6.5 |
| CALM        | .3                 | 15.6 |      |      |       |     |       |    |       |    |       |    |     |    |       | .3                   | 15.6 |     |
| TOTAL       | .7                 | 32.3 | 1.4  | 65.5 | .0    | 1.6 | .0    | .3 | .0    | .1 | .0    | .1 | .0  | .0 | .0    | 2                    | 100  | 5.3 |

# CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 5 / DAY

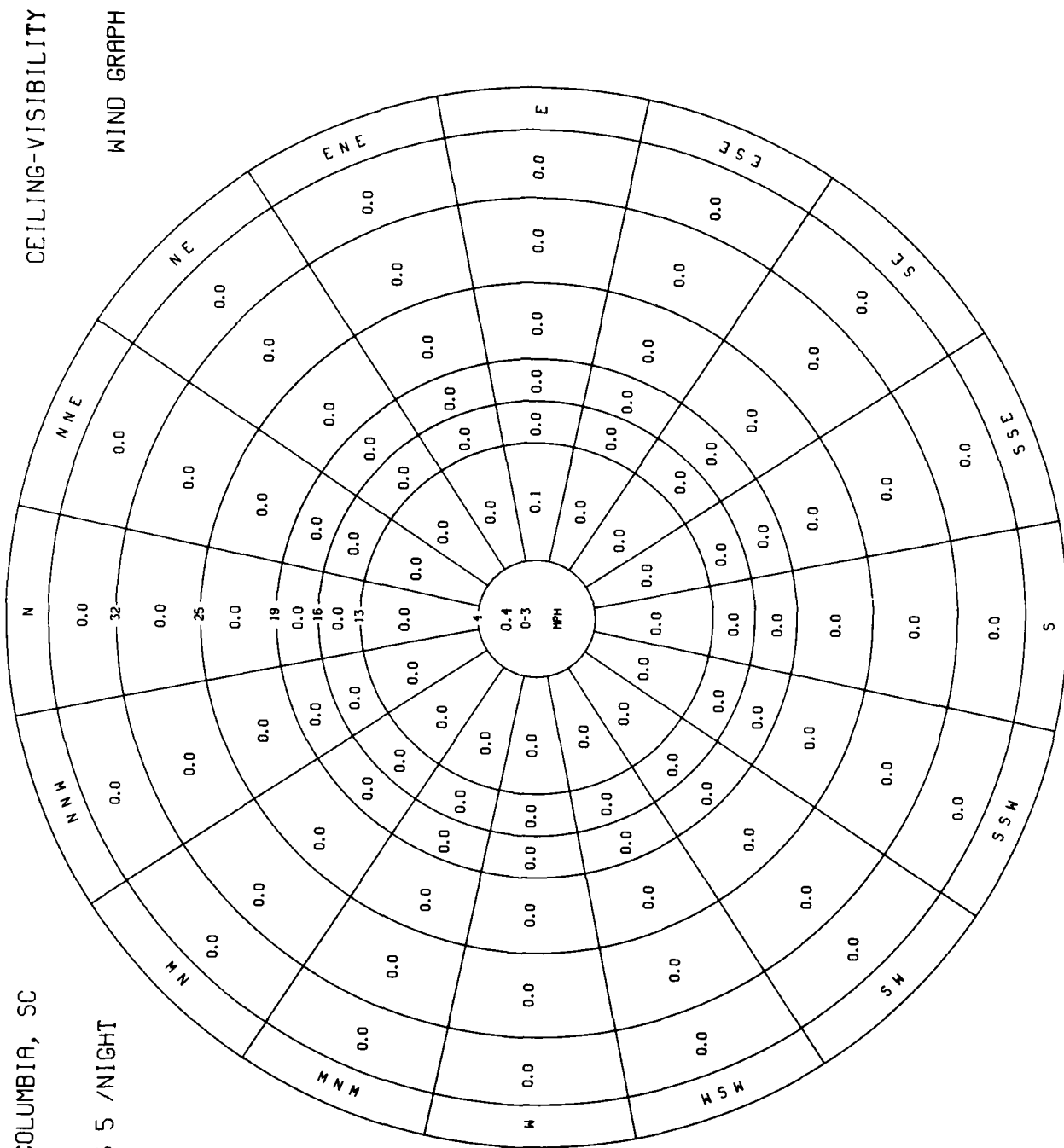
STATION NUMBER: 13893

NO. OBS.: 201

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .5   | .0   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 3.5                  |
| NNE         | .0                 | .5   | .0   | 3.5  | .0    | .0 | .0    | .0 | .0    | .5  | .0    | .0 | .0  | .0 | 4.5                  |
| NE          | .0                 | 2.0  | .0   | 5.0  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 7.0                  |
| ENE         | .0                 | 1.5  | .0   | 6.0  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 7.5                  |
| E           | .0                 | 2.5  | .0   | 9.5  | .0    | .0 | .0    | .0 | .0    | .5  | .0    | .0 | .0  | .1 | 12.4                 |
| ESE         | .0                 | 3.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 4.5                  |
| SE          | .0                 | 1.5  | .0   | 4.0  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 5.5                  |
| SSE         | .0                 | .5   | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 1.5                  |
| S           | .0                 | 3.5  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 3.5                  |
| SSW         | .0                 | .5   | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 2.0                  |
| SW          | .0                 | 1.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 2.5                  |
| WSW         | .0                 | 2.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .5 | .0  | .0 | 4.0                  |
| W           | .0                 | 2.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 3.5                  |
| WNW         | .0                 | .5   | .0   | 2.0  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 2.5                  |
| NW          | .0                 | 1.0  | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 1.5                  |
| NNW         | .0                 | 1.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0  | .0    | .0 | .0  | .0 | 2.5                  |
| CALM        | .1                 | 31.8 |      |      |       |    |       |    |       |     |       |    |     | .1 | 31.8                 |
| TOTAL       | .2                 | 55.2 | .2   | 43.3 | .0    | .0 | .0    | .0 | .0    | 1.0 | .0    | .5 | .0  | .0 | 3.7                  |

CAE COLUMBIA, SC

CLASS 5 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 5 / NIGHT

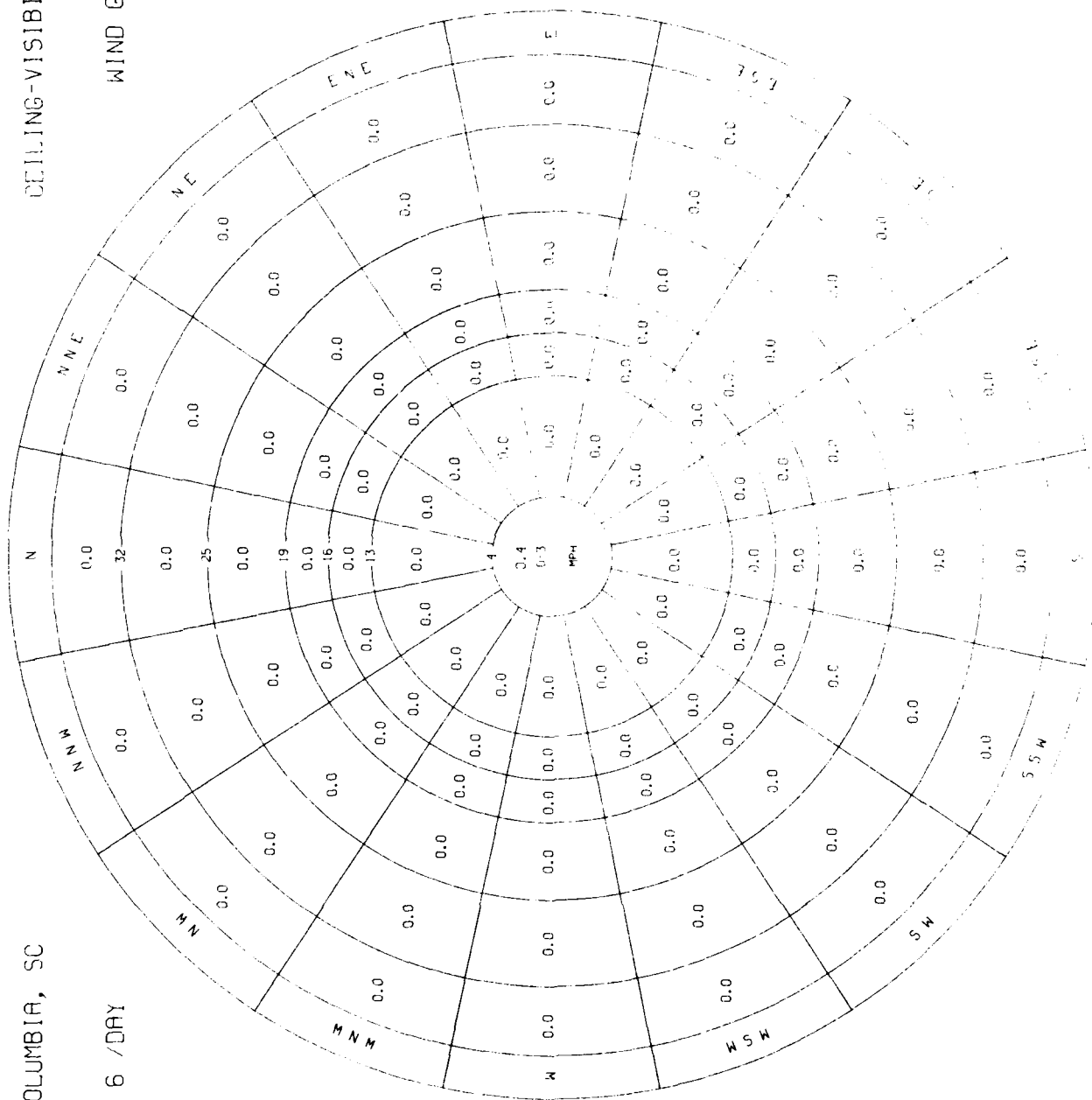
STATION NUMBER: 13883

NO. OBS.: 314

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.9  | .0   | 3.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.4                  |
| NNE         | .0                 | 1.0  | .0   | 3.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.1                  |
| NE          | .0                 | 4.1  | .0   | 2.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 7.0                  |
| ENE         | .0                 | 1.6  | .0   | 3.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.4                  |
| E           | .0                 | 2.5  | .1   | 7.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 10.2                 |
| ESE         | .0                 | 2.5  | .0   | 4.1  | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 7.0                  |
| SE          | .0                 | 2.2  | .0   | 2.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.5                  |
| SSE         | .0                 | .6   | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.2                  |
| S           | .0                 | 1.6  | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  |
| SSW         | .0                 | 1.0  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.9                  |
| SW          | .0                 | 1.0  | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.5                  |
| WSW         | .0                 | 1.6  | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.9                  |
| W           | .0                 | 2.5  | .0   | 2.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.8                  |
| WNW         | .0                 | 1.3  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.2                  |
| NW          | .0                 | 1.6  | .0   | 1.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  |
| NNW         | .0                 | 1.6  | .0   | 4.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.7                  |
| CALM        | .2                 | 25.8 |      |      |       |    |       |    |       |    |       |    |     |    | 25.8                 |
| TOTAL       | .4                 | 54.5 | .3   | 45.2 | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 8                    |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 100                  |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 3.6                  |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

PERIOD: 1948-1978

STATION NAME: LAE COLUMBIA, SC

CLASS 6 / DAY

NO. OBS.: 263

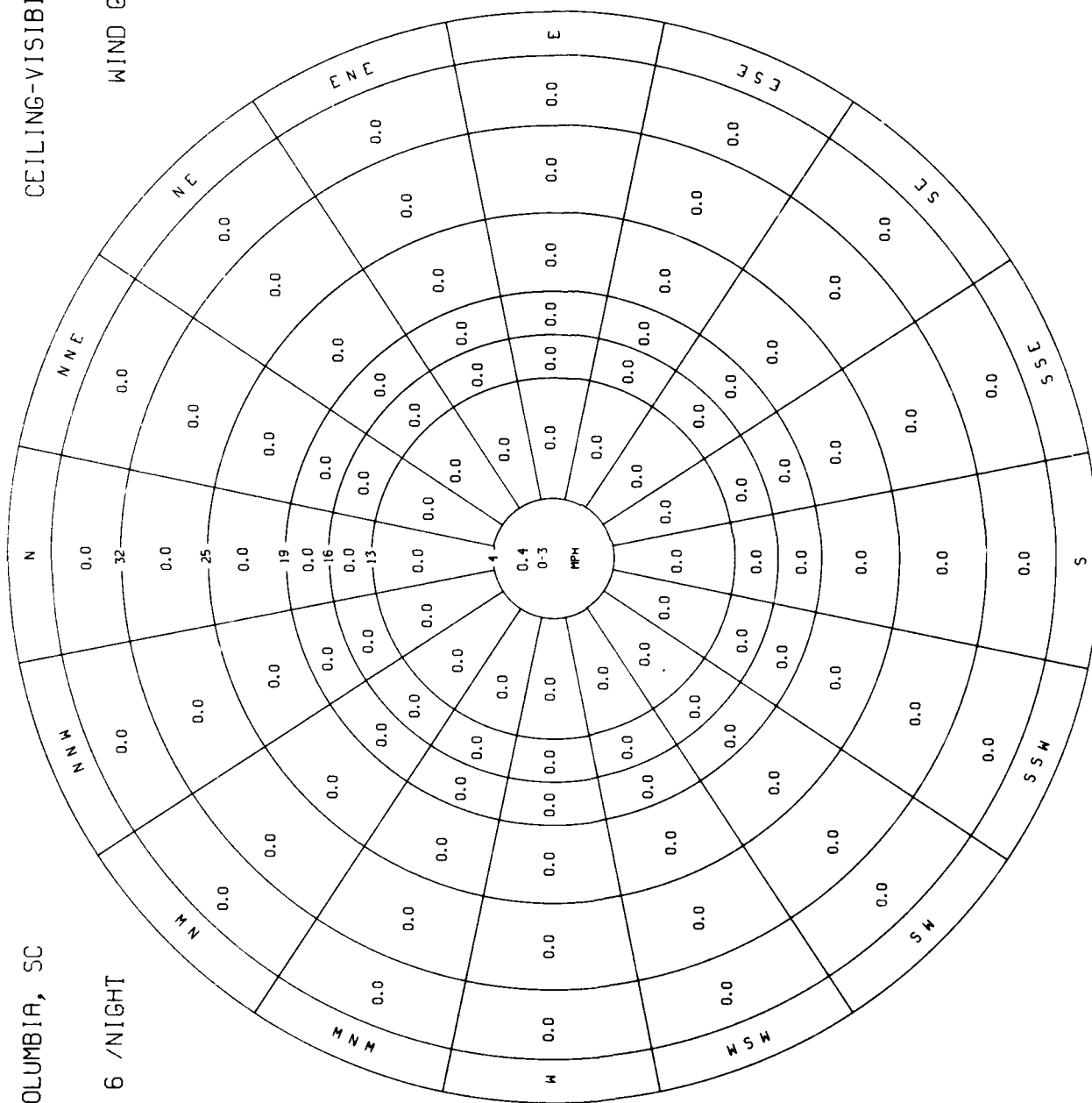
STATION NUMBER: 13883

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 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   | 1.5  | .0    | .0 | .0    | .0 | .0    | .4 | .0    | .0 | .0  | .0 | .0                   | 4.2   | 5.3 |
| NNE         | .0                 | 1.1  | .0   | 2.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.8   | 4.9 |
| NE          | .0                 | 1.9  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.8   | 4.2 |
| ENE         | .0                 | 2.7  | .0   | 5.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.0   | 4.6 |
| E           | .0                 | 4.6  | .0   | 4.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.7   | 4.1 |
| ESE         | .0                 | 2.3  | .0   | 5.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.0   | 5.1 |
| SE          | .0                 | .8   | .0   | 1.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.9   | 2.9 |
| SSE         | .0                 | .8   | .0   | 2.3  | .0    | .4 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.4   | 3.9 |
| S           | .0                 | 2.7  | .0   | 1.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.9   | 2.5 |
| SSW         | .0                 | 1.9  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 2.9 |
| SW          | .0                 | .0   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .8    | 4.5 |
| WSW         | .0                 | .4   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.3   | 5.5 |
| W           | .0                 | 1.1  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 3.0 |
| WNW         | .0                 | .4   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 3.0 |
| NW          | .0                 | 1.1  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.5   | 3.5 |
| NNW         | .0                 | 1.5  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .4 | .0  | .0 | .0                   | 3.4   | 5.7 |
| CALM        | .2                 | 42.2 |      |      |       |    |       |    |       |    |       |    |     |    | .2                   | 42.2  | 2.7 |
| TOTAL       | .4                 | 67.7 | .2   | 31.2 | .0    | .4 | .0    | .0 | .0    | .4 | .0    | .4 | .0  | .0 | .5                   | 100   | 2.7 |



CEILING-VISIBILITY

WIND GRAPH



CAE COLUMBIA, SC

CLASS 6 / NIGHT

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CAE COLUMBIA, SC

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13883

NO. OBS.: 235

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |     |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C   |
| N           | .0                 | .0   | .0   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.0   | 6.4 |
| NNE         | .0                 | 2.1  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.0   | 3.6 |
| NE          | .0                 | 1.3  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.1   | 3.8 |
| ENE         | .0                 | 2.6  | .0   | 4.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.8   | 4.9 |
| E           | .0                 | 5.5  | .0   | 6.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 11.9  | 4.6 |
| ESE         | .0                 | 2.6  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.7   | 3.8 |
| SE          | .0                 | 1.7  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.8   | 5.1 |
| SSE         | .0                 | .0   | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .9    | 8.0 |
| S           | .0                 | 1.3  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.1   | 4.2 |
| SSW         | .0                 | 2.1  | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.4   | 4.1 |
| SW          | .0                 | 1.7  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.6   | 4.0 |
| WSW         | .0                 | 1.7  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.7   | 3.0 |
| W           | .0                 | .9   | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.7   | 4.5 |
| WNW         | .0                 | 1.3  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.1   | 3.8 |
| NW          | .0                 | .4   | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.7   | 5.2 |
| NNW         | .0                 | 1.3  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.4   | 4.9 |
| CALM        | .3                 | 45.1 |      |      |       |    |       |    |       |    |       |    |     |    | .3                   | 45.1  |     |
| TOTAL       | .4                 | 71.5 | .2   | 28.5 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .6                   | 100   | 2.5 |

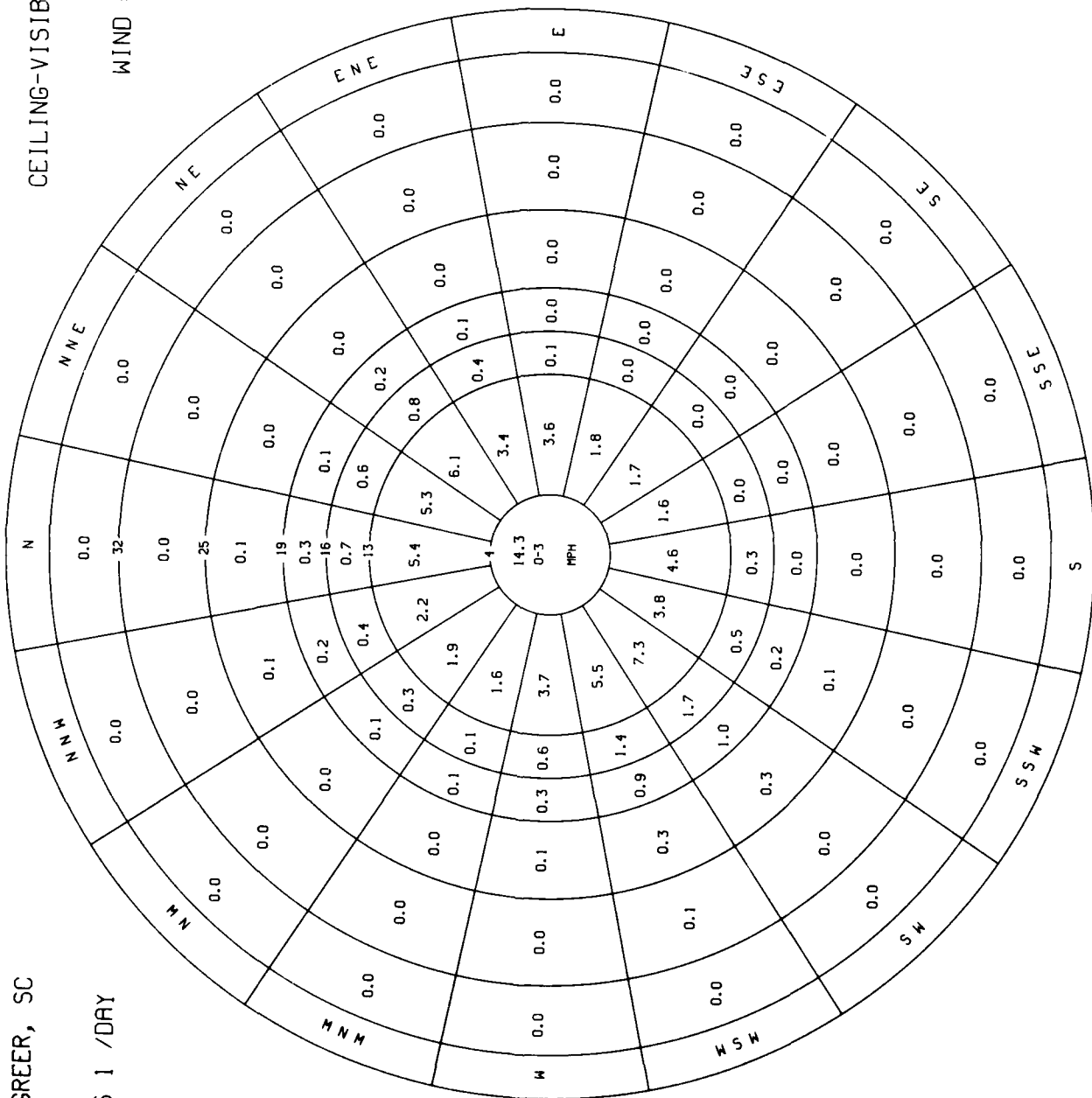


GSP GREER, SC

CLASS 1 /DRY

CEILING-VISIBILITY

WIND GRAPH



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# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 1 / DAY

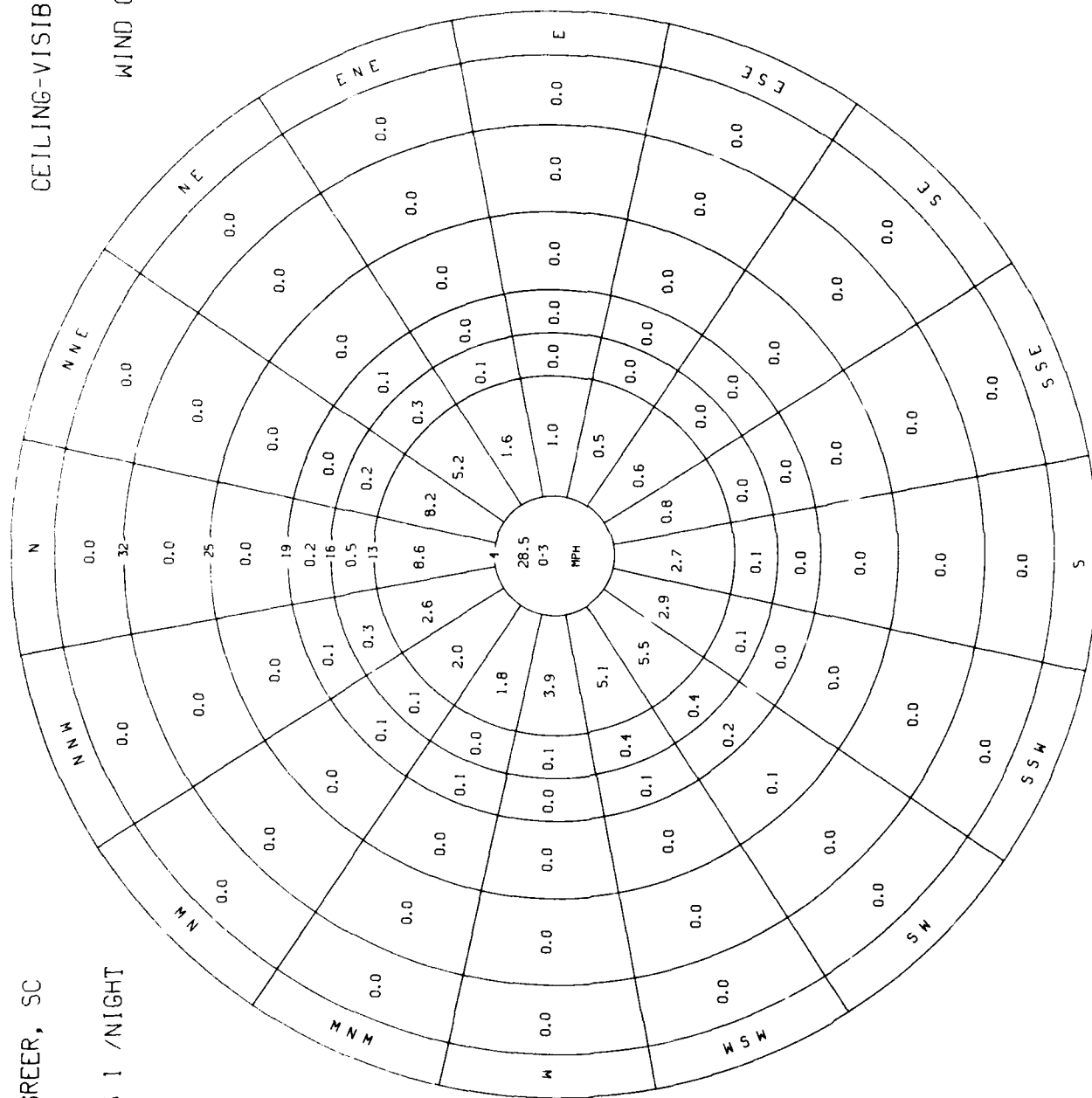
STATION NUMBER: 03870

NO. OBS.: 22276

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | 1.0                | 1.2  | 5.4  | 6.3  | .7    | .9  | .3    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 7.7 8.9              |
| NNE         | .6                 | .7   | 5.3  | 6.1  | .6    | .6  | .1    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 6.6 7.7              |
| NE          | .6                 | .7   | 6.1  | 7.1  | .8    | .9  | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 7.7 9.0              |
| ENE         | .5                 | .5   | 3.4  | 4.0  | .4    | .5  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.4 5.1              |
| E           | .9                 | 1.1  | 3.6  | 4.1  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 4.6 5.3              |
| ESE         | .6                 | .7   | 1.8  | 2.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.4 2.8              |
| SE          | .7                 | .8   | 1.7  | 1.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.3 2.7              |
| SSE         | .5                 | .6   | 1.6  | 1.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.2 2.5              |
| S           | .9                 | 1.0  | 4.6  | 5.4  | .3    | .3  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 5.8 6.8              |
| SSW         | .5                 | .5   | 3.8  | 4.4  | .5    | .6  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 5.0 5.8              |
| SW          | .5                 | .6   | 7.3  | 8.5  | 1.7   | 1.9 | 1.0   | 1.1 | .3    | .4  | .0    | .0 | .0  | .0 | 10.8 12.5            |
| WSW         | .4                 | .5   | 5.5  | 6.4  | 1.4   | 1.6 | .9    | 1.0 | .3    | .3  | .1    | .1 | .0  | .0 | 8.5 9.9              |
| W           | .5                 | .6   | 3.7  | 4.3  | .6    | .6  | .3    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 5.2 6.0              |
| WNW         | .5                 | .6   | 1.6  | 1.8  | .1    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.3 2.7              |
| NW          | .5                 | .6   | 1.9  | 2.2  | .3    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.7 3.1              |
| NNW         | .5                 | .6   | 2.2  | 2.5  | .4    | .5  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 3.4 3.9              |
| CALM        | 4.6                | 5.3  |      |      |       |     |       |     |       |     |       |    |     |    | 4.6 5.3              |
| TOTAL       | 14.3               | 16.6 | 59.5 | 68.9 | 7.8   | 9.1 | 3.5   | 4.0 | 1.1   | 1.3 | .2    | .2 | .0  | .0 | 86.3 100             |
|             |                    |      |      |      |       |     |       |     |       |     |       |    |     |    | 7.8                  |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 1 / NIGHT

STATION NUMBER: 03870

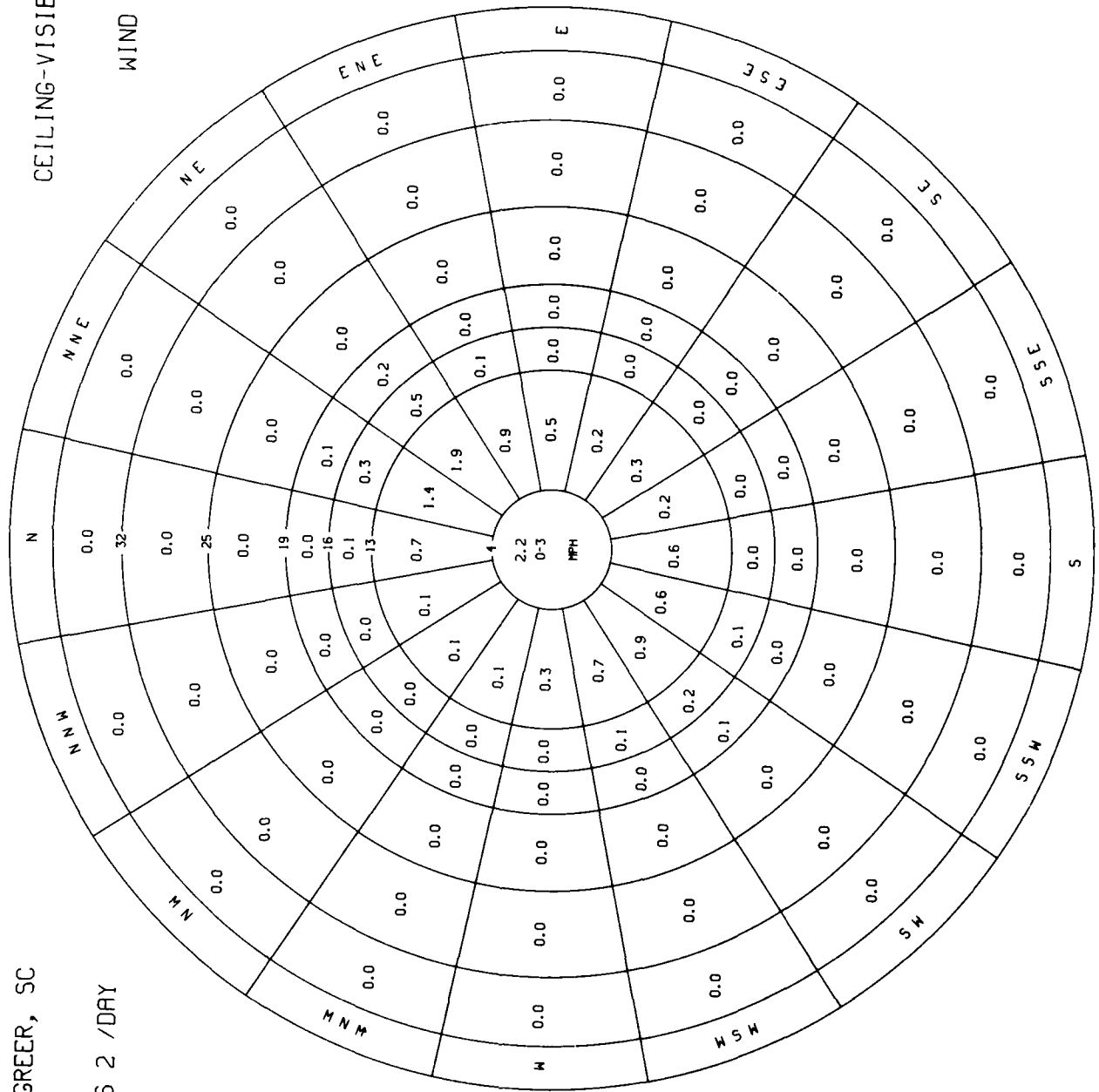
NJ. OBS.: 17918

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | 2.7                | 3.1  | 8.6  | 10.1 | .5    | .6  | .2    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 12.0  | 14.1 | 6.2 |
| NNE         | 1.2                | 1.4  | 8.2  | 9.6  | .2    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 9.7   | 11.3 | 6.5 |
| NE          | .9                 | 1.0  | 5.2  | 6.0  | .3    | .4  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.4   | 7.5  | 6.3 |
| ENE         | .4                 | .4   | 1.6  | 1.9  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.1   | 2.4  | 6.4 |
| E           | .5                 | .6   | 1.0  | 1.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 1.9  | 5.3 |
| ESE         | .4                 | .5   | .5   | .6   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .9    | 1.1  | 4.7 |
| SE          | .5                 | .6   | .6   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.1   | 1.3  | 4.4 |
| SSE         | .5                 | .5   | .8   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   | 1.4  | 4.9 |
| S           | 1.2                | 1.4  | 2.7  | 3.1  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.0   | 4.7  | 5.8 |
| SSW         | .9                 | 1.1  | 2.9  | 3.4  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.9   | 4.6  | 6.1 |
| SW          | 1.1                | 1.3  | 5.5  | 6.4  | .4    | .5  | .2    | .3  | .1    | .1 | .0    | .0 | .0  | .0 | .0                   | 7.3   | 8.6  | 7.3 |
| WSW         | .9                 | 1.1  | 5.1  | 5.9  | .4    | .5  | .1    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.6   | 7.7  | 7.3 |
| W           | .9                 | 1.1  | 3.9  | 4.5  | .1    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.0   | 5.9  | 6.3 |
| WNW         | .6                 | .8   | 1.8  | 2.1  | .0    | .0  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.6   | 3.0  | 5.7 |
| NW          | .8                 | .9   | 2.0  | 2.3  | .1    | .1  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.0   | 3.5  | 6.1 |
| NNW         | 1.0                | 1.2  | 2.6  | 3.1  | .3    | .4  | .1    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | 4.1   | 4.8  | 6.9 |
| CALM        | 13.9               | 16.3 |      |      |       |     |       |     |       |    |       |    |     |    |                      | 13.9  | 16.3 |     |
| TOTAL       | 28.5               | 33.3 | 53.1 | 62.1 | 2.7   | 3.2 | 1.0   | 1.2 | .2    | .3 | .0    | .0 | .0  | .0 | .0                   | 85.6  | 100  | 5.4 |

## CEILING-VISIBILITY

CLASS 2 / DAY

## WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 2 / DAY

STATION NUMBER: 03870

NO. OBS.: 3527

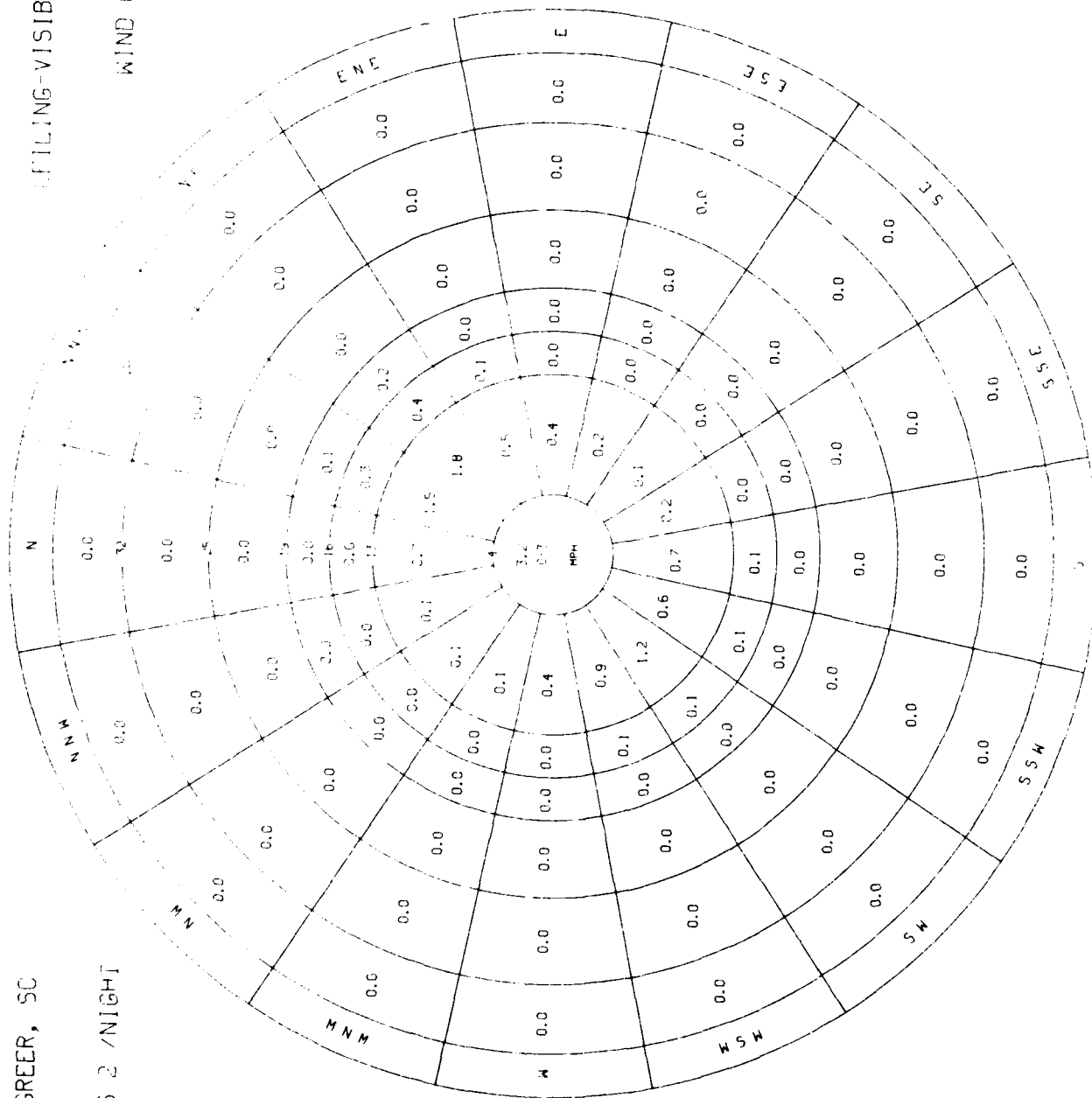
| O<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |   |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|---|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |                      |   |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  | C     |                      | D |
| N           | .2                 | 1.1  | .7   | 4.8  | .1    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .9    | 6.4                  |   |
| NNE         | .1                 | .9   | 1.4  | 10.0 | .3    | 2.0 | .1    | .5  | .0    | .0 | .0    | .0 | .0  | .0 | 1.8   | 13.3                 |   |
| NE          | .1                 | .9   | 1.9  | 13.6 | .5    | 3.4 | .2    | 1.3 | .0    | .0 | .0    | .0 | .0  | .0 | 2.7   | 19.6                 |   |
| ENE         | .1                 | .9   | .9   | 6.8  | .1    | .6  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.1   | 8.4                  |   |
| E           | .1                 | .8   | .5   | 4.0  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .7    | 4.9                  |   |
| ESE         | .1                 | .6   | .2   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3    | 2.2                  |   |
| SE          | .1                 | .6   | .3   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3    | 2.5                  |   |
| SSE         | .1                 | .5   | .2   | 1.4  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3    | 2.0                  |   |
| S           | .1                 | .9   | .6   | 4.7  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .8    | 6.0                  |   |
| SSW         | .1                 | .6   | .6   | 4.3  | .1    | .5  | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | .8    | 5.7                  |   |
| SW          | .1                 | .6   | .9   | 6.9  | .2    | 1.3 | .1    | .5  | .0    | .1 | .0    | .0 | .0  | .0 | 1.3   | 9.4                  |   |
| WSW         | .1                 | .6   | .7   | 5.4  | .1    | .8  | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | 1.0   | 7.0                  |   |
| W           | .1                 | .6   | .3   | 2.6  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .4    | 3.2                  |   |
| WNW         | .0                 | .3   | .1   | .7   | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 1.1                  |   |
| NW          | .0                 | .3   | .1   | .7   | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 1.1                  |   |
| NNW         | .1                 | .5   | .1   | .8   | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 1.4                  |   |
| CALM        | .8                 | 5.9  |      |      |       |     |       |     |       |    |       |    |     |    | .8    | 5.9                  |   |
| TOTAL       | 2.2                | 16.4 | 9.6  | 70.0 | 1.3   | 9.6 | .4    | 3.2 | .1    | .7 | .0    | .1 | .0  | .0 | 13.7  | 100                  |   |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |       | 7.7                  |   |

GSP GREER, SC

CLASS 2 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 2 / NIGHT

STATION NUMBER: 03870

NO. OBS.: 3023

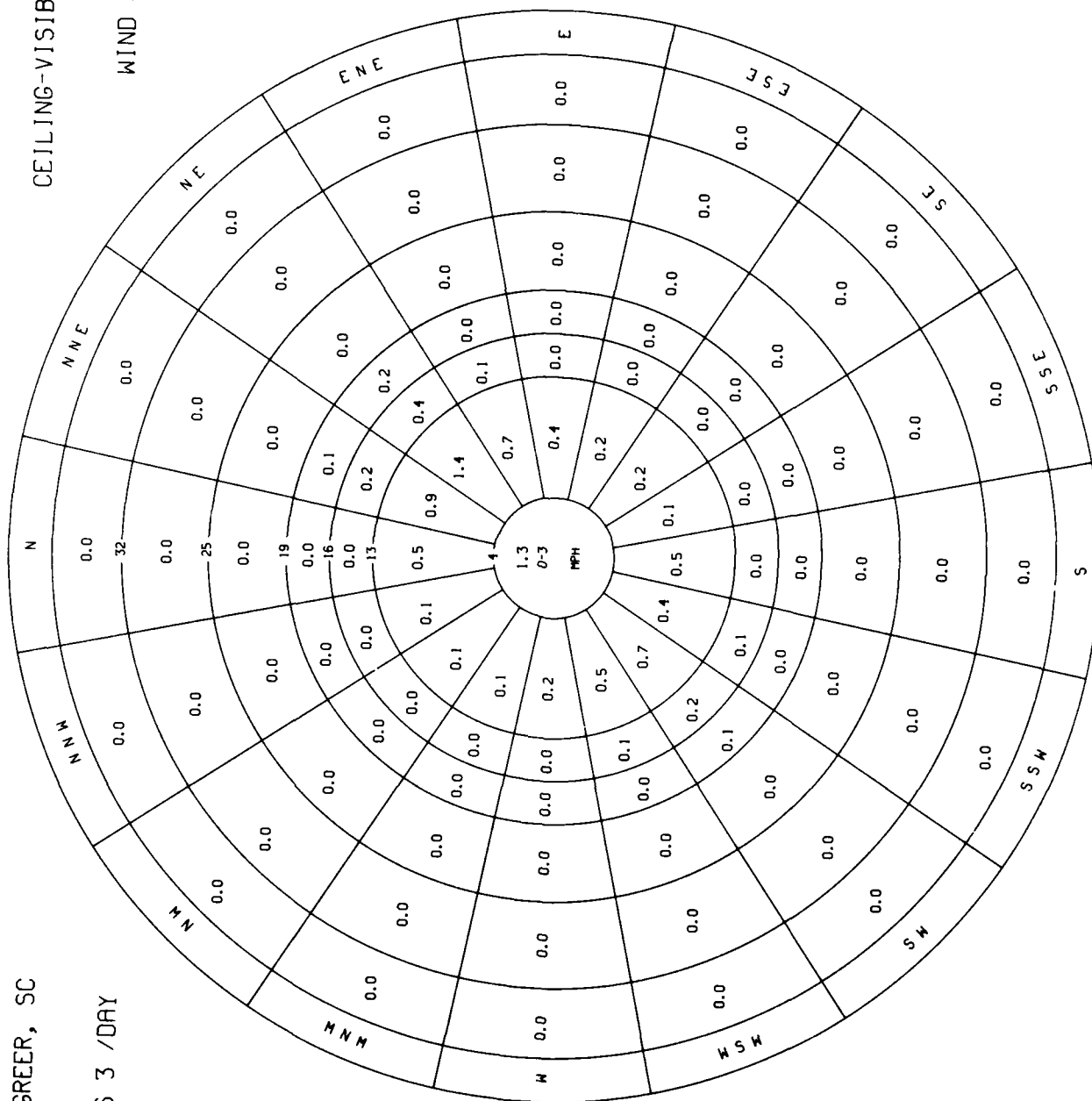
| D<br>I<br>P | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .2                 | 1.7  | .7   | 5.1  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.0 7.1              |
| NNE         | .2                 | 1.2  | 1.5  | 10.1 | .3    | 1.8 | .1    | .6  | .0    | .1 | .0    | .0 | .0  | .0 | 2.0 13.7             |
| NNE         | .2                 | 1.5  | 1.8  | 12.7 | .4    | 2.5 | .2    | 1.1 | .0    | .3 | .0    | .0 | .0  | .0 | 2.6 18.1             |
| NNE         | .1                 | .6   | .5   | 3.5  | .1    | .4  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .7 4.7               |
| E           | .1                 | .7   | .4   | 2.4  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .5 3.2               |
| ESE         | .1                 | .5   | .2   | 1.2  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2 1.7               |
| SE          | .1                 | .5   | .1   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2 1.5               |
| SSE         | .1                 | .6   | .2   | 1.3  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3 2.2               |
| S           | .1                 | .8   | .7   | 4.9  | .1    | .5  | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | 1.0 6.6              |
| SSW         | .1                 | .6   | .6   | 4.2  | .1    | .5  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .8 5.5               |
| SW          | .2                 | 1.2  | 1.2  | 9.1  | .1    | .9  | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | 1.5 10.7             |
| WSW         | .1                 | .6   | .9   | 6.0  | .1    | .8  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | 1.1 7.6              |
| W           | .1                 | .8   | .4   | 2.9  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .5 3.8               |
| WNW         | .1                 | .4   | .1   | 1.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2 1.4               |
| NW          | .1                 | .4   | .1   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 .9                |
| NNW         | .1                 | .4   | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 1.0               |
| CALM        | 1.5                | 10.3 |      |      |       |     |       |     |       |    |       |    |     |    | 1.5 10.3             |
| TOTAL       | 2.2                | 22.5 | 9.4  | 65.4 | 1.2   | 8.3 | .4    | 3.1 | .1    | .6 | .0    | .1 | .0  | .0 | 14.4 100             |

GSP GREER, SC

CLASS 3 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 3 / DAY

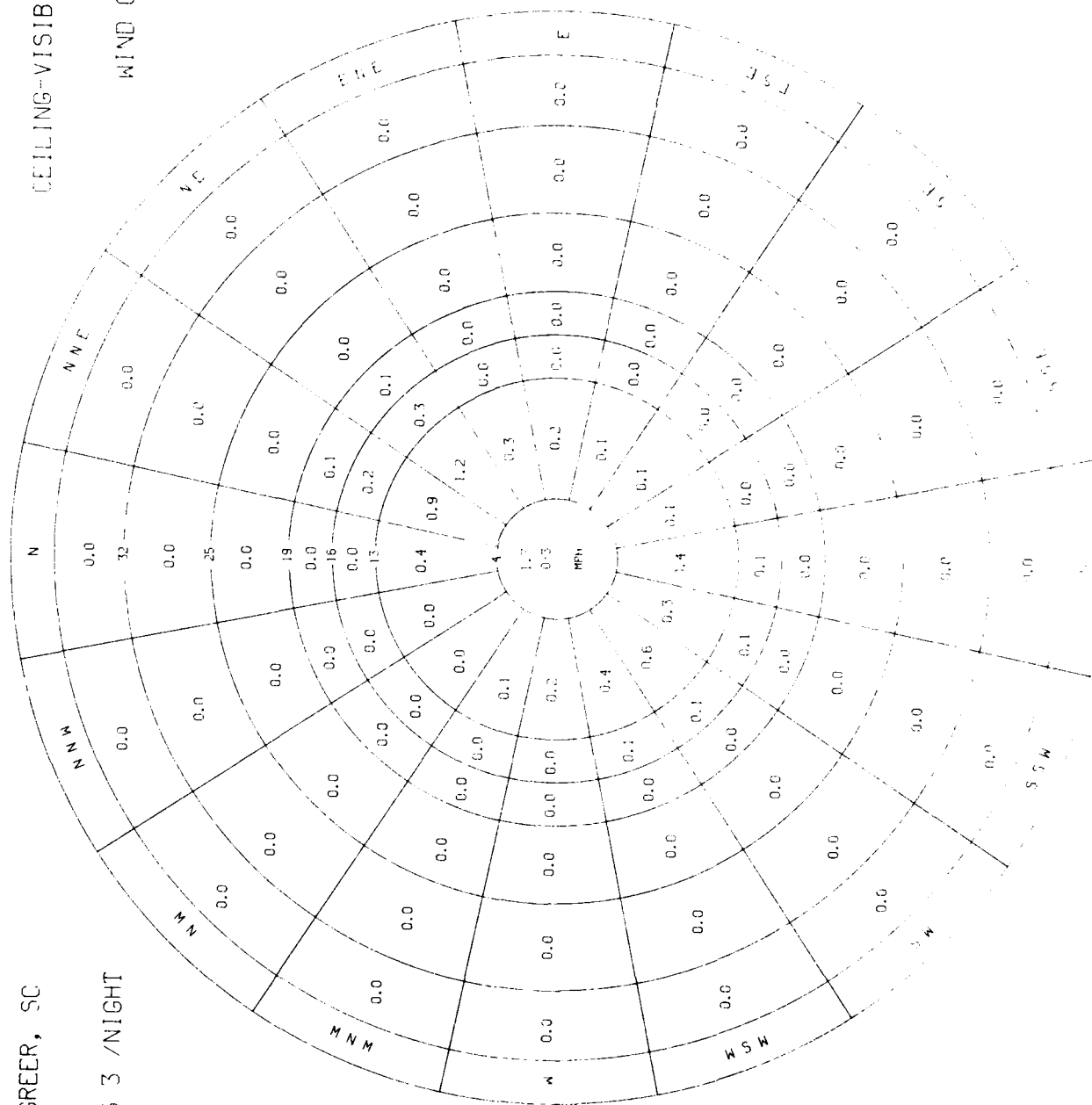
STATION NUMBER: 03870

NO. OBS.: 2538

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |    |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B  | A     | B  | A   | B  | C     | D    |                      |
| N           | .1                 | .8   | .5   | 4.8  | .0    | .4   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .6    | 6.0  | 7.1                  |
| NNE         | .1                 | .8   | .9   | 9.7  | .2    | 2.4  | .1    | .7  | .0    | .0 | .0    | .0 | .0  | .0 | 1.3   | 13.6 | 9.5                  |
| NE          | .1                 | .9   | 1.4  | 13.9 | .4    | 4.2  | .2    | 1.7 | .0    | .4 | .0    | .0 | .0  | .0 | 2.1   | 21.2 | 10.2                 |
| ENE         | .1                 | .6   | .7   | 6.9  | .1    | .7   | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .8    | 8.4  | 8.4                  |
| E           | .1                 | .6   | .4   | 4.4  | .0    | .2   | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .5    | 5.2  | 6.9                  |
| ESE         | .1                 | .6   | .2   | 1.5  | .0    | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 2.2  | 5.6                  |
| SE          | .1                 | .5   | .2   | 1.9  | .0    | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 2.4  | 5.8                  |
| SSE         | .1                 | .6   | .1   | 1.1  | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 1.7  | 5.9                  |
| S           | .1                 | .7   | .5   | 4.7  | .0    | .3   | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .6    | 5.9  | 7.5                  |
| SSW         | .0                 | .4   | .4   | 4.0  | .1    | .7   | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | .5    | 5.4  | 9.2                  |
| SW          | .0                 | .4   | .7   | 6.9  | .2    | 1.8  | .1    | .5  | .0    | .2 | .0    | .0 | .0  | .0 | .9    | 9.7  | 9.9                  |
| WSW         | .1                 | .5   | .5   | 5.4  | .1    | .9   | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | .7    | 7.2  | 9.0                  |
| W           | .0                 | .4   | .2   | 2.5  | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3    | 3.1  | 7.0                  |
| WNW         | .0                 | .2   | .1   | .7   | .0    | .0   | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 1.0  | 6.5                  |
| NW          | .0                 | .2   | .1   | .7   | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | .9   | 6.5                  |
| NNW         | .0                 | .2   | .1   | .8   | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 1.1  | 6.9                  |
| CALM        | .5                 | 5.0  |      |      |       |      |       |     |       |    |       |    |     |    | .5    | 5.0  |                      |
| TOTAL       | 1.3                | 13.4 | 6.9  | 69.8 | 1.2   | 11.9 | .4    | 4.1 | .1    | .8 | .0    | .1 | .0  | .0 | 9.8   | 100  | 8.3                  |

# CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 3 / NIGHT

STATION NUMBER: 03870

NO. OBS.: 1802

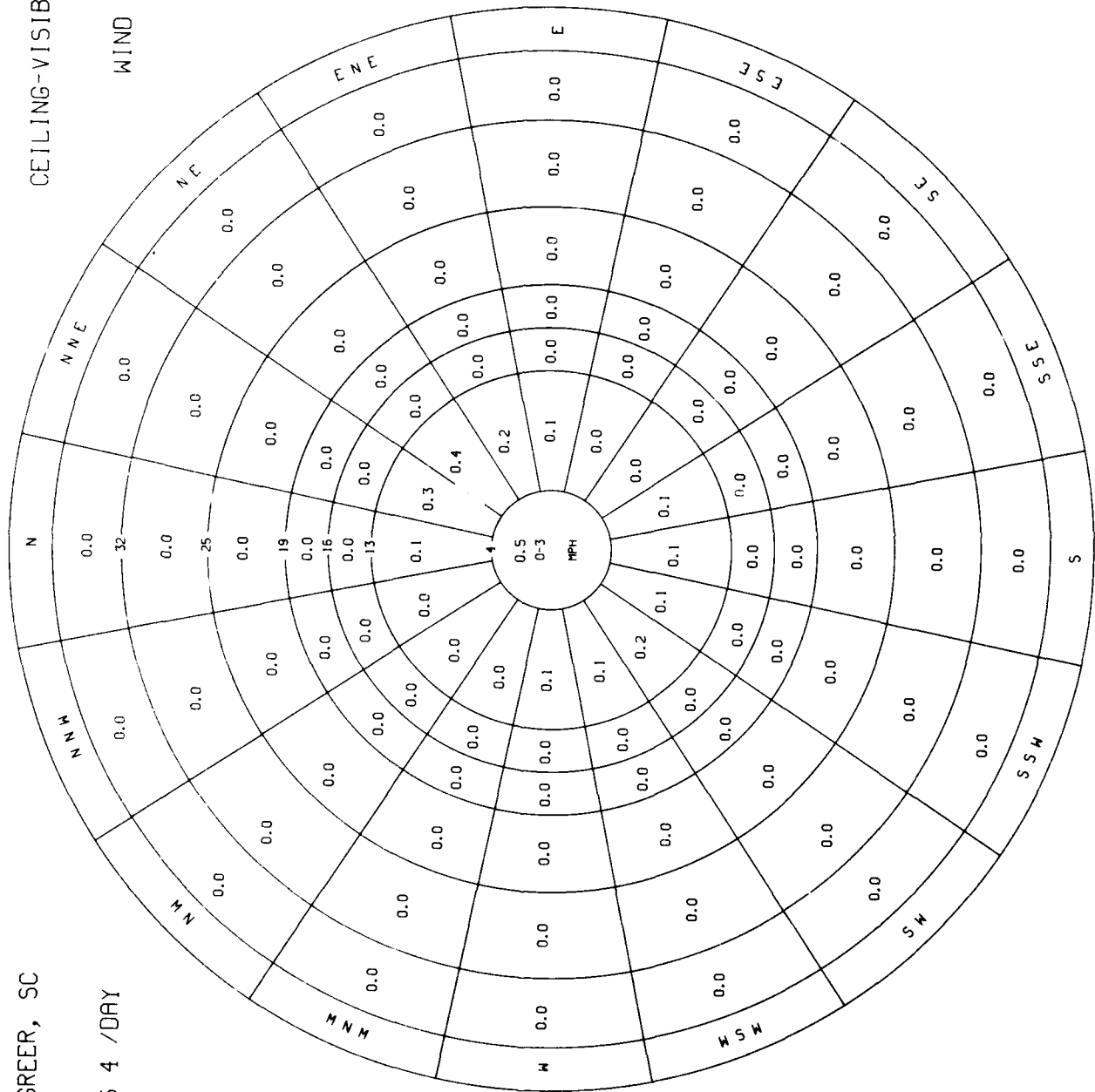
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .1                 | 1.6  | .4   | 4.9  | .0    | .5   | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .6 7.2               |
| NNE         | .1                 | 1.2  | .9   | 10.4 | .2    | 2.4  | .1    | .9  | .0    | .1 | .0    | .0 | .0  | .0 | 1.3 15.0             |
| NNE         | .1                 | 1.4  | 1.2  | 13.4 | .3    | 3.6  | .1    | 1.6 | .0    | .3 | .0    | .1 | .0  | .1 | 1.8 20.4             |
| NNE         | .0                 | .6   | .3   | 3.7  | .0    | .5   | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | .4 5.0               |
| E           | .1                 | .8   | .2   | 2.6  | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3 3.4               |
| ESE         | .0                 | .4   | .1   | .9   | .0    | .2   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 1.6               |
| SE          | .0                 | .5   | .1   | .8   | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 1.4               |
| SSE         | .1                 | .6   | .1   | 1.2  | .0    | .3   | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2 2.1               |
| S           | .1                 | .7   | .4   | 5.1  | .1    | .3   | .0    | .2  | .0    | .1 | .0    | .1 | .0  | .0 | .6 7.2               |
| SSW         | .1                 | .6   | .3   | 3.0  | .1    | .3   | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | .5 5.8               |
| SW          | .1                 | 1.0  | .6   | 7.3  | .1    | 1.3  | .0    | .5  | .0    | .2 | .0    | .0 | .0  | .0 | .9 10.3              |
| WSW         | .0                 | .6   | .4   | 4.9  | .1    | .3   | .0    | .2  | .0    | .0 | .0    | .1 | .0  | .0 | .6 6.7               |
| W           | .1                 | .7   | .2   | 2.2  | .0    | .1   | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .3 3.1               |
| WNW         | .0                 | .2   | .1   | .8   | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 .9                |
| NW          | .0                 | .3   | .0   | .4   | .0    | .0   | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .1 .8                |
| NNW         | .0                 | .2   | .0   | .4   | .0    | .1   | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 .7                |
| CALM        | .7                 | 8.5  |      |      |       |      |       |     |       |    |       |    |     |    | .7 8.5               |
| TOTAL       | 1.7                | 19.9 | 6.4  | 62.7 | 1.0   | 11.9 | 1.1   | 4.6 | 1.1   | .9 | .0    | .2 | .0  | .1 | 8.6 100              |

GSP GREER, SC

CLASS 4 /DAY

CEILING-VISIBILITY

WIND GRAPH





## ANNUAL

PERIOD: 1963-1978

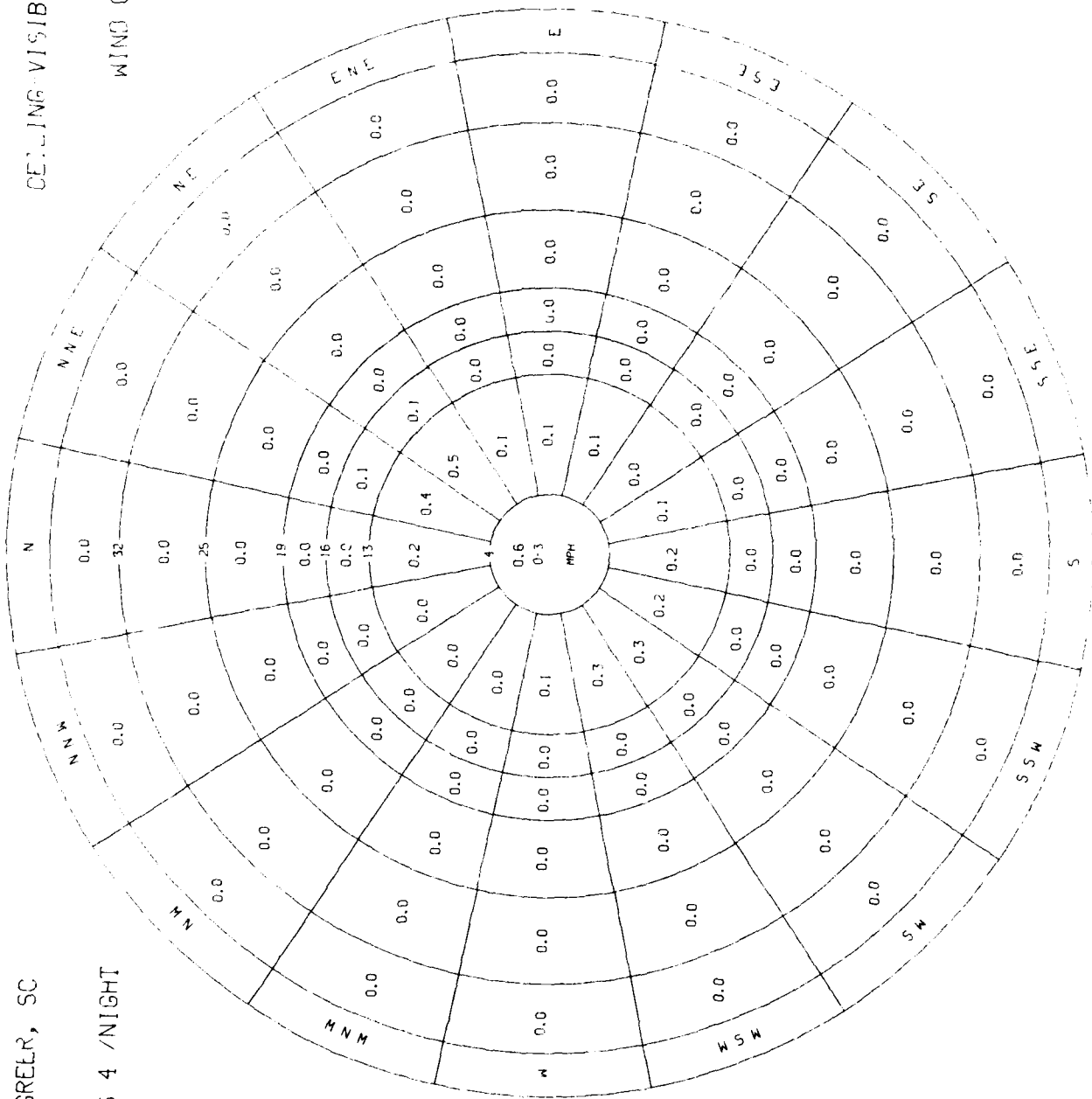
CLASS 4 / DAY

NO. OBS.: 674

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .0                 | 1.3  | .1   | 4.2  | .0    | .6  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 6.2  | 7.4 |
| NNE         | .0                 | .9   | .3   | 12.9 | .0    | 1.0 | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 14.8 | 8.4 |
| NE          | .0                 | 1.0  | .4   | 15.0 | .0    | 1.6 | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .5    | 18.1 | 8.7 |
| ENE         | .0                 | 1.6  | .2   | 7.7  | .0    | .6  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 9.9  | 7.3 |
| E           | .0                 | 1.5  | .1   | 3.3  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 4.9  | 5.9 |
| ESE         | .0                 | .4   | .0   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.1  | 5.9 |
| SE          | .0                 | .7   | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.5  | 5.4 |
| SSE         | .0                 | .4   | .1   | 1.9  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.5  | 6.9 |
| S           | .0                 | .9   | .1   | 5.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 6.1  | 5.7 |
| SSW         | .0                 | .7   | .1   | 4.7  | .0    | .1  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .2    | 5.8  | 7.1 |
| SW          | .0                 | .7   | .2   | 7.3  | .0    | .3  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 8.6  | 7.6 |
| WSW         | .0                 | .3   | .1   | 4.9  | .0    | .6  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 5.8  | 7.7 |
| W           | .0                 | .4   | .1   | 2.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 2.8  | 6.4 |
| WNW         | .0                 | .3   | .0   | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .7   | 7.6 |
| NW          | .0                 | .7   | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.6  | 5.2 |
| NNW         | .0                 | 1.2  | .0   | .6   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.8  | 4.2 |
| CALM        | .1                 | 5.6  |      |      |       |     |       |     |       |    |       |    |     |    |                      | .1    | 5.6  |     |
| TOTAL       | .5                 | 19.0 | 1.9  | 74.6 | .1    | 5.2 | .0    | 1.0 | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .2    | 5.6  | 7.0 |

GSP GRELR, SC  
 CLASS 4 /NIGHT

CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSE GREER, SC

PERIOD: 1963-1978

CLASS 4 / NIGHT

STATION NUMBER: 03870

NO. OBS.: 723

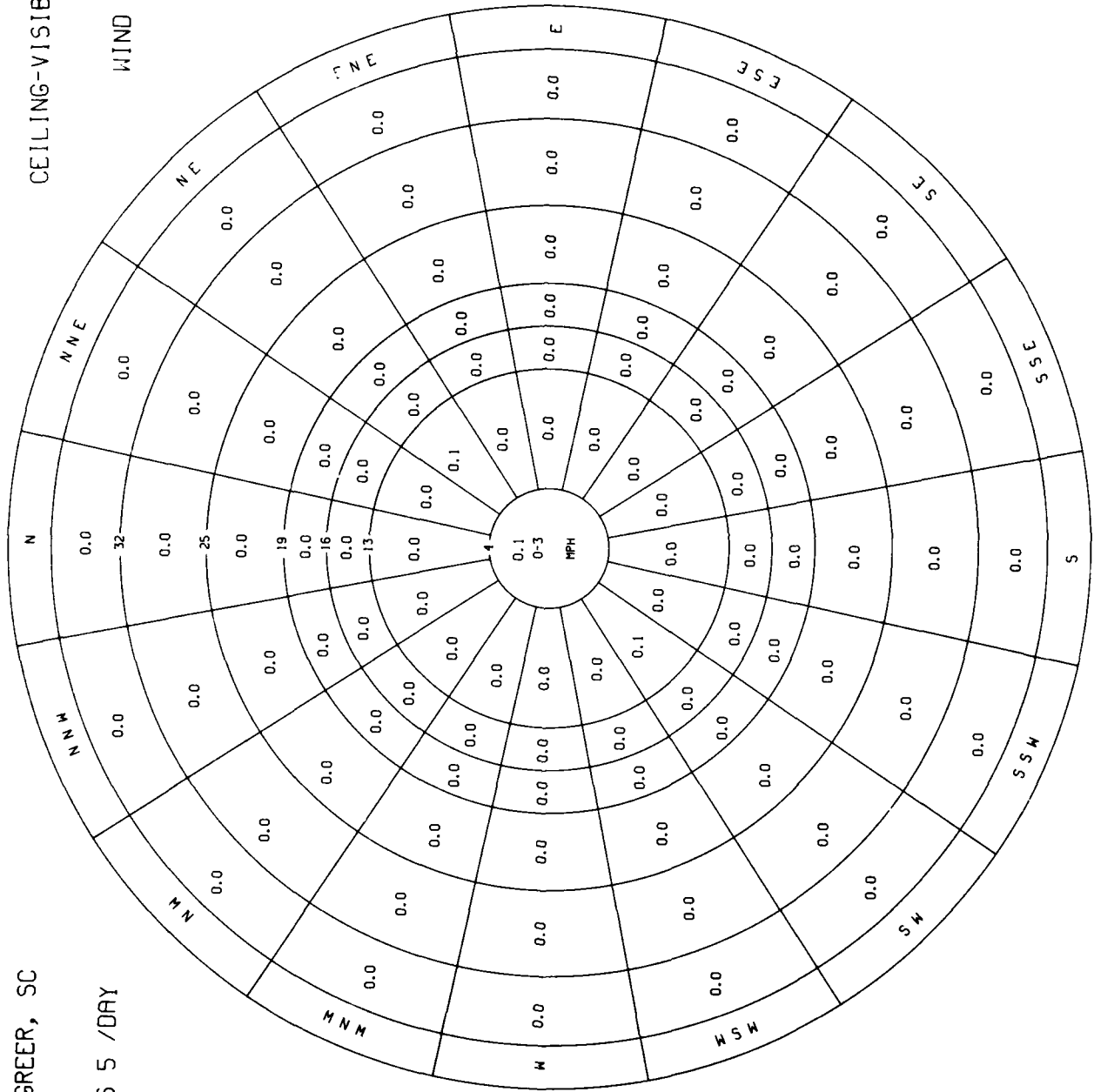
| D<br>I<br>P | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | .8   | .2   | 5.9  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2 6.9               |
| NNE         | .0                 | 1.0  | .4   | 11.8 | .1    | 1.5 | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .5 14.2              |
| NE          | .0                 | 1.4  | .5   | 15.1 | .1    | 1.5 | .0    | .6  | .0    | .1 | .0    | .0 | .0  | .0 | .6 18.1              |
| ENE         | .0                 | .3   | .1   | 4.1  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2 4.9               |
| E           | .0                 | .8   | .1   | 3.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.9               |
| ESE         | .0                 | .6   | .1   | 2.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 2.6               |
| SE          | .0                 | .3   | .0   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.4               |
| SSE         | .0                 | .3   | .1   | 1.7  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 2.2               |
| S           | .0                 | .8   | .2   | 4.4  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2 5.9               |
| SSW         | .0                 | .6   | .2   | 4.6  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2 5.3               |
| SW          | .0                 | 1.1  | .3   | 8.9  | .0    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .4 10.5              |
| WSW         | .0                 | .1   | .3   | 7.5  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3 9.3               |
| W           | .0                 | .1   | .1   | 3.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.9               |
| WNW         | .0                 | .3   | .0   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.4               |
| NW          | .0                 | .3   | .0   | .6   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| NNW         | .0                 | .1   | .0   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| CALM        | .3                 | 8.6  |      |      |       |     |       |     |       |    |       |    |     |    | .3 8.6               |
| TOTAL       | .6                 | 17.4 | 2.6  | 76.2 | .1    | 5.1 | .0    | 1.1 | .0    | .1 | .0    | .0 | .0  | .0 | 5.1 17.4             |

GSP GREER, SC

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 5 / DAY

STATION NUMBER: 03870

NO. OBS.: 161

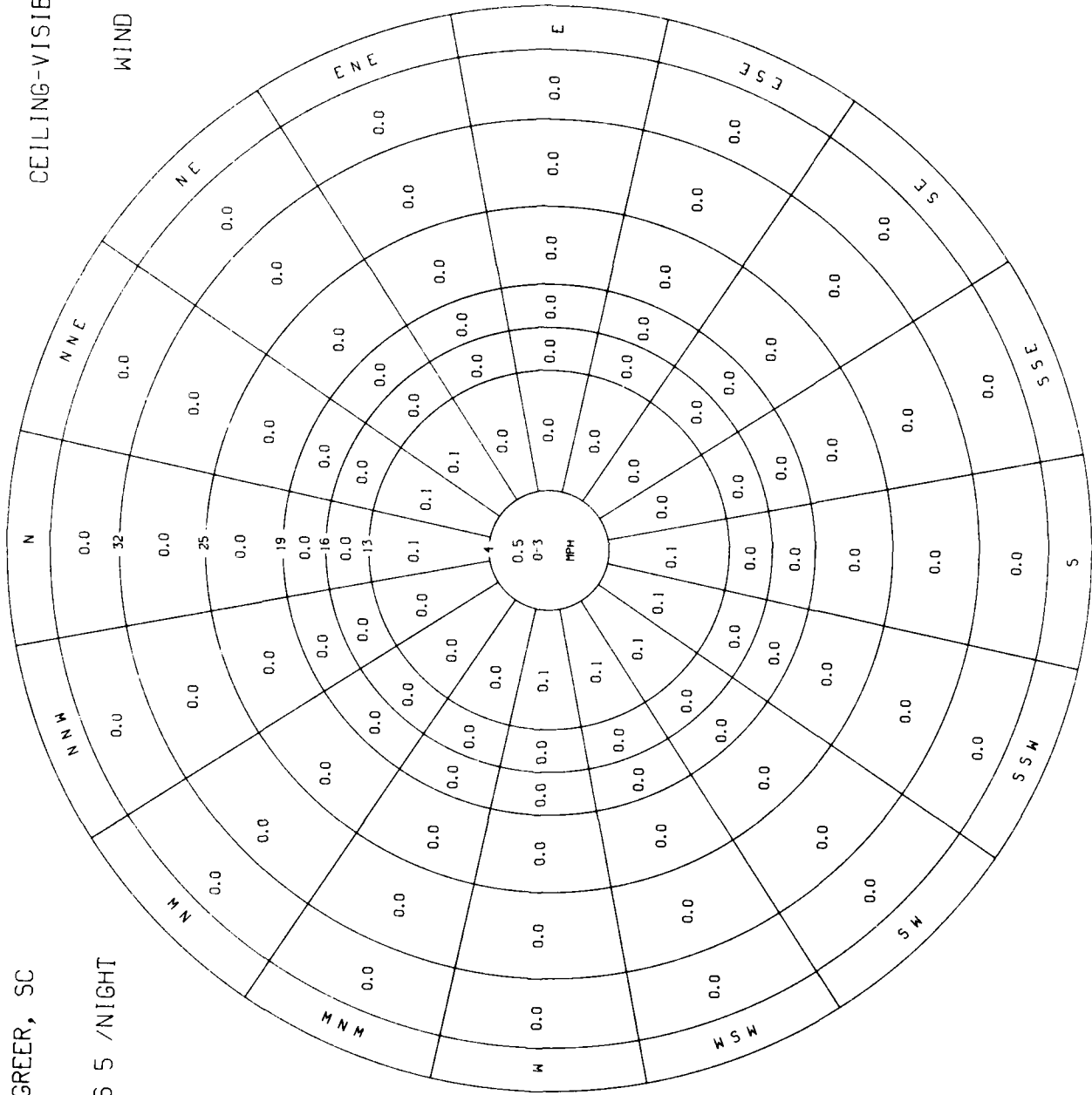
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .6   | .0   | 6.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 7.5                  |
| NNE         | .0                 | 1.2  | .0   | 6.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 8.1                  |
| NE          | .0                 | .6   | .1   | 10.6 | .0    | .6  | .0    | .6  | .0    | .6  | .0    | .0 | .0  | .0 | 13.0                 |
| ENE         | .0                 | .6   | .0   | 5.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 6.2                  |
| E           | .0                 | .6   | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.7                  |
| ESE         | .0                 | .6   | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.9                  |
| SE          | .0                 | 1.2  | .0   | 3.7  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 5.0                  |
| SSE         | .0                 | .0   | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.1                  |
| S           | .0                 | .6   | .0   | 5.0  | .0    | .6  | .0    | .0  | .0    | .6  | .0    | .0 | .0  | .0 | 6.8                  |
| SSW         | .0                 | 2.5  | .0   | 5.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 7.5                  |
| SW          | .0                 | 1.2  | .1   | 8.1  | .0    | .0  | .0    | .6  | .0    | .6  | .0    | .0 | .0  | .0 | 10.6                 |
| WSW         | .0                 | .0   | .0   | 7.5  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 7.5                  |
| W           | .0                 | .6   | .0   | 1.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.5                  |
| WNW         | .0                 | .6   | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.9                  |
| NW          | .0                 | .6   | .0   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.2                  |
| NNW         | .0                 | 1.9  | .0   | 1.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.7                  |
| CALM        | .1                 | 9.9  |      |      |       |     |       |     |       |     |       |    |     | .1 | 9.9                  |
| TOTAL       | .1                 | 23.6 | .4   | 72.0 | .0    | 1.2 | .0    | 1.2 | .0    | 1.9 | .0    | .0 | .0  | .0 | 6.1                  |

GSP GREER, SC

CLASS 5 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 5 / NIGHT

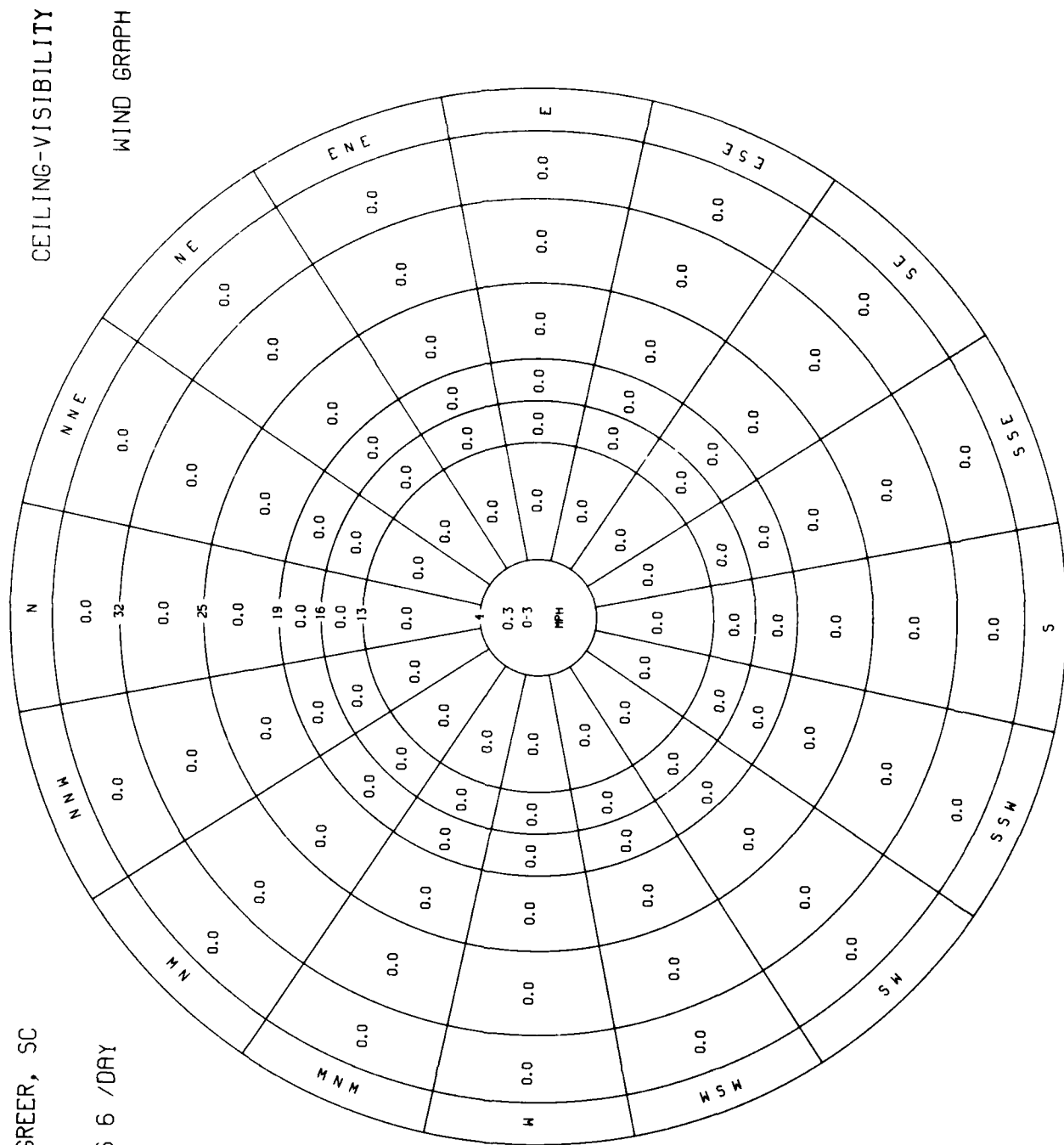
STATION NUMBER: 03870

NO. OBS.: 307

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.6  | .1   | 5.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 7.8               |
| NNE         | .0                 | 2.0  | .1   | 7.5  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .1 9.8               |
| NE          | .0                 | 2.3  | .1   | 8.8  | .0    | .0  | .0    | .0  | .0    | .3 | .0    | .0 | .0  | .0 | .2 11.4              |
| ENE         | .0                 | 1.6  | .0   | 1.6  | .0    | .3  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .1 3.9               |
| E           | .0                 | .3   | .0   | 1.3  | .0    | .0  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| ESE         | .0                 | .7   | .0   | .3   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| SE          | .0                 | .7   | .0   | 1.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| SSE         | .0                 | 1.3  | .0   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.9               |
| S           | .0                 | 1.3  | .1   | 5.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.8               |
| SSW         | .0                 | .3   | .1   | 4.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.6               |
| SW          | .0                 | 2.0  | .1   | 9.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2 11.1              |
| WSW         | .0                 | .7   | .1   | 9.1  | .0    | 1.0 | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | .2 11.1              |
| W           | .0                 | 1.0  | .1   | 4.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.2               |
| WNW         | .0                 | .7   | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.9               |
| NW          | .0                 | .3   | .0   | .3   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 .7                |
| NNW         | .0                 | 1.3  | .0   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| CALM        | .2                 | 15.3 |      |      |       |     |       |     |       |    |       |    |     |    | .2 15.3              |
| TOTAL       | .5                 | 34.2 | .9   | 62.9 | .0    | 1.3 | .0    | 1.3 | .0    | .3 | .0    | .0 | .0  | .0 | 1.5 100              |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 5.2                  |

GSP GREER, SC

CLASS 6 /DAY





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: GSP GREER, SC

PERIOD: 1963-1978

CLASS 6 / DAY

STATION NUMBER: 03870

NO. OBS.: 154

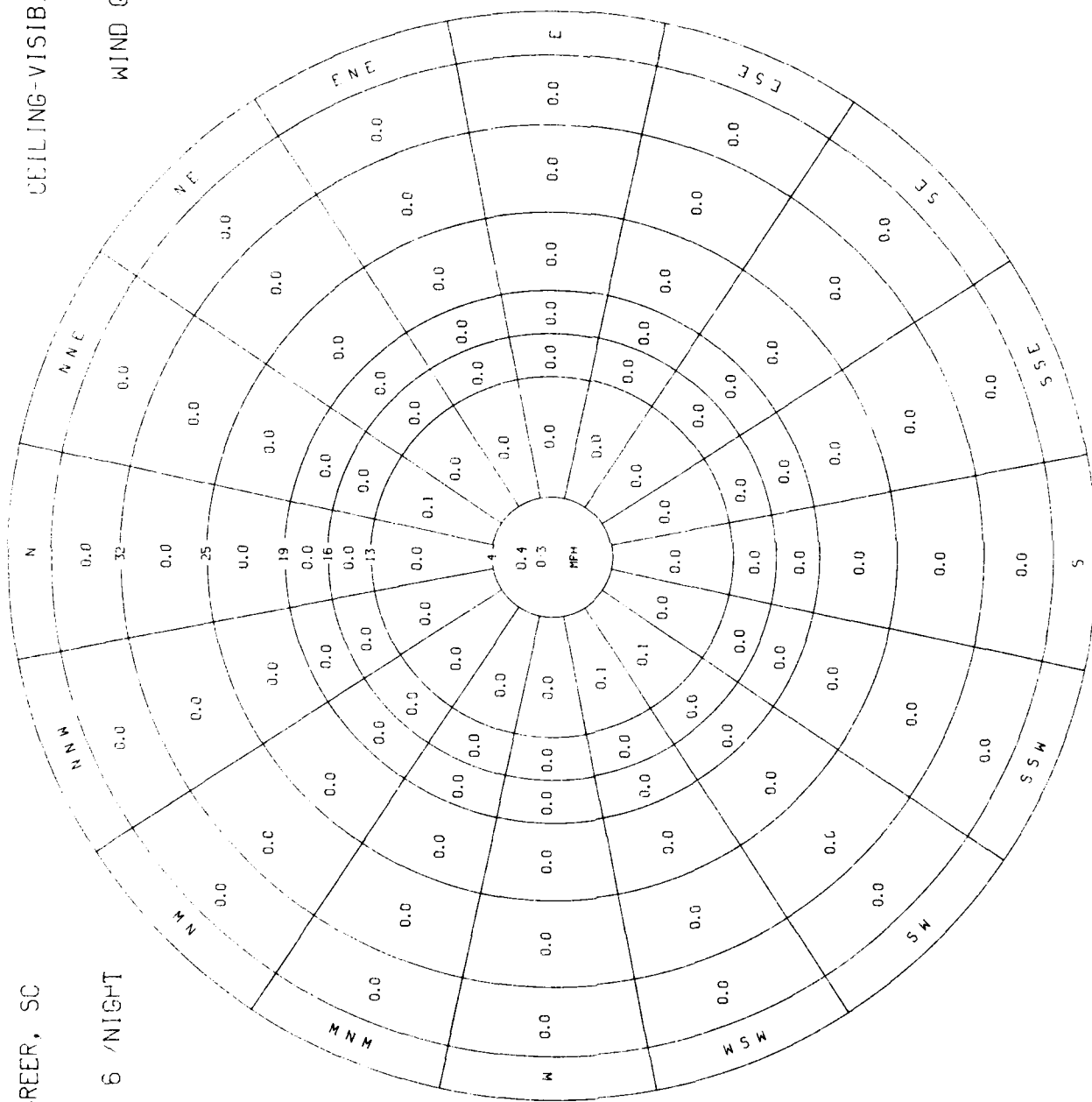
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  | C     | D    |                      |
| N           | .0                 | 6.5  | .0   | 5.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 11.7 | 4.6                  |
| NNE         | .0                 | 1.3  | .0   | 5.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 6.5  | 5.7                  |
| NE          | .0                 | 1.3  | .0   | 5.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 6.5  | 6.7                  |
| ENE         | .0                 | 1.9  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.9  | 5.8                  |
| E           | .0                 | .6   | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.3  | 4.0                  |
| ESE         | .0                 | .0   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.9  | 5.7                  |
| SE          | .0                 | .0   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.9  | 7.0                  |
| SSE         | .0                 | .6   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.6  | 4.5                  |
| S           | .0                 | 2.6  | .0   | 2.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.2  | 4.7                  |
| SSW         | .0                 | 2.6  | .0   | 6.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 9.1  | 5.9                  |
| SW          | .0                 | 2.6  | .0   | 4.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 7.1  | 5.3                  |
| WSW         | .0                 | 3.2  | .0   | 5.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 8.4  | 5.6                  |
| W           | .0                 | 3.2  | .0   | 5.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1    | 8.4  | 4.9                  |
| WNW         | .0                 | 1.3  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.2  | 4.6                  |
| NW          | .0                 | 1.3  | .0   | .6   | .0    | .6 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.6  | 6.3                  |
| NNW         | .0                 | .6   | .0   | .6   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.3  | 4.5                  |
| CALM        | .1                 | 18.2 |      |      |       |    |       |    |       |    |       |    |     |    | .1    | 18.2 |                      |
| TOTAL       | .3                 | 48.1 | .3   | 51.3 | .0    | .6 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .6    | 100  | 4.4                  |

GSP GREER, SC

CLASS 6 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: NEW GREEN

PERIOD: 1963-1978

CLASS 6 / NIGHT

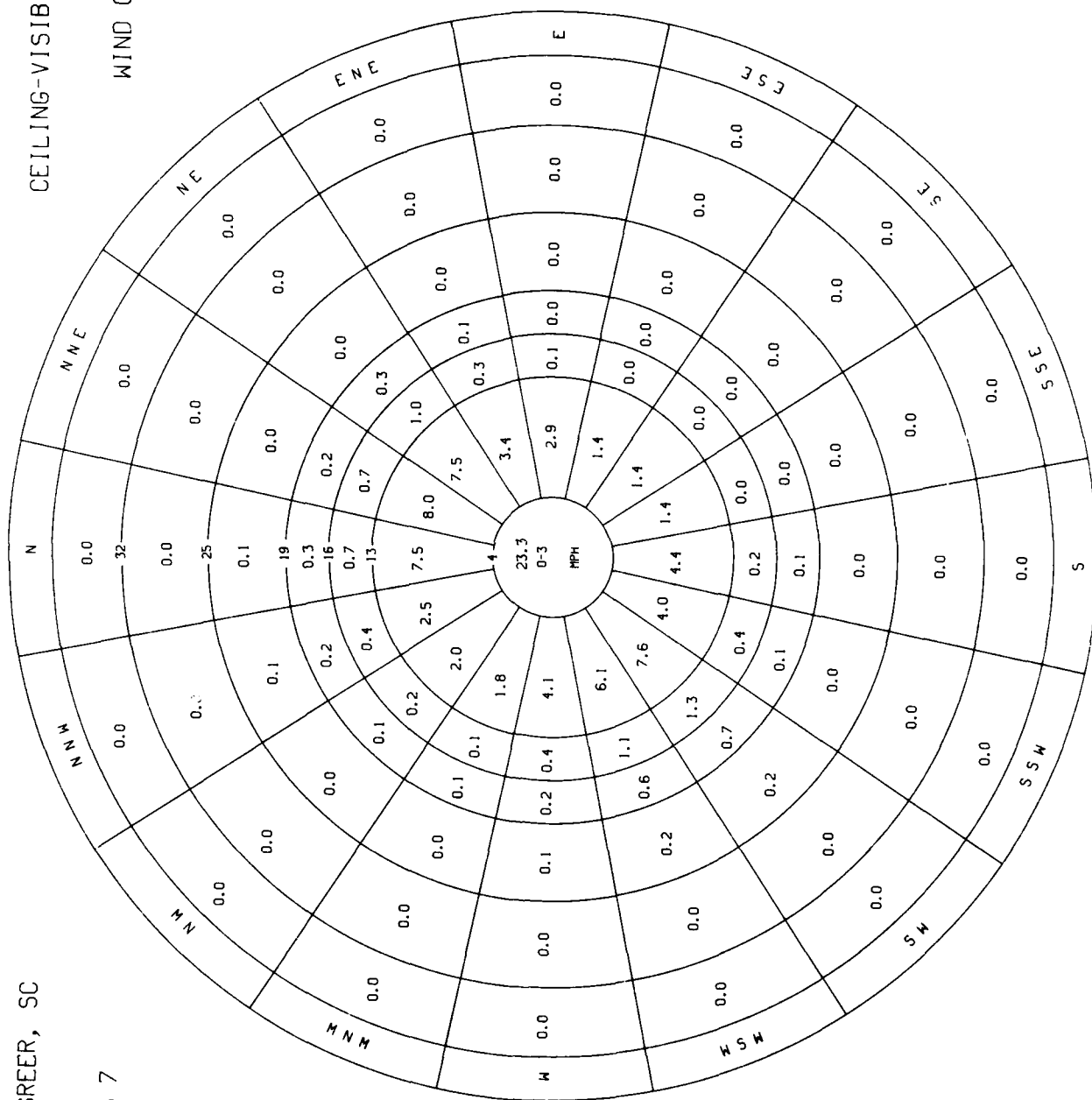
STATION NUMBER: 111

NO. OBS.: 191

| D     | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       |     | AVG<br>WIND<br>SPEED |
|-------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|-----|----------------------|
|       | 0-3                |      | 4-12 |      | 13-15 |    | 16-19 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |     |                      |
|       | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  | C     | D   |                      |
| N     | .0                 | 2.7  | .0   | 2.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 6.2 | 4.0                  |
| NNE   | .0                 | 5    | .0   | 5.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 6.2 | 6.3                  |
| NNE   | .0                 | 2.1  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.2 | 5.0                  |
| ENE   | .0                 | .0   | .0   | 2.6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.6 | 3.2                  |
| E     | .0                 | .0   | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.0 | 5.5                  |
| ESE   | .0                 | .0   | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 4.8                  |
| SE    | .0                 | 1.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.1 | 4.1                  |
| SSE   | .0                 | .5   | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.6 | 4.3                  |
| S     | .0                 | 1.0  | .0   | 4.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 5.2                  |
| SSW   | .0                 | .5   | .0   | 4.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 6.0                  |
| SW    | .0                 | 2.1  | .0   | 11.5 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.6 | 6.3                  |
| WSW   | .0                 | 2.1  | .0   | 6.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.6 | 6.3                  |
| W     | .0                 | 4.2  | .0   | 3.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.6 | 4.9                  |
| WNW   | .0                 | 1.6  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 4.8                  |
| NW    | .0                 | 1.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 3.3                  |
| NNW   | .0                 | 1.6  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 4.2                  |
| CALM  | 2                  | 25.1 |      |      |       |    |       |    |       |    |       |    |     |    |       |     |                      |
| TOTAL | 5                  | 47.1 | 5    | 52.9 | 5     | 5  | 5     | 5  | 5     | 5  | 5     | 5  | 5   | 5  | 5     | 10  | 4                    |

CEILING-VISIBILITY

### WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, IN

PERIOD: 1948-1978

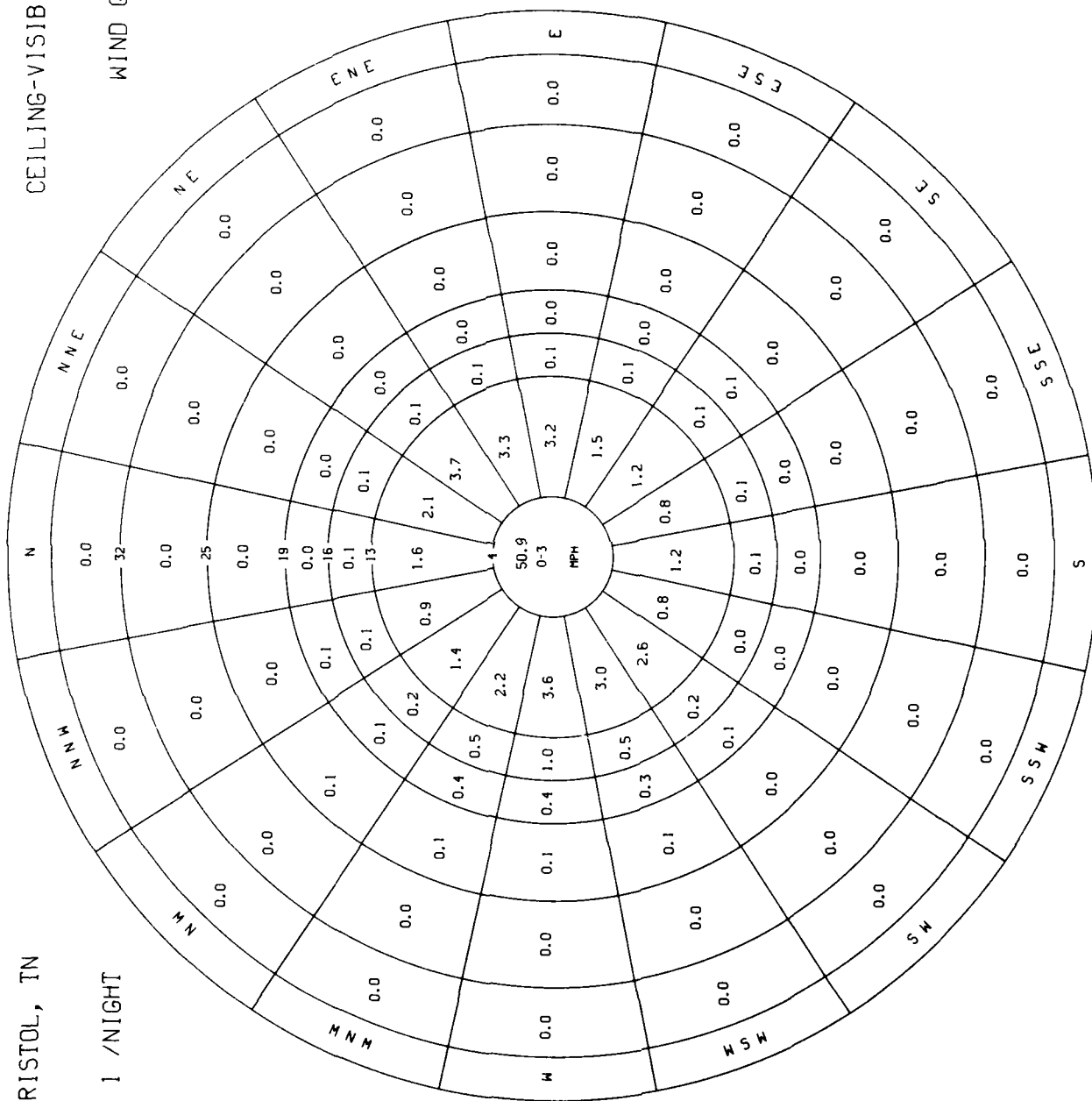
CLASS 1 / DAY

STATION NUMBER: 13377

NO. OBS.: 34746

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .7                 | .8   | 2.4  | 2.7  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.4 3.8              |
| NNE         | .8                 | .8   | 2.3  | 2.6  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.3 3.7              |
| NE          | 1.6                | 1.8  | 3.0  | 3.4  | .2    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.9 5.4              |
| ENE         | 1.7                | 1.9  | 3.1  | 3.4  | .1    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 5.0 5.5              |
| E           | 2.2                | 2.4  | 4.3  | 4.8  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 6.6 7.4              |
| ESE         | 1.2                | 1.3  | 2.2  | 2.5  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 5.8                  |
| SE          | .0                 | 1.1  | 1.8  | 2.0  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 6.3                  |
| SSE         | .6                 | .7   | 1.2  | 1.3  | .1    | .1  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 6.6                  |
| S           | .9                 | 1.0  | 2.1  | 2.3  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 6.8                  |
| SSW         | .7                 | .8   | 2.0  | 2.2  | .1    | .1  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 6.6                  |
| SW          | 1.2                | 1.3  | 4.7  | 5.3  | .7    | .8  | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 8.1                  |
| WSW         | .9                 | 1.0  | 5.5  | 6.1  | 1.4   | 1.6 | .9    | 1.0 | .3    | .4  | .1    | .1 | .0  | .0 | 10.1                 |
| W           | 1.1                | 1.2  | 7.0  | 7.8  | 1.6   | 1.8 | 1.0   | 1.1 | .4    | .4  | .1    | .1 | .0  | .0 | 9.8                  |
| WNW         | .8                 | .9   | 4.4  | 5.0  | .8    | .9  | .6    | .6  | .3    | .3  | .0    | .0 | .0  | .0 | 9.4                  |
| NW          | .7                 | .7   | 2.8  | 3.1  | .4    | .4  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 8.1                  |
| NNW         | .5                 | .5   | 1.6  | 1.8  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 7.5                  |
| CALM        | 10.9               | 12.1 |      |      |       |     |       |     |       |     |       |    |     |    | 10.9 12.1            |
| TOTAL       | 27.4               | 30.5 | 50.4 | 56.2 | 6.2   | 7.6 | 3.6   | 4.0 | 1.3   | 1.4 | .2    | .3 | .0  | .0 | 89.8 100             |

TRI BRISTOL, IN  
CLASS 1 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 13877

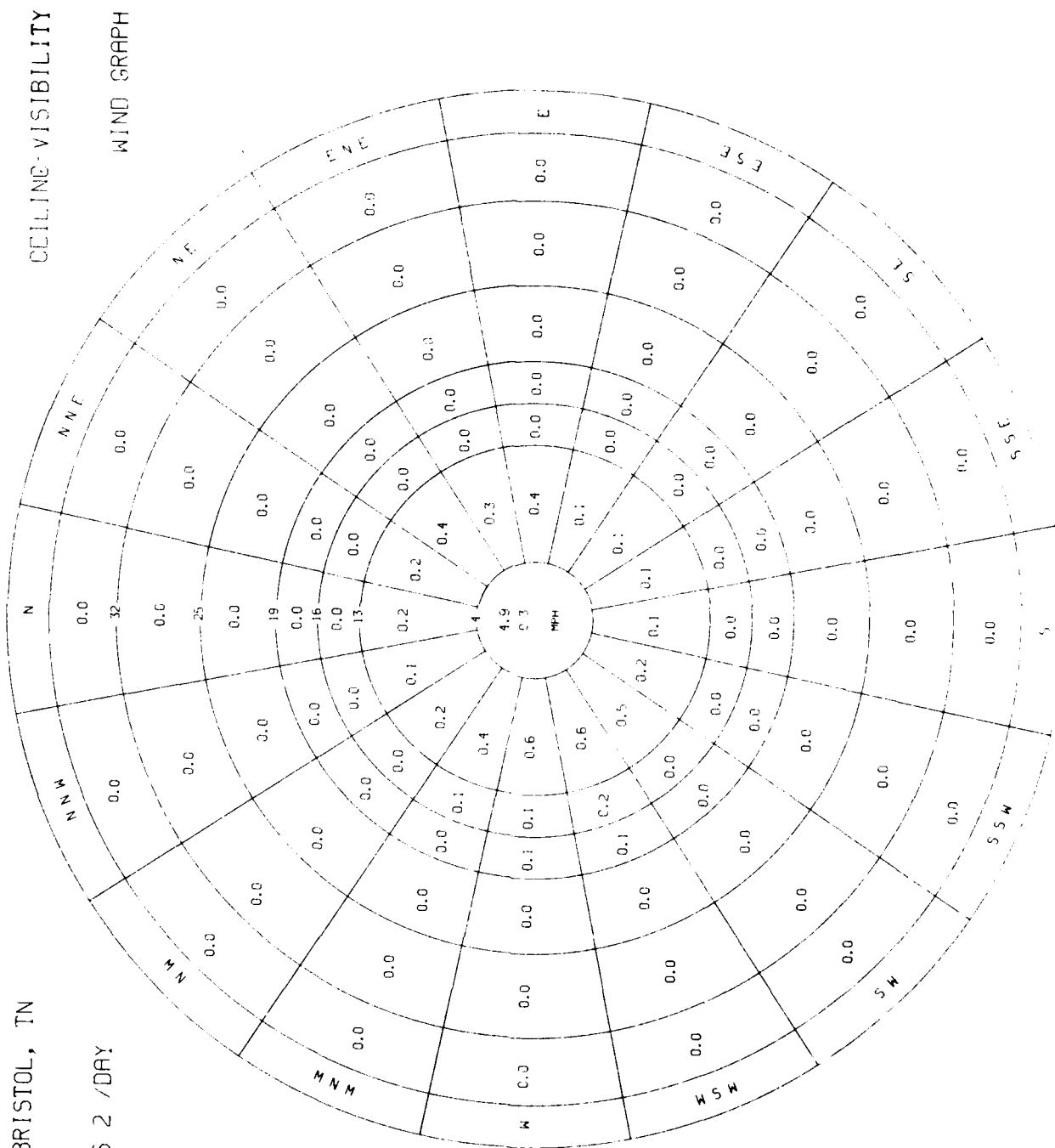
NO. OBS.: 28221

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 1.6  | 1.7  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.5   | 2.8                  | 6.5 |
| NNE         | 1.8                | 2.0  | 2.1  | 2.3  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 4.0   | 4.5                  | 5.0 |
| NE          | 4.5                | 5.0  | 3.7  | 4.1  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 8.3   | 9.3                  | 4.4 |
| ENE         | 3.5                | 3.9  | 3.3  | 3.6  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 6.9   | 7.7                  | 4.6 |
| E           | 2.9                | 3.2  | 3.2  | 3.6  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 6.2   | 6.9                  | 4.7 |
| ESE         | 1.3                | 1.4  | 1.5  | 1.6  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.9   | 3.2                  | 5.3 |
| SE          | 1.0                | 1.1  | 1.2  | 1.4  | .1    | .1  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 2.4   | 2.6                  | 5.9 |
| SSE         | .6                 | .7   | .8   | .9   | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.6   | 1.8                  | 6.1 |
| S           | .7                 | .8   | 1.2  | 1.3  | .1    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.1   | 2.3                  | 6.2 |
| SSW         | .4                 | .7   | .8   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 1.5   | 1.7                  | 5.6 |
| SW          | 1.2                | 1.3  | 2.6  | 2.9  | .2    | .2  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 4.0   | 4.5                  | 6.3 |
| WSW         | .8                 | .9   | 3.0  | 3.3  | .5    | .6  | .3    | .4  | .1    | .1 | .0    | .0 | .0  | .0 | 4.8   | 5.4                  | 8.7 |
| W           | .8                 | .9   | 3.6  | 4.0  | 1.0   | 1.2 | .4    | .5  | .1    | .1 | .0    | .0 | .0  | .0 | 6.0   | 6.7                  | 9.3 |
| WNW         | .7                 | .8   | 2.2  | 2.4  | .5    | .6  | .4    | .4  | .1    | .1 | .0    | .0 | .0  | .0 | 3.9   | 4.3                  | 9.0 |
| NW          | .6                 | .7   | 1.4  | 1.6  | .2    | .3  | .1    | .2  | .1    | .1 | .0    | .0 | .0  | .0 | 2.5   | 2.8                  | 7.8 |
| NNW         | .4                 | .5   | .9   | 1.0  | .1    | .1  | .1    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | 1.5   | 1.7                  | 7.3 |
| CALM        | 28.7               | 32.0 |      |      |       |     |       |     |       |    |       |    |     |    | 28.7  | 32.0                 |     |
| TOTAL       | 50.9               | 56.7 | 33.2 | 36.9 | 3.4   | 3.7 | 1.7   | 1.9 | .5    | .6 | .1    | .1 | .0  | .0 | 89.8  | 100                  | 4.3 |



TRI BRISTOL, TN

CLASS 2 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 13977

NO. OBS.: 3964

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       |     |     | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|-----|-----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |     |     |                      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  | C     | D   |     |                      |
| N           | .1                 | .7   | .2   | 1.8  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3  | 2.7 | 7.0                  |
| NNE         | .2                 | 2.0  | .2   | 1.7  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .4  | 3.8 | 4.9                  |
| NE          | .3                 | 3.3  | .4   | 3.7  | .0    | .1  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .7  | 7.2 | 5.0                  |
| ENE         | .3                 | 2.5  | .3   | 3.1  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .6  | 5.7 | 5.2                  |
| E           | .3                 | 2.6  | .4   | 3.6  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .6  | 6.3 | 5.0                  |
| ESE         | .1                 | 1.4  | .1   | 1.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3  | 2.8 | 4.3                  |
| SE          | .1                 | 1.5  | .1   | .8   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2  | 2.3 | 4.0                  |
| SSE         | .1                 | .6   | .1   | .5   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 1.2 | 4.3                  |
| S           | .1                 | 1.4  | .1   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3  | 2.7 | 4.4                  |
| SSW         | .1                 | .9   | .2   | 2.0  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3  | 2.9 | 5.4                  |
| SW          | .2                 | 1.6  | .5   | 4.9  | .0    | .3  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .7  | 7.0 | 6.9                  |
| WSW         | .1                 | .9   | .6   | 6.0  | .2    | 1.6 | .1    | .9  | .0    | .1 | .0    | .1 | .0  | .1 | 1.0   | 9.5 | 9.6 |                      |
| W           | .1                 | 1.1  | .6   | 5.8  | .1    | 1.4 | .1    | .8  | .0    | .2 | .0    | .1 | .0  | .0 | 1.0   | 9.5 | 9.7 |                      |
| WNW         | .1                 | .7   | .4   | 3.6  | .1    | .8  | .0    | .2  | .0    | .1 | .0    | .0 | .0  | .0 | .6    | 5.5 | 8.4 |                      |
| NW          | .0                 | .4   | .2   | 2.0  | .0    | .3  | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | .3    | 3.1 | 8.7 |                      |
| NNW         | .0                 | .4   | .1   | 1.2  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2    | 1.7 | 7.2 |                      |
| CALM        | 2.7                | 26.0 |      |      |       |     |       |     |       |    |       |    |     |    |       |     |     |                      |
| TOTAL       | 4.9                | 47.9 | 4.4  | 43.4 | .5    | 5.2 | .3    | 2.5 | .1    | .8 | .0    | .2 | .0  | .1 | 10.2  | 100 | 5.1 |                      |



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 2 / NIGHT

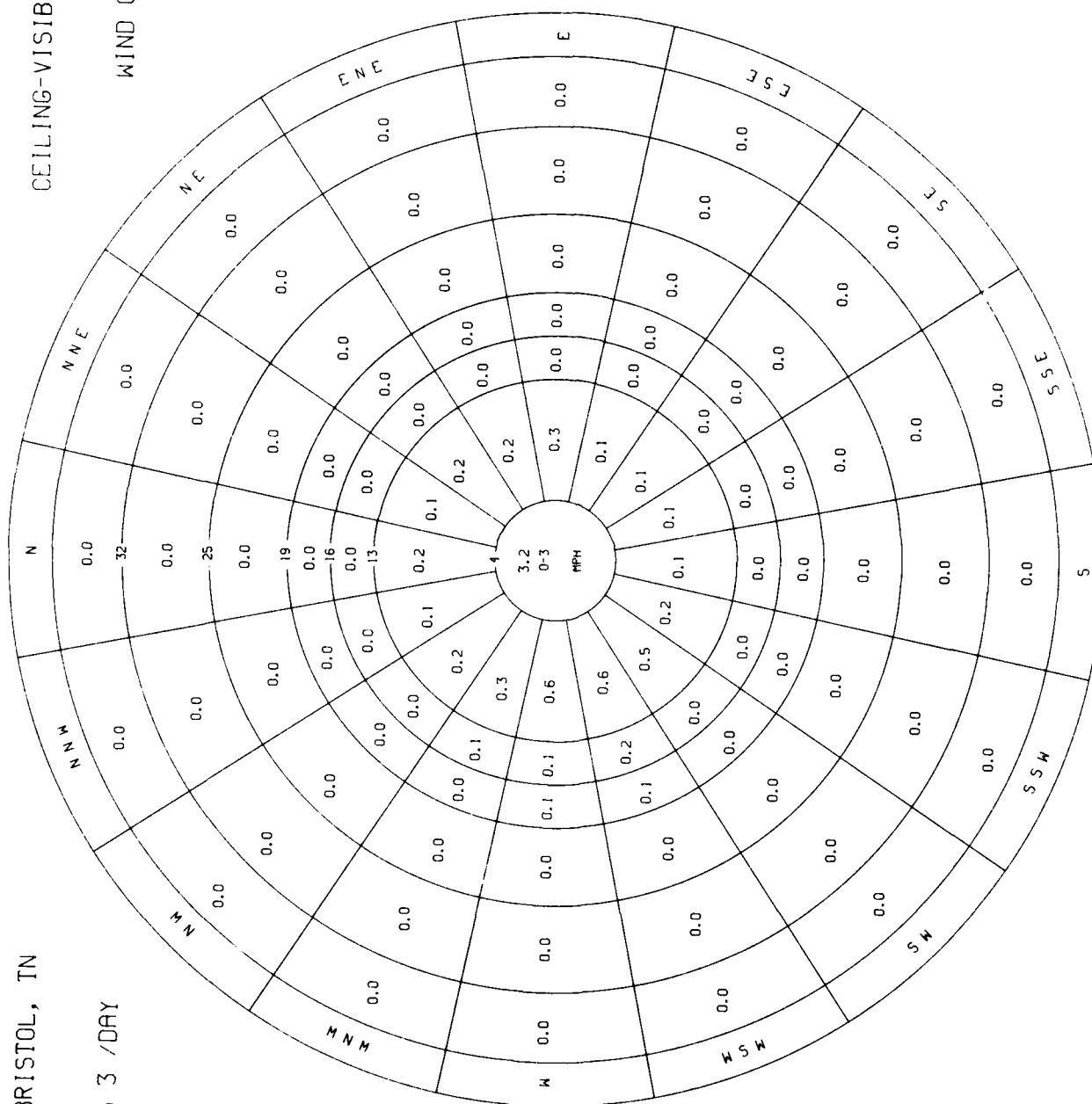
STATION NUMBER: 13877

NO. OBS.: 3193

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 2.0  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 3.1  | 6.9 |
| NNE         | .2                 | 1.8  | .2   | 2.1  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 3.9  | 5.0 |
| NE          | .4                 | 4.3  | .3   | 2.8  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .7    | 7.1  | 4.1 |
| ENE         | .3                 | 2.8  | .3   | 2.7  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .6    | 5.6  | 4.8 |
| E           | .3                 | 2.7  | .3   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .6    | 5.5  | 4.5 |
| ESE         | .1                 | 1.0  | .1   | 1.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 2.0  | 4.3 |
| SE          | .1                 | 1.2  | .0   | .4   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 1.6  | 3.4 |
| SSE         | .0                 | .4   | .0   | .3   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | .7   | 4.1 |
| S           | .1                 | .9   | .1   | 1.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 1.9  | 4.3 |
| SSW         | .1                 | .8   | .1   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 1.9  | 4.9 |
| SW          | .2                 | 1.6  | .4   | 3.9  | .0    | .3  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .6    | 6.0  | 6.5 |
| WSW         | .1                 | 1.5  | .6   | 5.6  | .1    | 1.3 | .1    | .6  | .0    | .0 | .0    | .1 | .0  | .0 | .0                   | .9    | 9.2  | 9.0 |
| W           | .1                 | 1.2  | .5   | 4.6  | .1    | 1.0 | .1    | .6  | .0    | .2 | .0    | .1 | .0  | .0 | .0                   | .8    | 7.6  | 9.2 |
| WNW         | .1                 | .7   | .3   | 2.7  | .0    | .3  | .0    | .4  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .4    | 4.2  | 8.6 |
| NW          | .1                 | .8   | .2   | 1.6  | .0    | .1  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 2.8  | 7.3 |
| NNW         | .0                 | .5   | .1   | .8   | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 1.4  | 6.8 |
| CALM        | 3.6                | 35.4 |      |      |       |     |       |     |       |    |       |    |     |    |                      | 3.6   | 35.4 |     |
| TOTAL       | 5.9                | 58.2 | 3.6  | 35.5 | .4    | 3.5 | .2    | 2.2 | .0    | .4 | .0    | .2 | .0  | .0 | .0                   | 10.2  | 100  | 4.1 |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 13877

NO. OBS.: 3060

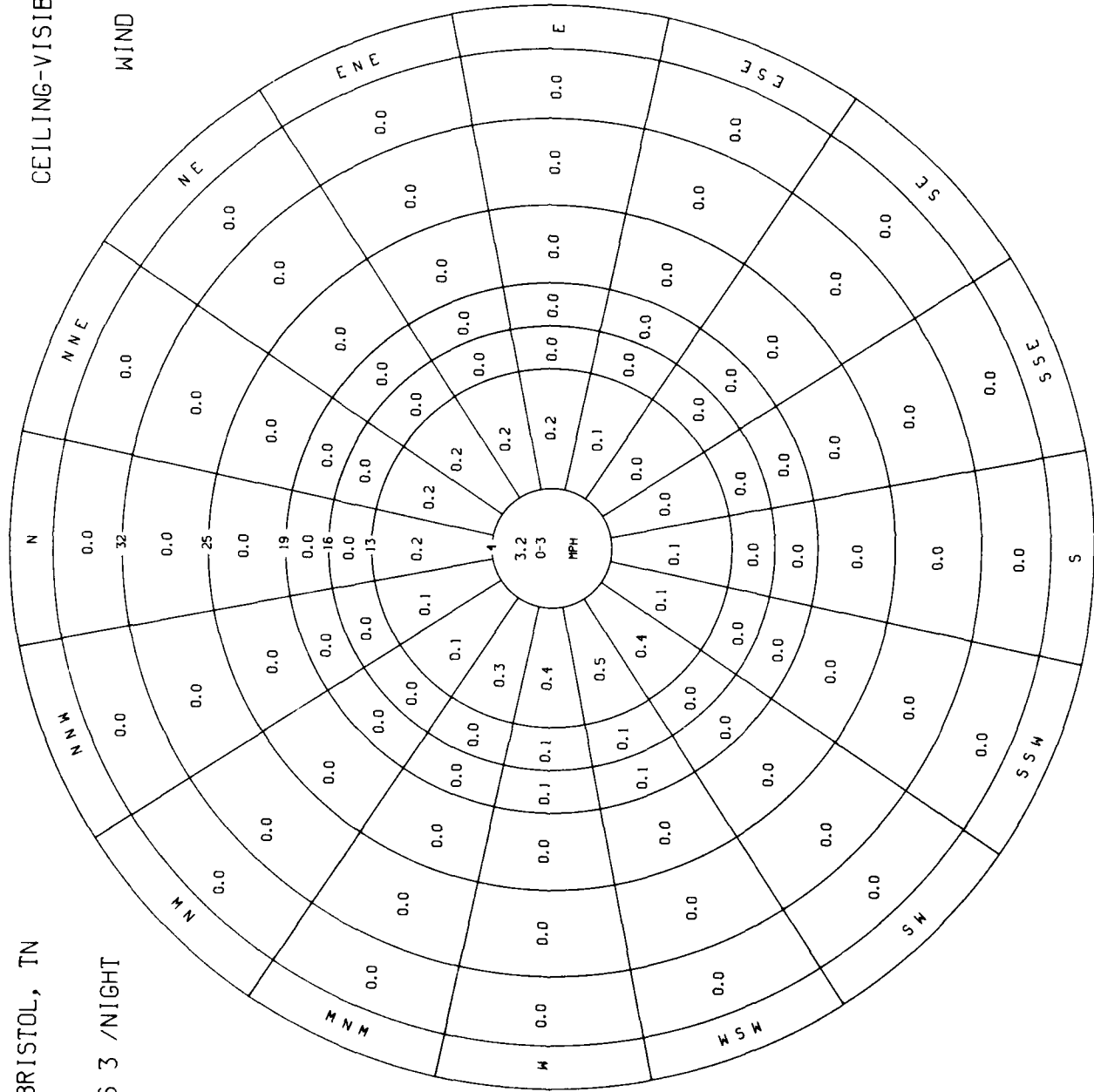
| D<br>I<br>R | SPEED GROUPS (MPH) |      |  |      |      |  |       |     |  |       |     |  |       |    |  | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|--|------|------|--|-------|-----|--|-------|-----|--|-------|----|--|----------------------|
|             | 0-3                |      |  | 4-12 |      |  | 13-15 |     |  | 16-18 |     |  | 19-24 |    |  | TOTAL                |
|             | A                  | B    |  | A    | B    |  | A     | B   |  | A     | B   |  | A     | B  |  |                      |
| N           | .0                 | .6   |  | .2   | 2.2  |  | .0    | .3  |  | .0    | .0  |  | .0    | .0 |  | .2 3.0 7.5           |
| NNE         | .1                 | 1.3  |  | .1   | 1.6  |  | .0    | .1  |  | .0    | .0  |  | .0    | .0 |  | .2 3.1 5.5           |
| NE          | .2                 | 2.4  |  | .2   | 2.9  |  | .0    | .1  |  | .0    | .1  |  | .0    | .0 |  | .4 5.5 5.2           |
| ENE         | .2                 | 2.2  |  | .2   | 2.5  |  | .0    | .2  |  | .0    | .0  |  | .0    | .0 |  | .4 4.9 5.3           |
| E           | .2                 | 2.0  |  | .3   | 3.8  |  | .0    | .1  |  | .0    | .0  |  | .0    | .0 |  | .5 5.9 5.3           |
| ESE         | .1                 | 1.2  |  | .1   | 1.4  |  | .0    | .0  |  | .0    | .0  |  | .0    | .0 |  | .2 2.6 4.4           |
| SE          | .1                 | 1.3  |  | .1   | .8   |  | .0    | .0  |  | .0    | .0  |  | .0    | .0 |  | .2 2.2 3.9           |
| SSE         | .1                 | .7   |  | .1   | .7   |  | .0    | .0  |  | .0    | .0  |  | .0    | .0 |  | .1 1.3 4.5           |
| S           | .1                 | 1.5  |  | .1   | 1.6  |  | .0    | .0  |  | .0    | .0  |  | .0    | .0 |  | .3 3.2 4.6           |
| SSW         | .1                 | .9   |  | .2   | 2.4  |  | .0    | .1  |  | .0    | .0  |  | .0    | .0 |  | .3 3.4 5.5           |
| SW          | .1                 | 1.6  |  | .5   | 5.9  |  | .0    | .3  |  | .0    | .2  |  | .0    | .0 |  | .6 8.1 7.2           |
| WSW         | .1                 | 1.0  |  | .6   | 7.4  |  | .2    | 2.0 |  | .1    | 1.1 |  | .0    | .1 |  | .9 11.8 9.7          |
| W           | .1                 | 1.2  |  | .6   | 7.0  |  | .1    | 1.7 |  | .1    | 1.0 |  | .0    | .0 |  | .9 11.4 9.7          |
| WNW         | .1                 | .8   |  | .3   | 4.3  |  | .1    | 1.0 |  | .0    | .3  |  | .0    | .0 |  | .5 6.4 8.5           |
| NW          | .0                 | .5   |  | .2   | 2.4  |  | .0    | .3  |  | .0    | .2  |  | .0    | .0 |  | .3 3.6 8.5           |
| NNW         | .0                 | .4   |  | .1   | 1.5  |  | .0    | .1  |  | .0    | .0  |  | .0    | .0 |  | .2 2.1 7.4           |
| CALM        | 1.7                | 21.5 |  |      |      |  |       |     |  |       |     |  |       |    |  | 1.7 21.5             |
| TOTAL       | 3.2                | 41.0 |  | 3.8  | 48.6 |  | .5    | 6.3 |  | .2    | 2.9 |  | .1    | .9 |  | 7.9 100 5.7          |

TRI BRISTOL, TN

CLASS 3 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13877

NO. OBS.: 2142

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       |     | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|-----|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 2.8  | .0    | .3  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2  | 3.6                  | 7.9 |
| NNE         | .1                 | 1.2  | .2   | 2.4  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3  | 3.8                  | 5.8 |
| NE          | .2                 | 2.5  | .2   | 2.7  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .4  | 5.4                  | 4.9 |
| ENE         | .2                 | 2.3  | .2   | 2.3  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3  | 4.8                  | 4.9 |
| E           | .1                 | 1.9  | .2   | 2.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3  | 4.3                  | 4.9 |
| ESE         | .1                 | .9   | .1   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 2.1                  | 4.7 |
| SE          | .1                 | 1.0  | .0   | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 1.3                  | 3.2 |
| SSE         | .0                 | .4   | .0   | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | .7                   | 3.9 |
| S           | .1                 | 1.0  | .1   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 2.1                  | 4.3 |
| SSW         | .1                 | .8   | .1   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2  | 2.3                  | 5.2 |
| SW          | .1                 | 1.5  | .4   | 5.6  | .0    | .4  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5  | 7.7                  | 6.9 |
| WSW         | .1                 | 1.6  | .5   | 8.0  | .1    | 1.9 | .1    | .9  | .0    | .2 | .0    | .1 | .0  | .0 | .0    | .9  | 12.7                 | 9.3 |
| W           | .1                 | 1.2  | .4   | 6.5  | .1    | 1.5 | .1    | .9  | .0    | .2 | .0    | .1 | .0  | .0 | .0    | .7  | 10.5                 | 9.5 |
| WNW         | .1                 | .8   | .3   | 3.7  | .0    | .5  | .0    | .7  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .4  | 5.7                  | 8.8 |
| NW          | .1                 | .8   | .1   | 2.   | .0    | .2  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2  | 3.5                  | 7.7 |
| NNW         | .0                 | .5   | .1   | 1.2  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 1.8                  | 7.4 |
| CALM        | 1.9                | 27.7 |      |      |       |     |       |     |       |    |       |    |     |    |       | 1.9 | 27.7                 |     |
| TOTAL       | 3.2                | 46.9 | 3.0  | 44.0 | .4    | 5.2 | .2    | 3.2 | .0    | .5 | .0    | .2 | .0  | .0 | .0    | 6.8 | 100                  | 5.2 |

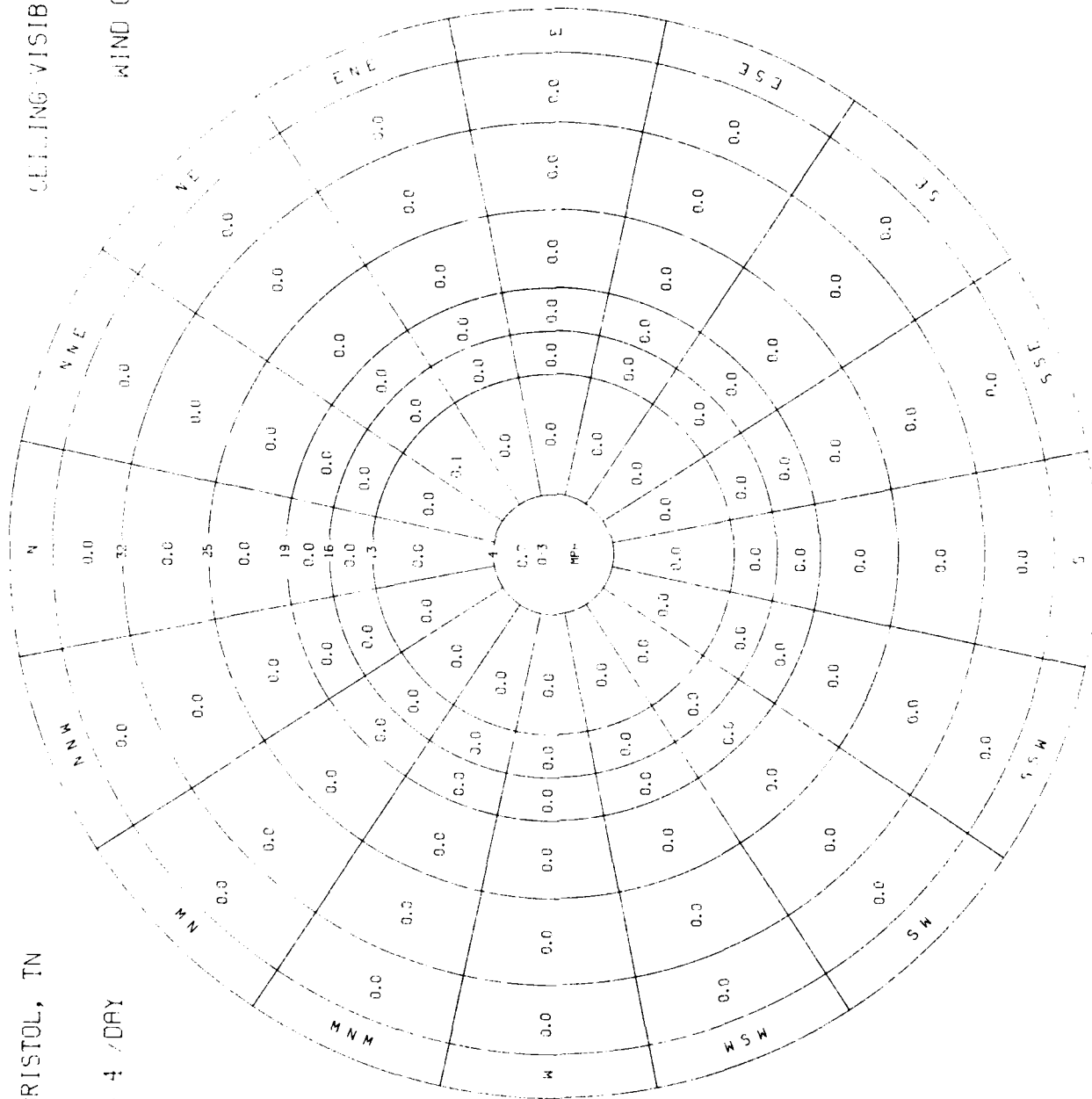


TRI BRISTOL, IN

CLASS 4 / DAY

CELLING VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 1A1 BRISTOL, IN

PERIOD: 1944-1978

CLASS 4 / DAY

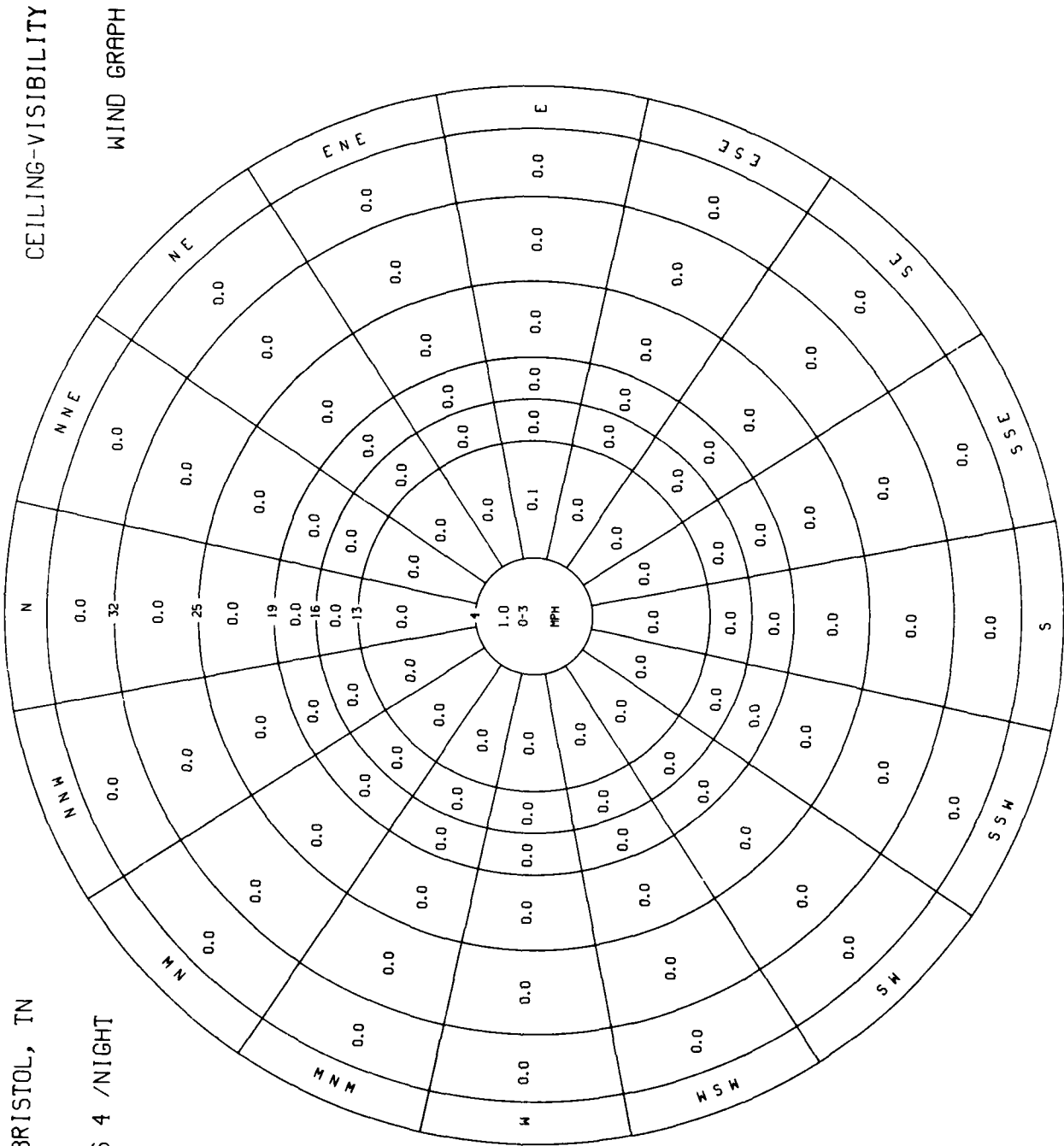
STATION NUMBER: 13877

NO. OBS.: 411

| SPEED GROUPS (MPH) |   |      |   |       |   |       |   |       |   |       |   |     |   |       |      |       | AUG |
|--------------------|---|------|---|-------|---|-------|---|-------|---|-------|---|-----|---|-------|------|-------|-----|
| 0-3                |   | 4-12 |   | 13-15 |   | 16-18 |   | 19-24 |   | 25-31 |   | 32+ |   | TOTAL |      | WIND  |     |
| A                  | B | A    | B | A     | B | A     | B | A     | B | A     | B | A   | B | C     | D    | SPEED |     |
| N                  | 0 | 1.0  | 0 | 7     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1     |     |
| NNE                | 0 | 2.7  | 0 | 5     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| NNE                | 1 | 3.4  | 1 | 5.1   | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| NNE                | 2 | 2.9  | 0 | 3.9   | 0 | 2     | 0 | 2     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| E                  | 1 | 4.9  | 0 | 3.9   | 0 | 3     | 0 | 3     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| ESE                | 0 | 2.4  | 0 | 1.9   | 0 | 2     | 0 | 2     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| ESE                | 2 | 2.2  | 0 | 1.5   | 0 | 2     | 0 | 2     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| SSE                | 0 | 1.7  | 0 | 2     | 0 | 2     | 0 | 2     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| SSE                | 0 | 1.7  | 0 | 2     | 0 | 2     | 0 | 2     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| SW                 | 0 | 0    | 0 | 1.6   | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| SW                 | 0 | 3.4  | 0 | 2.7   | 0 | 1     | 0 | 1     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| WSW                | 0 | 1.1  | 0 | 1.1   | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| W                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| WNW                | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| NW                 | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| NNW                | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0    | 1.5   |     |
| CALM               | 4 | 34.4 |   |       |   |       |   |       |   |       |   |     |   | 4     | 34.4 | 10.5  |     |
| TOTAL              | 1 | 57.0 |   |       |   |       |   |       |   |       |   |     |   | 1     | 100  | 10.5  |     |

TRI BRISTOL, TN

CLASS 4 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13877

NO. OBS.: 392

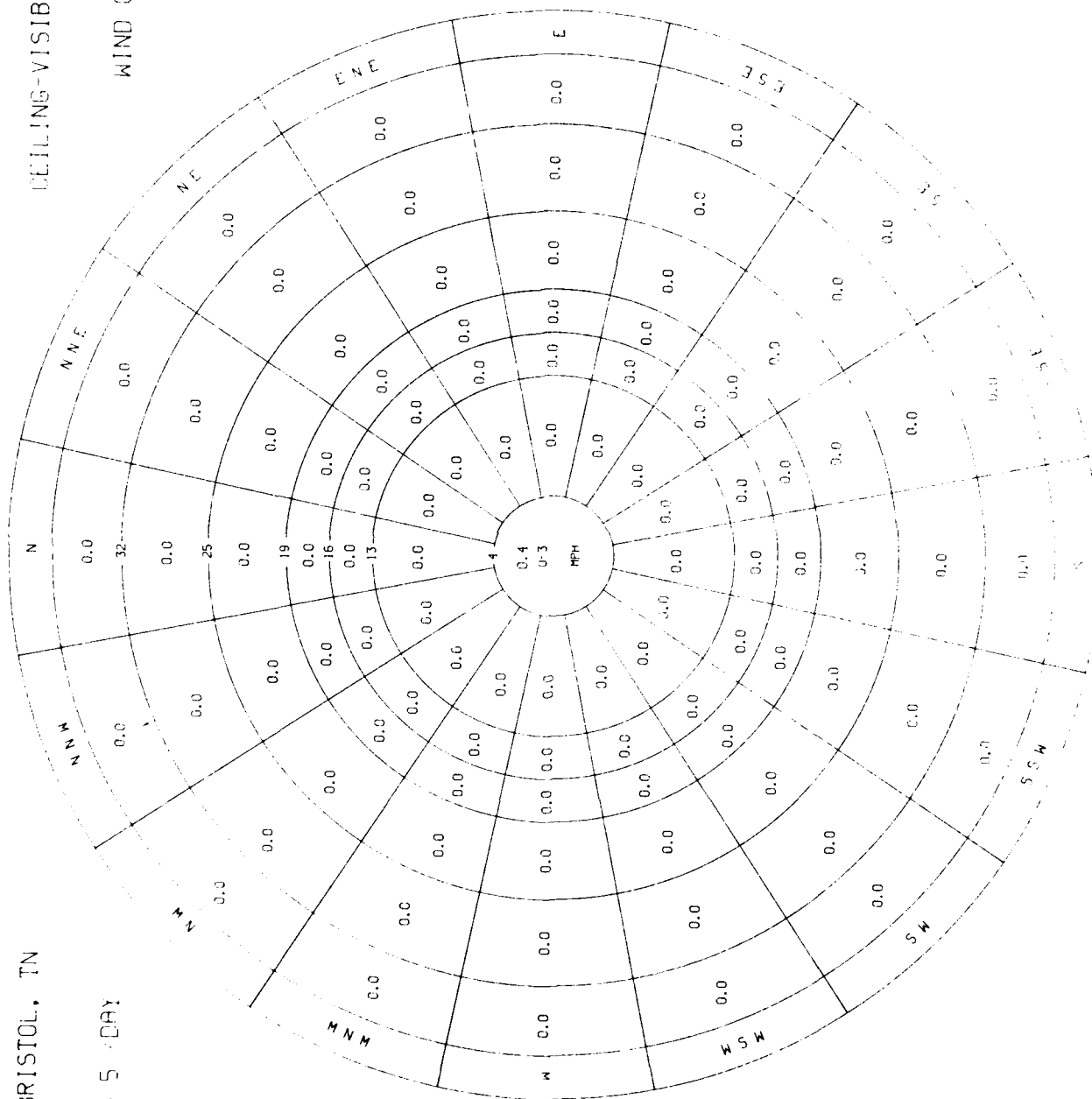
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | .5   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| NNE         | .0                 | 1.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| NE          | .1                 | 4.3  | .0   | 2.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.6               |
| ENE         | .0                 | 2.6  | .0   | 3.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.1               |
| E           | .0                 | 3.6  | .1   | 4.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 7.7               |
| ESE         | .0                 | .8   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.5               |
| SE          | .0                 | 2.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.6               |
| SSE         | .0                 | .3   | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| S           | .0                 | 1.3  | .0   | 1.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.1               |
| SSW         | .0                 | 1.3  | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.8               |
| SW          | .0                 | 2.8  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.3               |
| WSW         | .0                 | 2.0  | .0   | 1.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.3               |
| W           | .0                 | 1.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.3               |
| WNW         | .0                 | .3   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.3               |
| NW          | .0                 | .5   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.3               |
| NNW         | .0                 | .3   | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| CALM        | .6                 | 52.0 |      |      |       |    |       |    |       |    |       |    |     |    | .6 52.0              |
| TOTAL       | 1.0                | 76.5 | .3   | 21.9 | .0    | .0 | .0    | .5 | .0    | .8 | .0    | .3 | .0  | .0 | 1.2 100              |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 2.3                  |

TRI BRISTOL, TN

CLASS 5 DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TAI BRISTOL, TN

PERIOD: 1948-1978

CLASS 5 / DAY

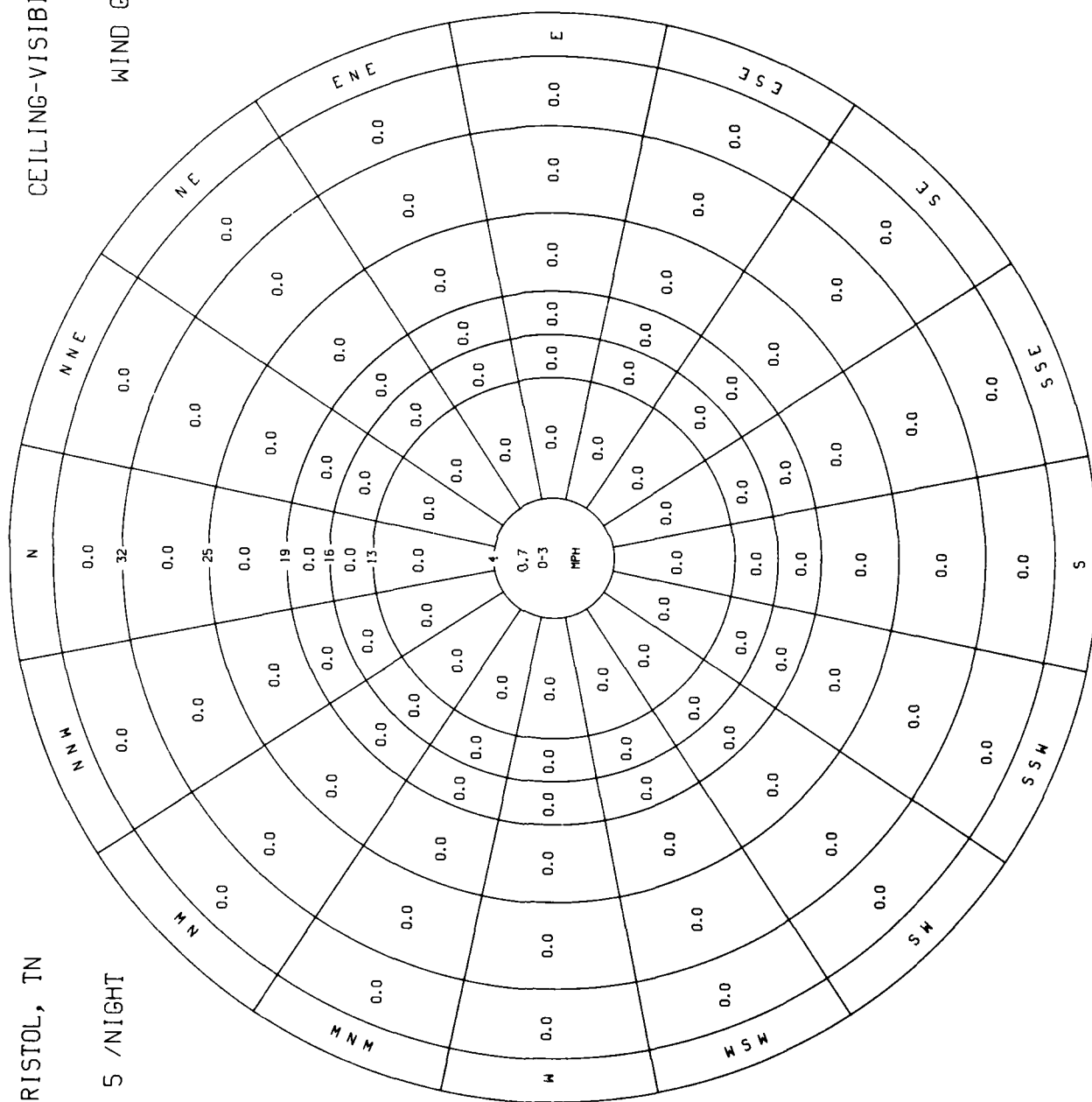
STATION NUMBER: 13877

NO. OBS.: 200

| D<br>I<br>P | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.0  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| NNE         | .0                 | 4.0  | .0   | 2.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.0               |
| NE          | .1                 | 10.0 | .0   | 5.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 15.5              |
| ENE         | .0                 | 3.0  | .0   | 6.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 9.0               |
| E           | .0                 | 5.5  | .0   | 2.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.5               |
| ESE         | .0                 | 2.0  | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.5               |
| SE          | .0                 | 2.5  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.5               |
| SSE         | .0                 | 1.0  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| S           | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .0                |
| SSW         | .0                 | .5   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| SW          | .0                 | 1.0  | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.5               |
| WSW         | .0                 | .5   | .0   | 1.0  | .0    | .0 | .0    | .5 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| W           | .0                 | .5   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .5 | .0  | .0 | .0 1.5               |
| WNW         | .0                 | 1.5  | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| NW          | .0                 | .5   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| NNW         | .0                 | .5   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| CALM        | .2                 | 45.5 |      |      |       |    |       |    |       |    |       |    |     |    | .2 45.5              |
| TOTAL       | .4                 | 79.5 | .1   | 19.5 | .0    | .0 | .0    | .5 | .0    | .0 | .0    | .5 | .0  | .0 | .5 100               |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | .2 45.5              |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | .2 45.5              |

# CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: TRI BRISTOL, TN

CLASS 5 / NIGHT

NO. OBS.: 271

STATION NUMBER: 13877

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.5  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.8                  |
| NNE         | .0                 | 1.8  | .0   | 1.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.0                  |
| NE          | .1                 | 8.1  | .0   | 4.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 12.5                 |
| ENE         | .0                 | 3.7  | .0   | 4.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 7.7                  |
| E           | .0                 | 4.4  | .0   | 4.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 8.5                  |
| ESE         | .0                 | 2.2  | .0   | 1.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.3                  |
| SSE         | .0                 | 1.5  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.8                  |
| S           | .0                 | .4   | .0   | .7   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.1                  |
| SSW         | .0                 | 1.5  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .4                   |
| SW          | .0                 | 1.8  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.5                  |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.2                  |
| W           | .0                 | 1.1  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| WNW         | .0                 | .4   | .0   | 1.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.5                  |
| NW          | .0                 | 1.1  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.5                  |
| NNW         | .0                 | .7   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .7                   |
| CALM        | .4                 | 50.9 |      |      |       |    |       |    |       |    |       |    |     |    | 4 50.9               |
| TOTAL       | 7.8                | 1.5  | .2   | 18.5 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.9                  |

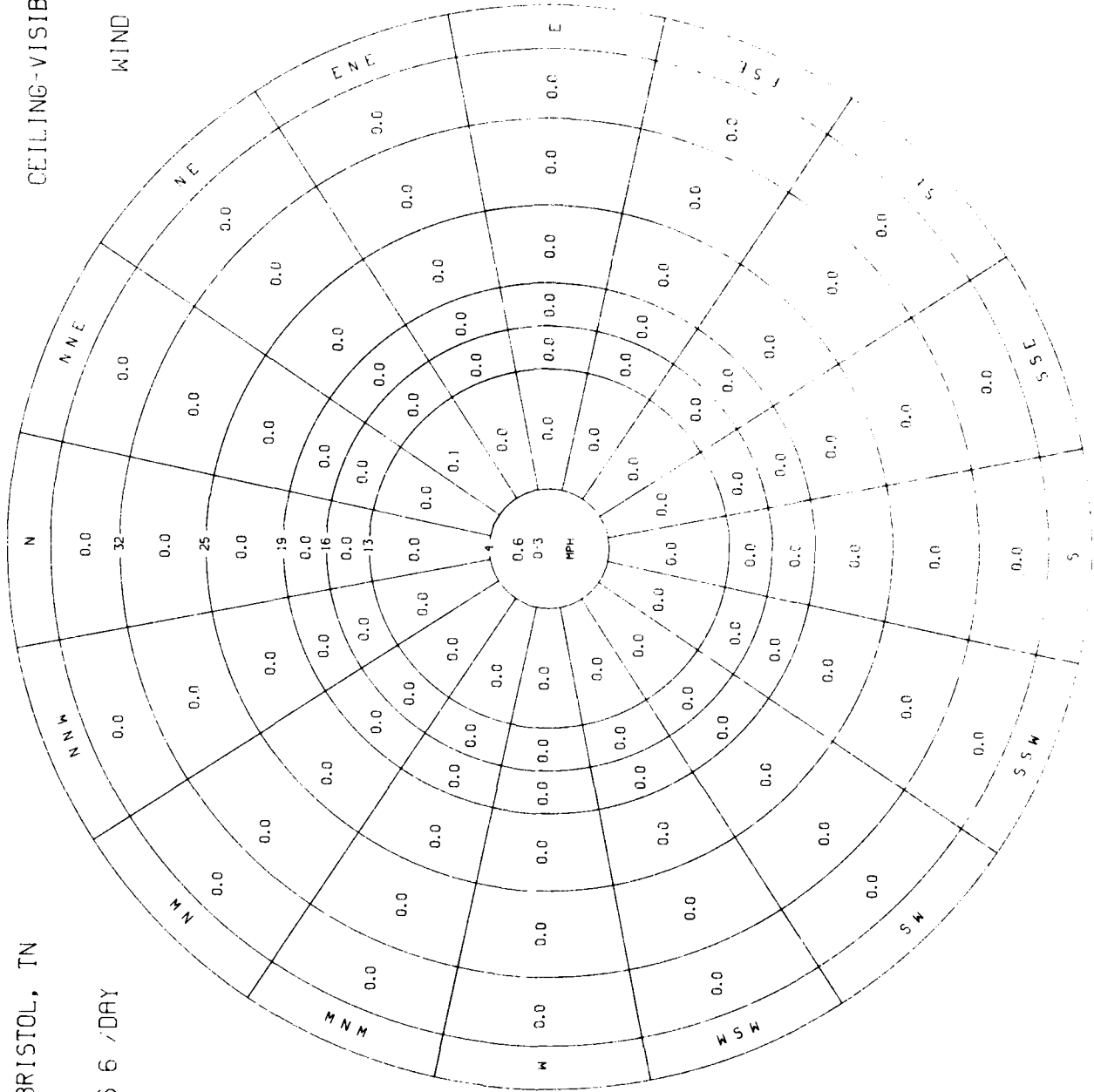


TRI BRISTOL, IN

CLASS 6 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 6 / DAY

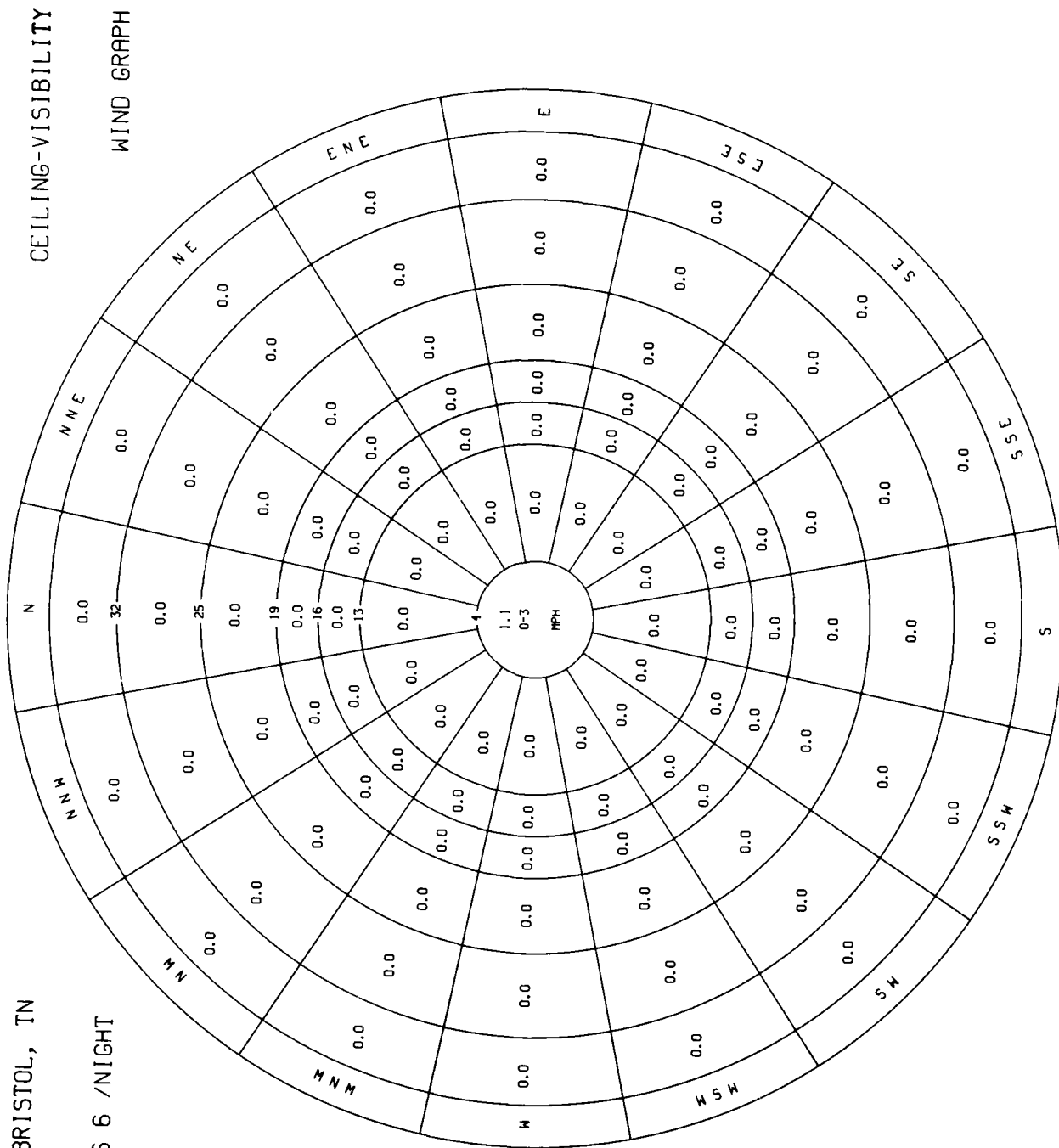
STATION NUMBER: 13877

NO. OBS.: 293

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.0                  |
| NNE         | .1                 | 7.2  | .0   | 3.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 10.9                 |
| NE          | .1                 | 8.2  | .1   | 8.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 16.7                 |
| ENE         | .0                 | 4.4  | .0   | 5.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 10.2                 |
| E           | .0                 | 3.1  | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.8                  |
| ESE         | .0                 | 2.0  | .0   | .7   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.7                  |
| SE          | .0                 | 1.0  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.4                  |
| SSE         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| S           | .0                 | .7   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .7                   |
| SSW         | .0                 | .3   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3                   |
| SW          | .0                 | .0   | .0   | .7   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .7                   |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| W           | .0                 | .0   | .0   | .0   | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3                   |
| WNW         | .0                 | .7   | .0   | .7   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.4                  |
| NW          | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NNW         | .0                 | .3   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3                   |
| CALM        | .4                 | 47.4 |      |      |       |    |       |    |       |    |       |    |     |    | 47.4                 |
| TOTAL       | 6.6                | 76.5 | 2.2  | 22.9 | .0    | .3 | .0    | .3 | .0    | .0 | .0    | .0 | .0  | .0 | 81.0                 |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 2.1                  |

TRI BRISTOL, TN

CLASS 6 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TRI BRISTOL, TN

PERIOD: 1948-1978

CLASS 6 / NIGHT

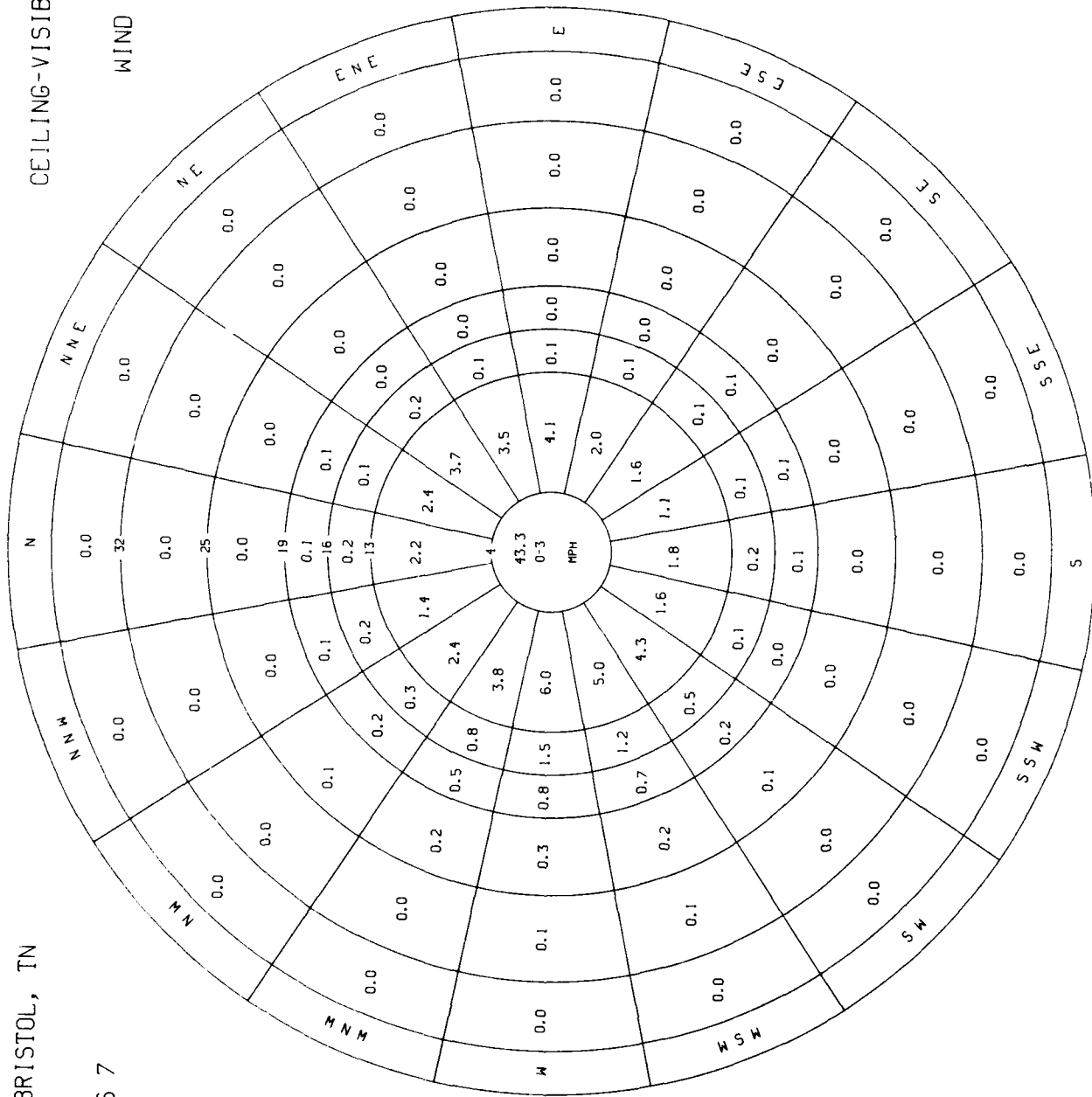
STATION NUMBER: 13877

NO. OBS.: 388

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |                      |     |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    |       |                      |     |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  | C     |                      | D   |
| N           | .0                 | 2.8  | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.4                  | 3.1 |
| NNE         | .1                 | 5.4  | .0   | 2.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.7                  | 3.5 |
| NE          | .1                 | 11.3 | .0   | 2.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.13.7               | 3.1 |
| ENE         | .1                 | 4.6  | .0   | 3.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.8.0                | 4.0 |
| E           | .1                 | 4.9  | .0   | 2.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.7.7                | 3.7 |
| ESE         | .0                 | .8   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.3                  | 3.4 |
| SE          | .0                 | 1.0  | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.3                  | 3.2 |
| SSE         | .0                 | .3   | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5                   | 4.0 |
| S           | .0                 | .5   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5                   | 3.0 |
| SSW         | .0                 | .0   | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3                   | 5.0 |
| SW          | .0                 | .3   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3                   | 3.0 |
| WSW         | .0                 | 1.3  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.3                  | 2.4 |
| W           | .0                 | 1.0  | .0   | .5   | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.8                  | 5.0 |
| WNW         | .0                 | .3   | .0   | .3   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5                   | 3.5 |
| NW          | .0                 | .5   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.3                  | 4.2 |
| NNW         | .0                 | .5   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5                   | 2.5 |
| CALM        | .6                 | 50.3 |      |      |       |    |       |    |       |    |       |    |     |    |       |                      |     |
| TOTAL       | 1.1                | 85.8 | .2   | 13.9 | .0    | .3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .6    | 50.3                 | 1.7 |

## CEILING-VISIBILITY

WIND GRAPH

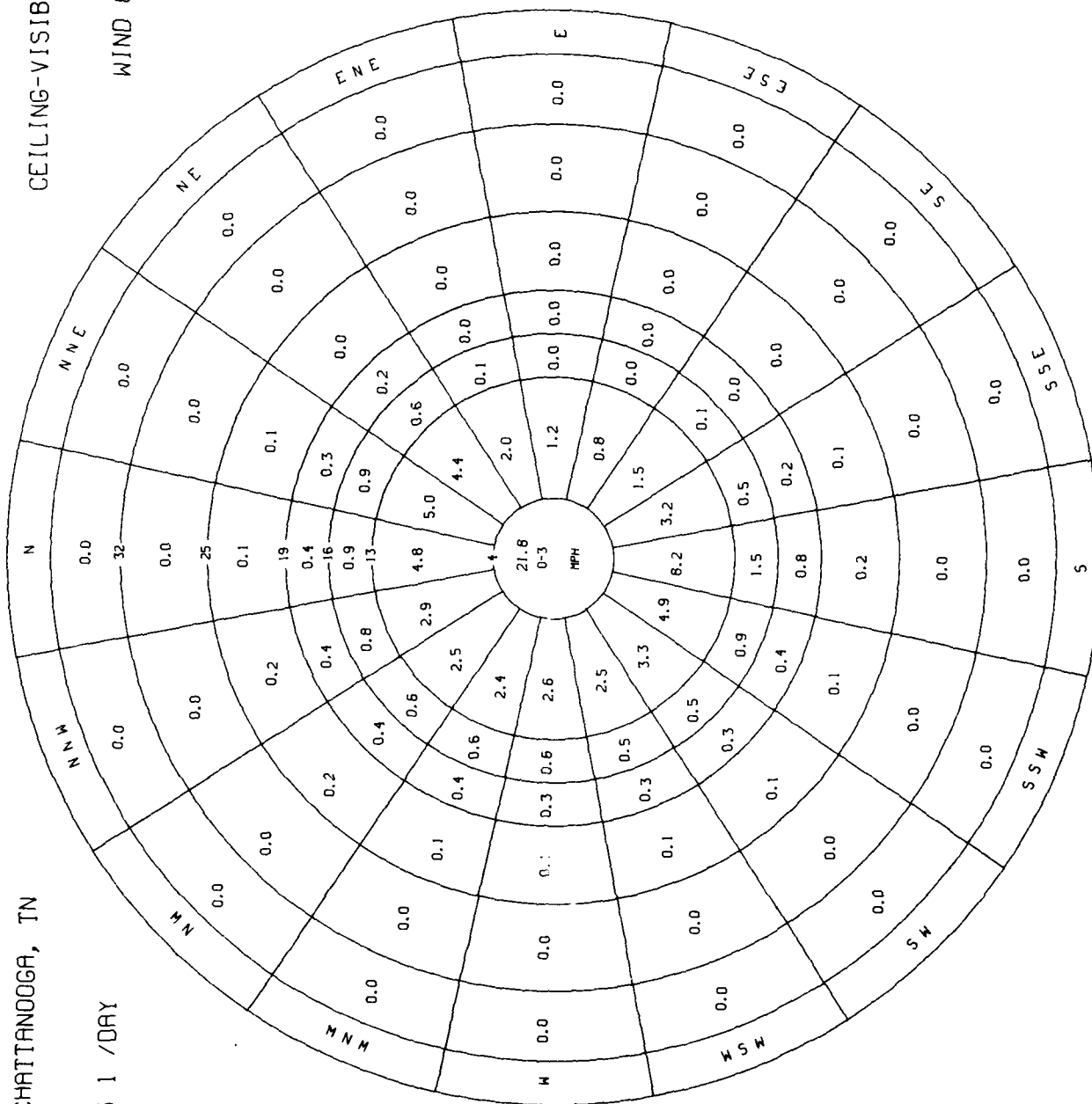


CHA CHATTANOOGA, TN

CLASS 1 /DAY

CEILING-VISIBILITY

WIND GRAPH



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# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1948-1978

CLASS 1 / DAY

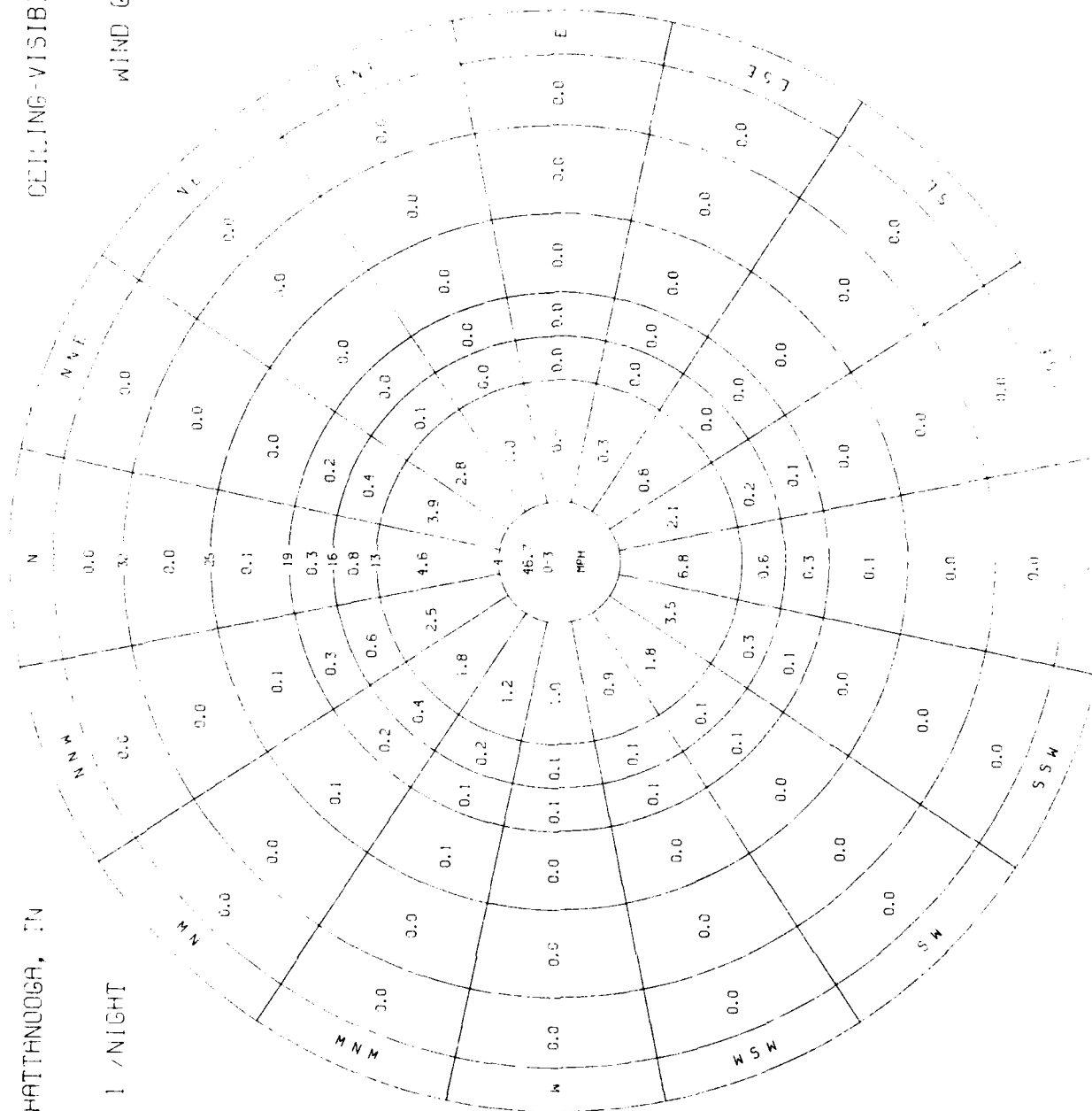
STATION NUMBER: 13882

NO. OBS.: 43630

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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                | 1.2  | 4.8  | 5.3  | .9    | 1.0  | .4    | .5  | .1    | .1  | .0    | .0 | .0  | .0 | 7.2   | 8.1  | 8.7                  |
| NNE         | .9                 | 1.0  | 5.0  | 5.6  | .9    | 1.0  | .3    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 7.1   | 8.0  |                      |
| NE          | 1.1                | 1.2  | 4.4  | 5.0  | .6    | .7   | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 6.3   | 7.1  | 7.9                  |
| ENE         | .6                 | .6   | 2.0  | 2.3  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.8   | 3.1  |                      |
| E           | .6                 | .7   | 1.2  | 1.3  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.9   | 2.1  | 6.8                  |
| ESE         | .4                 | .5   | .8   | .9   | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.2   | 1.4  |                      |
| SE          | .7                 | .8   | 1.5  | 1.7  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.3   | 2.6  | 6.3                  |
| SSE         | .7                 | .8   | 3.2  | 3.6  | .5    | .6   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 4.7   | 5.3  |                      |
| S           | 1.5                | 1.7  | 8.2  | 9.2  | 1.5   | 1.7  | .8    | .9  | .2    | .2  | .0    | .0 | .0  | .0 | 12.2  | 13.7 | 8.9                  |
| SSW         | 1.0                | 1.1  | 4.9  | 5.5  | .9    | 1.0  | .4    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 7.3   | 8.2  |                      |
| SW          | 1.1                | 1.2  | 3.3  | 3.7  | .5    | .6   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 5.3   | 6.0  | 8.8                  |
| WSW         | .7                 | .8   | 2.5  | 2.8  | .5    | .6   | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 4.1   | 4.6  |                      |
| W           | .8                 | .9   | 2.6  | 2.9  | .6    | .6   | .3    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 4.4   | 5.0  | 9.1                  |
| WNW         | .5                 | .6   | 2.4  | 2.7  | .6    | .7   | .4    | .4  | .1    | .2  | .0    | .0 | .0  | .0 | 4.0   | 4.5  |                      |
| NW          | .8                 | .9   | 2.5  | 2.8  | .6    | .7   | .4    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | 4.5   | 5.1  | 9.8                  |
| NNW         | .7                 | .8   | 2.9  | 3.2  | .8    | .9   | .4    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 4.9   | 5.6  |                      |
| CALM        | 8.7                | 9.8  |      |      |       |      |       |     |       |     |       |    |     |    | 8.7   | 9.8  | 9.8                  |
| TOTAL       | 21.8               | 24.5 | 52.0 | 58.5 | 9.0   | 10.1 | 4.4   | 4.9 | 1.5   | 1.7 | .2    | .2 | .0  | .0 | 88.8  | 100  |                      |
|             |                    |      |      |      |       |      |       |     |       |     |       |    |     |    |       |      | 7.7                  |

# CELLING-VISIBILITY

### WIND GRAPH





## CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: LA PATANOGA, TN

PERIOD: 1948-1978

CLASS 1 / NIGHT

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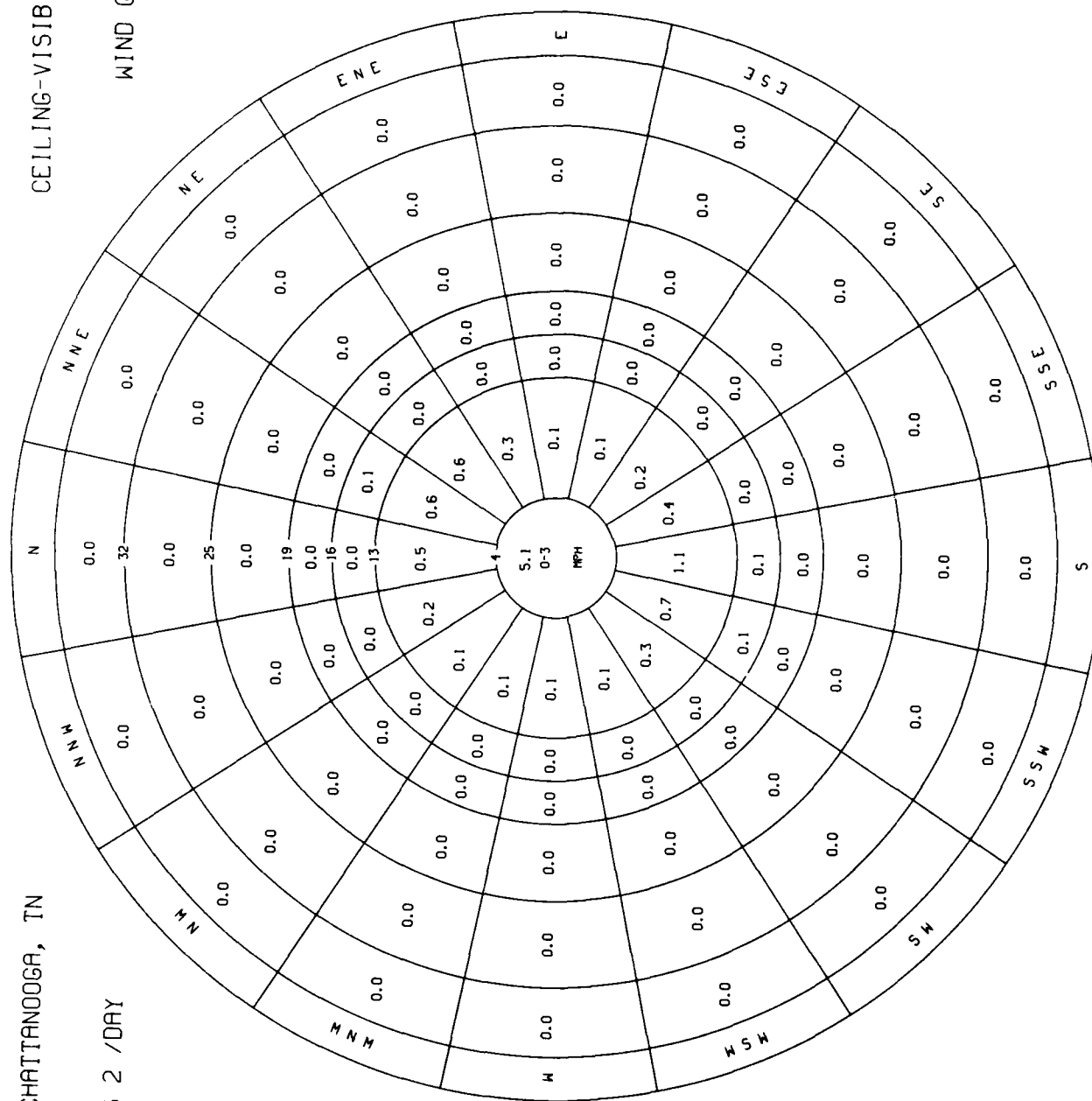
| SPEED GROUPS (MPH) |   |   |      |   |   |       |   |   |       |   |   |       |   |   |       |   |   |     |   |   |       |   |   |      | AVG<br>WIND<br>SPEED |
|--------------------|---|---|------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-----|---|---|-------|---|---|------|----------------------|
| 0-3                |   |   | 4-12 |   |   | 13-15 |   |   | 16-18 |   |   | 19-24 |   |   | 25-31 |   |   | 32+ |   |   | TOTAL |   |   |      |                      |
| C                  | E | S | C    | E | S | C     | E | S | C     | E | S | C     | E | S | C     | E | S | C   | E | S |       | C | E | S    | D                    |
| W                  | 1 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 1.4  | 9.3                  |
| N                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 5.9  | 5.1                  |
| N                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 4.4  | 5.0                  |
| W                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 1.8  | 2.0                  |
| W                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 1.0  | 1.1                  |
| S                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 1.6  | 1.8                  |
| S                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 3.4  | 3.8                  |
| S                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 12.3 | 1.6                  |
| W                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 2.3  | 6.0                  |
| W                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 1.1  | 3.4                  |
| W                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 1.1  | 1.9                  |
| W                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 2.0  | 2.3                  |
| W                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 2.4  | 2.6                  |
| N                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 3.4  | 3.9                  |
| N                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 4.6  | 5.1                  |
| N                  | 0 | 0 | 0    | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 0     | 0 | 0 | 29.9 | 33.6                 |
| TOTAL              |   |   |      |   |   |       |   |   |       |   |   |       |   |   |       |   |   |     |   |   |       |   |   | 88.9 | 100                  |

CHA CHATTANOOGA, TN

CLASS 2 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1948-1978

CLASS 2 / DAY

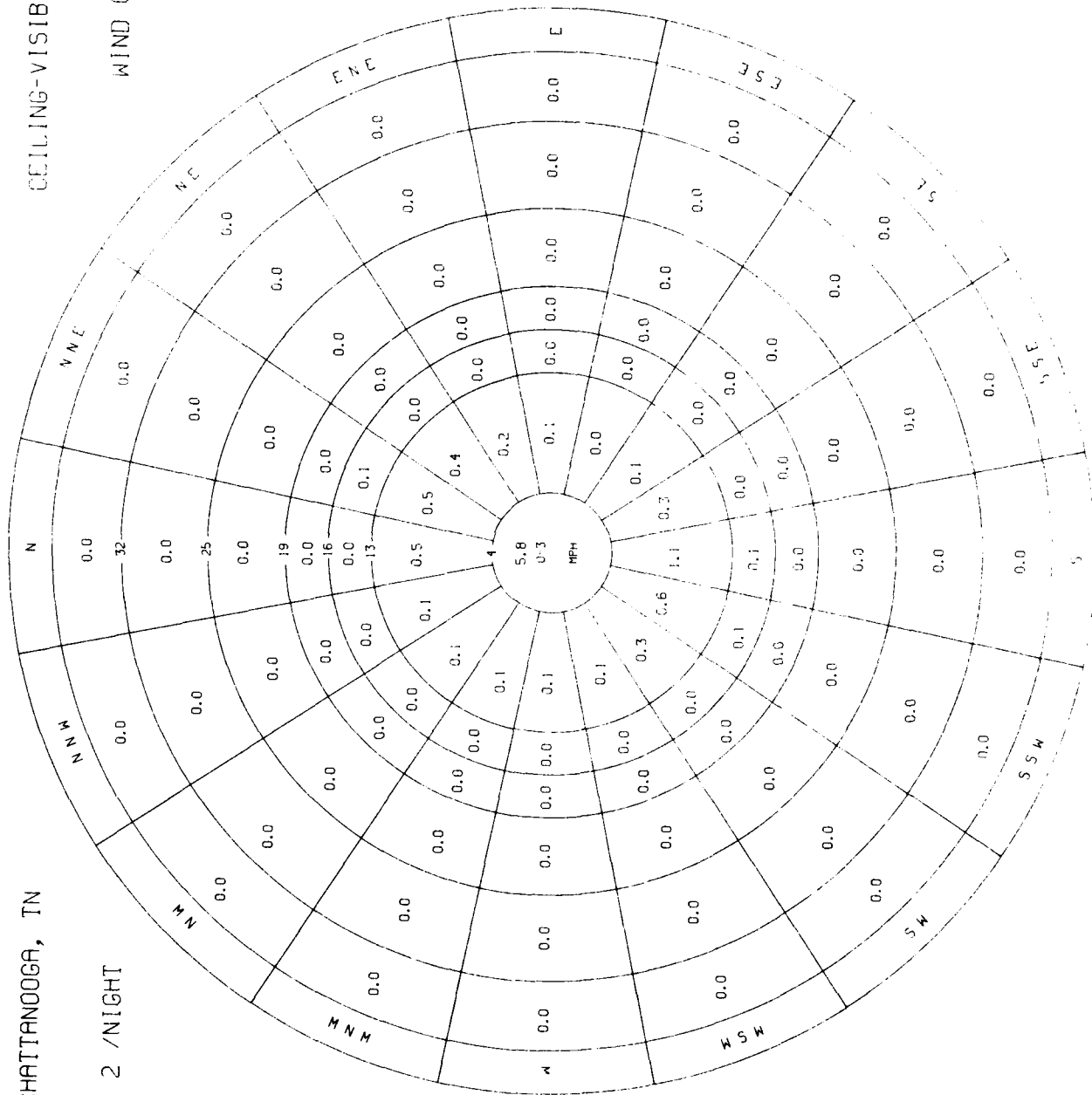
STATION NUMBER: 13882

NO. OBS.: 5477

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |                      |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |       |                      | C    | D   |
| N           | .2                 | 1.7  | .5   | 4.3  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .7                   | 6.2  | 6.5 |
| NNE         | .2                 | 1.9  | .6   | 5.2  | .1    | .5  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .9                   | 7.8  | 7.1 |
| NE          | .2                 | 1.6  | .6   | 5.2  | .0    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .8                   | 7.4  | 6.8 |
| ENE         | .1                 | .9   | .3   | 2.4  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .4                   | 3.4  | 5.7 |
| E           | .1                 | 1.2  | .1   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3                   | 2.5  | 4.5 |
| ESE         | .1                 | .7   | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1                   | 1.3  | 4.4 |
| SE          | .1                 | 1.0  | .2   | 1.5  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3                   | 2.6  | 5.5 |
| SSE         | .1                 | 1.0  | .4   | 3.2  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5                   | 4.6  | 6.9 |
| S           | .3                 | 2.8  | 1.1  | 10.2 | .1    | 1.3 | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | 1.7                  | 14.8 | 7.8 |
| SSW         | .1                 | 1.3  | .7   | 6.2  | .1    | .7  | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .9                   | 8.4  | 7.6 |
| SW          | .1                 | 1.2  | .3   | 3.0  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5                   | 4.5  | 6.5 |
| WSW         | .1                 | .8   | .1   | 1.0  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 1.9  | 5.5 |
| W           | .1                 | 1.1  | .1   | .8   | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 2.1  | 5.7 |
| WNW         | .1                 | .8   | .1   | .7   | .0    | .1  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .2                   | 1.8  | 7.1 |
| NW          | .1                 | .8   | .1   | 1.1  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2                   | 2.1  | 6.4 |
| NNW         | .1                 | 1.2  | .2   | 1.4  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3                   | 2.8  | 6.0 |
| CALM        | 2.9                | 25.8 |      |      |       |     |       |     |       |    |       |    |     |    |       | 2.9                  | 25.8 |     |
| TOTAL       | 5.1                | 45.7 | 5.4  | 48.3 | .5    | 4.1 | .2    | 1.4 | .0    | .4 | .0    | .1 | .0  | .1 | .0    | 11.2                 | 100  | 5.0 |

CELLING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13882

NO. OBS.: 4604

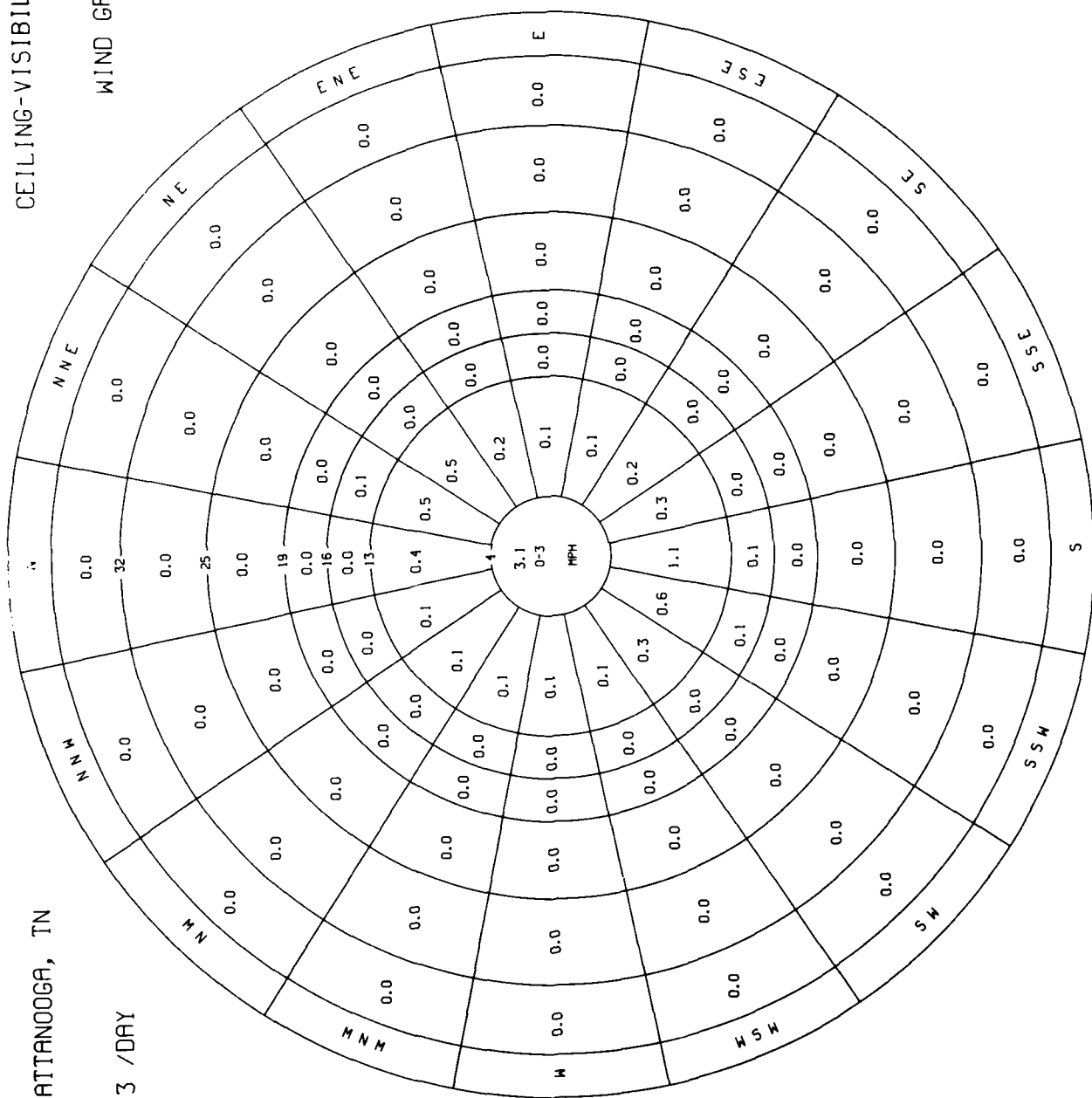
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |      |                      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  | C     | D    |                      |     |
| N           | .2                 | 1.9  | .5   | 4.2  | .0    | .2  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .7   | 6.4                  | 6.3 |
| NNE         | .2                 | 1.8  | .5   | 4.7  | .1    | .5  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .8   | 7.1                  | 6.9 |
| NE          | .2                 | 2.1  | .4   | 4.0  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .7   | 6.5                  | 5.9 |
| ENE         | .2                 | 1.4  | .2   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .4   | 3.2                  | 4.8 |
| E           | .1                 | 1.0  | .1   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2   | 1.7                  | 3.9 |
| ESE         | .1                 | .6   | .0   | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1   | .8                   | 3.9 |
| SE          | .1                 | .9   | .1   | 1.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2   | 1.9                  | 4.6 |
| SSE         | .1                 | 1.0  | .3   | 2.4  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .4   | 3.7                  | 6.6 |
| S           | .3                 | 3.1  | 1.1  | 9.7  | .1    | 1.1 | .0    | .4  | .0    | .2 | .0    | .0 | .0  | .0 | .0    | 1.6  | 14.5                 | 7.5 |
| SSW         | .2                 | 1.4  | .6   | 5.7  | .1    | .6  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .9   | 7.9                  | 7.4 |
| SW          | .2                 | 1.4  | .3   | 2.8  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5   | 4.5                  | 6.2 |
| WSW         | .1                 | .9   | .1   | .9   | .0    | .0  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .0 | .0    | .2   | 1.9                  | 5.5 |
| W           | .1                 | .9   | .1   | 1.1  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2   | 2.2                  | 6.8 |
| WNW         | .1                 | .5   | .1   | .9   | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2   | 1.5                  | 6.6 |
| NW          | .1                 | .8   | .1   | 1.3  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .3   | 2.3                  | 6.1 |
| NNW         | .1                 | .7   | .1   | 1.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .2   | 2.2                  | 6.3 |
| CALM        | 3.5                | 31.8 |      |      |       |     |       |     |       |    |       |    |     |    |       | 3.5  | 31.8                 |     |
| TOTAL       | 5.2                | 52.2 | 4.7  | 42.5 | .4    | 3.4 | .1    | 1.3 | .1    | .5 | .0    | .0 | .0  | .0 | .0    | 11.1 | 100                  | 4.4 |

# CEILING-VISIBILITY

## WIND GRAPH

CHA CHATTANOOGA, TN

CLASS 3 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1948-1978

CLASS 3 / DAY

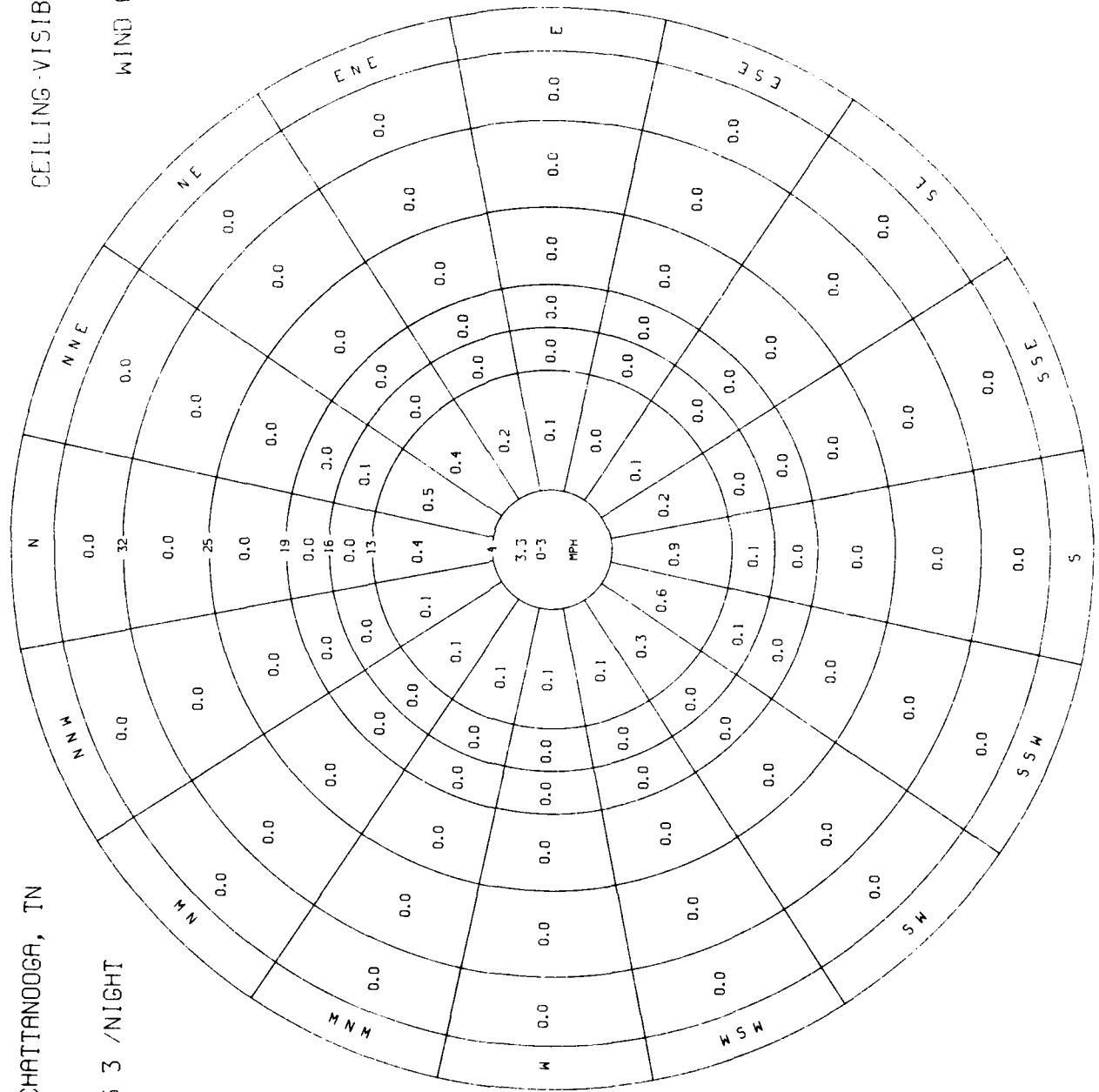
STATION NUMBER: 13882

NO. OBS.: 4209

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |     |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |                      |       |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      | C     | D   |
| N           | .1                 | 1.3  | .4   | 4.7  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .5                   | 6.3   | 7.0 |
| NNE         | .1                 | 1.7  | .5   | 6.1  | .1    | .7  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .7                   | 8.6   | 7.4 |
| NE          | .1                 | 1.5  | .5   | 5.8  | .0    | .5  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .7                   | 8.0   | 7.1 |
| ENE         | .1                 | 1.0  | .2   | 2.5  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .3                   | 3.6   | 5.9 |
| E           | .1                 | 1.3  | .1   | 1.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 2.6   | 4.6 |
| ESE         | .0                 | .5   | .1   | .7   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1                   | 1.2   | 4.6 |
| SE          | .1                 | 1.0  | .2   | 1.8  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .3                   | 2.9   | 5.8 |
| SSE         | .1                 | 1.0  | .3   | 3.8  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .4                   | 5.2   | 7.2 |
| S           | .2                 | 2.8  | 1.1  | 12.6 | .1    | 1.7 | .0    | .5  | .0    | .2 | .0    | .0 | .0  | .0 | 1.5                  | 17.7  | 8.1 |
| SSW         | .1                 | 1.3  | .6   | 7.4  | .1    | .9  | .0    | .3  | .0    | .1 | .0    | .0 | .0  | .0 | .9                   | 9.9   | 7.8 |
| SW          | .1                 | 1.2  | .3   | 3.4  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .4                   | 4.9   | 6.9 |
| WSW         | .1                 | .7   | .1   | 1.2  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 2.0   | 5.7 |
| W           | .1                 | 1.1  | .1   | .9   | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 2.2   | 6.1 |
| WNW         | .1                 | .8   | .1   | .8   | .0    | .1  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .2                   | 1.9   | 7.3 |
| NW          | .0                 | .6   | .1   | 1.2  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 2.0   | 7.4 |
| NNW         | .1                 | 1.0  | .1   | 1.6  | .0    | .1  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 2.9   | 6.5 |
| CALM        | 1.5                | 17.9 |      |      |       |     |       |     |       |    |       |    |     |    | 1.5                  | 17.9  |     |
| TOTAL       | 3.1                | 36.6 | 4.8  | 55.9 | .4    | 5.2 | .2    | 1.8 | .0    | .5 | .0    | .1 | .0  | .0 | 8.6                  | 100   | 5.9 |

CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1948-1978

CLASS 3 / NIGHT

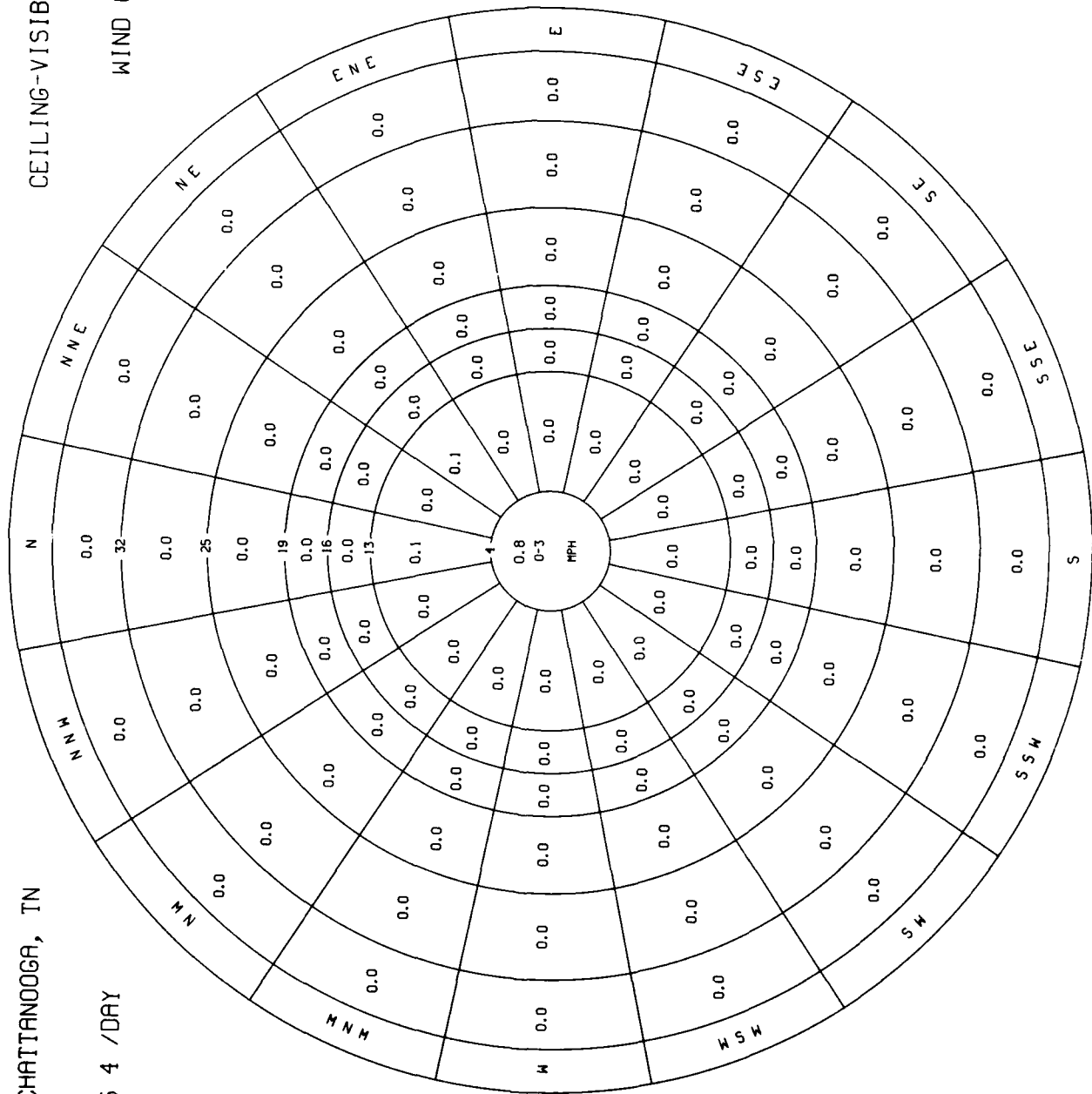
STATION NUMBER: 13682

NO. OBS.: 3250

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      | C     | D    |
| N           | .1                 | 1.6  | .4   | 4.8  | .0    | .3  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .5    | 6.9  |
| NNE         | .1                 | 1.7  | .5   | 5.8  | .1    | .7  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .7    | 8.4  |
| NE          | .2                 | 1.9  | .4   | 4.6  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .5    | 7.0  |
| ENE         | .1                 | 1.3  | .2   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .3    | 3.3  |
| E           | .1                 | 1.1  | .1   | .8   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 1.8  |
| ESE         | .0                 | .6   | .0   | .3   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | .9   |
| SE          | .1                 | .9   | .1   | 1.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 2.1  |
| SSE         | .1                 | 1.1  | .2   | 3.0  | .0    | .2  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 4.6  |
| S           | .3                 | 3.2  | .9   | 11.9 | .1    | 1.5 | .0    | .6  | .0    | .2 | .0    | .0 | .0  | .0 | .0                   | 1.4   | 17.4 |
| SSW         | .1                 | 1.3  | .6   | 7.1  | .1    | .8  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .7    | 9.4  |
| SW          | .1                 | 1.4  | .3   | 3.6  | .0    | .1  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .4    | 5.3  |
| WSW         | .1                 | .9   | .1   | 1.0  | .0    | .1  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .0 | .0                   | .2    | 2.1  |
| W           | .1                 | .9   | .1   | 1.3  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 2.5  |
| WNW         | .0                 | .5   | .1   | 1.1  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 1.8  |
| NW          | .1                 | .7   | .1   | 1.5  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 2.5  |
| NNW         | .1                 | .7   | .1   | 1.4  | .0    | .2  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 2.5  |
| CALM        | 1.7                | 21.7 |      |      |       |     |       |     |       |    |       |    |     |    |                      | 1.7   | 21.7 |
| TOTAL       | 3.3                | 41.4 | 4.0  | 51.3 | .4    | 4.6 | .1    | 1.9 | .1    | .6 | .0    | .1 | .0  | .0 | .0                   | 7.8   | 100  |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |                      |       | 5.5  |

## CEILING-VISIBILITY

### WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

PERIOD: 1948-1978

STATION NAME: CHA CHATTANOOGA, TN

CLASS 4 / DAY

NO. OBS.: 619

STATION NUMBER: 13882

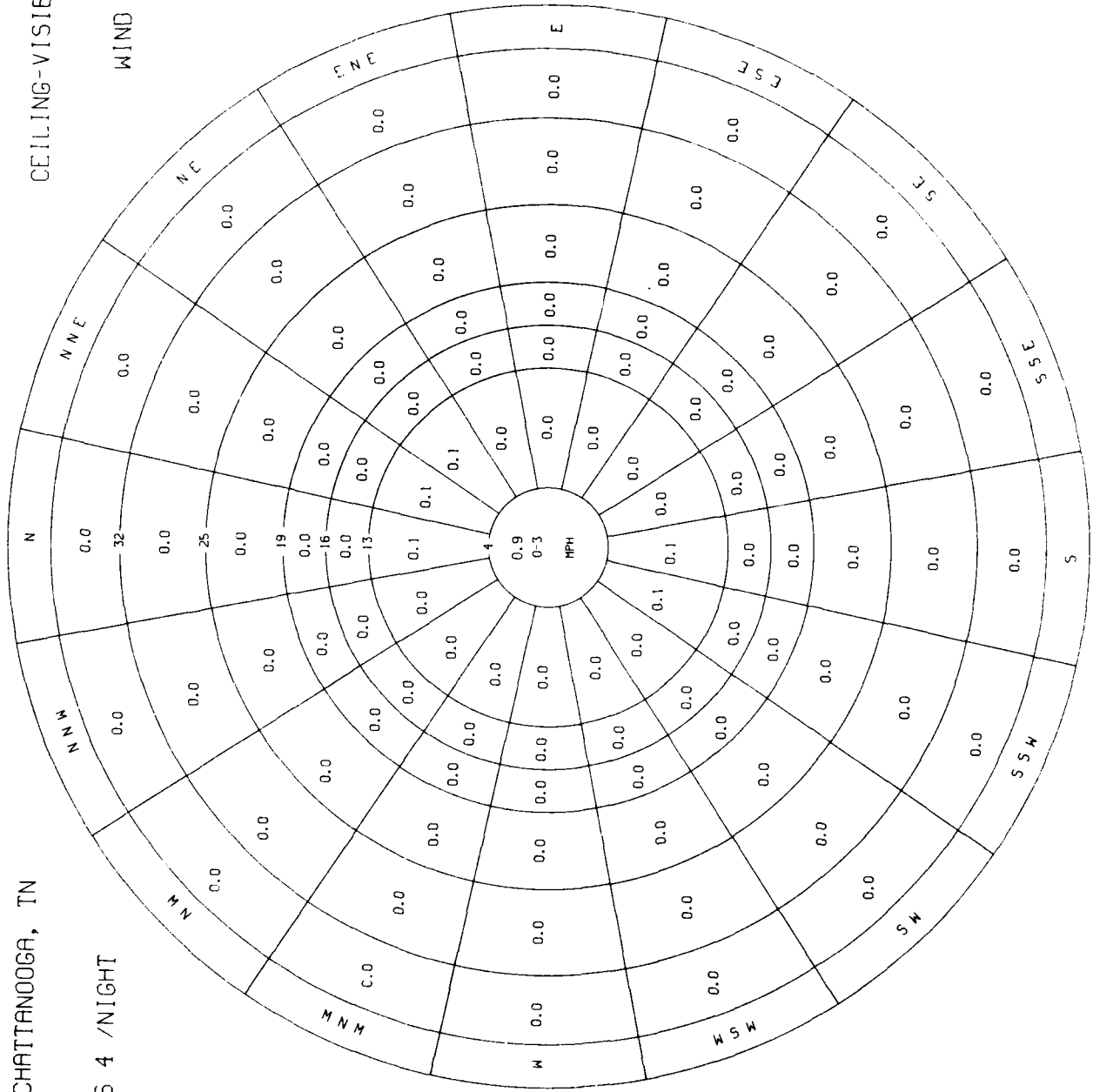
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .1                 | 4.4  | .1   | 4.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .2 | .1 8.9               |
| NNE         | .0                 | 2.4  | .0   | 3.9  | .0    | .2  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.6               |
| NE          | .0                 | 1.9  | .1   | 6.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 8.2               |
| ENE         | .0                 | 1.3  | .0   | 3.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.7               |
| E           | .0                 | 1.6  | .0   | 2.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.7               |
| ESE         | .0                 | 1.6  | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.4               |
| SE          | .0                 | 1.6  | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.4               |
| SSE         | .0                 | 1.0  | .0   | 1.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.9               |
| S           | .0                 | 3.2  | .0   | 2.9  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.3               |
| SSW         | .0                 | 1.0  | .0   | 3.6  | .0    | .2  | .0    | .0 | .0    | .2 | .0    | .0 | .0  | .0 | .1 4.8               |
| SW          | .0                 | 1.9  | .0   | 2.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 4.4               |
| WSW         | .0                 | 1.0  | .0   | .3   | .0    | .0  | .0    | .0 | .0    | .2 | .0    | .0 | .0  | .0 | .0 1.5               |
| W           | .0                 | 1.5  | .0   | 1.1  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.7               |
| WNW         | .0                 | 1.0  | .0   | .6   | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .2 | .0  | .0 | .0 1.9               |
| NW          | .0                 | 2.1  | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.9               |
| NNW         | .0                 | 2.3  | .0   | 1.0  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.4               |
| CALM        | .4                 | 32.1 |      |      |       |     |       |    |       |    |       |    |     |    | .4 32.1              |
| TOTAL       | .8                 | 61.9 | .5   | 36.3 | .0    | 1.0 | .0    | .2 | .0    | .3 | .0    | .2 | .0  | .2 | 1.3 100              |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 3.5                  |

CHA CHATTANOOGA, TN

CLASS 4 /NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1948-1978

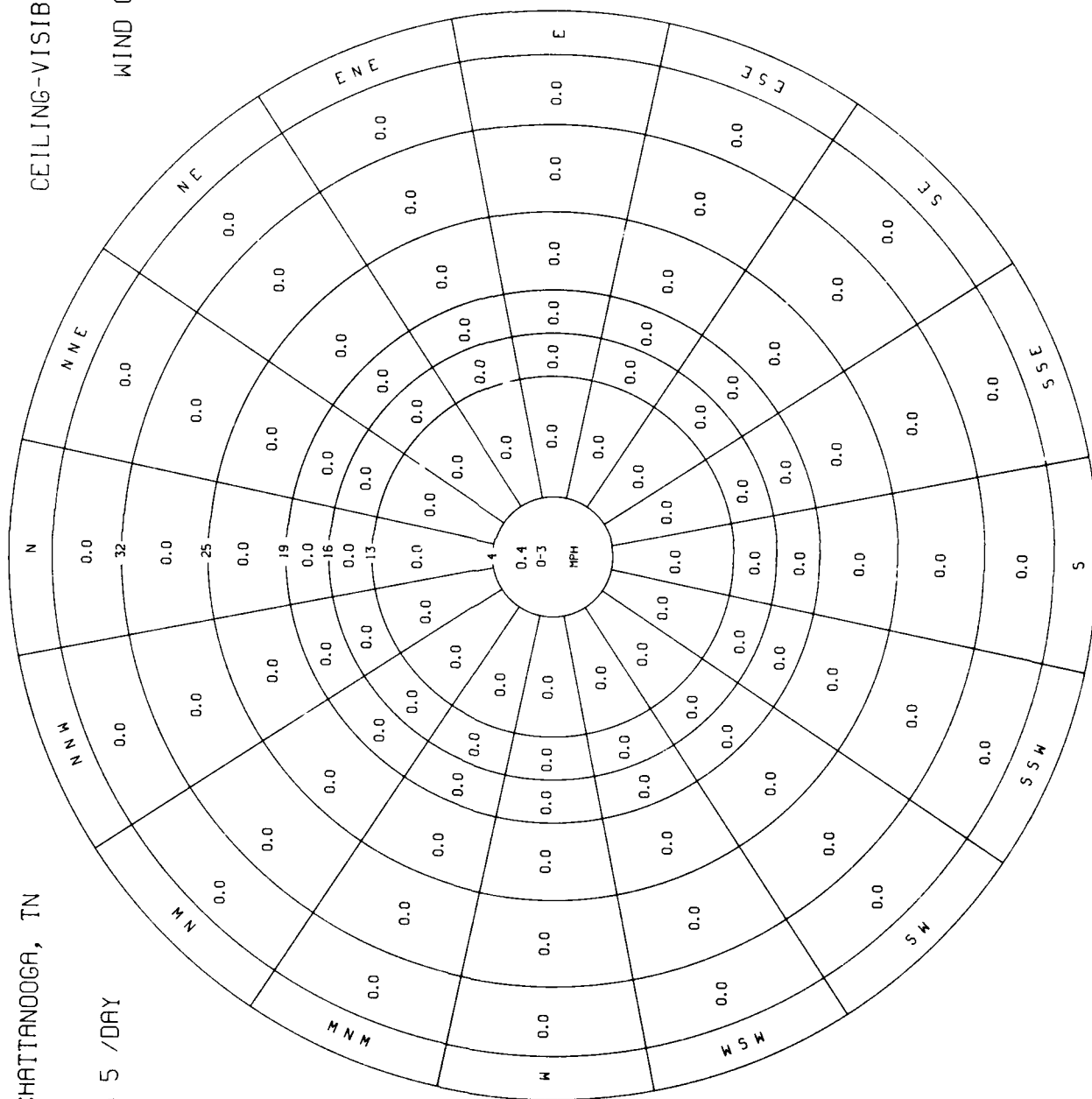
CLASS 4 / NIGHT

STATION NUMBER: 13882

NO. OBS.: 606

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .1                 | 3.6  | .1   | 4.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.8  | 4.6 |
| NNE         | .0                 | 1.2  | .1   | 3.6  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 5.0  | 5.8 |
| NE          | .0                 | 2.6  | .1   | 4.8  | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 7.6  | 5.1 |
| ENE         | .0                 | 1.7  | .0   | 1.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.3  | 4.5 |
| E           | .0                 | 1.2  | .0   | .7   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.8  | 3.7 |
| ESE         | .0                 | 1.0  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  | 2.8 |
| SE          | .0                 | .8   | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.7  | 3.9 |
| SSE         | .0                 | .7   | .0   | 1.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.8  | 5.1 |
| S           | .1                 | 3.8  | .1   | 6.8  | .0    | .3  | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 11.1 | 5.9 |
| SSW         | .0                 | 2.5  | .1   | 4.5  | .0    | .3  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | .1    | 7.4  | 6.7 |
| SW          | .0                 | 2.0  | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 3.8  | 3.9 |
| WSW         | .0                 | .8   | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.3  | 3.9 |
| W           | .0                 | 1.2  | .0   | .9   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.0  | 4.3 |
| WNW         | .0                 | .2   | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.0  | 5.7 |
| NW          | .0                 | 1.3  | .0   | 1.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.8  | 4.5 |
| NNW         | .0                 | .8   | .0   | 1.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.1  | 4.5 |
| CALM        | .6                 | 38.6 |      |      |       |     |       |    |       |    |       |    |     |    |                      | .6    | 38.6 |     |
| TOTAL       | .9                 | 63.9 | .5   | 34.8 | .0    | 1.0 | .0    | .2 | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 1.5   | 100  | 3.1 |

CHA CHATTANOOGA, TN  
 CLASS 5 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 13882

NO. OBS.: 216

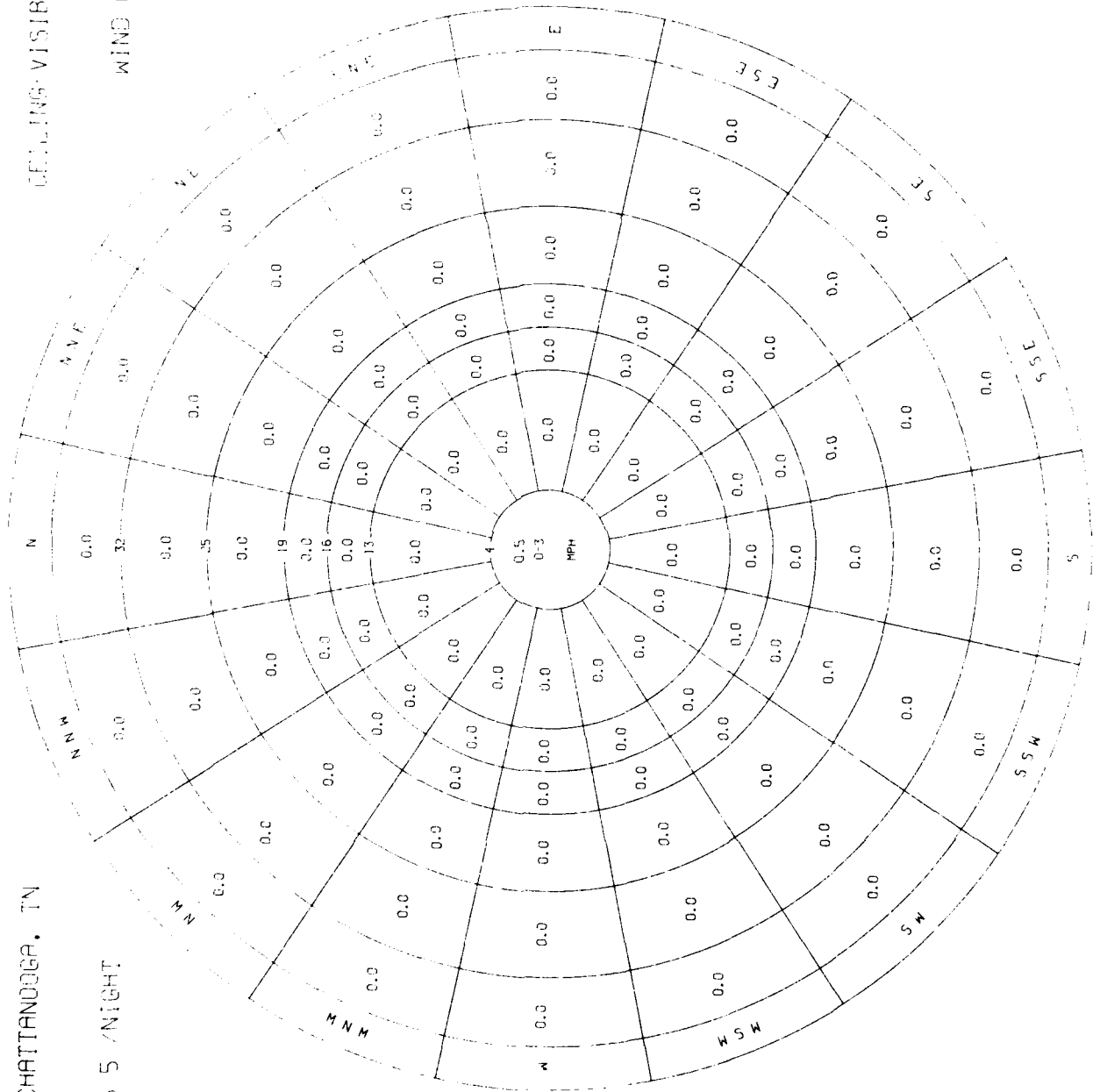
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |      |                      |
|             |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | C     | D    |                      |
| N           | .0                 | .9   | .0   | 2.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.7  | 4.5                  |
| NNE         | .0                 | 2.3  | .0   | 2.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 5.1  | 4.5                  |
| NE          | .0                 | 2.3  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.2  | 3.6                  |
| ENE         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0   | .0                   |
| E           | .0                 | .0   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .5   | 5.0                  |
| ESE         | .0                 | .9   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .9   | 3.0                  |
| SE          | .0                 | .9   | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.9  | 4.2                  |
| SSE         | .0                 | 1.4  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.4  | 2.3                  |
| S           | .0                 | 2.8  | .0   | 3.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 6.5  | 4.3                  |
| SSW         | .0                 | .5   | .0   | 1.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.9  | 5.7                  |
| SW          | .0                 | 1.4  | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 3.2  | 5.1                  |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0   | .0                   |
| W           | .0                 | .9   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .9   | 3.0                  |
| WNW         | .0                 | .9   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .9   | 3.0                  |
| NW          | .0                 | 1.4  | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 1.9  | 3.0                  |
| NNW         | .0                 | 1.4  | .0   | .9   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0    | 2.3  | 4.6                  |
| CALM        | .3                 | 65.7 |      |      |       |    |       |    |       |    |       |    |     |    | .3    | 65.7 |                      |
| TOTAL       | .4                 | 83.8 | .1   | 16.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .4    | 100  | 1.4                  |

CHA CHATTANOOGA, TN

CLASS 5 / NIGHT

CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: CHA CHATTANOOGA, TN

PERIOD: 1949-1978

CLASS 5 / NIGHT

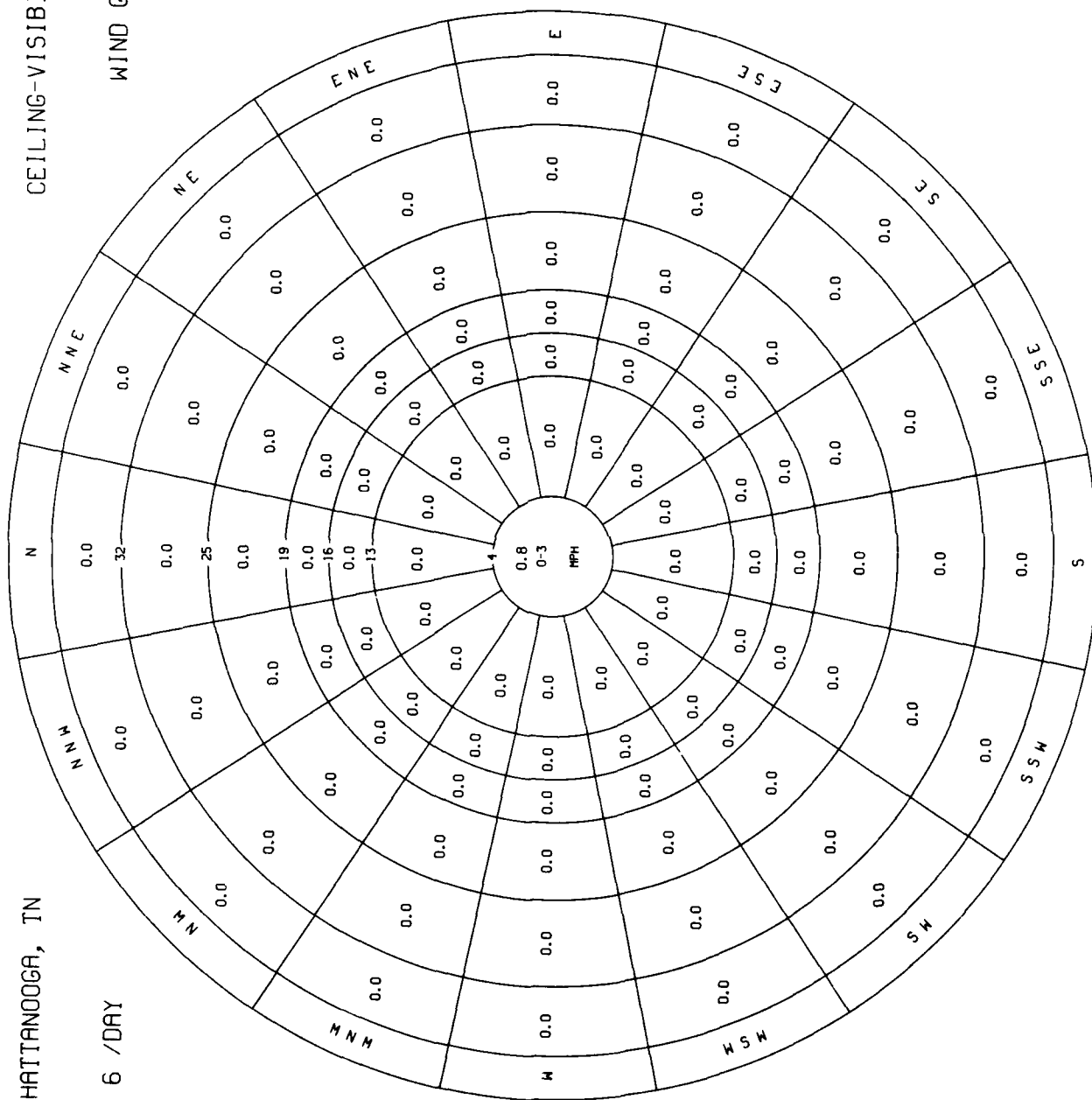
STATION NUMBER: 13632

NO. OBS.: 263

| DIRECTION | SPEED GROUPS (MPH) |   |      |   |       |   |       |   |       |   |       |   |     |   |       |   | AVG WIND SPEED |  |
|-----------|--------------------|---|------|---|-------|---|-------|---|-------|---|-------|---|-----|---|-------|---|----------------|--|
|           | 0-3                |   | 4-12 |   | 13-15 |   | 16-18 |   | 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 | 3.0            |  |
| NNE       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.0            |  |
| N E       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.3            |  |
| NNE       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.8            |  |
| ENE       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.0            |  |
| ESE       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 2.3            |  |
| E         | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.6            |  |
| ESE       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.5            |  |
| SE        | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 4.3            |  |
| SEW       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.9            |  |
| S         | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.8            |  |
| SSW       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 4.6            |  |
| S         | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 2.9            |  |
| SSW       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 2.9            |  |
| WSW       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 4.6            |  |
| W         | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 2.9            |  |
| WNW       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 2.9            |  |
| NW        | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 6.3            |  |
| NNW       | 0                  | 0 | 0    | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0     | 0 | 0   | 0 | 0     | 0 | 3.3            |  |
| CALM      | 4                  | 4 | 4    | 4 | 4     | 4 | 4     | 4 | 4     | 4 | 4     | 4 | 4   | 4 | 4     | 4 | 1.4            |  |
| TOTAL     | 5                  | 5 | 5    | 5 | 5     | 5 | 5     | 5 | 5     | 5 | 5     | 5 | 5   | 5 | 5     | 5 | 1.4            |  |

CEILING-VISIBILITY

WIND GRAPH



CHA CHATTANOOGA, TN

CLASS 6 /DAY

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

PERIOD: 1948-1978

STATION NAME: CHA CHATTANOOGA, TN

CLASS 6 / DAY

NO. OBS.: 433

STATION NUMBER: 13882

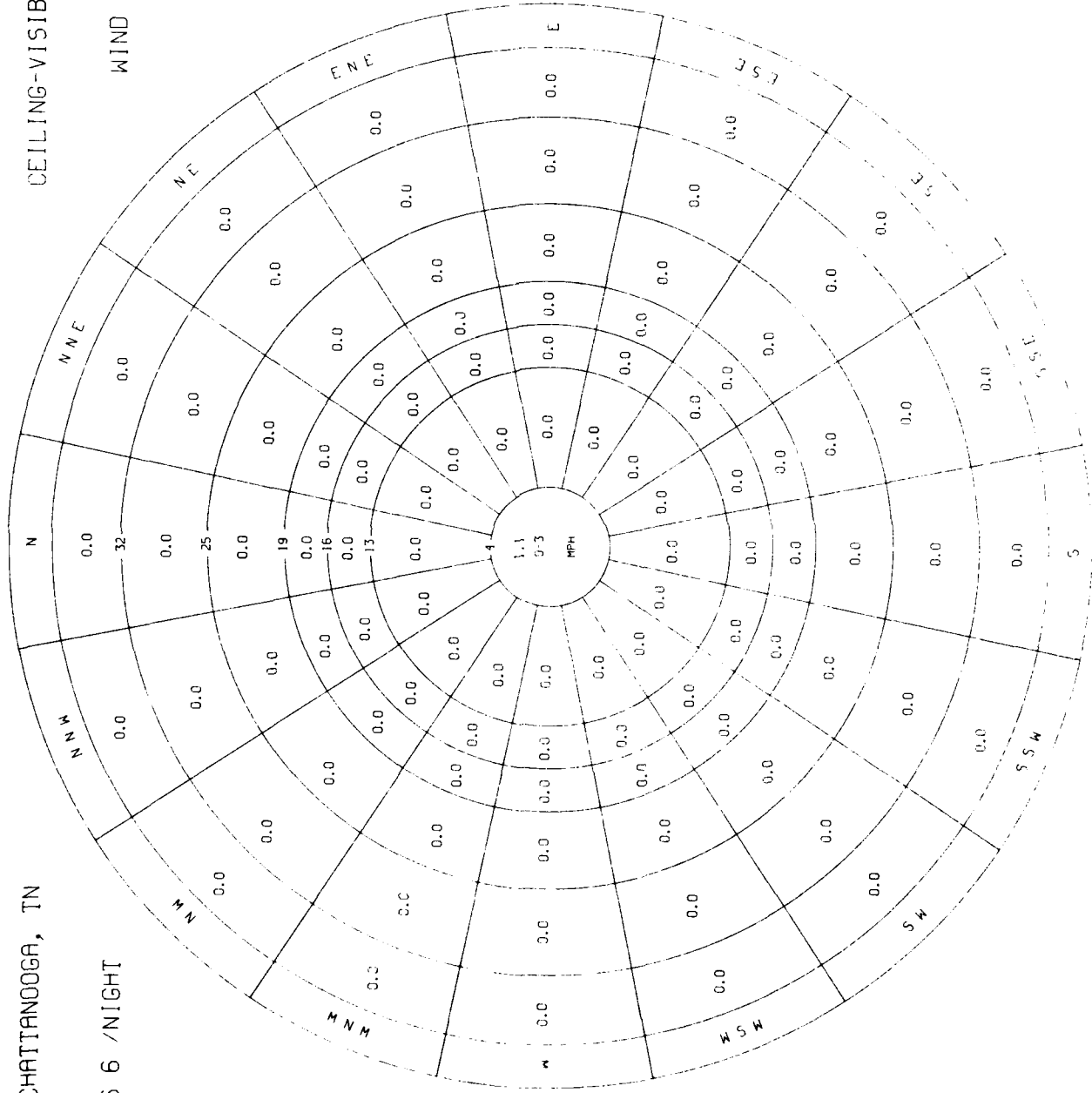
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |     |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|-----|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |     | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B   | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.3  | .0   | .7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| NNE         | .0                 | 2.5  | .0   | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| NE          | .0                 | 1.4  | .0   | .7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.1               |
| ENE         | .0                 | .2   | .0   | 1.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.4               |
| E           | .0                 | .7   | .0   | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .7                |
| ESE         | .0                 | .7   | .0   | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .7                |
| SE          | .0                 | .2   | .0   | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| SSE         | .0                 | 1.4  | .0   | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.3               |
| S           | .0                 | 2.1  | .0   | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| SSW         | .0                 | 2.1  | .0   | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.3               |
| SW          | .0                 | .5   | .0   | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .9                |
| WSW         | .0                 | 1.4  | .0   | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.8               |
| W           | .0                 | .7   | .0   | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .9                |
| WNW         | .0                 | .5   | .0   | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| NW          | .0                 | 1.2  | .0   | .9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.1               |
| NNW         | .0                 | 1.4  | .0   | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.8               |
| CALM        | .6                 | 73.0 |      |     |       |    |       |    |       |    |       |    |     |    | .6 73.0              |
| TOTAL       | .8                 | 92.1 | .1   | 7.9 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .9 100               |

CHA CHATTANOOGA, TN

CLASS 6 / NIGHT

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

PERIOD: 1948-1978

STATION NAME: CHA CHATTANOOGA, TN

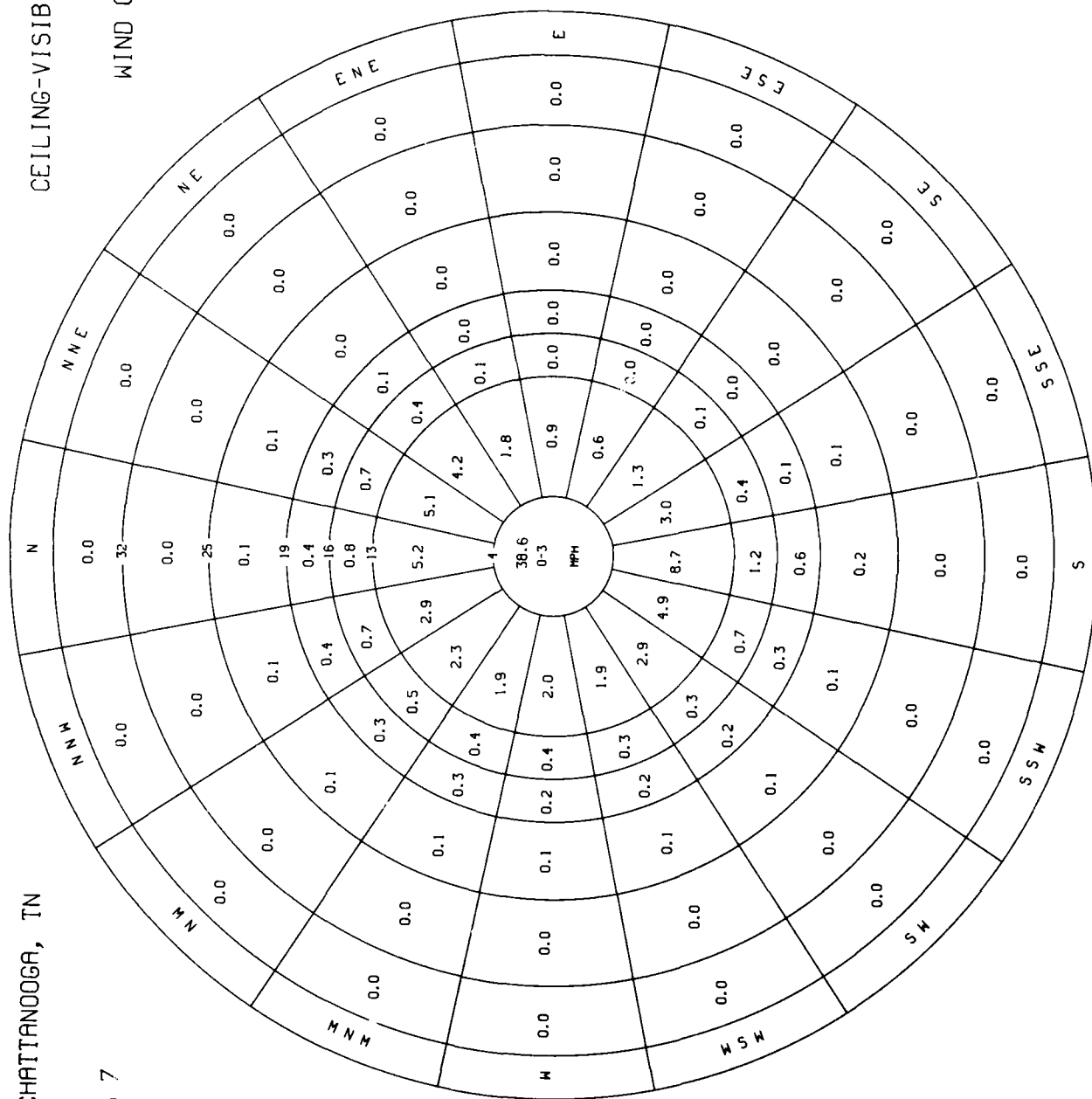
CLASS 6 / NIGHT

NO. OBS.: 485

STATION NUMBER: 13882

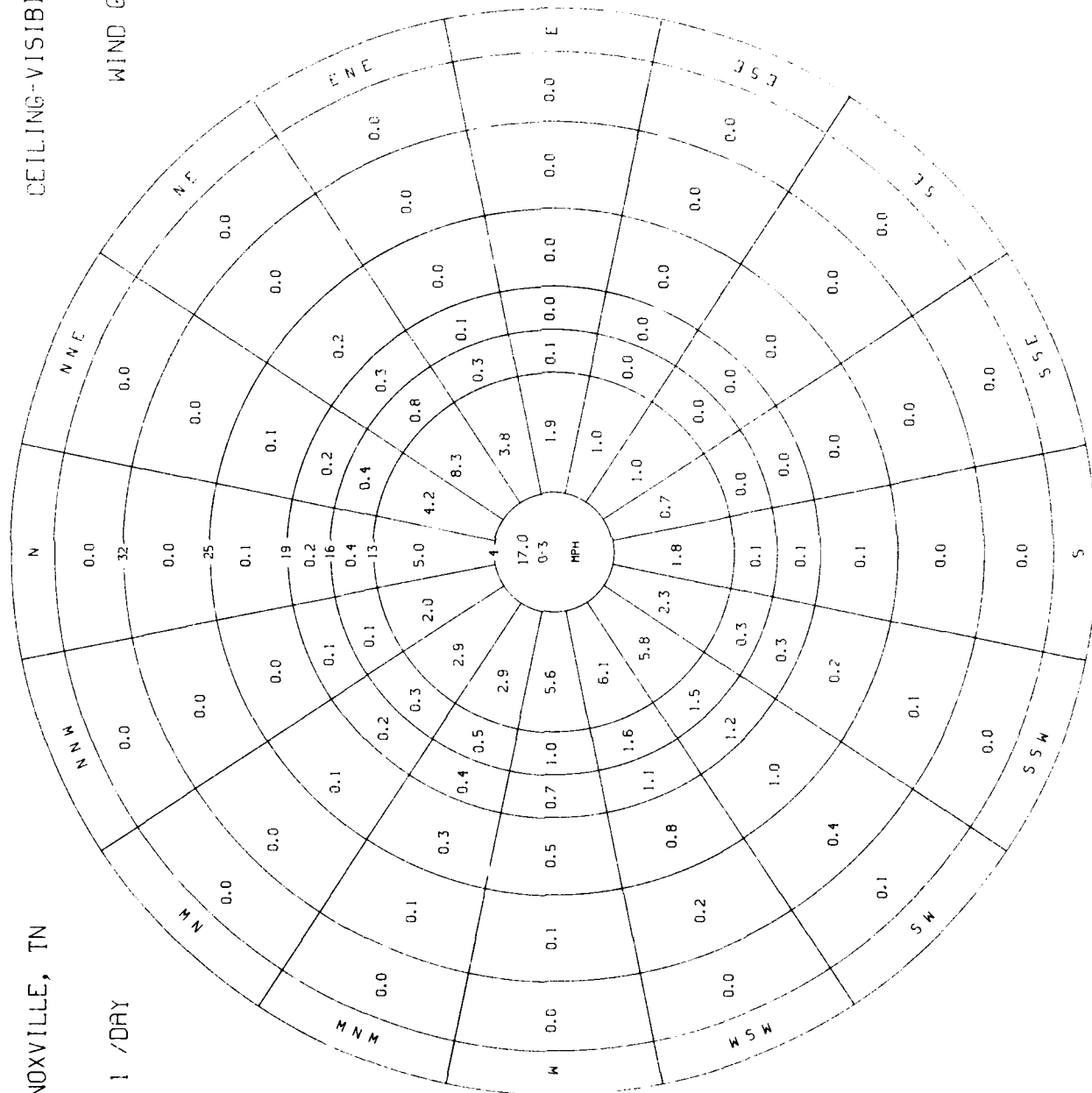
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |     |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|-----|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |     | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |     |
|             | A                  | B    | A    | B   | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C   |
| N           | .0                 | 1.4  | .0   | 1.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.5   | 3.7 |
| NNE         | .0                 | 2.7  | .0   | 1.0 | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.9   | 3.9 |
| NE          | .0                 | 2.9  | .0   | 1.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.9   | 3.4 |
| ENE         | .0                 | 1.9  | .0   | 1.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.1   | 3.7 |
| E           | .0                 | .6   | .0   | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .8    | 3.0 |
| ESE         | .0                 | .0   | .0   | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 5.0 |
| SE          | .0                 | .8   | .0   | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   | 3.7 |
| SSE         | .0                 | .8   | .0   | 1.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.9   | 4.1 |
| S           | .0                 | 2.1  | .0   | .8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.9   | 3.5 |
| SSW         | .0                 | .4   | .0   | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .6    | 3.7 |
| SW          | .0                 | .2   | .0   | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 3.0 |
| WSW         | .0                 | 1.0  | .0   | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   | 2.5 |
| W           | .0                 | .0   | .0   | .6  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .6    | 5.0 |
| WNW         | .0                 | .4   | .0   | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .4    | 2.5 |
| NW          | .0                 | .6   | .0   | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .6    | 2.3 |
| NNW         | .0                 | .6   | .0   | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.0   | 3.8 |
| CALM        | .9                 | 74.8 |      |     |       |    |       |    |       |    |       |    |     |    | .9                   | 74.8  |     |
| TOTAL       | 1.1                | 91.3 | .1   | 8.5 | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.2   | 100 |

CHA CHATTANOOGA, TN  
 CLASS 7  
 CEILING-VISIBILITY  
 WIND GRAPH



CEILING-VISIBILITY

WIND GRAPH



TYS KNOXVILLE, TN

CLASS 1 /DAY

PRECEDING PAGE BLANK-NOT FILLED

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13891

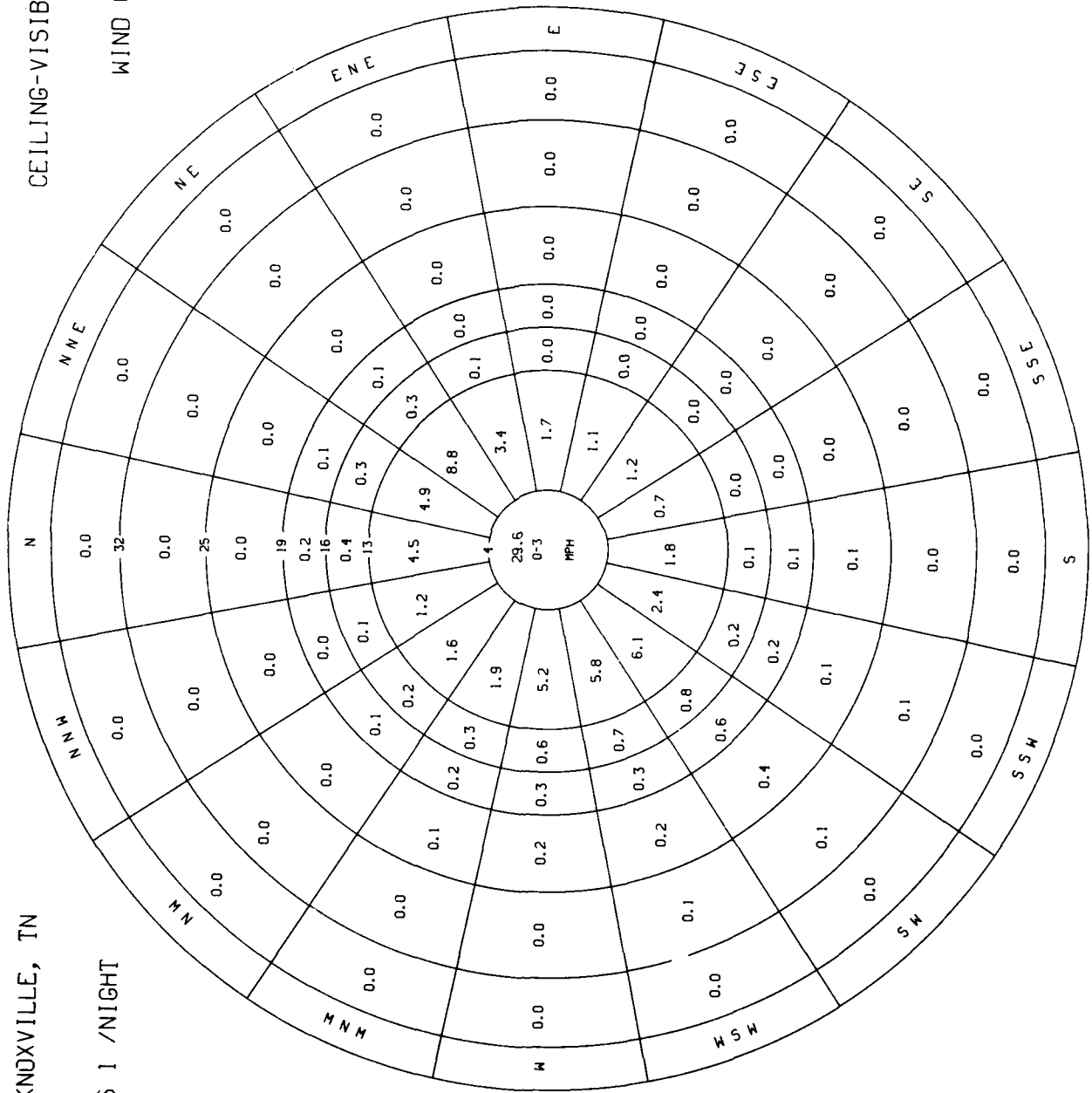
NO. OBS.: 44582

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |     |     |    |       |      |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|-----|-----|----|-------|------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |     | 32+ |    | TOTAL |      |      |                      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B   | A   | B  | C     | D    |      |                      |
| N           | .9                 | 1.0  | 5.0  | 5.6  | .4    | .5  | .2    | .2  | .1    | .1  | .0    | .0  | .0  | .0 | 6.5   | 7.3  | 7.7  |                      |
| NNE         | .6                 | .7   | 4.2  | 4.7  | .4    | .5  | .2    | .2  | .1    | .1  | .0    | .0  | .0  | .0 | 5.4   | 6.1  | 7.9  |                      |
| NE          | 1.5                | 1.7  | 8.3  | 9.3  | .8    | .9  | .3    | .4  | .2    | .2  | .0    | .0  | .0  | .0 | 11.1  | 12.5 | 7.8  |                      |
| ENE         | .7                 | .8   | 3.8  | 4.2  | .3    | .3  | .1    | .1  | .0    | .0  | .0    | .0  | .0  | .0 | 4.9   | 5.5  | 7.4  |                      |
| E           | .7                 | .8   | 1.9  | 2.1  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | 2.7   | 3.0  | 6.0  |                      |
| ESE         | .4                 | .4   | 1.0  | 1.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | 1.4   | 1.6  | 5.9  |                      |
| SE          | .5                 | .6   | 1.0  | 1.1  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | 1.6   | 1.8  | 5.6  |                      |
| SSE         | .3                 | .3   | .7   | .8   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0  | .0  | .0 | 1.0   | 1.1  | 6.5  |                      |
| S           | .6                 | .7   | 1.8  | 2.0  | .1    | .2  | .1    | .1  | .1    | .1  | .0    | .0  | .0  | .0 | 2.7   | 3.1  | 7.7  |                      |
| SSW         | .4                 | .4   | 2.3  | 2.6  | .3    | .4  | .3    | .3  | .2    | .2  | .1    | .1  | .0  | .0 | 3.6   | 4.0  | 9.8  |                      |
| SW          | .9                 | 1.0  | 5.8  | 6.5  | 1.5   | 1.7 | 1.2   | 1.4 | 1.0   | 1.1 | .4    | .4  | .1  | .1 | 10.9  | 12.2 | 11.7 |                      |
| WSW         | .5                 | .6   | 6.1  | 6.9  | 1.6   | 1.8 | 1.1   | 1.3 | .8    | .9  | .2    | .2  | .0  | .0 | 10.4  | 11.7 | 11.2 |                      |
| W           | .9                 | 1.0  | 5.6  | 6.3  | 1.0   | 1.2 | .7    | .8  | .5    | .5  | .1    | .1  | .0  | .0 | 8.9   | 10.0 | 10.0 |                      |
| WNW         | .4                 | .4   | 2.9  | 3.3  | .5    | .5  | .4    | .4  | .3    | .3  | .1    | .1  | .0  | .0 | 4.5   | 5.0  | 9.9  |                      |
| NW          | .7                 | .8   | 2.9  | 3.2  | .3    | .3  | .2    | .2  | .1    | .1  | .0    | .0  | .0  | .0 | 4.2   | 4.7  | 7.9  |                      |
| NNW         | .4                 | .4   | 2.0  | 2.3  | .1    | .1  | .1    | .1  | .0    | .0  | .0    | .0  | .0  | .0 | 2.6   | 2.9  | 7.1  |                      |
| CALM        | 6.7                | 7.6  |      |      |       |     |       |     |       |     |       |     |     |    | 6.7   | 7.6  |      |                      |
| TOTAL       | 17.0               | 19.1 | 55.2 | 61.9 | 7.6   | 8.5 | 4.9   | 5.5 | 3.3   | 3.7 | .9    | 1.0 | .2  | .2 | 89.2  | 100  | 8.3  |                      |



TYS KNOXVILLE, TN

CLASS 1 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

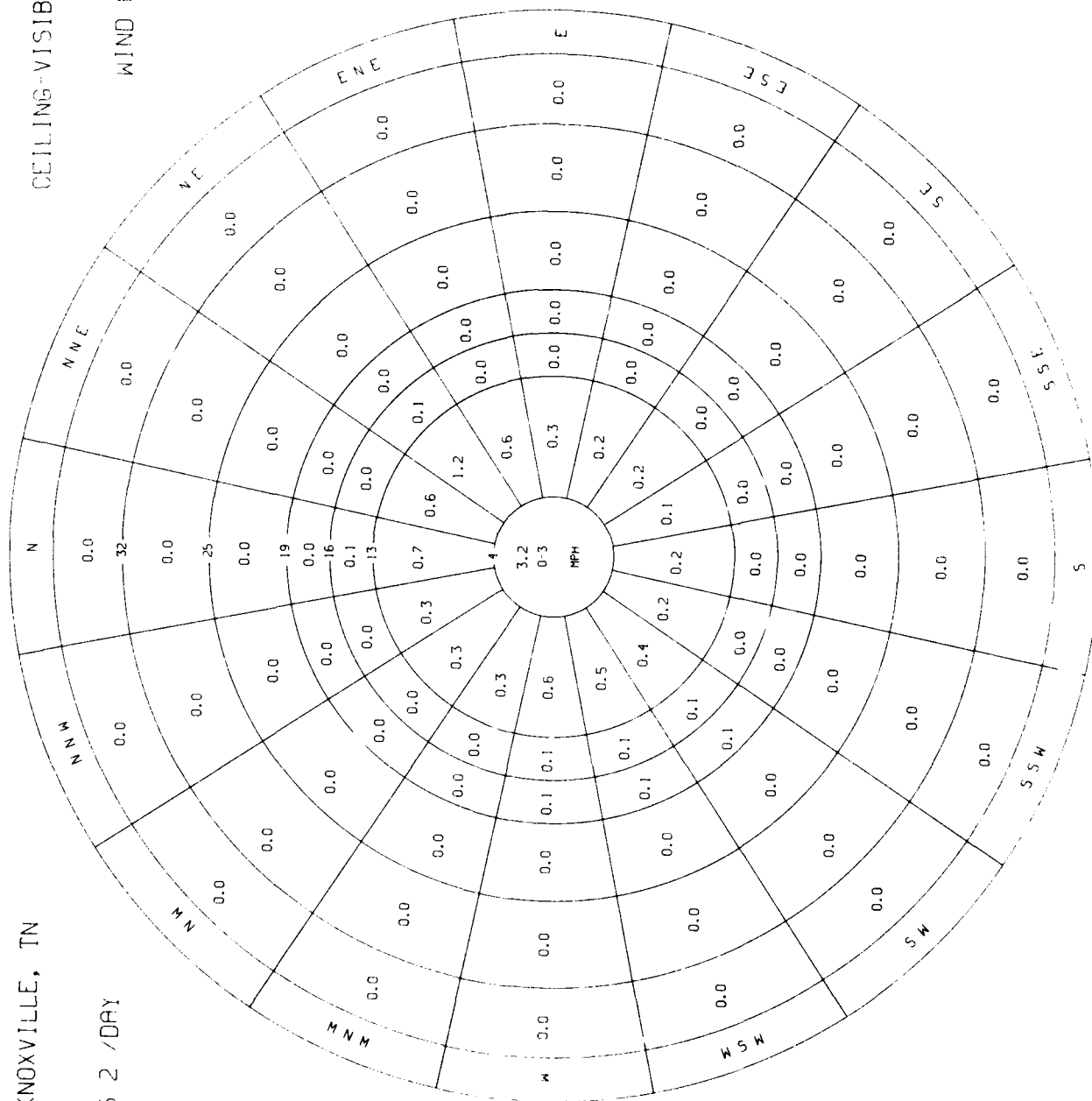
CLASS 1 / NIGHT

STATION NUMBER: 13891

NO. OBS.: 36421

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D   |
| N           | .9                 | 1.0  | 4.5  | 5.0  | .4    | .4  | .2    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | 6.0   | 6.6                  | 7.5 |
| NNE         | .7                 | .8   | 4.9  | 5.5  | .3    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 6.1   | 6.8                  | 7.5 |
| NE          | 2.4                | 2.7  | 8.8  | 9.8  | .3    | .3  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 11.7  | 13.0                 | 6.5 |
| ENE         | 1.1                | 1.2  | 3.4  | 3.8  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 4.6   | 5.2                  | 5.7 |
| E           | 1.3                | 1.5  | 1.7  | 1.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.1   | 3.4                  | 4.6 |
| ESE         | .7                 | .8   | 1.1  | 1.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.8   | 2.0                  | 4.7 |
| SE          | 1.1                | 1.2  | 1.2  | 1.4  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.3   | 2.6                  | 4.6 |
| SSE         | .5                 | .6   | .7   | .8   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.3   | 1.5                  | 5.3 |
| S           | 1.2                | 1.3  | 1.8  | 2.0  | .1    | .1  | .1    | .1  | .1    | .1  | .0    | .0 | .0  | .0 | 3.3   | 3.7                  | 6.3 |
| SSW         | .6                 | .7   | 2.4  | 2.6  | .2    | .2  | .2    | .2  | .1    | .1  | .1    | .1 | .0  | .0 | 3.5   | 3.9                  | 8.0 |
| SW          | 1.5                | 1.7  | 6.1  | 6.8  | .8    | .9  | .6    | .6  | .4    | .5  | .1    | .2 | .0  | .0 | 9.6   | 10.7                 | 9.0 |
| WSW         | .7                 | .8   | 5.8  | 6.4  | .7    | .7  | .3    | .4  | .2    | .2  | .1    | .1 | .0  | .0 | 7.7   | 8.6                  | 8.5 |
| W           | .7                 | .8   | 5.2  | 5.7  | .6    | .6  | .3    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | 7.0   | 7.8                  | 8.6 |
| WNW         | .3                 | .3   | 1.9  | 2.1  | .3    | .4  | .2    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 2.9   | 3.2                  | 9.6 |
| NW          | .5                 | .5   | 1.6  | 1.8  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.4   | 2.6                  | 7.4 |
| NNW         | .4                 | .4   | 1.2  | 1.3  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.7   | 1.9                  | 6.4 |
| CALM        | 14.9               | 16.6 |      |      |       |     |       |     |       |     |       |    |     |    | 14.9  | 16.6                 |     |
| TOTAL       | 29.6               | 33.0 | 52.1 | 58.0 | 4.1   | 4.5 | 2.2   | 2.5 | 1.3   | 1.5 | .4    | .4 | .1  | .1 | 89.8  | 100                  | 6.1 |

TYS KNOXVILLE, TN  
 CLASS 2 /DAY  
 CEILING-VISIBILITY  
 WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: T.S. KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 2 / DAY

STATION NUMBER: 13891

NO. OBS.: 5409

| DIR   | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|------|----------------------|
|       | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |      |                      |
|       | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     | D    |                      |
| N     | .1                 | 1.3  | .7   | 6.3  | .5    | .3  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .9    | 8.5  | 7.4                  |
| NNE   | .1                 | .8   | .6   | 5.8  | .0    | .4  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .8    | 7.2  | 7.3                  |
| NE    | .3                 | 2.3  | 1.2  | 11.3 | .1    | .8  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | 1.6   | 14.8 | 7.3                  |
| ENE   | .2                 | 1.4  | .6   | 5.5  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .8    | 7.2  | 6.5                  |
| E     | .1                 | .1   | .3   | 2.5  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.7  | 5.5                  |
| ESE   | .1                 | .7   | .2   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.3  | 5.4                  |
| SE    | .1                 | 1.0  | .2   | 1.5  | .0    | .1  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.7  | 5.4                  |
| SSE   | .0                 | .3   | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.0  | 5.5                  |
| S     | .1                 | 1.0  | .2   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.6  | 5.3                  |
| SSW   | .0                 | .4   | .2   | 1.9  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .7    | 6.3  | 7.8                  |
| SW    | .1                 | .8   | .4   | 3.8  | .1    | .6  | .1    | .6  | .0    | .4  | .0    | .1 | .0  | .1 | .8    | 7.0  | 10.0                 |
| WSW   | .1                 | .5   | .5   | 4.7  | .1    | .8  | .1    | .9  | .0    | .3  | .0    | .1 | .0  | .0 | .8    | 7.5  | 9.1                  |
| W     | .1                 | .5   | .6   | 5.5  | .1    | .7  | .1    | .5  | .0    | .2  | .0    | .1 | .0  | .0 | .4    | 3.9  | 9.2                  |
| WNW   | .1                 | .6   | .3   | 2.5  | .0    | .3  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .1 | .4    | 4.0  | 7.6                  |
| NW    | .1                 | 1.0  | .2   | 2.5  | .0    | .2  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .4    | 4.0  | 6.8                  |
| NNW   | .1                 | .7   | .3   | 2.3  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.2  | 6.4                  |
| CALM  | .7                 | 15.7 |      |      |       |     |       |     |       |     |       |    |     |    | 1.7   | 15.7 |                      |
| TOTAL | 3.2                | 30.0 | 6.1  | 52.3 | 5     | 4.8 | 3     | 3.1 | 2     | 1.5 | 0     | .4 | 0   | .2 | 10.8  | 100  |                      |

AD-A108 159

NATIONAL CLIMATIC CENTER ASHEVILLE NC

F/G 4/2

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

JUN 81

DOT-FA79WAI-057

NL

UNCLASSIFIED

5 x 5

5 x 5



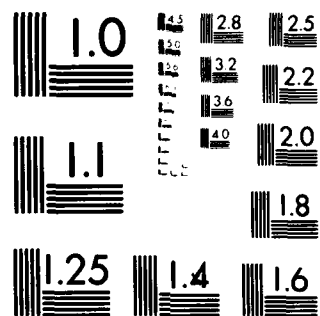
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DATE

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1-82

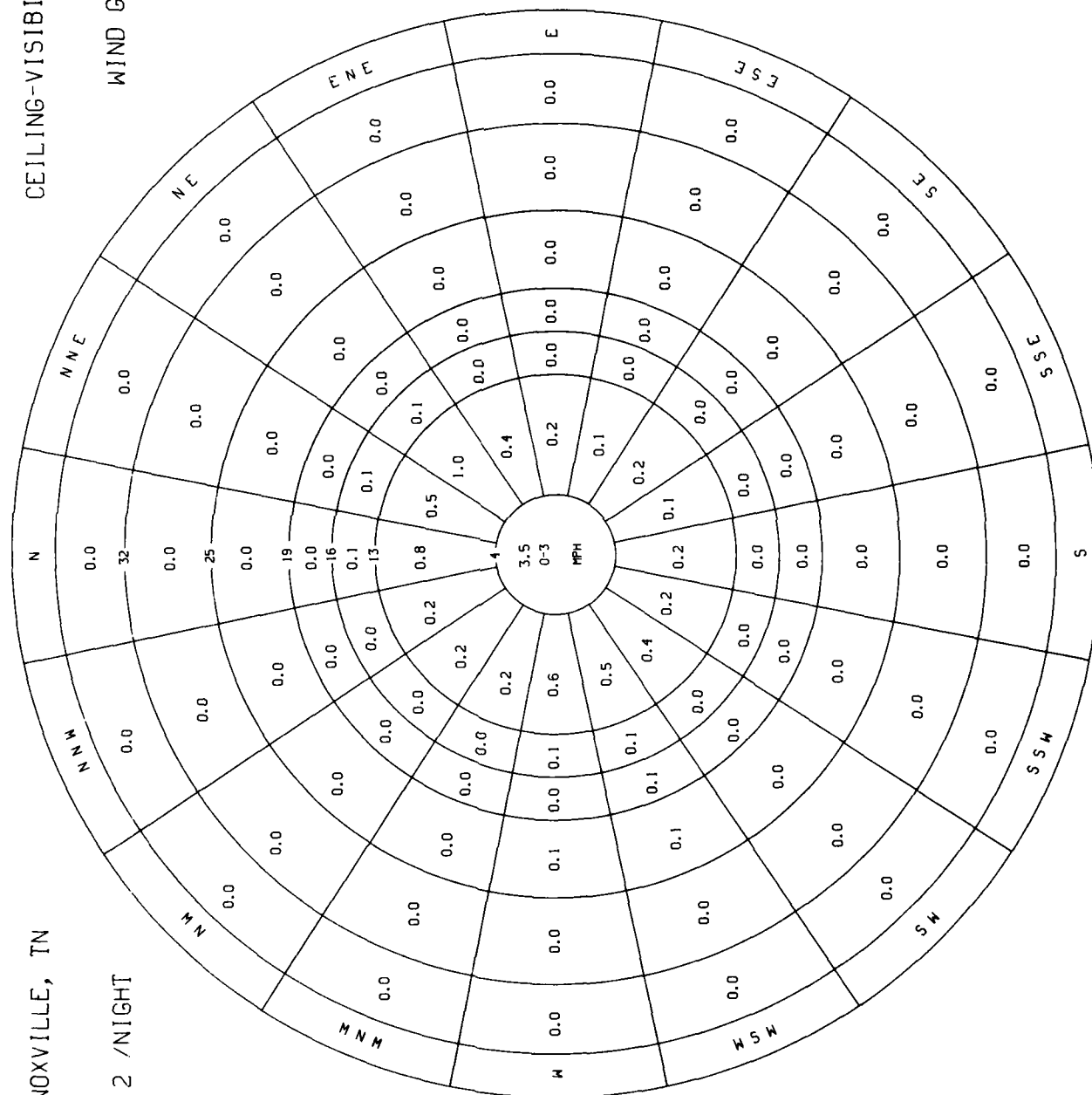
DTIC



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

TYS KNOXVILLE, TN

CLASS 2 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 2 / NIGHT

STATION NUMBER: 13891

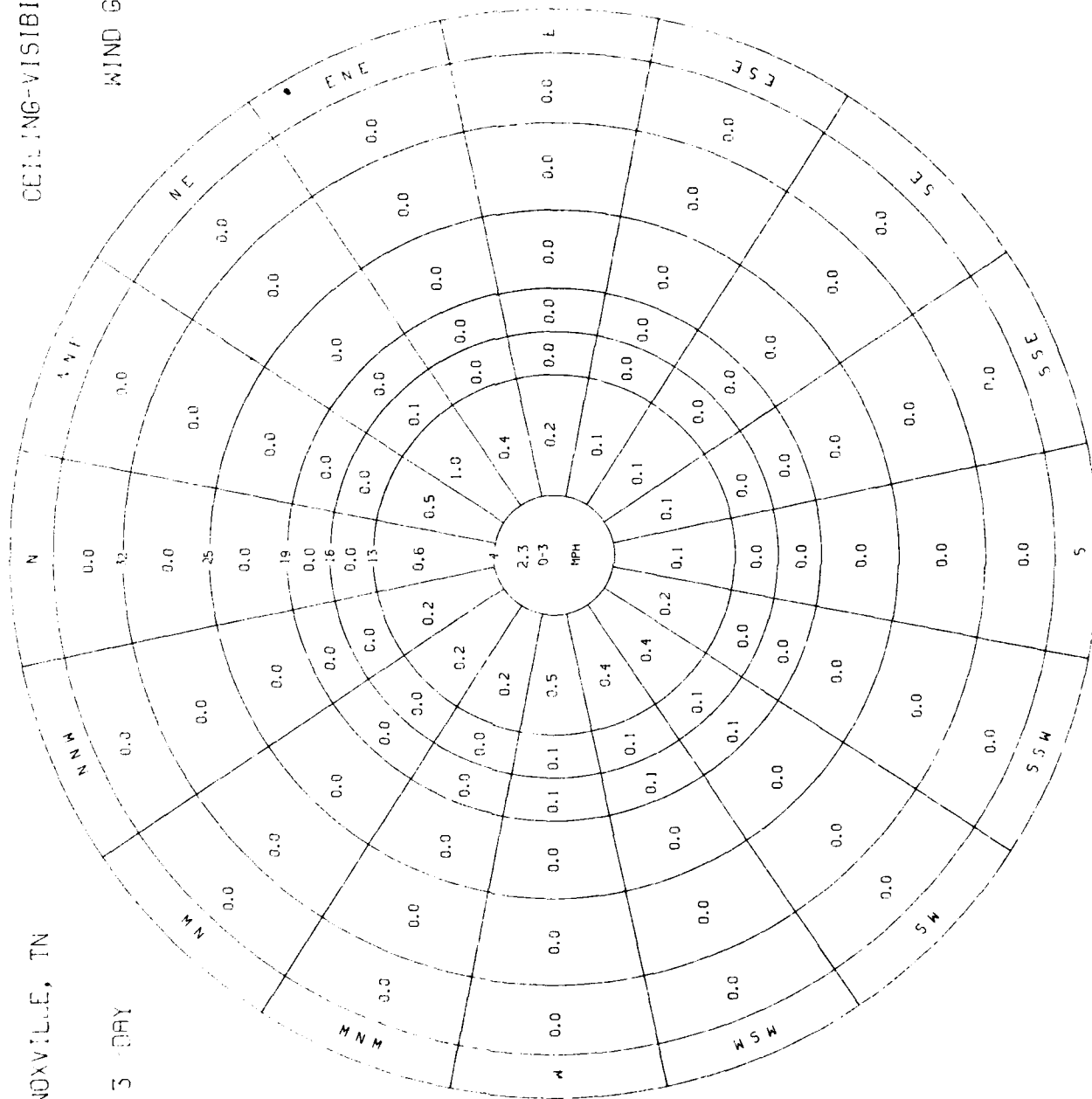
NO. OBS.: 4130

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |     |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D   |
| N           | .2                 | 1.5  | .8   | 7.4  | .1    | .8  | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | 1.0   | 10.2                 | 7.9 |
| NNE         | .1                 | .9   | .5   | 5.1  | .1    | .7  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .7    | 7.1                  | 7.9 |
| NE          | .3                 | 3.3  | 1.0  | 9.5  | .1    | .5  | .1    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | 1.4   | 13.7                 | 6.6 |
| ENE         | .1                 | 1.4  | .4   | 4.1  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .6    | 5.7                  | 6.0 |
| E           | .2                 | 1.7  | .2   | 1.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 3.6                  | 4.6 |
| ESE         | .1                 | .7   | .1   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.0                  | 5.2 |
| SE          | .1                 | 1.2  | .2   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.7                  | 4.6 |
| SSE         | .0                 | .5   | .1   | .8   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.3                  | 5.2 |
| S           | .1                 | 1.0  | .2   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.8                  | 5.5 |
| SSW         | .1                 | .5   | .2   | 1.5  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.1                  | 5.7 |
| SW          | .1                 | 1.1  | .4   | 4.0  | .0    | .5  | .0    | .4  | .0    | .4  | .0    | .0 | .0  | .0 | .7    | 6.5                  | 9.0 |
| WSW         | .1                 | .7   | .5   | 5.1  | .1    | .7  | .1    | .5  | .1    | .5  | .0    | .0 | .0  | .0 | .8    | 7.5                  | 9.7 |
| W           | .1                 | .6   | .6   | 5.4  | .1    | .7  | .0    | .4  | .1    | .5  | .0    | .2 | .0  | .0 | .8    | 7.8                  | 9.9 |
| WNW         | .0                 | .5   | .2   | 2.2  | .0    | .3  | .0    | .3  | .0    | .1  | .0    | .1 | .0  | .0 | .4    | 3.6                  | 9.7 |
| NW          | .1                 | .8   | .2   | 2.2  | .0    | .2  | .0    | .2  | .0    | .0  | .0    | .1 | .0  | .0 | .4    | 3.5                  | 7.7 |
| NNW         | .0                 | .5   | .2   | 1.6  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.4                  | 7.4 |
| CALM        | 1.8                | 17.5 |      |      |       |     |       |     |       |     |       |    |     |    | 1.8   | 17.5                 |     |
| TOTAL       | 3.5                | 34.5 | 5.6  | 55.3 | .5    | 4.7 | .3    | 2.7 | .2    | 2.2 | .0    | .5 | .0  | .1 | 10.2  | 100                  | 6.2 |



CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: FIVE KNOWNVILLE, TN

PERIOD: 1948-1978

CLASS 3 / DAY

STATION NUMBER: 1389

NO. OBS.: 4276

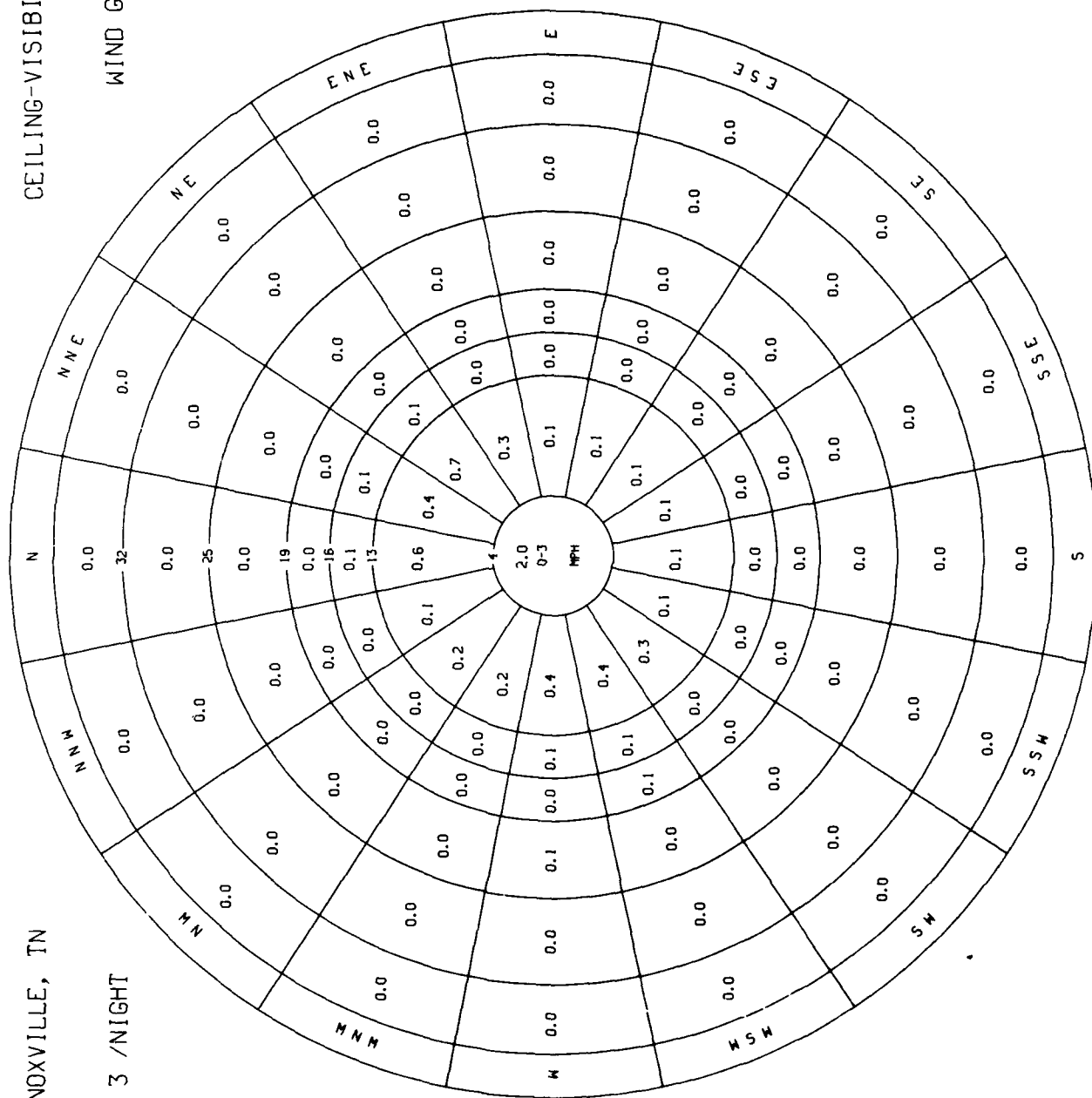
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       |      |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |      |      |                      |
|             | F                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     | D    |      |                      |
| N           | .1                 | .4   | .6   | 6.9  | .3    | .5  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .8    | 9.1  | 7.6  |                      |
| NNE         | .1                 | .8   | .5   | 6.0  | .0    | .4  | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 7.5  | 7.6  |                      |
| NNE         | .2                 | 1.9  | 1.0  | 1.3  | .1    | .8  | .0    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | 1.2   | 14.5 | 7.6  |                      |
| NNE         | .1                 | 1.1  | .4   | 5.1  | .0    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5    | 6.3  | 7.0  |                      |
| E           | .1                 | .0   | .2   | 2.5  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 3.6  | 5.6  |                      |
| ESE         | .7                 | .9   | .1   | 1.3  | .3    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.2  | 5.5  |                      |
| ESE         | .1                 | .9   | .1   | 1.4  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.5  | 5.7  |                      |
| ESE         | .3                 | .3   | .1   | .6   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | .9   | 5.5  |                      |
| ESE         | .1                 | .1   | .1   | 1.5  | .1    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.5  | 5.5  |                      |
| SE          | .3                 | .3   | .2   | 2.0  | .2    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.7  | 8.0  |                      |
| SEW         | .1                 | .7   | .4   | 3.1  | .1    | .7  | .1    | .7  | .0    | .5  | .0    | .1 | .0  | .1 | .6    | 6.9  | 10.6 |                      |
| SEW         | .1                 | .5   | .4   | 3.1  | .1    | 1.2 | .1    | .7  | .0    | .4  | .0    | .1 | .0  | .0 | .7    | 7.9  | 10.5 |                      |
| W           | .1                 | .5   | .5   | 6.0  | .1    | .2  | .1    | .6  | .0    | .3  | .0    | .1 | .0  | .0 | .7    | 8.3  | 9.4  |                      |
| WNW         | .1                 | .9   | .2   | 2.6  | .2    | .4  | .1    | .3  | .0    | .1  | .0    | .1 | .0  | .1 | .4    | 4.2  | 9.6  |                      |
| WNW         | .1                 | .9   | .2   | 2.7  | .2    | .3  | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .4    | 4.3  | 7.7  |                      |
| NNW         | .1                 | .7   | .2   | 2.3  | .1    | .2  | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 3.3  | 6.7  |                      |
| NNW         | .2                 | .3   | .1   | .1   | .1    | .1  | .1    | .1  | .1    | .1  | .1    | .1 | .1  | .1 | 1.2   | 13.4 | 6.9  |                      |
| TOTAL       | 5.3                | 25.6 | 5.3  | 61.6 | 5.5   | 5.6 | 3.3   | 3.7 | 2.2   | 1.9 | .0    | .4 | .0  | .2 | 8.6   | 100  | 6.9  |                      |

CEILING-VISIBILITY

WIND GRAPH

TYS KNOXVILLE, TN

CLASS 3 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 3 / NIGHT

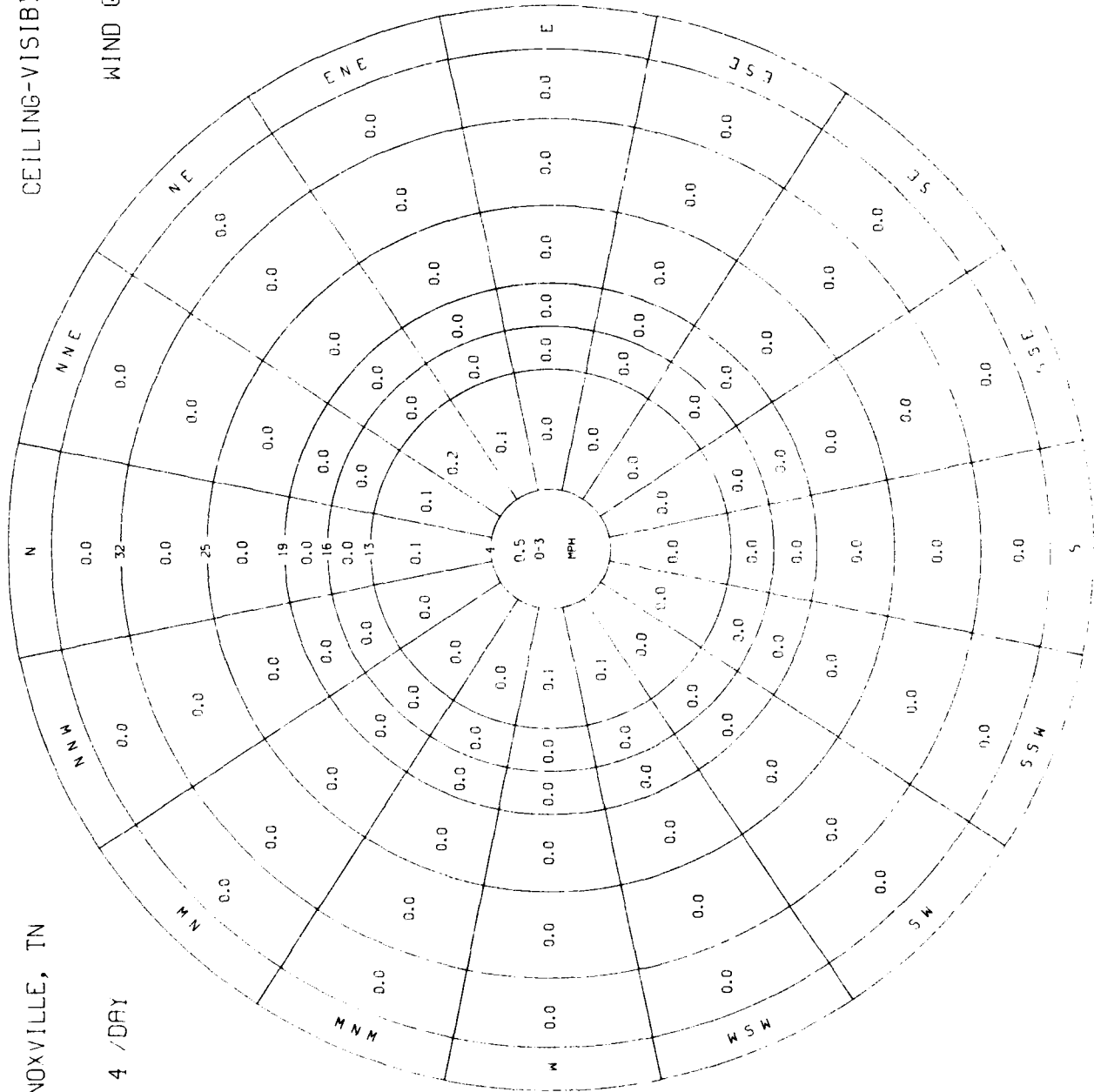
STATION NUMBER: 13891

NO. OBS.: 2938

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |                      |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     |                      | D    |
| N           | .1                 | 1.4  | .6   | 8.5  | .1    | 1.1 | .0    | .3  | .0    | .3  | .0    | .0 | .0  | .0 | .8    | 11.6                 | 8.4  |
| NNE         | .0                 | .7   | .4   | 6.2  | .1    | .9  | .0    | .4  | .0    | .1  | .0    | .0 | .0  | .0 | .6    | 8.3                  | 8.4  |
| NE          | .2                 | 3.0  | .7   | 9.9  | .1    | .7  | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | 1.0   | 14.0                 | 6.9  |
| ENE         | .1                 | .9   | .3   | 3.5  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 4.5                  | 6.4  |
| E           | .1                 | 1.4  | .1   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 3.1                  | 4.6  |
| ESE         | .0                 | .6   | .1   | 1.0  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.7                  | 5.4  |
| SE          | .1                 | .8   | .1   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.3                  | 5.0  |
| SSE         | .0                 | .3   | .1   | .7   | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.1                  | 5.3  |
| S           | .1                 | .8   | .1   | 1.7  | .0    | .0  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.6                  | 6.1  |
| SSW         | .0                 | .4   | .1   | 1.4  | .0    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1    | 1.9                  | 6.0  |
| SW          | .1                 | 1.0  | .3   | 4.4  | .0    | .6  | .0    | .5  | .0    | .5  | .0    | .1 | .0  | .0 | .5    | 7.1                  | 9.8  |
| WSW         | .0                 | .7   | .4   | 5.7  | .1    | .9  | .1    | .7  | .0    | .7  | .0    | .1 | .0  | .0 | .6    | 8.7                  | 10.3 |
| W           | .0                 | .7   | .4   | 6.2  | .1    | .9  | .0    | .4  | .1    | .7  | .0    | .2 | .0  | .0 | .7    | 9.1                  | 10.3 |
| WNW         | .0                 | .3   | .2   | 2.3  | .0    | .4  | .0    | .4  | .0    | .2  | .0    | .1 | .0  | .0 | .3    | 3.8                  | 10.8 |
| NW          | .1                 | .8   | .2   | 2.7  | .0    | .3  | .0    | .2  | .0    | .1  | .0    | .1 | .0  | .0 | .3    | 4.1                  | 8.1  |
| NNW         | .0                 | .4   | .1   | 1.8  | .0    | .1  | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .2    | 2.5                  | 7.9  |
| CALM        | 1.0                | 13.4 |      |      |       |     |       |     |       |     |       |    |     |    | 1.0   | 13.4                 |      |
| TOTAL       | 2.0                | 27.6 | 4.3  | 59.1 | .5    | 6.3 | .3    | 3.5 | .2    | 2.9 | .0    | .5 | .0  | .1 | 7.2   | 100                  | 7.1  |

TYS KNOXVILLE, TN

CLASS 4 / DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

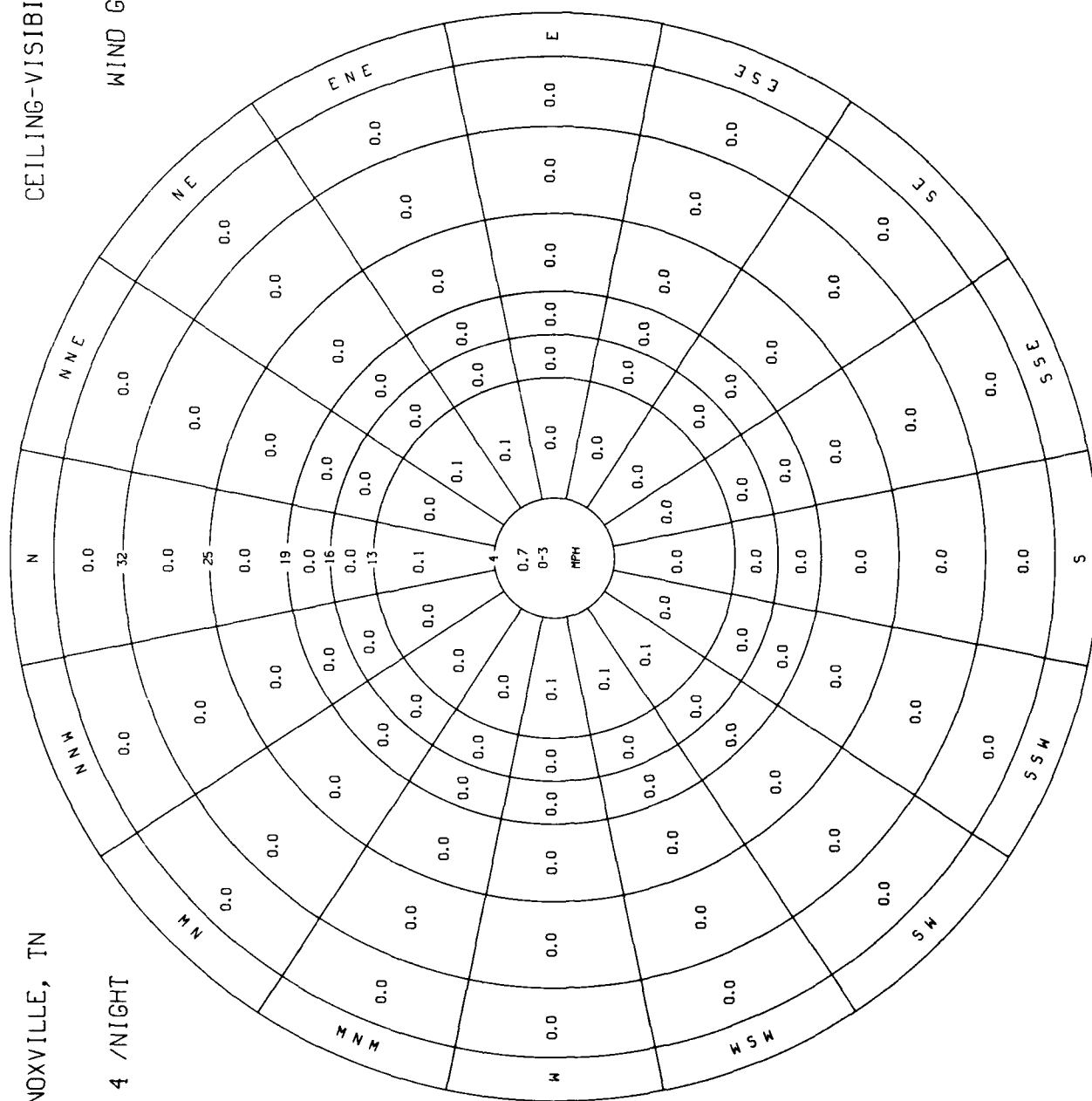
CLASS 4 / DAY

STATION NUMBER: 13891

NO. OBS.: 695

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       | AVG<br>WIND<br>SPEED |  |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|----------------------|--|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL |                      |  |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |       |                      |  |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |       |                      |  |
| A           | B                  | A    | B    | A    | B     | A   | B     | A   | B     | A  | B     | A  | B   | C  | D     |                      |  |
| N           | .0                 | .9   | .1   | 5.0  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .1 | 6.5   | 7.3                  |  |
| NNE         | .0                 | 1.0  | .1   | 5.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .1 | 6.3   | 6.0                  |  |
| NE          | .0                 | 3.2  | .2   | 11.2 | .0    | .9  | .0    | .3  | .0    | .0 | .0    | .0 | .0  | .0 | 15.5  | 6.7                  |  |
| ENE         | .0                 | 2.3  | .1   | 7.1  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .1 | 9.5   | 5.6                  |  |
| E           | .0                 | 1.0  | .0   | 3.0  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .1 | 4.2   | 6.0                  |  |
| ESE         | .0                 | .9   | .0   | 1.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 2.4   | 4.9                  |  |
| SE          | .0                 | 2.2  | .0   | 2.0  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .1 | 4.3   | 4.6                  |  |
| SSE         | .0                 | .4   | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .0 | 1.4   | 6.7                  |  |
| S           | .0                 | 1.9  | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .1 | 4.2   | 5.1                  |  |
| SSW         | .0                 | .3   | .0   | 1.2  | .0    | .0  | .0    | .1  | .0    | .1 | .0    | .0 | .0  | .0 | 1.7   | 8.2                  |  |
| SW          | .0                 | 1.0  | .0   | 3.5  | .0    | .3  | .0    | .1  | .0    | .0 | .0    | .1 | .0  | .1 | 5.0   | 7.4                  |  |
| WSW         | .0                 | .4   | .1   | 3.6  | .0    | .1  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .1 | 4.3   | 7.4                  |  |
| W           | .0                 | .4   | .1   | 4.3  | .0    | .4  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .1 | 5.3   | 7.5                  |  |
| WNW         | .0                 | .4   | .0   | 3.0  | .0    | .3  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .1 | 3.9   | 7.4                  |  |
| NW          | .0                 | 1.2  | .0   | 2.2  | .0    | .0  | .0    | .1  | .0    | .0 | .0    | .0 | .0  | .1 | 3.6   | 7.6                  |  |
| NNW         | .0                 | .4   | .0   | 2.9  | .0    | .1  | .0    | .0  | .0    | .1 | .0    | .0 | .0  | .1 | 3.6   | 7.5                  |  |
| CALM        | .3                 | 18.1 |      |      |       |     |       |     |       |    |       |    |     | .3 | 18.1  |                      |  |
| TOTAL       | .5                 | 36.0 | .8   | 59.0 | .0    | 2.7 | .0    | 1.2 | .0    | .6 | .0    | .1 | .0  | .4 | 1.4   | 100                  |  |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    |       | 5.4                  |  |

CEILING-VISIBILITY  
WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13891

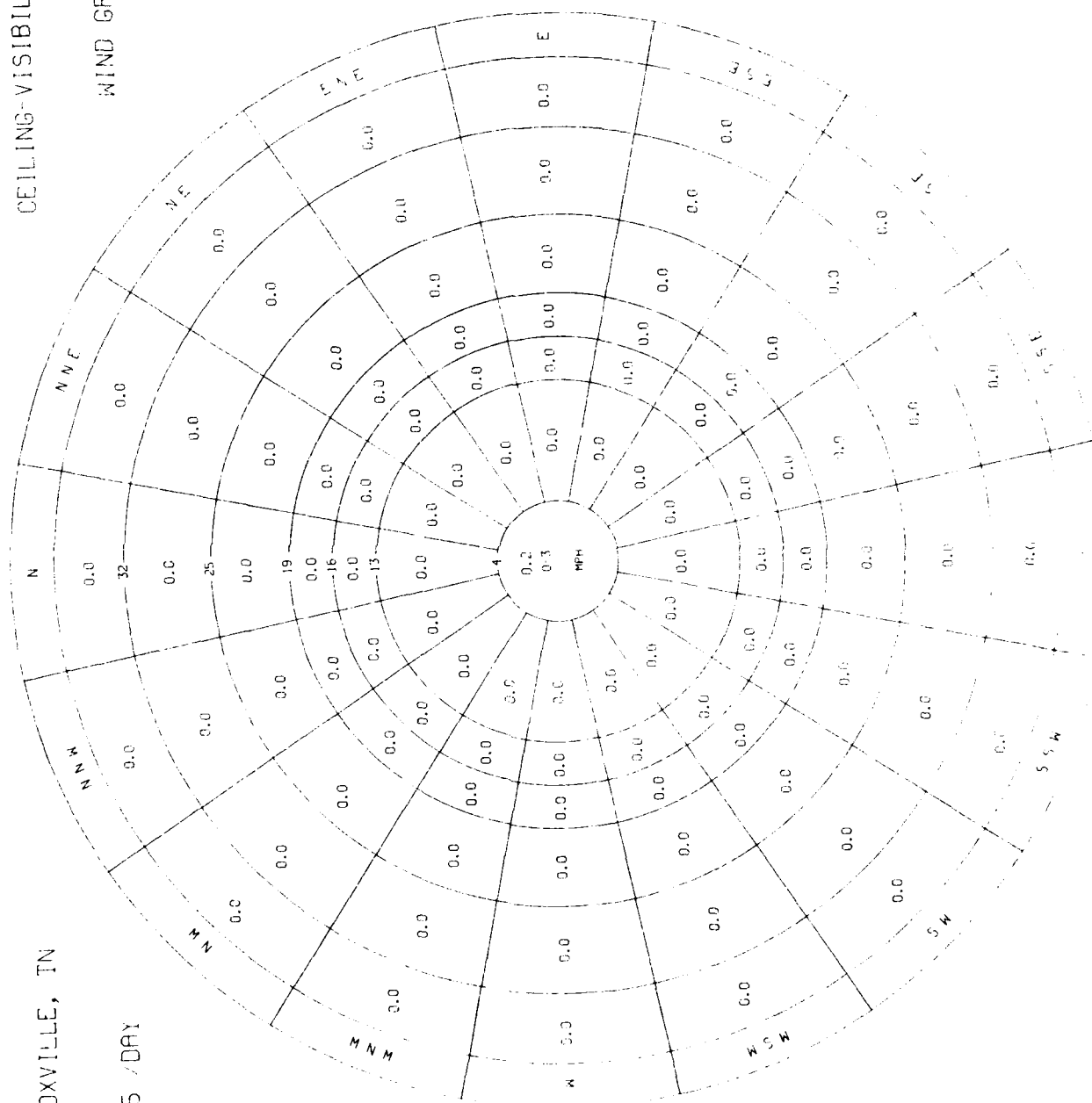
NO. OBS.: 648

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | 1.9  | .1   | 5.9  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 7.9               |
| NNE         | .0                 | .8   | .0   | 2.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 3.7               |
| NE          | .0                 | 3.1  | .1   | 9.0  | .0    | .0  | .0    | .2  | .0    | .3  | .0    | .0 | .0  | .0 | .2 12.5              |
| ENE         | .0                 | 2.2  | .1   | 5.6  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .2 | .1 8.0               |
| E           | .0                 | 2.3  | .0   | 2.9  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 5.2               |
| ESE         | .0                 | .8   | .0   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.8               |
| SE          | .0                 | 2.3  | .0   | 1.4  | .0    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 3.9               |
| SSE         | .0                 | .8   | .0   | .6   | .0    | .0  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0 1.5               |
| S           | .0                 | 1.2  | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .1 3.5               |
| SSW         | .0                 | .9   | .0   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0 2.9               |
| SW          | .0                 | 1.5  | .1   | 4.3  | .0    | .0  | .0    | .3  | .0    | .3  | .0    | .0 | .0  | .0 | .1 6.5               |
| WSW         | .0                 | .9   | .1   | 4.8  | .0    | .2  | .0    | .0  | .0    | .2  | .0    | .0 | .0  | .0 | .1 6.0               |
| W           | .0                 | .3   | .1   | 4.3  | .0    | .3  | .0    | .3  | .0    | .2  | .0    | .2 | .0  | .0 | .1 5.6               |
| WNW         | .0                 | .8   | .0   | 2.9  | .0    | .2  | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .1 4.0               |
| NW          | .0                 | 1.1  | .0   | 1.2  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .2 | .0  | .0 | .0 2.5               |
| NNW         | .0                 | .6   | .0   | 1.2  | .0    | .0  | .0    | .2  | .0    | .2  | .0    | .0 | .0  | .0 | .0 2.2               |
| CALM        | .3                 | 21.3 |      |      |       |     |       |     |       |     |       |    |     |    | .3 21.3              |
| TOTAL       | .7                 | 42.7 | .9   | 53.4 | .0    | 1.1 | .0    | 1.2 | .0    | 1.1 | .0    | .3 | .0  | .2 | 1.6 100              |



CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS ANNUAL

STATION NAME: TROY - NOXVILLE, TN

PERIOD: 1948-1978

CLASS 5 / DAY

STATION NUMBER: 13833

NO. OBS.: 237

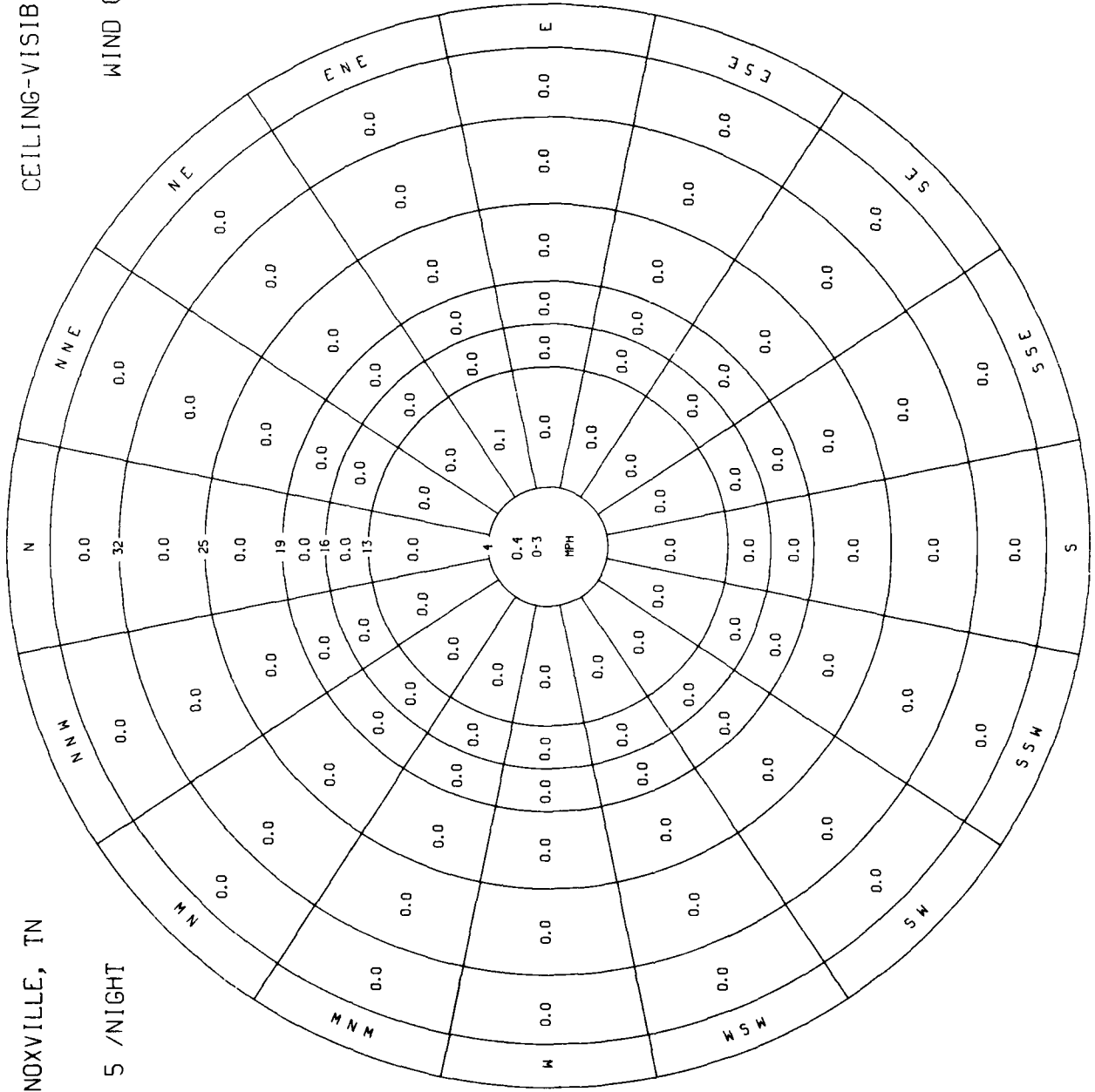
| D<br>IR | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|---------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|         | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|         | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N       | .0                 | 1.3  | .0   | 4.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.5                  |
| NNE     | .0                 | .0   | .0   | 4.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.2                  |
| N E     | .0                 | 5.5  | .0   | 10.1 | .0    | .4 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 16.0                 |
| ENE     | .0                 | 3.0  | .0   | 6.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 9.3                  |
| E       | .0                 | 1.7  | .0   | 3.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.1                  |
| ESE     | .0                 | .4   | .0   | 3.8  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.6                  |
| SE      | .0                 | .4   | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.2                  |
| SSE     | .0                 | 1.3  | .0   | .4   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 2.1                  |
| S       | .0                 | .8   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.7                  |
| SSW     | .0                 | 1.7  | .0   | 3.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.0                  |
| SW      | .0                 | 1.7  | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.6                  |
| WSW     | .0                 | .0   | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.4                  |
| W       | .0                 | .4   | .0   | 3.8  | .0    | .0 | .0    | .4 | .0    | .0 | .0    | .0 | .0  | .0 | 2.5                  |
| WNNW    | .0                 | .4   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.6                  |
| NW      | .0                 | 1.3  | .0   | 1.3  | .0    | .0 | .0    | .4 | .0    | .0 | .0    | .0 | .0  | .0 | 1.3                  |
| NNW     | .0                 | .8   | .0   | 1.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.0                  |
| CALM    | .1                 | 28.7 | .2   | 49.4 | .1    | .4 | .0    | .8 |       |    | .0    | .0 | .0  | .0 | 2.1                  |
| TOTAL   | .2                 | 49.4 | .2   | 49.4 | .1    | .4 | .0    | .8 |       |    | .0    | .0 | .0  | .0 | 28.7                 |
|         |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 5.100                |
|         |                    |      |      |      |       |    |       |    |       |    |       |    |     |    | 3.8                  |

CEILING-VISIBILITY

WIND GRAPH

TYS KNOXVILLE, TN

CLASS 5 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 5 / NIGHT

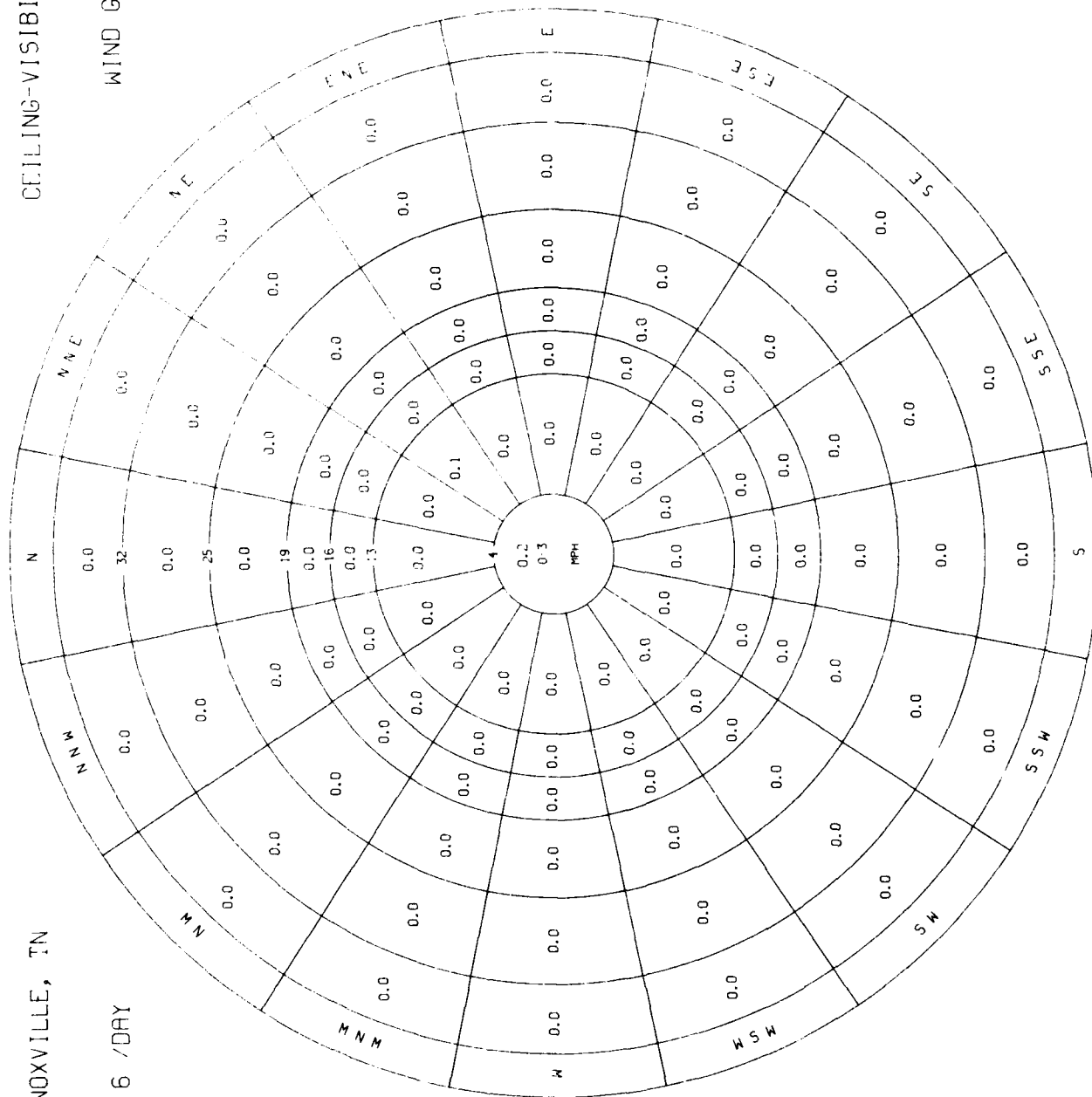
STATION NUMBER: 13891

NO. OBS.: 284

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.4  | .0   | 3.2  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NNE         | .0                 | 2.5  | .0   | 2.8  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NE          | .0                 | 4.2  | .0   | 6.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| ENE         | .0                 | 3.5  | .1   | 7.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   |
| E           | .0                 | 1.8  | .0   | 3.9  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1                   |
| ESE         | .0                 | 1.4  | .0   | 1.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SE          | .0                 | 1.1  | .0   | 2.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SSE         | .0                 | .7   | .0   | 1.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| S           | .0                 | 1.4  | .0   | .7   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SSW         | .0                 | .7   | .0   | .7   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SW          | .0                 | 2.1  | .0   | .7   | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| WSW         | .0                 | 1.1  | .0   | 3.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| W           | .0                 | .7   | .0   | 3.2  | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| WNW         | .0                 | 1.4  | .0   | .4   | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NW          | .0                 | .7   | .0   | 1.4  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| NNW         | .0                 | .4   | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| CALM        | .2                 | 32.7 |      |      |       |     |       |    |       |    |       |    |     |    | .2                   |
| TOTAL       | .4                 | 57.7 | .3   | 39.8 | .0    | 1.8 | .0    | .0 | .0    | .4 | .0    | .4 | .0  | .0 | .7                   |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 100                  |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 3.6                  |

# CEILING-VISIBILITY

## WIND GRAPH



TYS KNOXVILLE, TN

CLASS 6 /DAY

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: TIS KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 6 / DAY

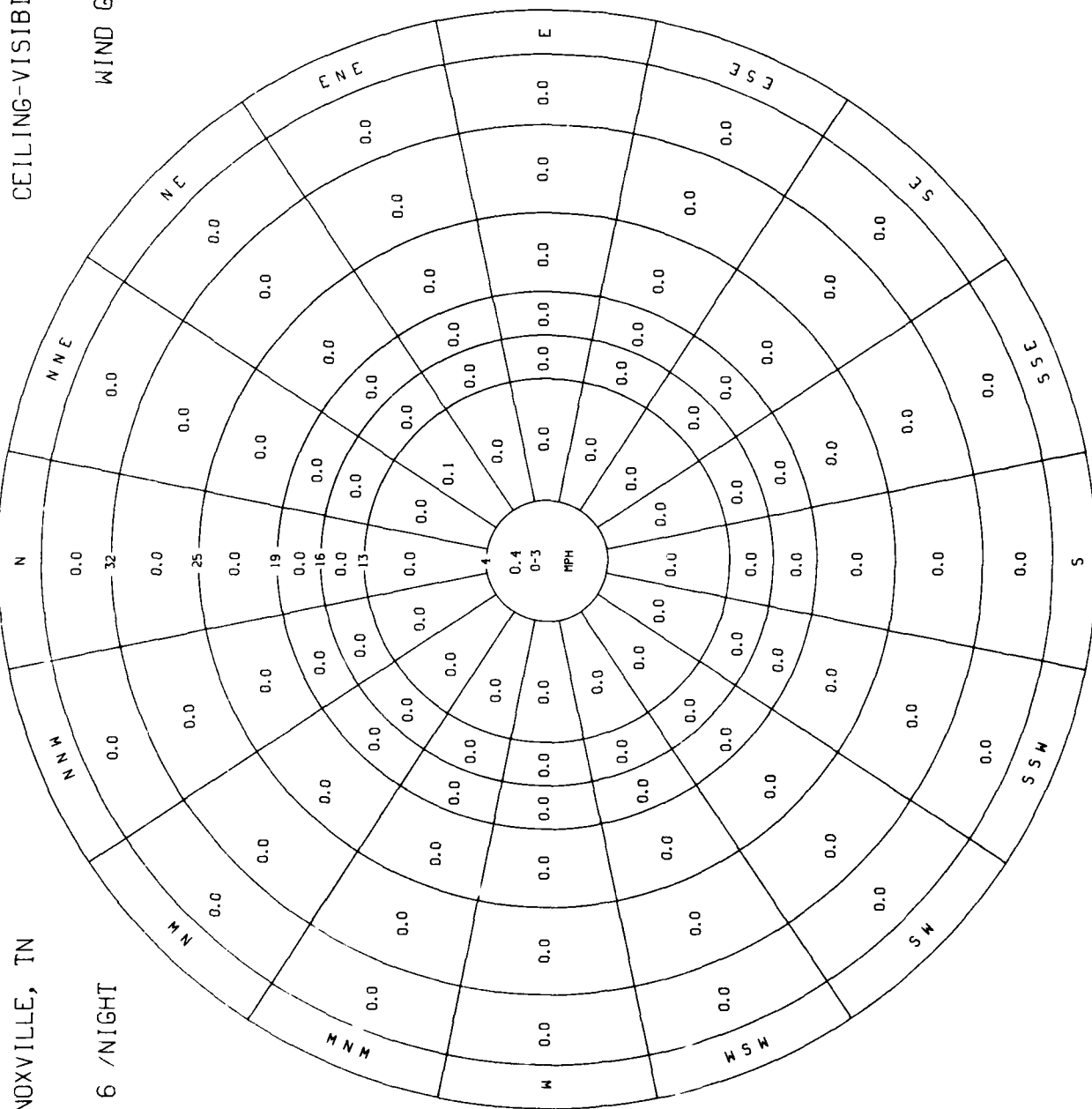
STATION NUMBER: 13991

NO. OBS.: 201

| C<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.0  | .0   | 3.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.5               |
| NNE         | .0                 | 1.5  | .0   | 6.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 8.0               |
| NE          | .0                 | 4.5  | .1   | 13.4 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 17.9              |
| ENE         | .0                 | 4.0  | .0   | 10.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .1 13.9              |
| E           | .0                 | 3.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.0               |
| ESE         | .0                 | .5   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| SSE         | .0                 | 1.0  | .0   | 1.0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| S           | .0                 | .0   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| SSW         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| SW          | .0                 | 1.5  | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .0                |
| WSW         | .0                 | .5   | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.5               |
| W           | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| WNW         | .0                 | .5   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| NW          | .0                 | .5   | .0   | .5   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 .5                |
| NNW         | .0                 | .0   | .0   | 1.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.0               |
| CALM        | .2                 | 39.8 |      |      |       |    |       |    |       |    |       |    |     |    | .2 39.8              |
| TOTAL       | .2                 | 59.2 | .2   | 40.8 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .4 100               |

CEILING-VISIBILITY

WIND GRAPH



TYS KNOXVILLE, TN

CLASS 6 /NIGHT

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: TYS KNOXVILLE, TN

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13891

NO. OBS.: 260

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |     |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |     |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    | D   |
| N           | .0                 | 2.7  | .0   | 3.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 6.2  | 4.8 |
| NNE         | .0                 | 1.9  | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 4.0 |
| NE          | .0                 | 6.2  | .1   | 10.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 16.2 | 4.7 |
| ENE         | .0                 | 3.8  | .0   | 4.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .1    | 8.1  | 4.0 |
| E           | .0                 | 3.1  | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.8  | 3.6 |
| ESE         | .0                 | .8   | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.9  | 5.0 |
| SE          | .0                 | 2.3  | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 3.1 |
| SSE         | .0                 | 1.2  | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.9  | 3.2 |
| S           | .0                 | 2.3  | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.1  | 5.2 |
| SSW         | .0                 | .4   | .0   | 2.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 3.5  | 5.0 |
| SW          | .0                 | 1.2  | .0   | 2.3  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.2  | 6.0 |
| WSW         | .0                 | .0   | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.3  | 4.8 |
| W           | .0                 | .4   | .0   | 1.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.9  | 5.6 |
| WNW         | .0                 | .8   | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 1.2  | 4.3 |
| NW          | .0                 | .4   | .0   | .8   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 2.7  | 3.9 |
| NNW         | .0                 | 1.5  | .0   | 1.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | 36.9 |     |
| CALM        | .2                 | 36.9 |      |      |       |    |       |    |       |    |       |    |     |    |                      |       |      |     |
| TOTAL       | .4                 | 65.8 | .2   | 34.2 | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .2    | 36.9 | 2.8 |

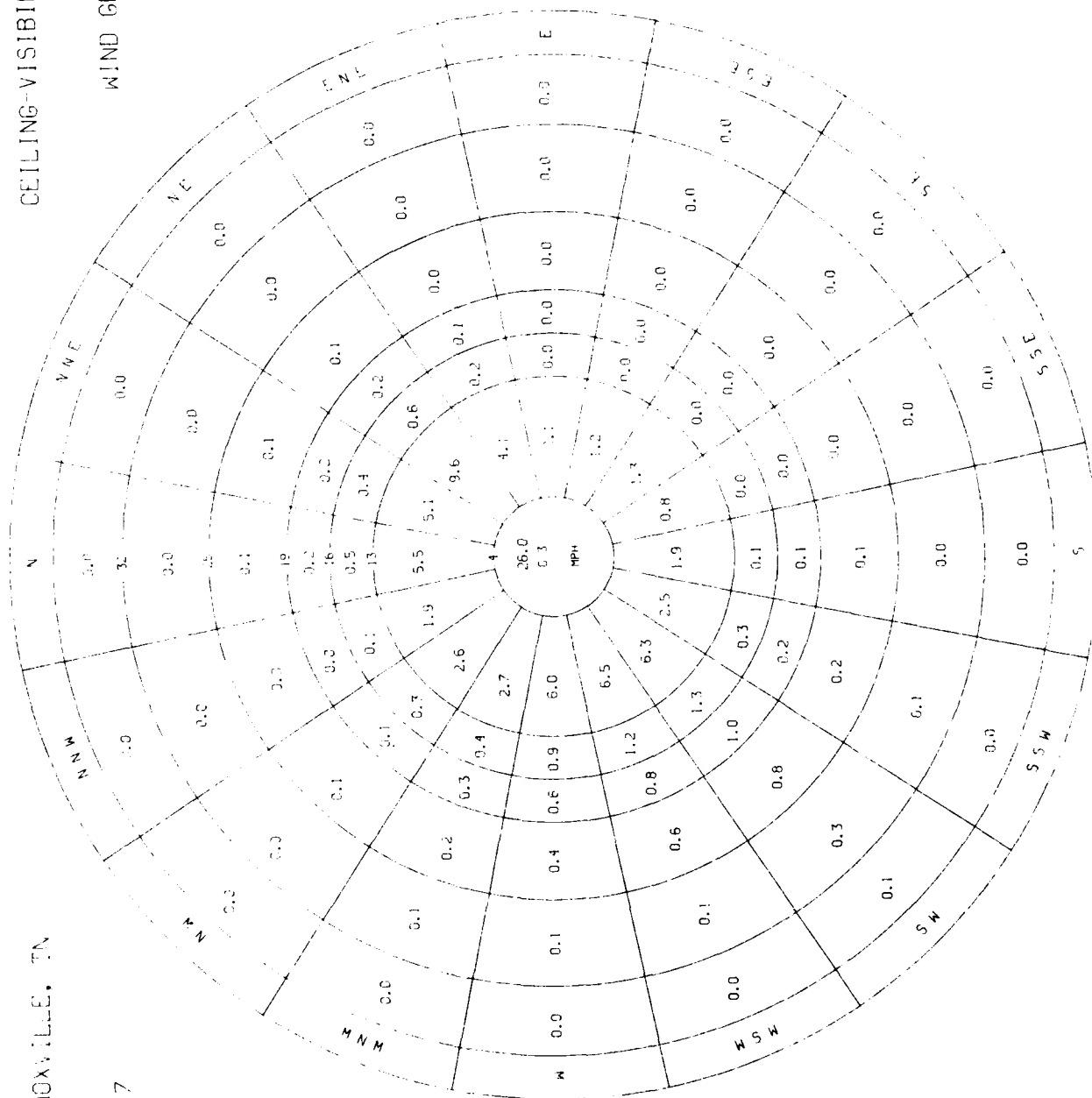


# CEILING-VISIBILITY

## WIND GRAPH

TYS KNOXVILLE, TN

CLASS 7

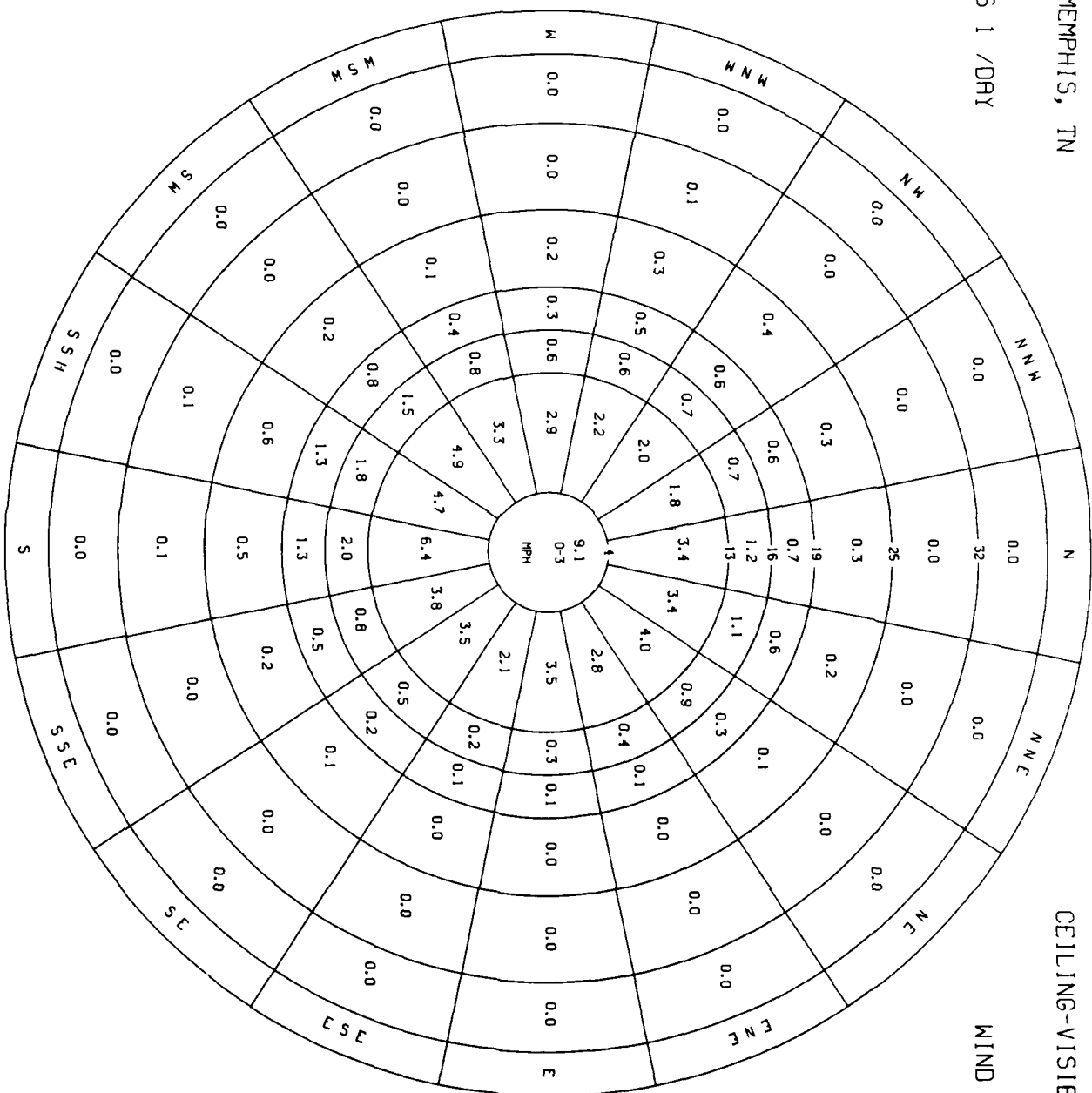


MEM MEMPHIS, TN

CLASS 1 / DRY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 1 / DAY

STATION NUMBER: 13893

NO. OBS.: 44282

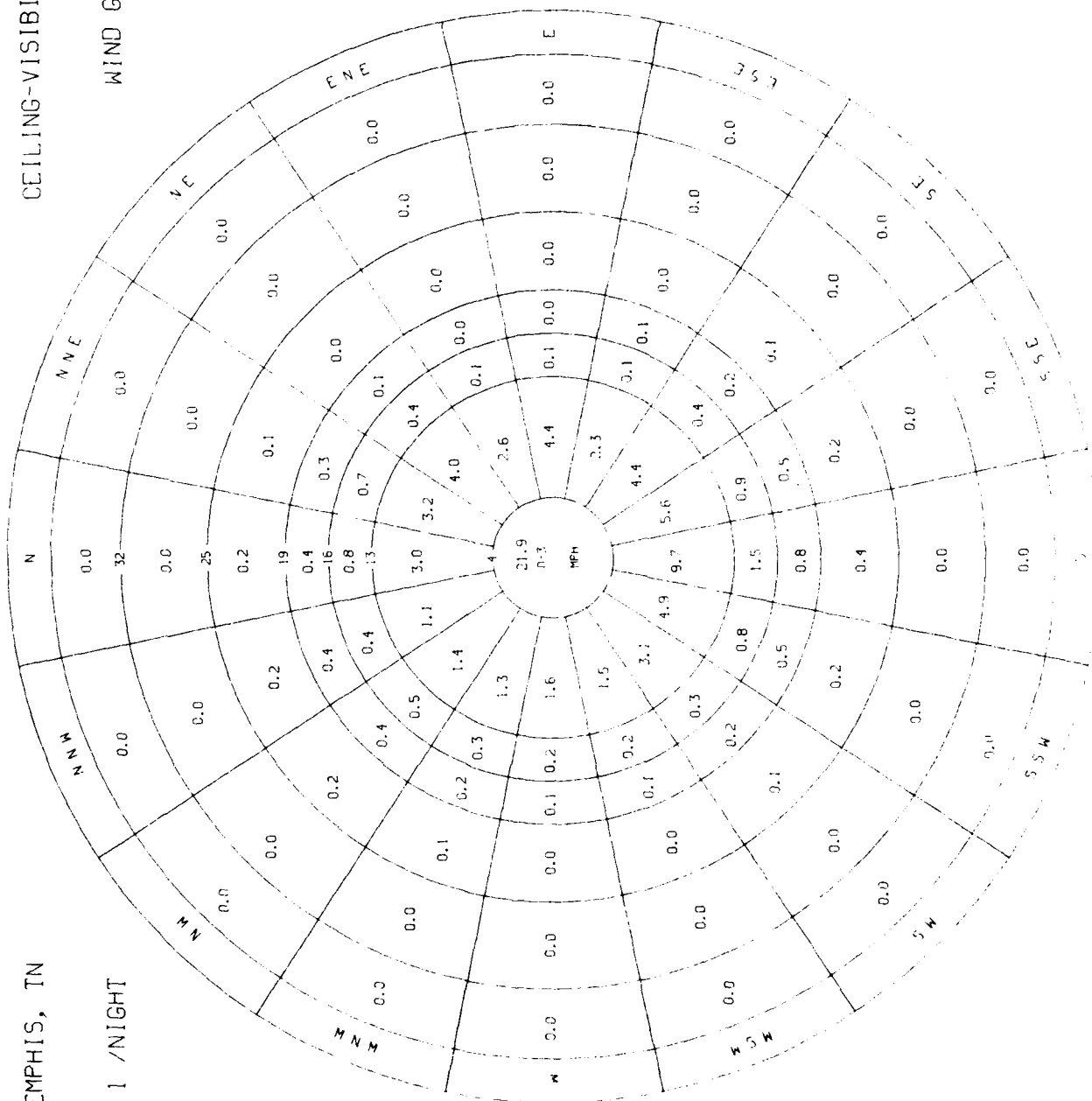
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .3                 | .3   | 3.4  | 3.8  | 1.2   | 1.4  | .7    | .8  | .3    | .3  | .0    | .0 | .0  | .0 | 6.0 6.6              |
| NNE         | .2                 | .2   | 3.4  | 3.7  | 1.1   | 1.2  | .6    | .6  | .2    | .2  | .0    | .0 | .0  | .0 | 5.4 6.0              |
| NNE         | .5                 | .6   | 4.0  | 4.4  | .9    | 1.0  | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 5.8 6.4              |
| ENE         | .4                 | .5   | 2.8  | 3.1  | .4    | .4   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.7 4.1              |
| E           | .8                 | .9   | 3.5  | 3.8  | .3    | .4   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.7 5.2              |
| ESE         | .4                 | .4   | 2.1  | 2.3  | .2    | .2   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.8 3.1              |
| SE          | .6                 | .7   | 3.5  | 3.9  | .5    | .6   | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 5.0 5.5              |
| SSE         | .4                 | .4   | 3.8  | 4.2  | .8    | .9   | .5    | .6  | .2    | .3  | .0    | .0 | .0  | .0 | 5.8 6.4              |
| S           | .6                 | .6   | 6.4  | 7.1  | 2.0   | 2.2  | 1.3   | 1.4 | .5    | .6  | .1    | .1 | .0  | .0 | 10.9 12.1            |
| SSW         | .3                 | .4   | 4.7  | 5.2  | 1.8   | 2.0  | 1.3   | 1.4 | .6    | .7  | .1    | .2 | .0  | .0 | 8.8 9.8              |
| SW          | .5                 | .6   | 4.9  | 5.4  | 1.5   | 1.6  | .8    | .9  | .2    | .3  | .0    | .0 | .0  | .0 | 8.0 8.8              |
| WSW         | .3                 | .4   | 3.3  | 3.6  | .8    | .9   | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 5.0 5.5              |
| W           | .4                 | .5   | 2.9  | 3.2  | .6    | .7   | .3    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | 4.4 4.9              |
| WNW         | .2                 | .3   | 2.2  | 2.4  | .6    | .7   | .5    | .5  | .3    | .3  | .1    | .1 | .0  | .0 | 3.9 4.3              |
| NW          | .2                 | .2   | 2.0  | 2.2  | .7    | .8   | .6    | .7  | .4    | .4  | .0    | .0 | .0  | .0 | 4.0 4.4              |
| NNW         | .2                 | .2   | 1.8  | 2.0  | .7    | .8   | .6    | .6  | .3    | .3  | .0    | .0 | .0  | .0 | 3.5 3.9              |
| CALM        | 2.6                | 2.9  |      |      |       |      |       |     |       |     |       |    |     |    | 2.6 2.9              |
| TOTAL       | 9.1                | 10.1 | 54.6 | 60.5 | 14.2  | 15.7 | 8.3   | 9.3 | 3.5   | 3.8 | .5    | .6 | .0  | .0 | 90.2 100             |

CEILING-VISIBILITY

WIND GRAPH

MEM MEMPHIS, TN

CLASS 1 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 1 / NIGHT

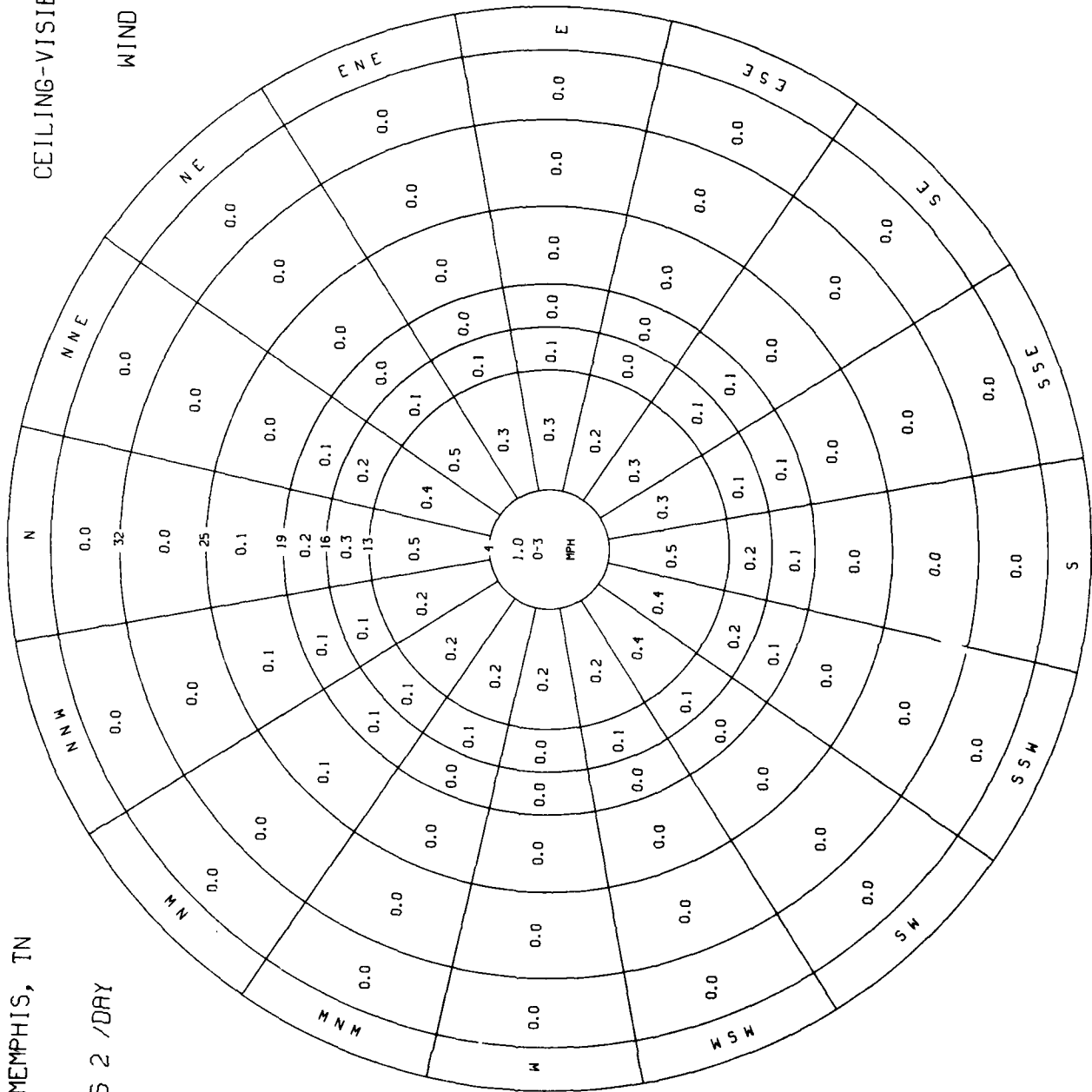
STATION NUMBER: 13893

NO. OBS.: 37421

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  |                      |       | C    |
| N           | .5                 | .6   | 3.0  | 3.3  | .8    | .8  | .4    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 4.9                  | 5.5   | 10.0 |
| NNE         | .5                 | .5   | 3.2  | 3.6  | .7    | .8  | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 4.8                  | 5.3   | 9.3  |
| NE          | .2                 | 1.4  | 4.0  | 4.4  | .4    | .5  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 5.8                  | 6.4   | 7.4  |
| NNE         | .9                 | 1.0  | 2.6  | 2.9  | .1    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.7                  | 4.1   | 6.4  |
| E           | 2.3                | 2.5  | 4.4  | 4.9  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 6.9                  | 7.6   | 5.5  |
| ESE         | .9                 | .9   | 2.3  | 2.5  | .1    | .1  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 3.3                  | 3.6   | 6.3  |
| SE          | 1.5                | 1.6  | 4.4  | 4.9  | .4    | .5  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 6.5                  | 7.2   | 7.2  |
| SSE         | .9                 | 1.0  | 5.6  | 6.2  | .9    | .9  | .5    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 8.0                  | 8.9   | 8.9  |
| S           | 1.3                | 1.5  | 9.7  | 10.8 | 1.5   | 1.7 | .8    | .9  | .4    | .4  | .0    | .1 | .0  | .0 | 13.8                 | 15.3  | 9.2  |
| SSW         | .5                 | .6   | 4.9  | 5.5  | .8    | .9  | .5    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 7.0                  | 7.8   | 9.6  |
| SW          | .3                 | 1.0  | 3.1  | 3.5  | .3    | .4  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 4.7                  | 5.2   | 7.6  |
| WSW         | .4                 | .5   | 1.5  | 1.7  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 2.3                  | 2.5   | 7.7  |
| W           | .6                 | .7   | 1.6  | 1.8  | .2    | .2  | .1    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | 2.7                  | 3.0   | 7.5  |
| WNW         | .3                 | .4   | 1.3  | 1.5  | .3    | .3  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 2.3                  | 2.5   | 9.7  |
| NW          | .4                 | .4   | 1.4  | 1.5  | .5    | .5  | .4    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | 2.9                  | 3.2   | 10.8 |
| NNW         | .2                 | .2   | 1.1  | 1.3  | .4    | .4  | .4    | .4  | .2    | .2  | .0    | .0 | .0  | .0 | 2.3                  | 2.6   | 11.7 |
| CALM        | 5.4                | 9.3  |      |      |       |     |       |     |       |     |       |    |     |    | 8.4                  | 9.3   |      |
| TOTAL       | 21.3               | 24.3 | 54.2 | 60.1 | 7.7   | 8.5 | 4.3   | 4.7 | 1.8   | 2.0 | .3    | .4 | .0  | .0 | 90.2                 | 100   | 7.6  |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 2 / DAY

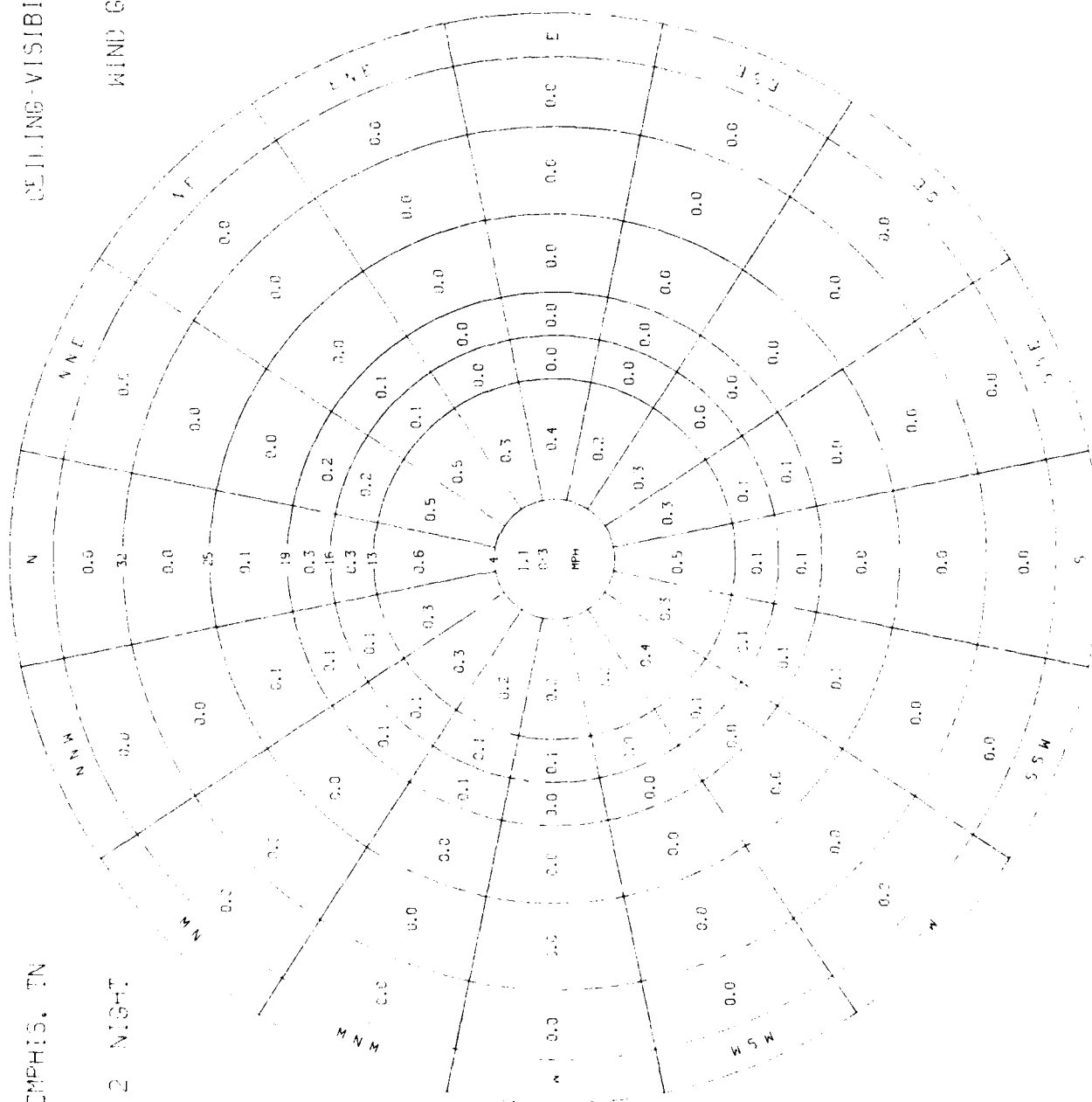
STATION NUMBER: 13893

NO. OBS.: 4785

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B    | A     | B   | A     | B  | A   | B  |                      |
| N           | .1                 | .5  | .5   | 5.3  | .3    | 2.6  | .2    | 1.7  | .1    | .9  | .0    | .1 | .0  | .0 | 1.1 11.2             |
| NNE         | .0                 | .3  | .4   | 4.5  | .2    | 1.8  | .1    | 1.0  | .0    | .4  | .0    | .1 | .0  | .0 | .8 8.0               |
| NNE         | .1                 | .5  | .5   | 4.7  | .1    | 1.4  | .0    | .3   | .0    | .1  | .0    | .0 | .0  | .0 | .7 7.1               |
| ENE         | .0                 | .3  | .3   | 3.3  | .1    | .8   | .0    | .2   | .0    | .0  | .0    | .0 | .0  | .0 | .5 4.6               |
| E           | .1                 | .8  | .3   | 3.4  | .1    | .5   | .0    | .2   | .0    | .1  | .0    | .0 | .0  | .0 | .5 5.0               |
| ESE         | .0                 | .2  | .2   | 2.2  | .0    | .5   | .0    | .2   | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.1               |
| SSE         | .0                 | .5  | .3   | 3.0  | .1    | 1.1  | .1    | .5   | .0    | .1  | .0    | .0 | .0  | .0 | .5 5.2               |
| S           | .1                 | .7  | .5   | 5.5  | .2    | 1.6  | .1    | 1.4  | .0    | .3  | .0    | .1 | .0  | .0 | .9 9.6               |
| SSW         | .0                 | .2  | .4   | 3.9  | .2    | 1.8  | .1    | 1.3  | .0    | .4  | .0    | .0 | .0  | .0 | .7 7.6               |
| SW          | .1                 | .6  | .4   | 4.2  | .1    | 1.2  | .0    | .5   | .0    | .1  | .0    | .1 | .0  | .0 | .6 6.6               |
| WSW         | .0                 | .2  | .2   | 2.1  | .1    | .6   | .0    | .4   | .0    | .1  | .0    | .1 | .0  | .0 | .3 3.5               |
| W           | .0                 | .4  | .2   | 2.4  | .0    | .4   | .0    | .4   | .0    | .0  | .0    | .0 | .0  | .0 | .4 3.8               |
| WNW         | .0                 | .3  | .2   | 2.5  | .1    | .6   | .0    | .5   | .0    | .2  | .0    | .1 | .0  | .0 | .4 4.3               |
| NW          | .0                 | .3  | .2   | 2.5  | .1    | 1.2  | .1    | .8   | .1    | .6  | .0    | .1 | .0  | .0 | .5 5.5               |
| NNW         | .0                 | .3  | .2   | 2.4  | .1    | 1.4  | .1    | 1.2  | .1    | .6  | .0    | .1 | .0  | .0 | .6 6.0               |
| CALM        | .3                 | 3.4 |      |      |       |      |       |      |       |     |       |    |     |    | .3 3.4               |
| TOTAL       | 1.0                | 9.9 | 5.4  | 54.9 | 1.8   | 18.4 | 1.1   | 11.3 | .4    | 4.5 | .1    | .8 | .0  | .1 | 9.8 100              |
|             |                    |     |      |      |       |      |       |      |       |     |       |    |     |    | 10.7                 |

CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: NEW MEMPHIS, TN

PERIOD: 1948-1978

CLASS 2 / NIGHT

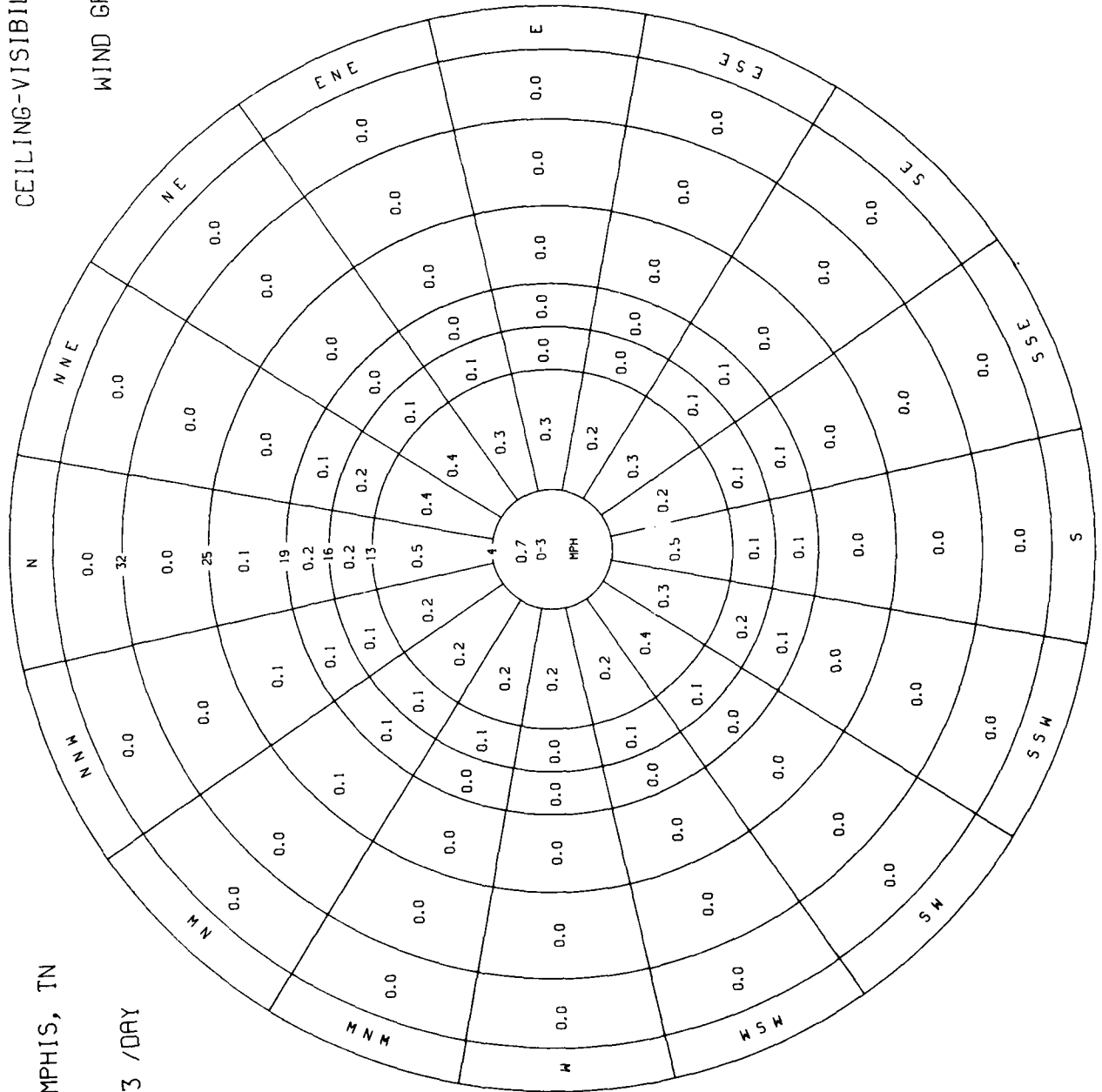
STATION NUMBER: 13893

NO. OBS.: 4083

| D<br>Y<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |      |       |     |       |    |     |    |       |      | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|-------|------|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |      | 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   | 6.5  | .3    | 3.4  | .3    | 2.6  | .1    | 1.5 | .0    | .2 | .0  | .0 | 1.4   | 14.6 | 12.9                 |
| NNE         | .0                 | .2   | .5   | 4.7  | .2    | 2.3  | .2    | 1.6  | .0    | .4  | .0    | .0 | .0  | .0 | .9    | 9.3  | 11.9                 |
| NE          | .1                 | .5   | .5   | 4.9  | .1    | .9   | .1    | .6   | .0    | .2  | .0    | .0 | .0  | .0 | .7    | 7.0  | 9.9                  |
| ENE         | .0                 | .4   | .3   | 3.4  | .0    | .5   | .0    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 4.4  | 8.0                  |
| E           | .1                 | .9   | .4   | 3.7  | .0    | .3   | .0    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | .5    | 5.1  | 7.3                  |
| ESE         | .0                 | .3   | .2   | 2.3  | .0    | .1   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 2.8  | 7.7                  |
| SE          | .0                 | .4   | .3   | 2.6  | .0    | .5   | .0    | .2   | .0    | .3  | .0    | .0 | .0  | .0 | .4    | 4.1  | 10.0                 |
| SSE         | .0                 | .4   | .3   | 2.8  | .1    | 1.1  | .1    | .7   | .0    | .4  | .0    | .1 | .0  | .0 | .5    | 5.5  | 11.3                 |
| S           | .1                 | .5   | .5   | 4.9  | .1    | 1.3  | .1    | .7   | .0    | .3  | .0    | .0 | .0  | .0 | .8    | 7.8  | 10.4                 |
| SSW         | .0                 | .5   | .3   | 3.1  | .1    | 1.0  | .1    | .8   | .1    | .5  | .0    | .0 | .0  | .0 | .6    | 6.0  | 11.4                 |
| SW          | .1                 | .5   | .4   | 3.6  | .1    | .6   | .0    | .4   | .0    | .3  | .0    | .0 | .0  | .0 | .5    | 5.4  | 9.5                  |
| WSW         | .0                 | .3   | .2   | 2.0  | .0    | .5   | .0    | .2   | .0    | .0  | .0    | .0 | .0  | .0 | .3    | 3.1  | 9.2                  |
| W           | .1                 | .6   | .2   | 2.3  | .1    | .6   | .0    | .4   | .0    | .3  | .0    | .0 | .0  | .0 | .4    | 4.3  | 10.1                 |
| WNW         | .0                 | .3   | .2   | 2.3  | .1    | .8   | .1    | .7   | .0    | .2  | .0    | .0 | .0  | .0 | .4    | 4.4  | 11.2                 |
| NW          | .1                 | .6   | .3   | 2.9  | .1    | 1.1  | .1    | .9   | .0    | .5  | .0    | .1 | .0  | .0 | .6    | 6.0  | 11.5                 |
| NNW         | .0                 | .2   | .3   | 2.5  | .1    | 1.2  | .1    | 1.2  | .1    | 1.1 | .0    | .1 | .0  | .0 | .6    | 6.4  | 13.7                 |
| CALM        | .4                 | 3.9  |      |      |       |      |       |      |       |     |       |    |     |    | .4    | 3.9  |                      |
| TOTAL       | 1.1                | 11.0 | 5.4  | 54.6 | 1.6   | 16.2 | 1.1   | 11.2 | .6    | 6.1 | .1    | .8 | .0  | .1 | 9.8   | 100  | 10.4                 |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 3 / DAY

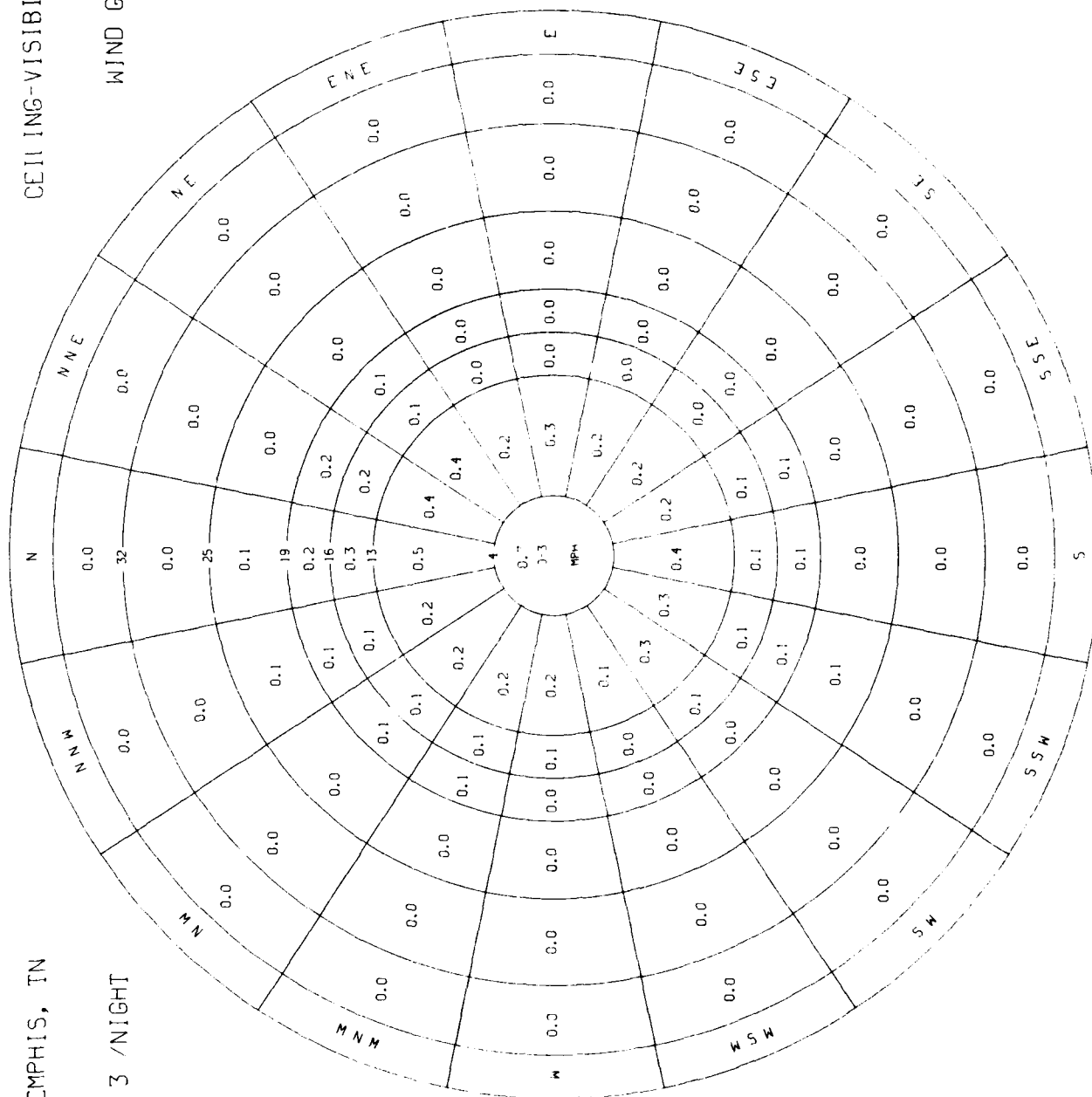
STATION NUMBER: 13893

NO. OBS.: 4248

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B   | A    | B    | A     | B    | A     | B    | A     | B   | A     | B  | A   | B  |                      |       | C    |
| N           | .0                 | .4  | .5   | 5.3  | .2    | 2.8  | .2    | 1.8  | .1    | 1.0 | .0    | .1 | .0  | .0 | 1.0                  | 11.4  | 12.8 |
| NNE         | .0                 | .3  | .4   | 4.4  | .2    | 1.8  | .1    | 1.0  | .0    | .4  | .0    | .1 | .0  | .0 | .7                   | 8.0   | 12.0 |
| NE          | .0                 | .4  | .4   | 4.5  | .1    | 1.5  | .0    | .3   | .0    | .1  | .0    | .0 | .0  | .0 | .6                   | 6.9   | 10.2 |
| ENE         | .0                 | .2  | .3   | 3.1  | .1    | .3   | .0    | .2   | .0    | .0  | .0    | .0 | .0  | .0 | .4                   | 4.4   | 9.9  |
| E           | .0                 | .5  | .3   | 3.3  | .0    | .6   | .0    | .2   | .0    | .1  | .0    | .0 | .0  | .0 | .4                   | 4.6   | 8.9  |
| ESE         | .0                 | .2  | .2   | 2.2  | .0    | .5   | .0    | .2   | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | 3.1   | 9.6  |
| SE          | .0                 | .4  | .3   | 3.1  | .1    | 1.2  | .1    | .6   | .0    | .2  | .0    | .0 | .0  | .0 | .5                   | 5.4   | 10.6 |
| SSE         | .0                 | .5  | .2   | 2.8  | .1    | 1.0  | .1    | .9   | .0    | .4  | .0    | .0 | .0  | .0 | .5                   | 5.6   | 11.6 |
| S           | .1                 | .6  | .5   | 5.6  | .1    | 1.7  | .1    | 1.5  | .0    | .3  | .0    | .1 | .0  | .0 | .9                   | 9.8   | 11.4 |
| SSW         | .0                 | .2  | .3   | 3.9  | .2    | 2.0  | .1    | 1.4  | .0    | .4  | .0    | .0 | .0  | .0 | .7                   | 7.9   | 12.3 |
| SW          | .0                 | .5  | .4   | 4.3  | .1    | 1.3  | .0    | .4   | .0    | .1  | .0    | .1 | .0  | .0 | .6                   | 6.6   | 10.3 |
| WSW         | .0                 | .2  | .2   | 2.1  | .1    | .6   | .0    | .4   | .0    | .2  | .0    | .1 | .0  | .0 | .3                   | 3.5   | 11.3 |
| W           | .0                 | .4  | .2   | 2.5  | .0    | .5   | .0    | .4   | .0    | .0  | .0    | .0 | .0  | .0 | .3                   | 3.8   | 9.5  |
| WNW         | .0                 | .2  | .2   | 2.3  | .1    | .7   | .0    | .4   | .0    | .2  | .0    | .1 | .0  | .0 | .4                   | 4.0   | 11.5 |
| NW          | .0                 | .3  | .2   | 2.4  | .1    | 1.2  | .1    | .8   | .1    | .6  | .0    | .0 | .0  | .0 | .5                   | 5.4   | 12.4 |
| NNW         | .0                 | .3  | .2   | 2.4  | .1    | 1.4  | .1    | 1.3  | .1    | .7  | .0    | .1 | .0  | .0 | .5                   | 6.2   | 13.4 |
| CALM        | .3                 | 3.1 |      |      |       |      |       |      |       |     |       |    |     |    | .3                   | 3.1   |      |
| TOTAL       | .7                 | 8.5 | 4.7  | 54.1 | 1.7   | 19.7 | 1.0   | 12.1 | .4    | 4.8 | .1    | .8 | .0  | .0 | 8.7                  | 100   | 11.0 |

CELLING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13893

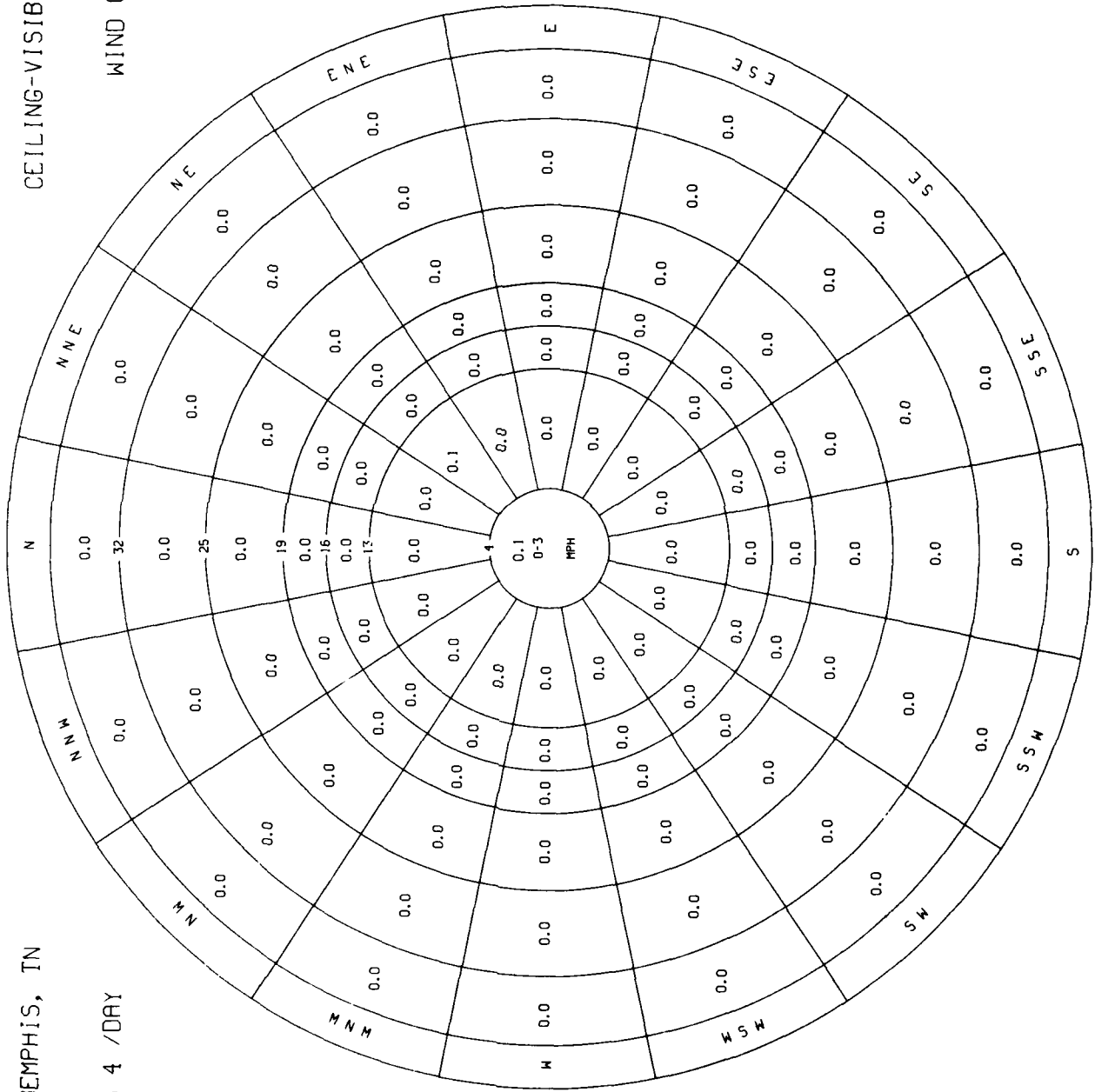
NO. OBS.: 3389

| D<br>I<br>R | SPEED GROUPS (MPH) |     |      |      |       |      |       |      |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|------|-------|------|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |      | 16-18 |      | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B    | A     | B    | A     | B   | A     | B  | A   | B  |                      |
| N           | .0                 | .3  | .5   | 6.2  | .3    | 3.9  | .2    | 3.0  | .1    | 1.8 | .0    | .2 | .0  | .0 | 1.3 15.5             |
| NNE         | .0                 | .2  | .4   | 4.8  | .2    | 2.6  | .2    | 1.9  | .0    | .4  | .0    | .0 | .0  | .0 | .8 9.9               |
| NE          | .0                 | .4  | .4   | 4.8  | .1    | 1.0  | .1    | .7   | .0    | .2  | .0    | .0 | .0  | .0 | .6 7.2               |
| ENE         | .0                 | .4  | .2   | 2.9  | .0    | .6   | .0    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | .3 3.9               |
| E           | .1                 | .8  | .3   | 3.4  | .0    | .3   | .0    | .1   | .0    | .0  | .0    | .0 | .0  | .0 | .4 4.7               |
| ESE         | .0                 | .3  | .2   | 2.2  | .0    | .1   | .0    | .0   | .0    | .0  | .0    | .0 | .0  | .0 | .2 2.6               |
| SE          | .0                 | .4  | .2   | 2.8  | .0    | .6   | .0    | .3   | .0    | .3  | .0    | .1 | .0  | .0 | .4 4.4               |
| SSE         | .0                 | .4  | .2   | 2.9  | .1    | 1.2  | .1    | .8   | .0    | .5  | .0    | .1 | .0  | .0 | .5 5.9               |
| S           | .0                 | .4  | .4   | 4.8  | .1    | 1.4  | .1    | .8   | .0    | .4  | .0    | .1 | .0  | .0 | .5 7.9               |
| SSW         | .0                 | .4  | .3   | 3.2  | .1    | 1.2  | .1    | .9   | .1    | .6  | .0    | .0 | .0  | .0 | .5 6.3               |
| SW          | .0                 | .3  | .3   | 3.2  | .1    | .6   | .0    | .4   | .0    | .3  | .0    | .0 | .0  | .0 | .4 4.9               |
| WSW         | .0                 | .2  | .1   | 1.8  | .0    | .6   | .0    | .2   | .0    | .1  | .0    | .0 | .0  | .0 | .2 3.0               |
| W           | .0                 | .3  | .2   | 2.2  | .1    | .6   | .0    | .4   | .0    | .3  | .0    | .0 | .0  | .0 | .3 4.0               |
| WNW         | .0                 | .2  | .2   | 1.9  | .1    | .9   | .1    | .8   | .0    | .3  | .0    | .1 | .0  | .0 | .3 4.1               |
| NW          | .0                 | .4  | .2   | 2.7  | .1    | 1.3  | .1    | 1.0  | .0    | .6  | .0    | .1 | .0  | .0 | .5 6.1               |
| NNW         | .0                 | .2  | .2   | 2.5  | .1    | 1.4  | .1    | 1.4  | .1    | 1.2 | .0    | .1 | .0  | .0 | .6 6.8               |
| CALM        | .2                 | 2.8 |      |      |       |      |       |      |       |     |       |    |     |    | .2 2.8               |
| TOTAL       | .7                 | 8.4 | 4.3  | 52.4 | 1.5   | 18.2 | 1.1   | 12.9 | .6    | 7.1 | .1    | .9 | .0  | .1 | 8.2 100 11.1         |

MEM MEMPHIS, TN

CEILING-VISIBILITY

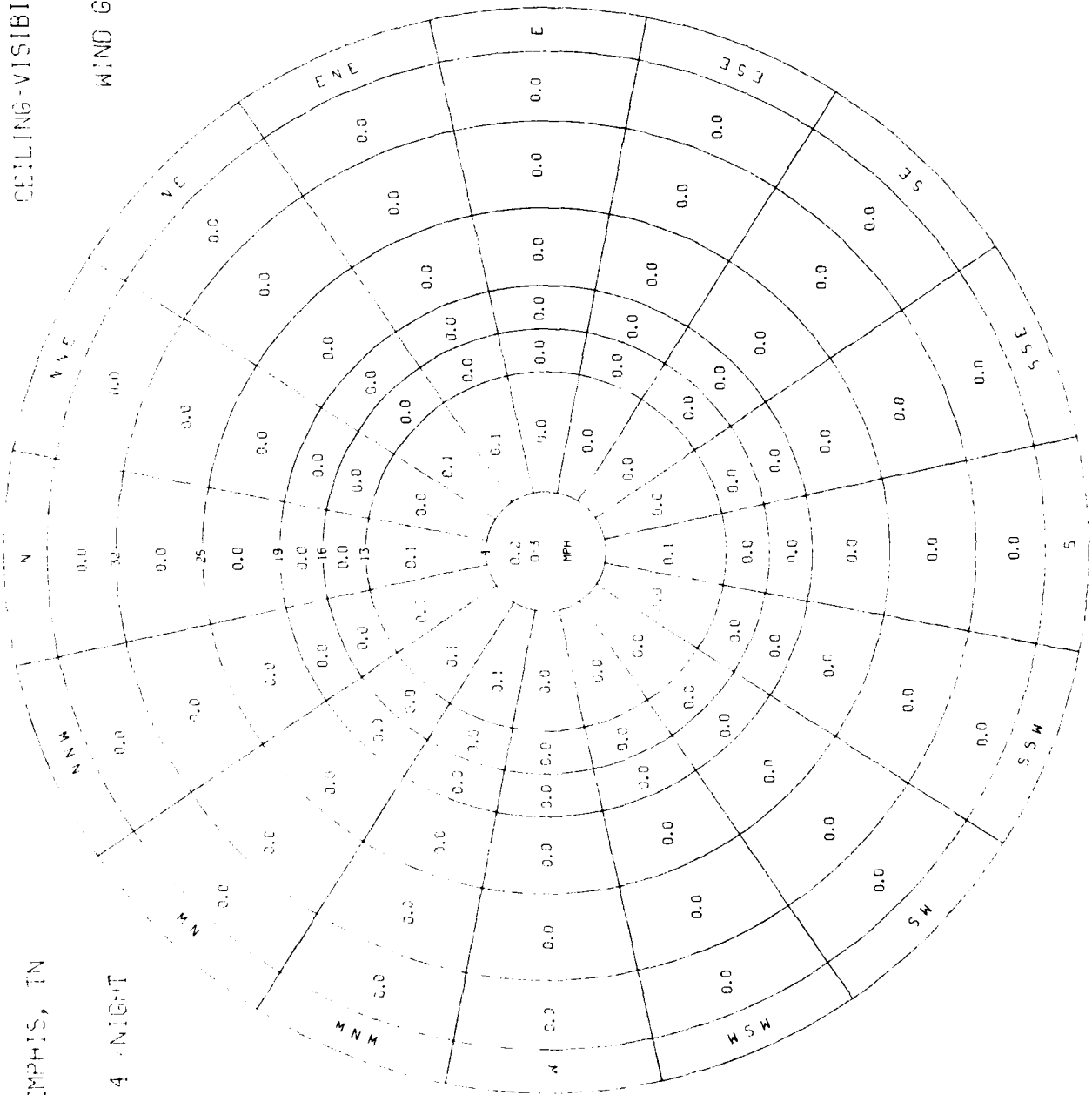
WIND GRAPH





CEILING-VISIBILITY

WIND GRAPH





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEMPHIS, TN

PERIOD: 1948-1978

CLASS 4 / NIGHT

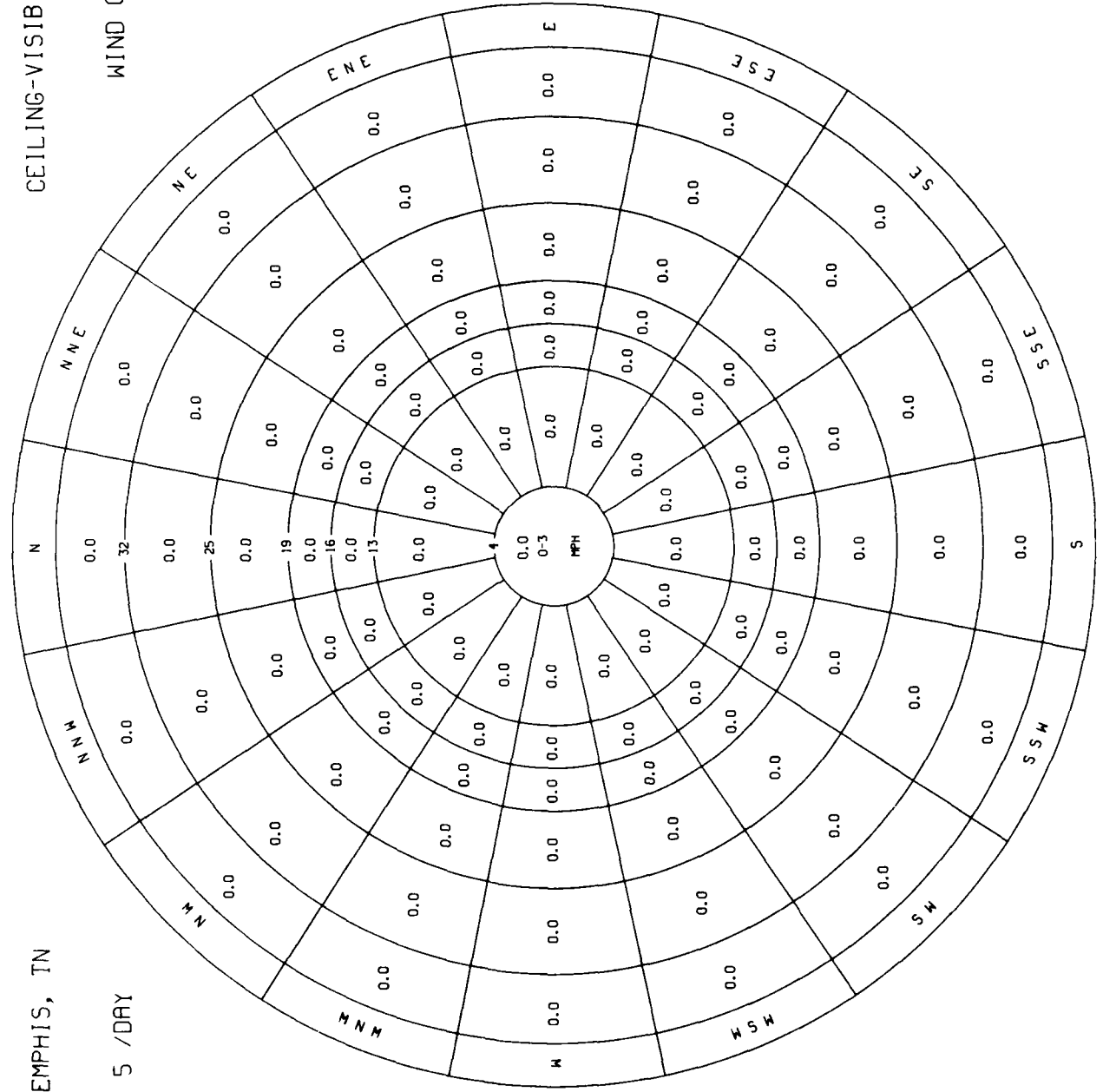
STATION NUMBER: 13493

NO. OBS.: 448

| D<br>IR | SPEED GROUPS (MPH) |     |        |     |       |     |       |    |       |    |       |    |       |    | AVG<br>WIND<br>SPEED |
|---------|--------------------|-----|--------|-----|-------|-----|-------|----|-------|----|-------|----|-------|----|----------------------|
|         | 0-3                |     | 4-12   |     | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+   |    | TOTAL                |
|         | A                  | B   | A      | B   | A     | B   | A     | B  | A     | B  | A     | B  | A     | B  |                      |
| N       | .0                 | 1.3 | .1     | 8.9 | .0    | 1.1 | .0    | .7 | .0    | .4 | .0    | .2 | .0    | .0 | .1 12.7              |
| NNE     | .0                 | .7  | .0     | 4.5 | .0    | 1.3 | .0    | .2 | .0    | .7 | .0    | .0 | .0    | .0 | .1 7.4               |
| NNE     | .0                 | .3  | .1     | 5.4 | .0    | .7  | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .1 7.6               |
| ENE     | .0                 | .2  | .1     | 5.9 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .1 7.1               |
| E       | .0                 | .1  | .0     | 4.5 | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .1 5.6               |
| ESE     | .0                 | .0  | .0     | 2.5 | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0 2.7               |
| SE      | .0                 | .9  | .0     | 2.0 | .0    | .2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0 3.1               |
| SSE     | .0                 | .2  | .0     | 1.8 | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0 2.5               |
| S       | .0                 | .7  | .1     | 5.4 | .0    | .7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .1 6.7               |
| SSW     | .0                 | .2  | .0     | 2.7 | .0    | .4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0 3.3               |
| SW      | .0                 | 1.6 | .0     | 4.2 | .0    | .4  | .0    | .2 | .0    | .2 | .0    | .0 | .0    | .0 | .1 6.7               |
| WSW     | .0                 | .3  | .0     | 3.3 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0 4.2               |
| W       | .0                 | .3  | .0     | 3.1 | .0    | .4  | .0    | .4 | .0    | .2 | .0    | .0 | .0    | .0 | .1 6.0               |
| WNW     | .0                 | .7  | .1     | 4.9 | .0    | 1.1 | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .1 6.9               |
| NW      | .0                 | .2  | .1     | 4.7 | .0    | .4  | .0    | .2 | .0    | .0 | .0    | .0 | .0    | .0 | .1 6.5               |
| NNW     | .0                 | .2  | .0     | 3.3 | .0    | .9  | .0    | .1 | .0    | .2 | .0    | .0 | .0    | .0 | .1 5.8               |
| CALM    | .1                 | 6.1 |        |     |       |     |       |    |       |    |       |    |       |    | .1 5.1               |
| TOTAL   | .2 17.0            |     | 7 58.1 |     | 1 9.4 |     | 2 3.3 |    | 0 1.8 |    | 0 1.4 |    | 0 1.0 |    | 1.1 100              |
|         |                    |     |        |     |       |     |       |    |       |    |       |    |       |    | 8.0                  |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 5 / DAY

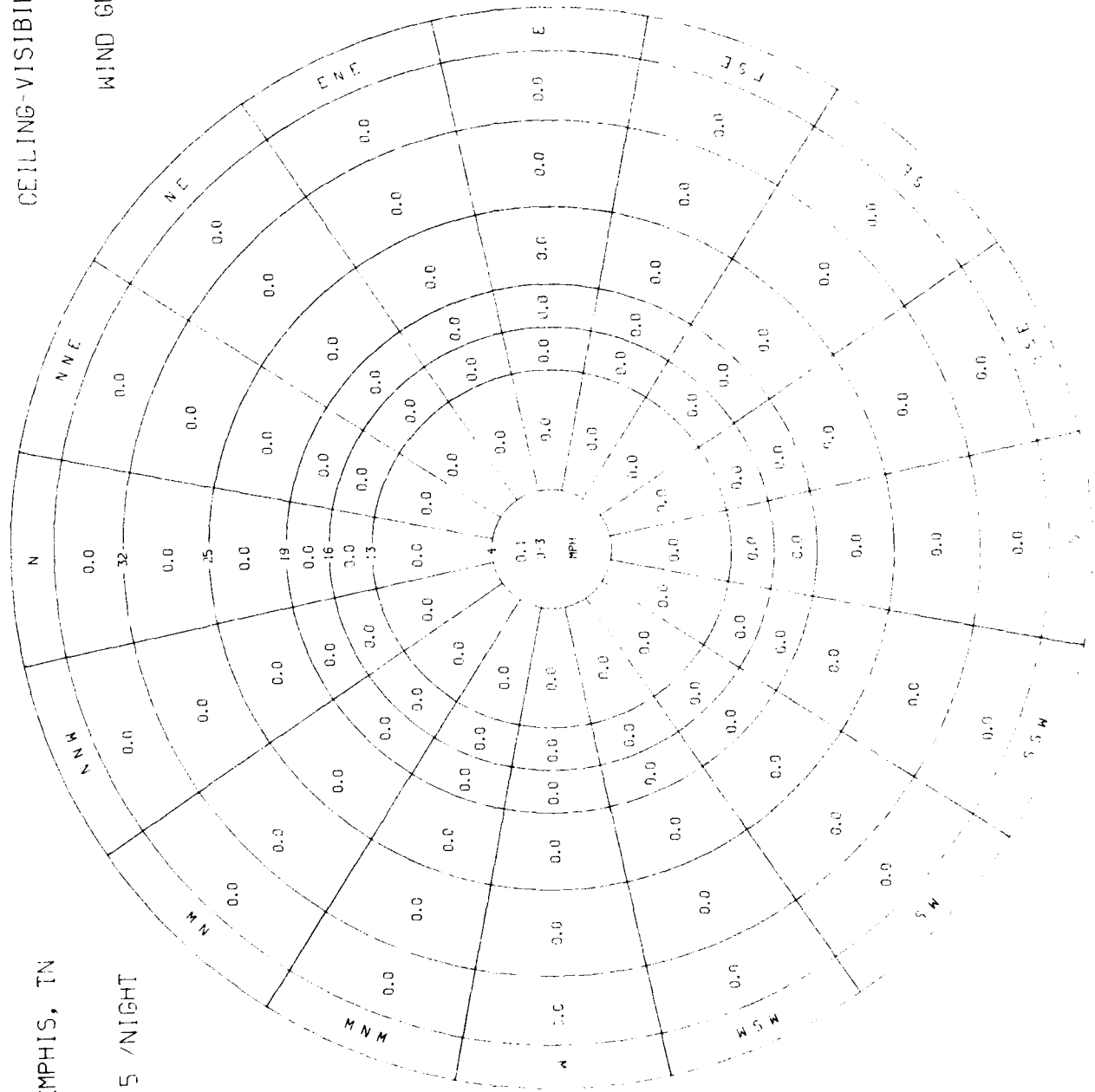
STATION NUMBER: 13893

NO. OBS.: 101

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.0  | .0   | 4.0  | .0    | 2.0 | .0    | 1.0 | .0    | .0 | .0    | .0 | .0  | .0 | 8.9                  |
| NNE         | .0                 | .0   | .0   | 5.0  | .0    | 1.0 | .0    | .0  | .0    | .0 | 1.0   | .0 | .0  | .0 | 6.9                  |
| NE          | .0                 | 3.0  | .0   | 6.9  | .0    | .0  | .0    | 1.0 | .0    | .0 | .0    | .0 | .0  | .0 | 10.9                 |
| ENE         | .0                 | 1.0  | .0   | 5.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 6.9                  |
| E           | .0                 | 4.0  | .0   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 5.9                  |
| ESE         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 5.9                  |
| SE          | .0                 | 5.0  | .0   | 3.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SSE         | .0                 | .0   | .0   | 9.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 7.9                  |
| S           | .0                 | 3.0  | .0   | 5.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 9.9                  |
| SSW         | .0                 | .0   | .0   | 5.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 8.9                  |
| SW          | .0                 | 1.0  | .0   | 5.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 5.0                  |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | 5.9                  |
| W           | .0                 | .0   | .0   | 2.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| WNW         | .0                 | .0   | .0   | 4.0  | .0    | .0  | .0    | 2.0 | .0    | .0 | 1.0   | .0 | .0  | .0 | 3.0                  |
| NW          | .0                 | 1.0  | .0   | 2.0  | .0    | 2.0 | .0    | 1.0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.9                  |
| NNW         | .0                 | .0   | .0   | 3.0  | .0    | 2.0 | .0    | 1.0 | .0    | .0 | .0    | .0 | .0  | .0 | 5.9                  |
| CALM        | .0                 | 2.0  |      |      |       |     |       |     |       |    |       |    |     |    | 5.9                  |
| TOTAL       | .0                 | 21.8 | .1   | 63.4 | .0    | 6.9 | .0    | 5.9 | .0    | .0 | 2.0   | .0 | .0  | .0 | 2.0                  |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 7.5                  |

CEILING-VISIBILITY

WIND GRAPH



MEM MEMPHIS, TN

CLASS 5 / NIGHT

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 5 / NIGHT

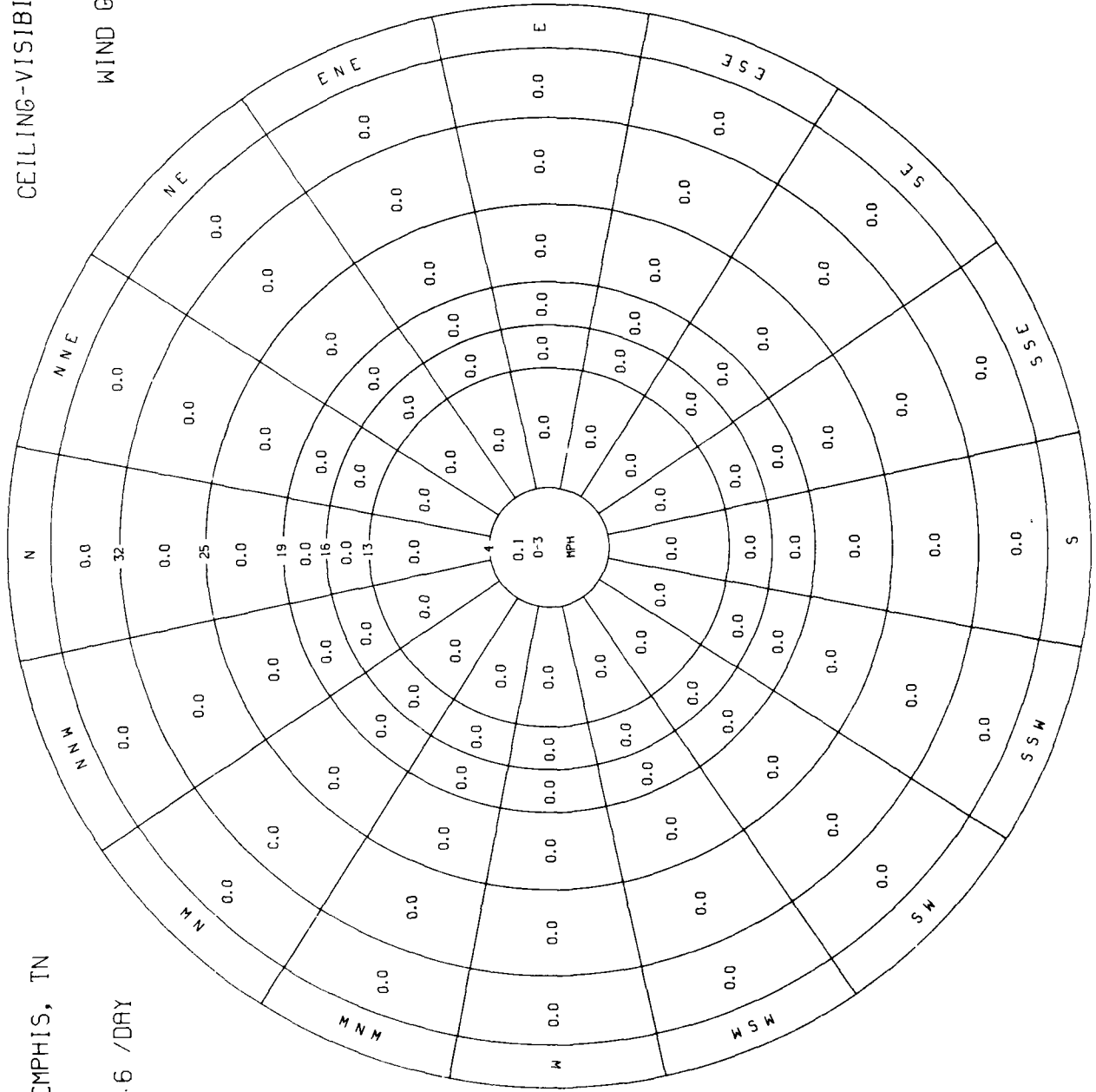
STATION NUMBER: 13893

NU. OBS.: 129

| D<br>:<br>R | SPEED GROUPS (MPH) |     |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|-----|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |     | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B   | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | .8  | .0   | 5.4  | .0    | .8  | .0    | .8  | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.8               |
| NNE         | .0                 | .0  | .0   | 5.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.4               |
| NNE         | .0                 | .0  | .0   | 3.9  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.9               |
| ENE         | .0                 | 1.6 | .0   | 6.2  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.8               |
| E           | .0                 | 3.1 | .0   | 5.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 8.5               |
| ESE         | .0                 | .8  | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.9               |
| SSE         | .0                 | .8  | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.9               |
| S           | .0                 | .8  | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.9               |
| SSW         | .0                 | 1.6 | .0   | 4.7  | .0    | 1.6 | .0    | .8  | .0    | .0 | .0    | .0 | .0  | .0 | .0 11.6              |
| SW          | .0                 | .8  | .0   | 10.9 | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.2               |
| WSW         | .0                 | .0  | .0   | 4.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 11.6              |
| W           | .0                 | 3.1 | .0   | 2.3  | .0    | .0  | .0    | .8  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.7               |
| WNW         | .0                 | .0  | .0   | 2.3  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.2               |
| NW          | .0                 | 2.3 | .0   | 3.1  | .0    | .0  | .0    | .8  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.3               |
| NNW         | .0                 | .0  | .0   | 3.1  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.2               |
| TOTAL       | .0                 | 5.4 | .0   | 72.9 | .0    | 2.3 | .0    | 3.1 | .0    | .8 | .0    | .0 | .0  | .0 | .0 5.4               |
|             |                    |     |      |      |       |     |       |     |       |    |       |    |     |    | .0 3.9               |
|             |                    |     |      |      |       |     |       |     |       |    |       |    |     |    | .0 5.4               |
|             |                    |     |      |      |       |     |       |     |       |    |       |    |     |    | .0 10.8              |
|             |                    |     |      |      |       |     |       |     |       |    |       |    |     |    | .0 5.4               |
|             |                    |     |      |      |       |     |       |     |       |    |       |    |     |    | .0 5.4               |

CEILING-VISIBILITY

WIND GRAPH



MEM MEMPHIS, TN

CLASS .6 /DAY

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 6 / DAY

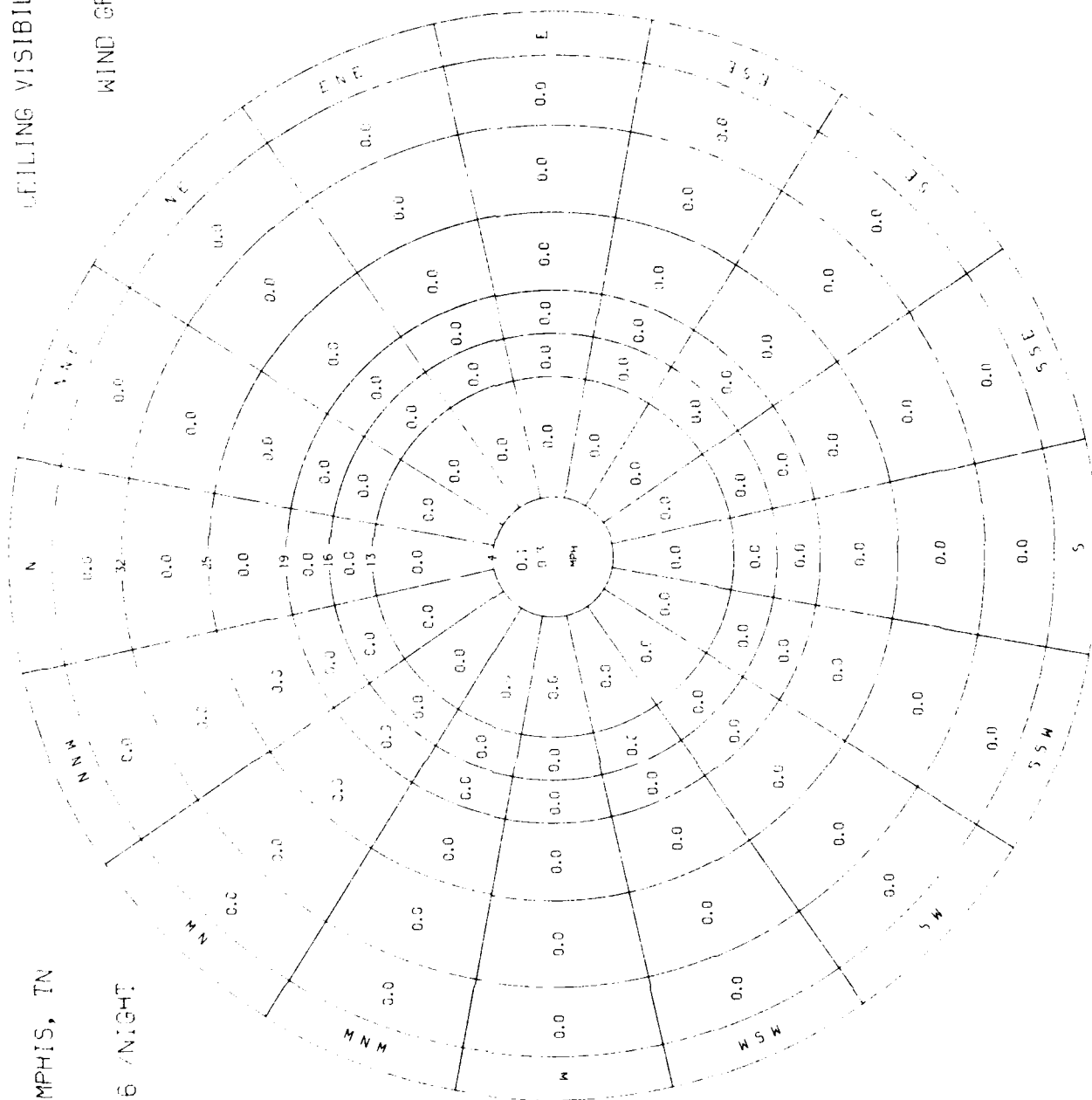
STATION NUMBER: 13893

NO. OBS.: 62

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 3.2  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  |
| NNE         | .0                 | 1.6  | .0   | .0   | .0    | 1.6 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  |
| NE          | .0                 | 4.8  | .0   | 4.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 9.7                  |
| ENE         | .0                 | 3.2  | .0   | 4.8  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 8.1                  |
| E           | .0                 | 14.5 | .0   | 6.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 21.0                 |
| ESE         | .0                 | 1.6  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  |
| SE          | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   |
| SSE         | .0                 | .0   | .0   | 6.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 6.5                  |
| S           | .0                 | 1.6  | .0   | 6.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 8.1                  |
| SSW         | .0                 | 1.6  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.6                  |
| SW          | .0                 | 1.6  | .0   | 3.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 4.8                  |
| WSW         | .0                 | 1.6  | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 1.6                  |
| W           | .0                 | 1.6  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  |
| WNW         | .0                 | .0   | .0   | 3.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | 3.2                  |
| NW          | .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                   |
| CALM        | .0                 | 22.6 |      |      |       |     |       |    |       |    |       |    |     |    | 22.6                 |
| TOTAL       | .1                 | 59.7 | .0   | 38.7 | .0    | 1.6 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .1 | 100                  |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 3.5                  |

CEILING VISIBILITY

WIND GRAPH



MEM MEMPHIS, TN

CLASS B NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: MEM MEMPHIS, TN

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 3493

NO. OBS.: 118

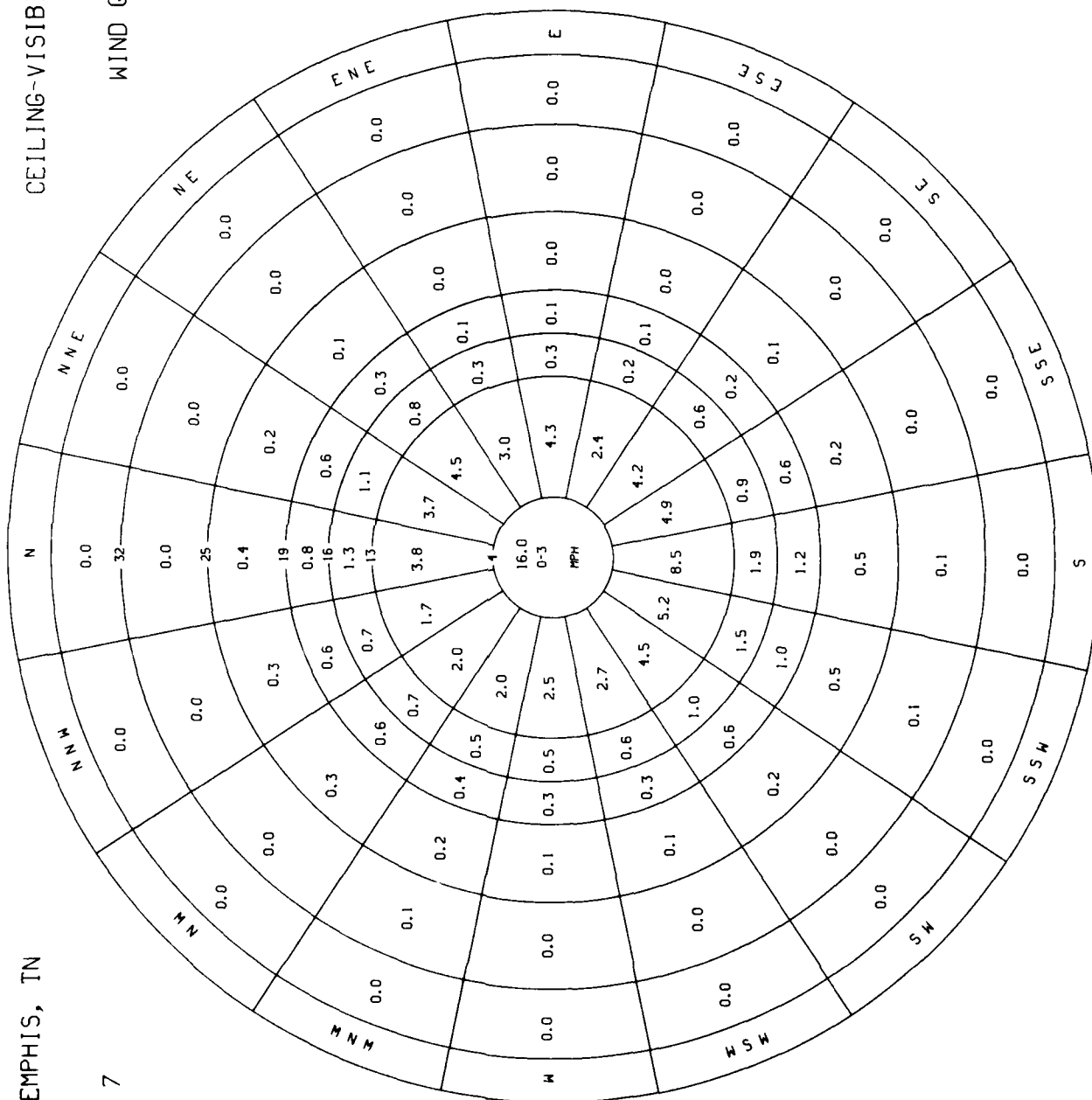
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |
|-------------|--------------------|------|------|------|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    |                      | TOTAL |      |
|             | A                  | B    | A    | B    | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |       | C    |
| N           | .0                 | .0   | .0   | 5.9  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.9   | 7.3  |
| NNE         | .0                 | .0   | .0   | 3.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.4   | 7.5  |
| NNE         | .0                 | .8   | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.5   | 6.0  |
| ENE         | .0                 | 1.7  | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.2   | 6.2  |
| E           | .0                 | 2.5  | .0   | 8.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 11.0  | 5.4  |
| ESE         | .0                 | 1.7  | .0   | 4.2  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.9   | 5.3  |
| SE          | .0                 | .0   | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.7   | 9.0  |
| SSE         | .0                 | 3.4  | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.9   | 4.7  |
| S           | .0                 | 2.5  | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.1   | 4.5  |
| SSW         | .0                 | 4.2  | .0   | 2.5  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.8   | 4.0  |
| SW          | .0                 | 2.5  | .0   | 5.1  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.6   | 5.4  |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0   |
| W           | .0                 | 2.5  | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.2   | 5.2  |
| WNW         | .0                 | .0   | .0   | 3.4  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.4   | 6.3  |
| NW          | .0                 | .8   | .0   | 1.7  | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.5   | 6.7  |
| NNW         | .0                 | .8   | .0   | .0   | .0    | .0 | .0    | .0 | .0    | .0 | .0    | .8 | .0  | .0 | .0                   | 1.7   | 14.5 |
| CALM        | .1                 | 28.0 |      |      |       |    |       |    |       |    |       |    |     |    | .1                   | 28.0  |      |
| TOTAL       | .1                 | 51.7 | .1   | 47.5 | .0    | .0 | .0    | .0 | .0    | .0 | .8    | .0 | .0  | .0 | .3                   | 100   | 4.2  |

CEILING-VISIBILITY

WIND GRAPH

MEM MEMPHIS, TN

CLASS 7

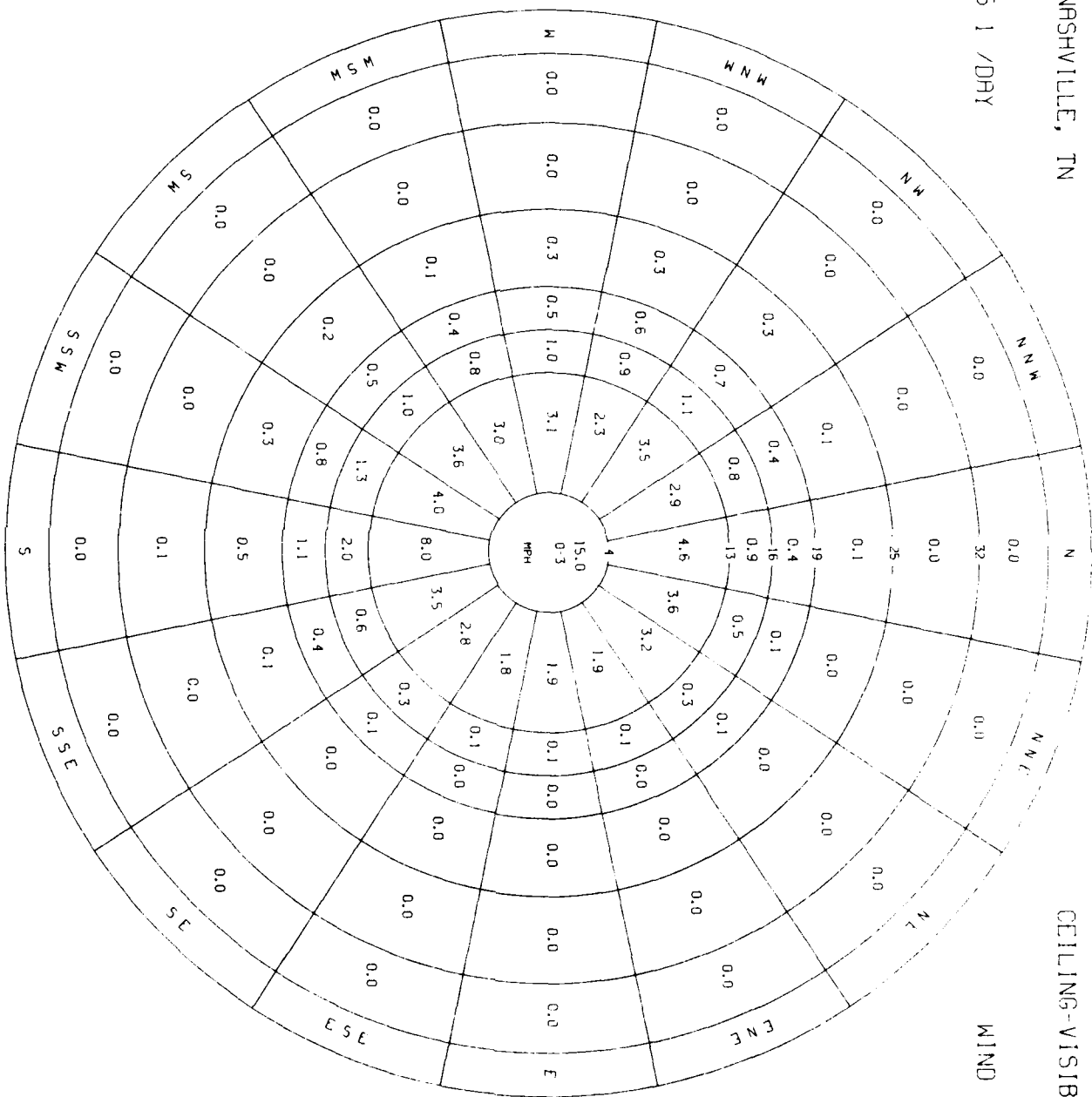


BNR NASHVILLE, TN

CLASS 1 / DRY

CEILING-VISIBILITY

WIND GRAPH

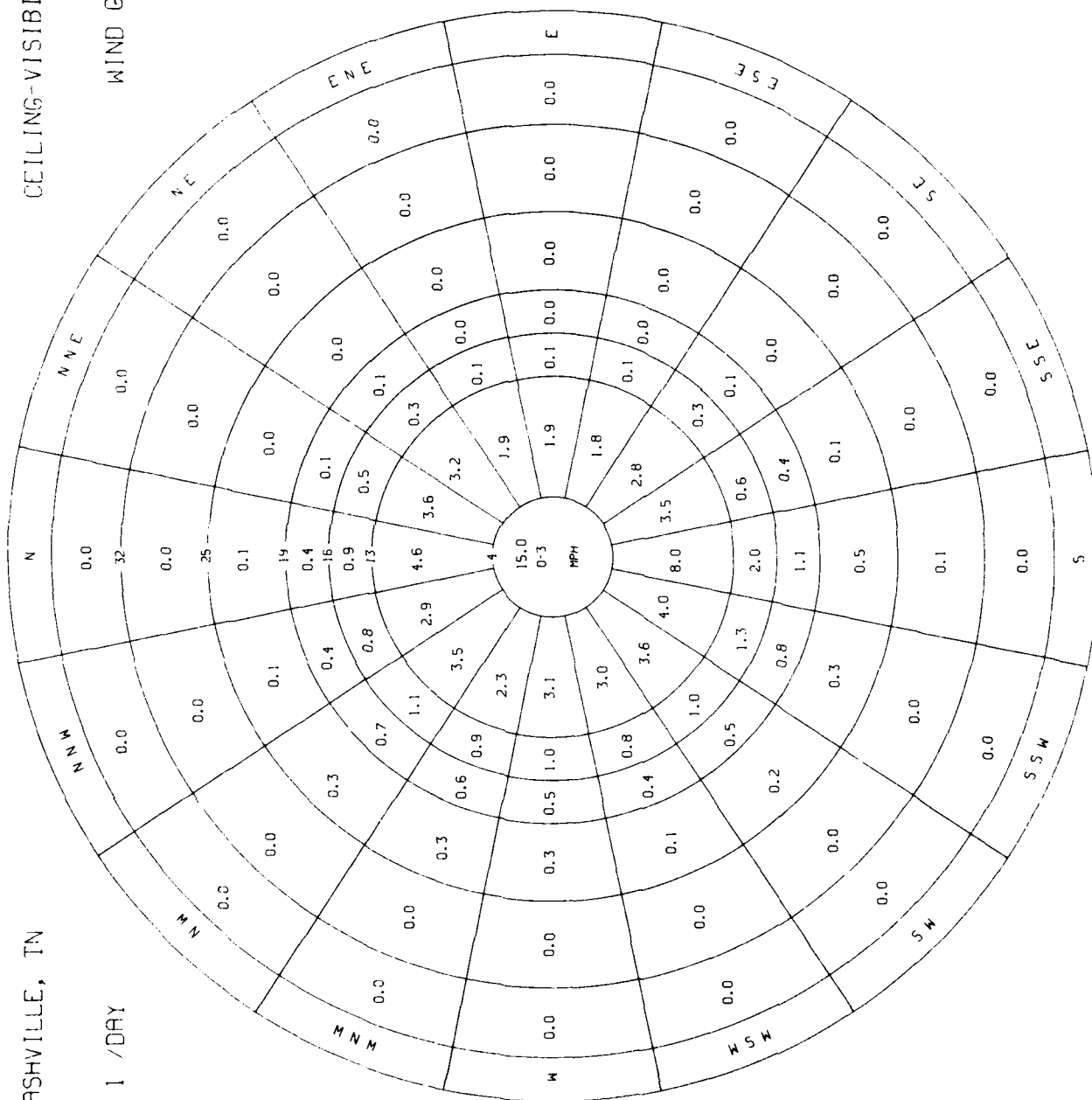


CEILING-VISIBILITY

WIND GRAPH

BNA NASHVILLE, TN

CLASS 1 /DAY



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 1 / DAY

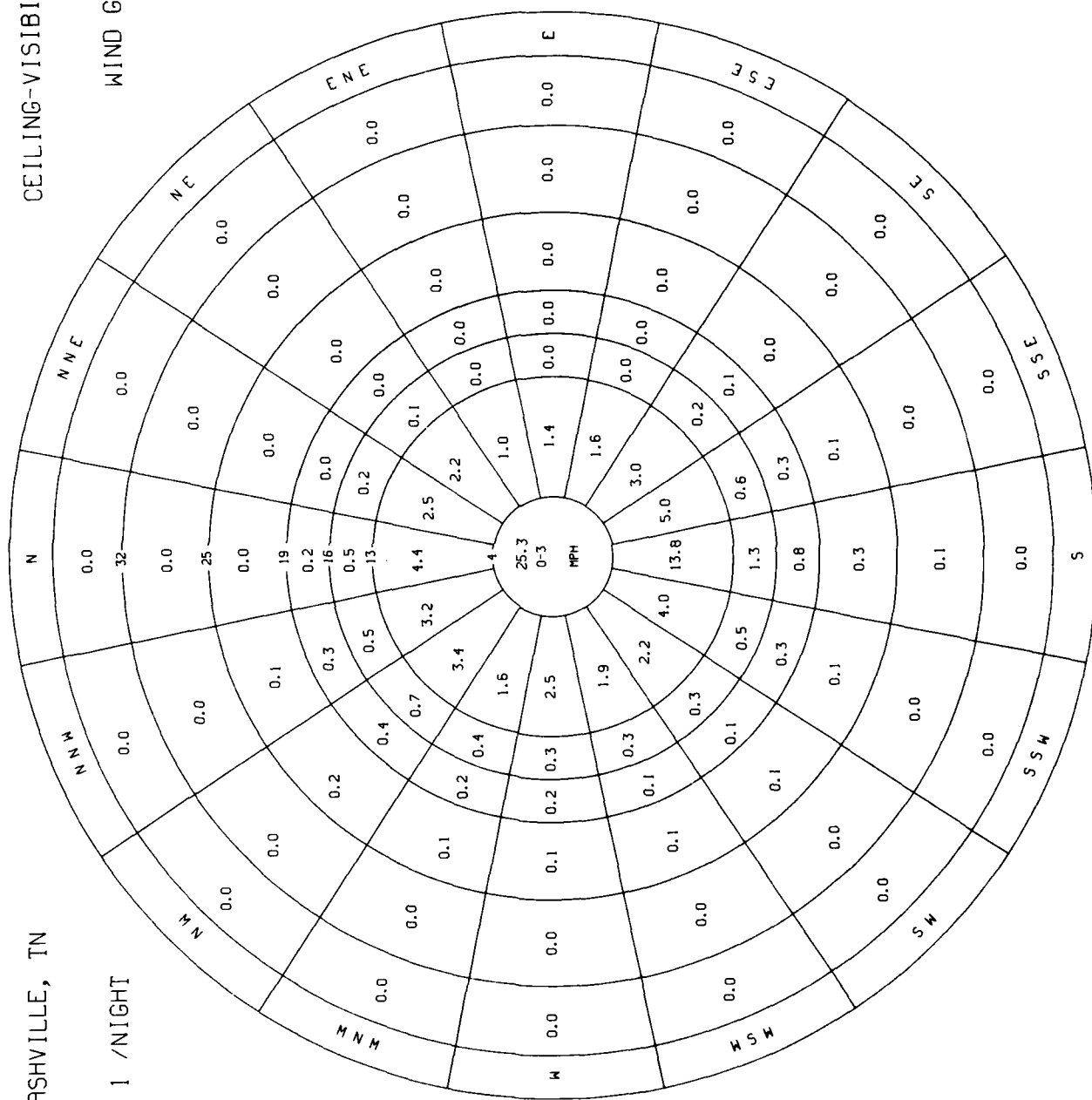
STATION NUMBER: 13897

NO. OBS.: 43772

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      |
| N           | .8                 | .9   | 4.6  | 5.1  | .9    | 1.0  | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 6.8 7.6              |
| NNE         | .6                 | .7   | 3.6  | 4.0  | .5    | .6   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.9 5.5              |
| NENE        | .8                 | .9   | 3.2  | 3.5  | .3    | .4   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.4 4.9              |
| ENE         | .6                 | .7   | 1.9  | 2.1  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.6 2.9              |
| E           | 1.0                | 1.1  | 1.9  | 2.2  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.0 3.3              |
| ESE         | .8                 | 1.0  | 1.8  | 2.0  | .1    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.8 3.1              |
| SE          | 1.1                | 1.2  | 2.8  | 3.1  | .3    | .3   | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.3 4.8              |
| SSE         | .8                 | .9   | 3.5  | 3.9  | .6    | .7   | .4    | .5  | .1    | .2  | .0    | .0 | .0  | .0 | 5.5 6.2              |
| S           | 1.3                | 1.4  | 8.0  | 9.0  | 2.0   | 2.3  | 1.1   | 1.3 | .5    | .5  | .1    | .1 | .0  | .0 | 13.0 14.6            |
| SSW         | .5                 | .5   | 4.0  | 4.5  | 1.3   | 1.5  | .8    | .9  | .3    | .3  | .0    | .0 | .0  | .0 | 6.9 7.7              |
| SW          | .6                 | .7   | 3.6  | 4.0  | 1.0   | 1.1  | .5    | .6  | .2    | .2  | .0    | .0 | .0  | .0 | 5.9 6.6              |
| WSW         | .5                 | .5   | 3.0  | 3.3  | .8    | .9   | .4    | .5  | .1    | .1  | .0    | .0 | .0  | .0 | 4.8 5.4              |
| W           | .5                 | .5   | 3.1  | 3.5  | 1.0   | 1.1  | .5    | .6  | .3    | .3  | .0    | .0 | .0  | .0 | 5.4 6.0              |
| WNW         | .3                 | .4   | 2.3  | 2.6  | .9    | 1.0  | .6    | .6  | .3    | .3  | .0    | .0 | .0  | .0 | 4.4 5.0              |
| NW          | .6                 | .6   | 3.5  | 4.0  | 1.1   | 1.2  | .7    | .8  | .3    | .3  | .0    | .0 | .0  | .0 | 6.2 7.0              |
| NNW         | .4                 | .5   | 2.9  | 3.3  | .8    | .9   | .4    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 4.6 5.2              |
| CALM        | 3.8                | 4.2  |      |      |       |      |       |     |       |     |       |    |     |    | 3.8 4.2              |
| TOTAL       | 15.0               | 16.8 | 53.7 | 60.3 | 11.8  | 13.2 | 6.1   | 6.8 | 2.3   | 2.5 | .3    | .3 | .0  | .0 | 89.1 100             |

BNR NASHVILLE, TN

CLASS 1 /NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 1 / NIGHT

STATION NUMBER: 13897

NO. OBS.: 37049

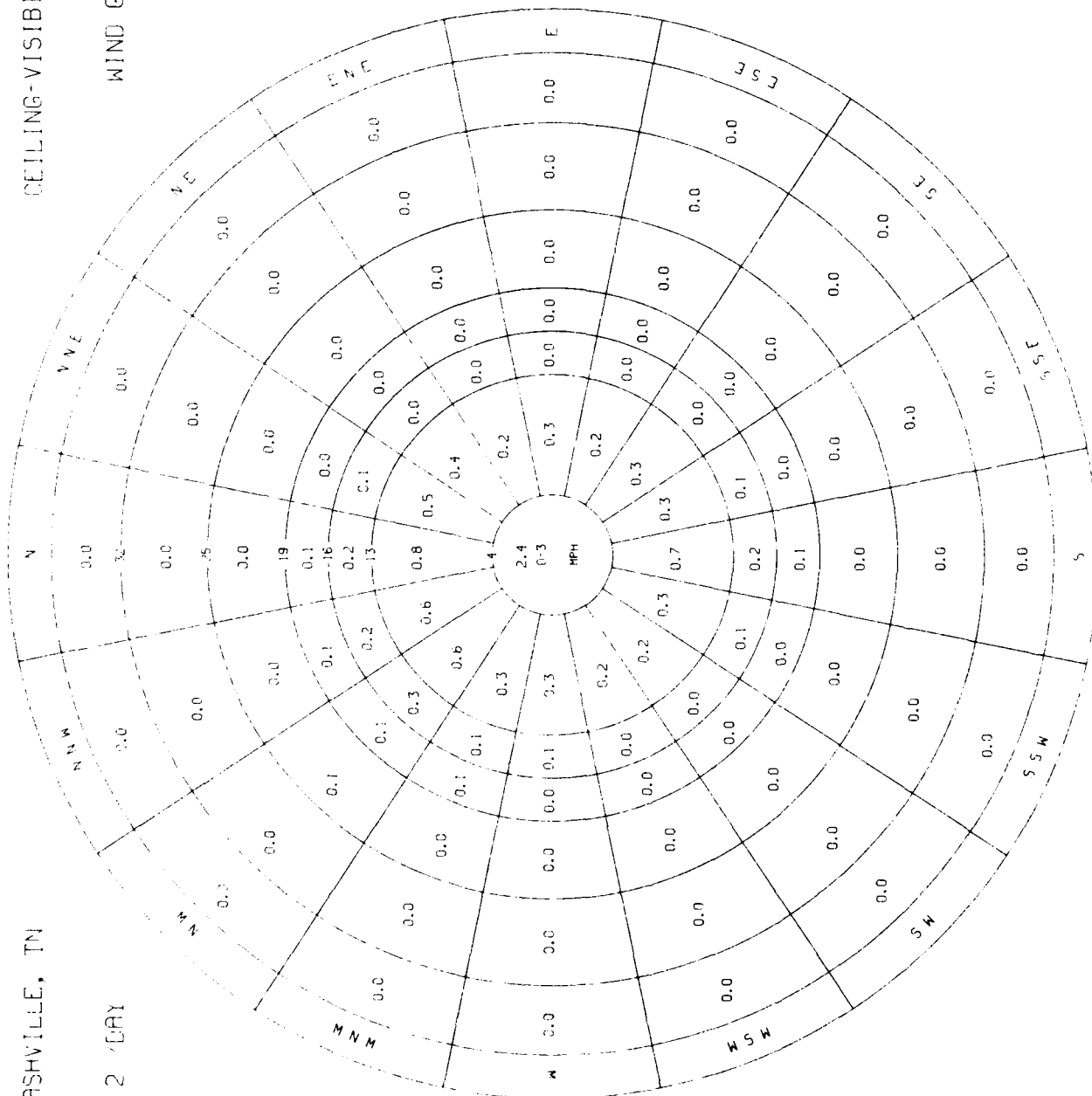
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |     |       |    |     |    |       |      |     |  | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-------|----|-----|----|-------|------|-----|--|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    | TOTAL |      |     |  |                      |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B   | A     | B  | A   | B  | C     | D    |     |  |                      |
| N           | 1.2                | 1.3  | 4.4  | 4.9  | .5    | .6  | .2    | .3  | .0    | .0  | .0    | .0 | .0  | .0 | 6.3   | 7.1  | 7.4 |  |                      |
| NNE         | .8                 | .9   | 2.5  | 2.8  | .2    | .2  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.5   | 4.0  | 6.6 |  |                      |
| NE          | 1.0                | 1.1  | 2.2  | 2.4  | .1    | .1  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 3.3   | 3.6  | 5.7 |  |                      |
| ENE         | .8                 | .8   | 1.0  | 1.1  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 1.8   | 2.0  | 4.8 |  |                      |
| E           | 1.2                | 1.4  | 1.4  | 1.5  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.6   | 2.9  | 4.5 |  |                      |
| ESE         | 1.1                | 1.3  | .6   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | 2.8   | 3.1  | 4.9 |  |                      |
| SE          | 1.6                | 1.8  | 3.0  | 3.4  | .2    | .2  | .1    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | 4.9   | 5.5  | 5.9 |  |                      |
| SSE         | 1.5                | 1.6  | 5.0  | 5.6  | .6    | .7  | .3    | .4  | .1    | .1  | .0    | .0 | .0  | .0 | 7.6   | 8.5  | 7.8 |  |                      |
| S           | 2.8                | 3.2  | 13.8 | 15.4 | 1.3   | 1.5 | .8    | .9  | .3    | .4  | .1    | .1 | .0  | .0 | 19.1  | 21.4 | 7.8 |  |                      |
| SSW         | .9                 | 1.1  | 4.0  | 4.5  | .5    | .5  | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 5.8   | 6.5  | 7.9 |  |                      |
| SW          | .9                 | 1.0  | 2.2  | 2.5  | .3    | .3  | .1    | .1  | .1    | .1  | .0    | .0 | .0  | .0 | 3.6   | 4.0  | 7.1 |  |                      |
| WSW         | .6                 | .7   | 1.9  | 2.2  | .3    | .3  | .1    | .1  | .1    | .1  | .0    | .0 | .0  | .0 | 3.0   | 3.4  | 7.6 |  |                      |
| W           | .5                 | .6   | 2.5  | 2.7  | .3    | .3  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 3.6   | 4.0  | 8.2 |  |                      |
| WNW         | .4                 | .4   | 1.6  | 1.7  | .4    | .5  | .2    | .2  | .1    | .1  | .0    | .0 | .0  | .0 | 2.6   | 3.0  | 9.4 |  |                      |
| NW          | .5                 | .6   | 3.4  | 3.8  | .7    | .8  | .4    | .5  | .2    | .2  | .0    | .0 | .0  | .0 | 5.3   | 5.9  | 9.5 |  |                      |
| NNW         | .7                 | .7   | 3.2  | 3.6  | .5    | .6  | .3    | .3  | .1    | .1  | .0    | .0 | .0  | .0 | 4.8   | 5.4  | 8.5 |  |                      |
| CALM        | 8.8                | 9.8  |      |      |       |     |       |     |       |     |       |    |     |    | 8.8   | 9.8  |     |  |                      |
| TOTAL       | 25.3               | 28.3 | 53.7 | 60.1 | 6.0   | 6.7 | 3.1   | 3.5 | 1.1   | 1.2 | .2    | .2 | .0  | .0 | 89.4  | 100  | 6.7 |  |                      |

CEILING-VISIBILITY

WIND GRAPH

BNA NASHVILLE, TN

CLASS 2 DAY





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: 604 NASHVILLE, TN

PERIOD: 1948-1978

CLASS 2 (PA)

STATION NUMBER: 1069

NO. OBS.: 5355

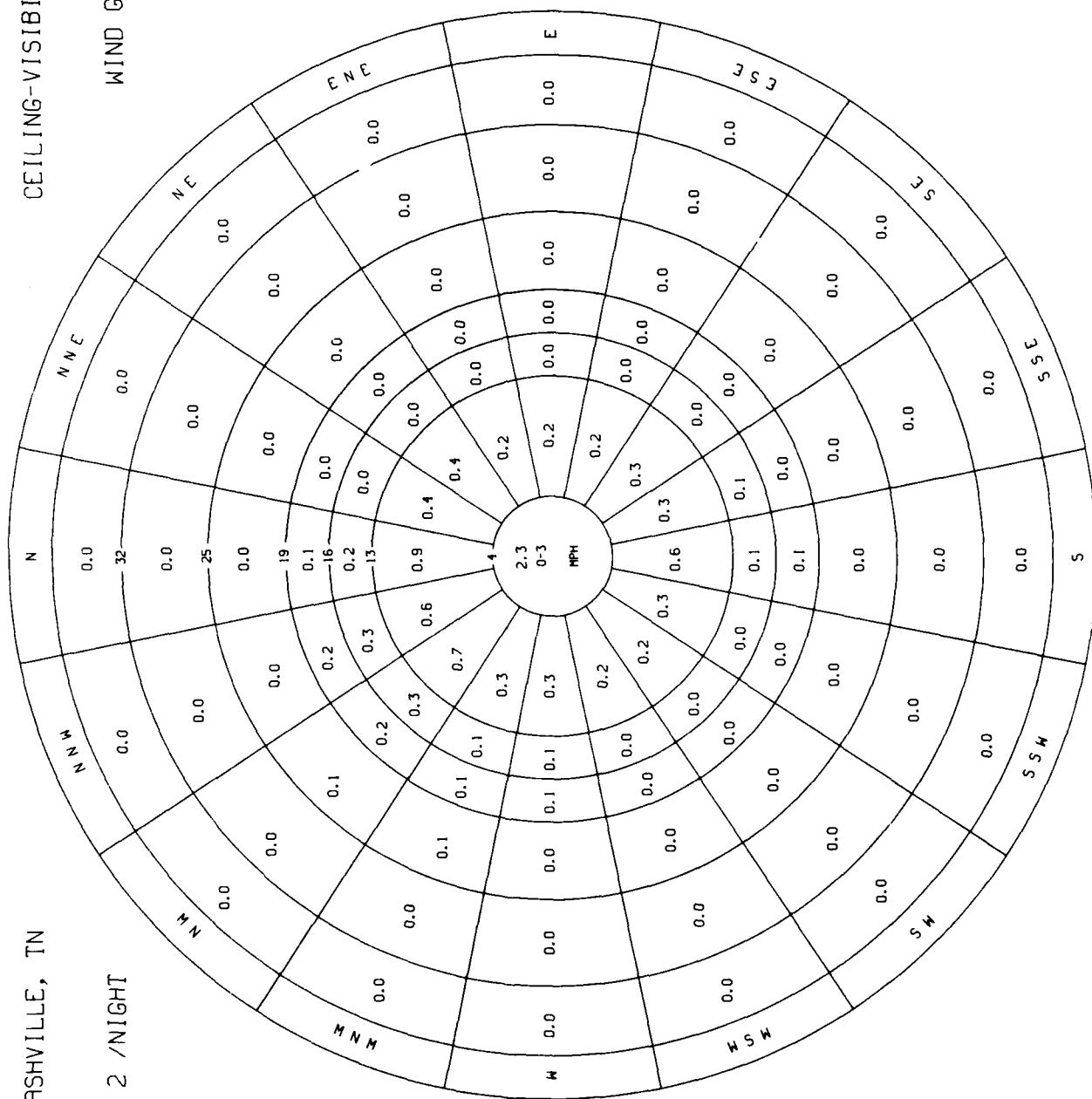
|       | SPEED GROUPS (MPH) |    |      |    |       |    |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------|--------------------|----|------|----|-------|----|-------|----|-------|----|-------|----|-----|----|----------------------|
|       | 0-3                |    | 4-12 |    | 13-15 |    | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|       | A                  | B  | A    | B  | A     | B  | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N     | 1                  | 3  | 5    | 2  | 2     | 1  | 1     | 7  | 0     | 1  | 0     | 0  | 0   | 0  | 1.2 11.1             |
| NNE   | 1                  | 1  | 5    | 4  | 1     | 5  | 0     | 1  | 0     | 0  | 0     | 0  | 0   | 0  | 7 6.3                |
| NNE   | 5                  | 5  | 4    | 3  | 0     | 4  | 0     | 1  | 0     | 0  | 0     | 0  | 0   | 0  | 5 4.6                |
| ENE   | 1                  | 8  | 2    | 2  | 0     | 1  | 0     | 0  | 0     | 0  | 0     | 0  | 0   | 0  | 3 3.0                |
| E     | 1                  | 1  | 3    | 2  | 0     | 1  | 0     | 0  | 0     | 0  | 0     | 0  | 0   | 0  | 4 3.5                |
| ESE   | 1                  | 1  | 2    | 2  | 0     | 1  | 0     | 1  | 0     | 0  | 0     | 0  | 0   | 0  | 3 3.1                |
| SSE   | 1                  | 4  | 3    | 2  | 0     | 0  | 0     | 1  | 0     | 0  | 0     | 0  | 0   | 0  | 5 4.5                |
| SSE   | 1                  | 1  | 2    | 2  | 0     | 1  | 0     | 2  | 0     | 0  | 0     | 0  | 0   | 0  | 5 5.0                |
| SSE   | 1                  | 5  | 2    | 3  | 1     | 7  | 0     | 2  | 0     | 0  | 0     | 0  | 0   | 0  | 1.1 10.4             |
| SSE   | 1                  | 1  | 3    | 3  | 1     | 7  | 0     | 4  | 0     | 0  | 0     | 0  | 0   | 0  | 9 9.3                |
| SW    | 1                  | 5  | 2    | 2  | 0     | 4  | 0     | 5  | 0     | 1  | 0     | 0  | 0   | 0  | 4 3.4                |
| WSW   | 1                  | 4  | 3    | 2  | 0     | 2  | 0     | 2  | 0     | 0  | 0     | 0  | 0   | 0  | 3 3.1                |
| W     | 1                  | 8  | 3    | 2  | 0     | 1  | 0     | 3  | 0     | 0  | 0     | 0  | 0   | 0  | 5 4.3                |
| WNW   | 1                  | 4  | 3    | 2  | 0     | 2  | 0     | 2  | 0     | 0  | 0     | 0  | 0   | 0  | 5 4.3                |
| WNW   | 1                  | 0  | 3    | 2  | 0     | 2  | 0     | 1  | 0     | 0  | 0     | 0  | 0   | 0  | 1.1 10.3             |
| WNW   | 1                  | 0  | 3    | 2  | 0     | 2  | 0     | 1  | 0     | 0  | 0     | 0  | 0   | 0  | 1.1 10.3             |
| WNW   | 1                  | 7  | 3    | 2  | 0     | 1  | 0     | 2  | 0     | 0  | 0     | 0  | 0   | 0  | 1.0 9.1              |
| WNW   | 1                  | 3  | 3    | 2  | 0     | 1  | 0     | 1  | 0     | 0  | 0     | 0  | 0   | 0  | 5 4.3                |
| TOTAL | 10                 | 40 | 10   | 40 | 10    | 40 | 10    | 40 | 10    | 40 | 10    | 40 | 10  | 40 | 6.2                  |

CEILING-VISIBILITY

WIND GRAPH

BNA NASHVILLE, TN

CLASS 2 / NIGHT



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 2 / NIGHT

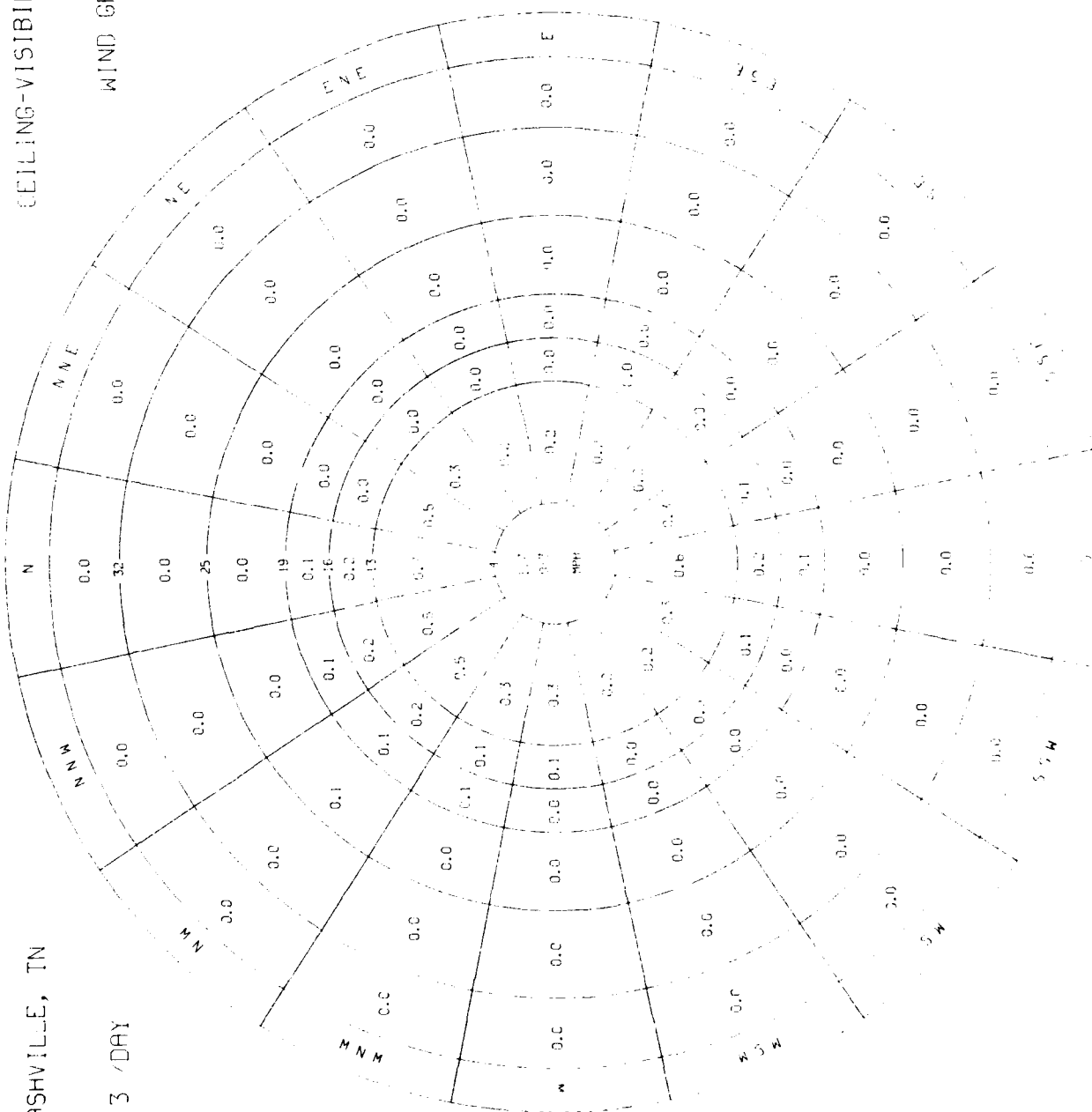
STATION NUMBER: 13897

NO. OBS.: 4403

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    | AVG<br>WIND<br>SPEED |       |      |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|----------------------|-------|------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 19-24 |     | 25-31 |    | 32+ |    |                      | TOTAL |      |      |
|             | A                  | B    | A    | B    | A     | B    | A     | B   | A     | B   | A     | B  | A   | B  |                      | C     | D    |      |
| N           | .1                 | 1.1  | .9   | 8.5  | .2    | 2.3  | .1    | .6  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | 1.4   | 12.8 | 9.5  |
| NNE         | .1                 | 1.1  | .4   | 3.7  | .0    | .3   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .6    | 5.2  | 7.2  |
| NE          | .1                 | 1.2  | .4   | 3.3  | .0    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .5    | 4.7  | 6.2  |
| ENE         | .1                 | .8   | .2   | 1.7  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 2.5  | 5.7  |
| E           | .1                 | .9   | .2   | 2.0  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 2.9  | 5.5  |
| ESE         | .1                 | 1.1  | .2   | 1.7  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 3.0  | 5.8  |
| SE          | .1                 | .9   | .3   | 2.5  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .4    | 3.8  | 6.9  |
| SSE         | .1                 | .6   | .3   | 2.8  | .1    | .7   | .0    | .4  | .0    | .2  | .0    | .0 | .0  | .0 | .0                   | .5    | 4.7  | 9.6  |
| S           | .1                 | 1.3  | .6   | 5.3  | .1    | 1.2  | .1    | .7  | .0    | .2  | .0    | .0 | .0  | .0 | .0                   | .9    | 8.6  | 8.8  |
| SSW         | .1                 | .5   | .3   | 2.4  | .0    | .3   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .0                   | .4    | 3.5  | 8.3  |
| SW          | .1                 | .5   | .2   | 1.7  | .0    | .1   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 2.6  | 7.6  |
| WSW         | .0                 | .4   | .2   | 2.0  | .0    | .3   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .0                   | .3    | 3.0  | 8.5  |
| W           | .1                 | .7   | .3   | 3.2  | .1    | .6   | .1    | .6  | .0    | .2  | .0    | .0 | .0  | .0 | .0                   | .6    | 5.3  | 9.5  |
| WNW         | .0                 | .4   | .3   | 3.0  | .1    | 1.2  | .1    | .8  | .1    | .5  | .0    | .1 | .0  | .0 | .0                   | .6    | 6.0  | 12.0 |
| NW          | .1                 | .7   | .7   | 6.3  | .3    | 2.4  | .2    | 1.7 | .1    | .7  | .0    | .1 | .0  | .0 | .0                   | 1.3   | 12.0 | 11.2 |
| NNW         | .1                 | .7   | .6   | 5.8  | .3    | 2.8  | .2    | 1.7 | .0    | .2  | .0    | .1 | .0  | .0 | .0                   | 1.2   | 11.2 | 11.2 |
| CALM        | .9                 | 8.2  |      |      |       |      |       |     |       |     |       |    |     |    |                      | .9    | 8.2  |      |
| TOTAL       | 2.3                | 21.2 | 5.9  | 55.9 | 1.4   | 12.9 | .8    | 7.3 | .2    | 2.2 | .0    | .3 | .0  | .0 | .0                   | 10.6  | 100  | 8.4  |

CEILING-VISIBILITY

WIND GRAPH



BNA NASHVILLE, TN

CLASS 3 / DAY

# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: 6NA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 3 / DAY

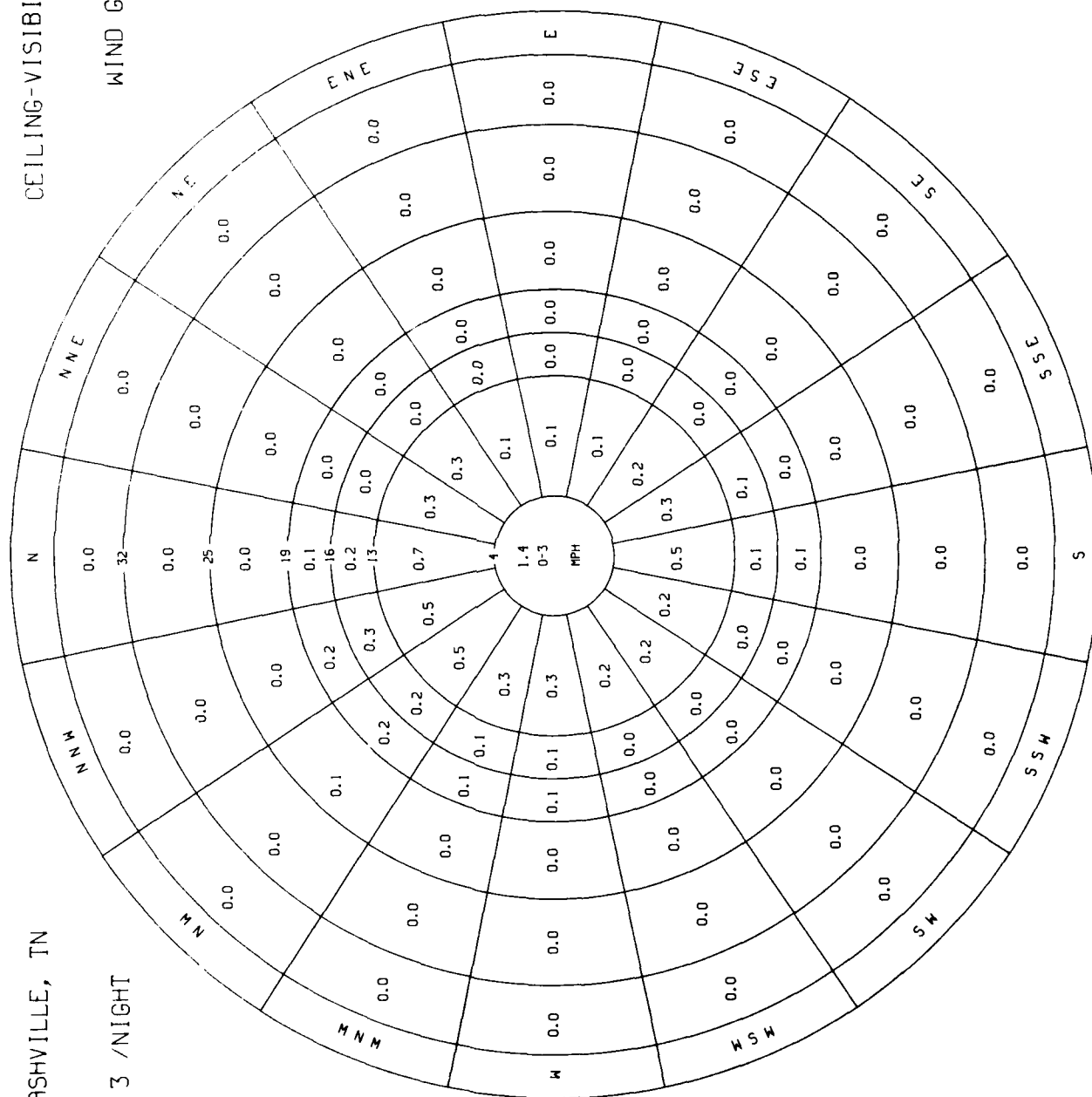
STATION NUMBER: 13597

NO. OBS.: 4612

| SPEED GROUPS (MPH) |   |   |      |   |   |       |   |   |       |   |   |       |   |   |       |   |   |     |   |   |       |   |    |      | AVG<br>WIND<br>SPEED |
|--------------------|---|---|------|---|---|-------|---|---|-------|---|---|-------|---|---|-------|---|---|-----|---|---|-------|---|----|------|----------------------|
| 0-3                |   |   | 4-12 |   |   | 13-15 |   |   | 16-18 |   |   | 19-24 |   |   | 25-31 |   |   | 32+ |   |   | TOTAL |   |    |      |                      |
| A                  | B | C | A    | B | C | A     | B | C | A     | B | C | A     | B | C | A     | B | C | A   | B | C | D     | C | D  |      |                      |
| 1                  | 1 | 1 | 7    | 7 | 2 | 2     | 1 | 2 | 1     | 7 | 1 | 0     | 2 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 1     | 0 | 1  | 1    | 9.6                  |
| 2                  | 1 | 1 | 5    | 4 | 9 | 0     | 5 | 0 | 0     | 1 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 6     | 6 | 5  | 7.7  |                      |
| 3                  | 1 | 7 | 3    | 3 | 3 | 0     | 3 | 0 | 1     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 4     | 4 | 4  | 7.3  |                      |
| 4                  | 1 | 6 | 2    | 2 | 0 | 0     | 1 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 3     | 2 | 7  | 6.4  |                      |
| 5                  | 1 | 8 | 2    | 2 | 5 | 0     | 1 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 3     | 3 | 5  | 6.6  |                      |
| 6                  | 1 | 5 | 2    | 2 | 0 | 0     | 1 | 0 | 1     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 3     | 2 | 9  | 6.6  |                      |
| 7                  | 1 | 3 | 2    | 2 | 6 | 0     | 3 | 0 | 2     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 4     | 4 | 4  | 6.8  |                      |
| 8                  | 1 | 9 | 3    | 3 | 1 | 1     | 9 | 0 | 4     | 0 | 2 | 0     | 2 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 5     | 5 | 5  | 9.2  |                      |
| 9                  | 1 | 2 | 6    | 5 | 0 | 2     | 2 | 0 | 1     | 0 | 3 | 0     | 3 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 1     | 0 | 1  | 1    | 9.3                  |
| 10                 | 1 | 5 | 1    | 2 | 9 | 1     | 0 | 0 | 5     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 4     | 4 | 7  | 9.7  |                      |
| 11                 | 1 | 5 | 1    | 2 | 3 | 0     | 6 | 0 | 2     | 0 | 1 | 0     | 1 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 3     | 3 | 6  | 9.2  |                      |
| 12                 | 1 | 3 | 2    | 2 | 5 | 0     | 2 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 3     | 3 | 3  | 8.2  |                      |
| 13                 | 1 | 3 | 3    | 3 | 3 | 1     | 1 | 0 | 3     | 0 | 3 | 0     | 2 | 0 | 0     | 0 | 0 | 0   | 0 | 0 | 5     | 5 | 1  | 9.6  |                      |
| 14                 | 1 | 3 | 3    | 2 | 8 | 1     | 0 | 1 | 7     | 0 | 3 | 0     | 3 | 0 | 1     | 0 | 0 | 0   | 0 | 0 | 5     | 5 | 1  | 11.4 |                      |
| 15                 | 1 | 3 | 3    | 5 | 6 | 0     | 4 | 0 | 1     | 1 | 2 | 1     | 5 | 0 | 1     | 0 | 0 | 0   | 0 | 0 | 1     | 0 | 10 | 6    | 11.6                 |
| 16                 | 1 | 2 | 5    | 3 | 1 | 0     | 2 | 1 | 1     | 2 | 0 | 3     | 0 | 3 | 0     | 0 | 0 | 0   | 0 | 0 | 9     | 9 | 5  | 11.0 |                      |
| 17                 | 1 | 2 | 5    | 2 | 1 | 1     | 2 | 1 | 1     | 2 | 0 | 3     | 0 | 3 | 0     | 0 | 0 | 0   | 0 | 0 | 6     | 6 | 2  | 8.7  |                      |

CEILING-VISIBILITY

WIND GRAPH



BNA NASHVILLE, TN

CLASS 3 / NIGHT

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 3 / NIGHT

STATION NUMBER: 13897

NO. OBS.: 3531

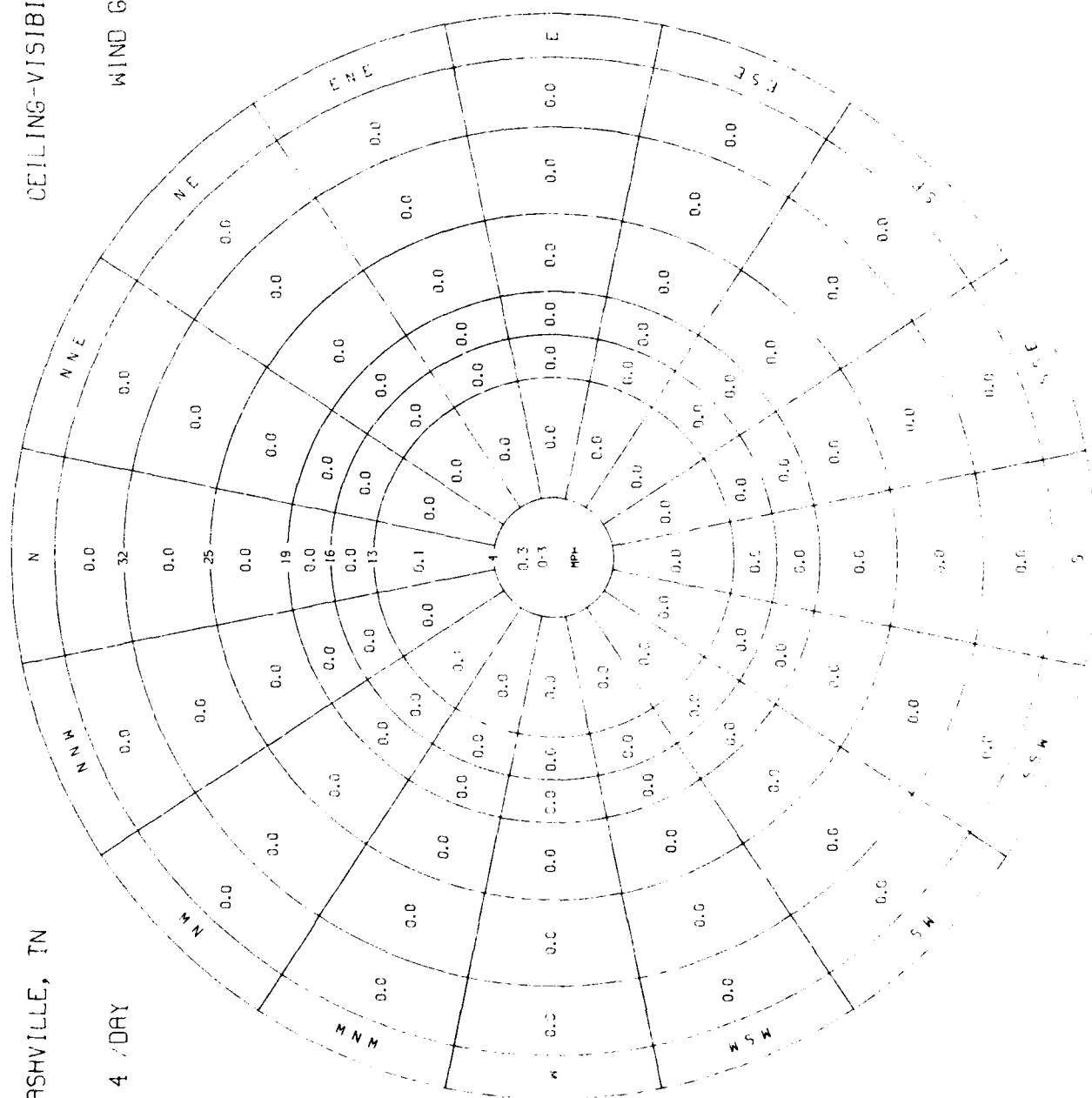
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |      |       |     |       |     |       |    |     |    |       | AVG<br>WIND<br>SPEED |      |
|-------------|--------------------|------|------|------|-------|------|-------|-----|-------|-----|-------|----|-----|----|-------|----------------------|------|
|             | 0-3                |      | 4-12 |      | 13-15 |      | 16-18 |     | 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   | .7   | 8.6  | .2    | 2.7  | .1    | .7  | .0    | .1  | .0    | .0 | .0  | .0 | 1.1   | 13.0                 | 9.9  |
| NNE         | .1                 | .9   | .3   | 3.9  | .0    | .4   | .0    | .1  | .0    | .0  | .0    | .0 | .0  | .0 | .5    | 5.3                  | 7.5  |
| NE          | .1                 | 1.1  | .3   | 3.1  | .0    | .2   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .4    | 4.4                  | 6.5  |
| ENE         | .0                 | .5   | .1   | 1.6  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.2                  | 6.3  |
| E           | .1                 | .6   | .1   | 1.7  | .0    | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.4                  | 5.7  |
| ESE         | .1                 | .9   | .1   | 1.4  | .0    | .1   | .0    | .0  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.6                  | 6.2  |
| SE          | .1                 | .8   | .2   | 2.6  | .0    | .3   | .0    | .1  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 3.9                  | 7.3  |
| SSE         | .0                 | .5   | .3   | 2.9  | .1    | .9   | .0    | .5  | .0    | .2  | .0    | .0 | .0  | .0 | .4    | 5.1                  | 10.2 |
| S           | .1                 | 1.2  | .5   | 5.7  | .1    | 1.4  | .1    | .8  | .0    | .2  | .0    | .0 | .0  | .0 | .8    | 9.4                  | 9.2  |
| SSW         | .0                 | .5   | .2   | 2.7  | .0    | .4   | .0    | .2  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 3.9                  | 8.7  |
| SW          | .0                 | .5   | .2   | 1.8  | .0    | .2   | .0    | .2  | .0    | .0  | .0    | .0 | .0  | .0 | .2    | 2.7                  | 8.0  |
| WSW         | .0                 | .4   | .2   | 2.1  | .0    | .4   | .0    | .3  | .0    | .1  | .0    | .0 | .0  | .0 | .3    | 3.3                  | 9.0  |
| W           | .1                 | .7   | .3   | 3.4  | .1    | .7   | .1    | .7  | .0    | .2  | .0    | .1 | .0  | .0 | .5    | 5.6                  | 9.9  |
| WNW         | .0                 | .3   | .3   | 2.9  | .1    | 1.4  | .1    | 1.0 | .0    | .6  | .0    | .1 | .0  | .0 | .5    | 6.3                  | 12.7 |
| NW          | .0                 | .4   | .5   | 6.3  | .2    | 2.7  | .2    | 2.1 | .1    | .8  | .0    | .1 | .0  | .0 | 1.1   | 12.4                 | 11.9 |
| NNW         | .0                 | .6   | .5   | 5.9  | .3    | 3.2  | .2    | 2.0 | .0    | .3  | .0    | .1 | .0  | .0 | 1.0   | 12.0                 | 11.7 |
| CALM        | .5                 | 5.6  |      |      |       |      |       |     |       |     |       |    |     |    | .5    | 5.6                  |      |
| TOTAL       | 1.4                | 16.4 | 4.8  | 56.7 | 1.3   | 15.2 | .7    | 8.7 | .2    | 2.7 | .0    | .4 | .0  | .0 | 8.5   | 100                  | 9.2  |

# CEILING-VISIBILITY

## WIND GRAPH

BNA NASHVILLE, TN

CLASS 4 / DAY





# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 4 / DAY

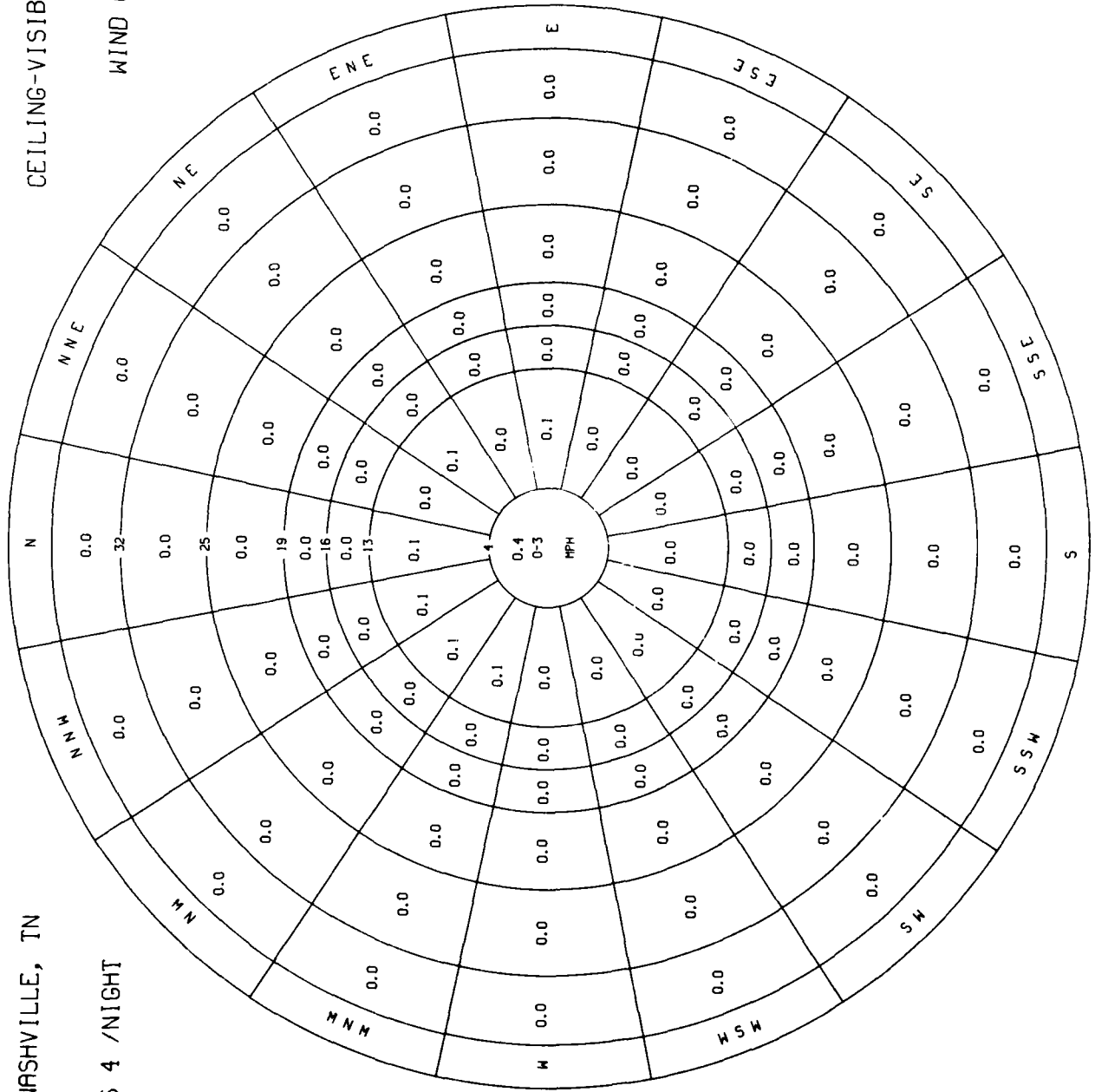
STATION NUMBER: 13397

NO. OBS.: 446

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B   | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.2  | .1   | 9.9  | .0    | .7  | .0    | .9  | .0    | .2 | .0    | .0 | .0  | .0 | .1 13.9              |
| NNE         | .0                 | 2.0  | .0   | 3.1  | .0    | .4  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.6               |
| NE          | .0                 | 1.3  | .0   | 4.9  | .0    | .7  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .1 7.2               |
| ENE         | .0                 | 1.6  | .0   | 2.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.3               |
| E           | .0                 | 2.9  | .0   | 3.1  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 6.3               |
| ESE         | .0                 | 1.3  | .0   | 4.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.8               |
| SE          | .0                 | 1.3  | .0   | 3.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.7               |
| SSE         | .0                 | .7   | .0   | 2.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.1               |
| S           | .0                 | 1.8  | .0   | 4.0  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .1 5.8               |
| SSW         | .0                 | .4   | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.2               |
| SW          | .0                 | .7   | .0   | 1.1  | .0    | .0  | .0    | .2  | .0    | .2 | .0    | .0 | .0  | .0 | .0 2.2               |
| WSW         | .0                 | .2   | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.3               |
| W           | .0                 | .7   | .0   | 2.9  | .0    | .0  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.8               |
| WNW         | .0                 | .9   | .0   | 2.5  | .0    | .4  | .0    | .0  | .0    | .2 | .0    | .0 | .0  | .0 | .0 4.0               |
| NW          | .0                 | .7   | .1   | 6.3  | .0    | 1.8 | .0    | .4  | .0    | .2 | .0    | .2 | .0  | .0 | .1 9.6               |
| NNW         | .0                 | 1.3  | .0   | 5.4  | .0    | .4  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .1 7.4               |
| CALM        | .1                 | 12.6 |      |      |       |     |       |     |       |    |       |    |     |    | .1 12.6              |
| TOTAL       | .3                 | 32.7 | .5   | 59.0 | .0    | 4.7 | .0    | 2.2 | .0    | .9 | .0    | .2 | .0  | .2 | .9 100               |
|             |                    |      |      |      |       |     |       |     |       |    |       |    |     |    | 6.3                  |

## CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 4 / NIGHT

STATION NUMBER: 13897

NO. OBS.: 542

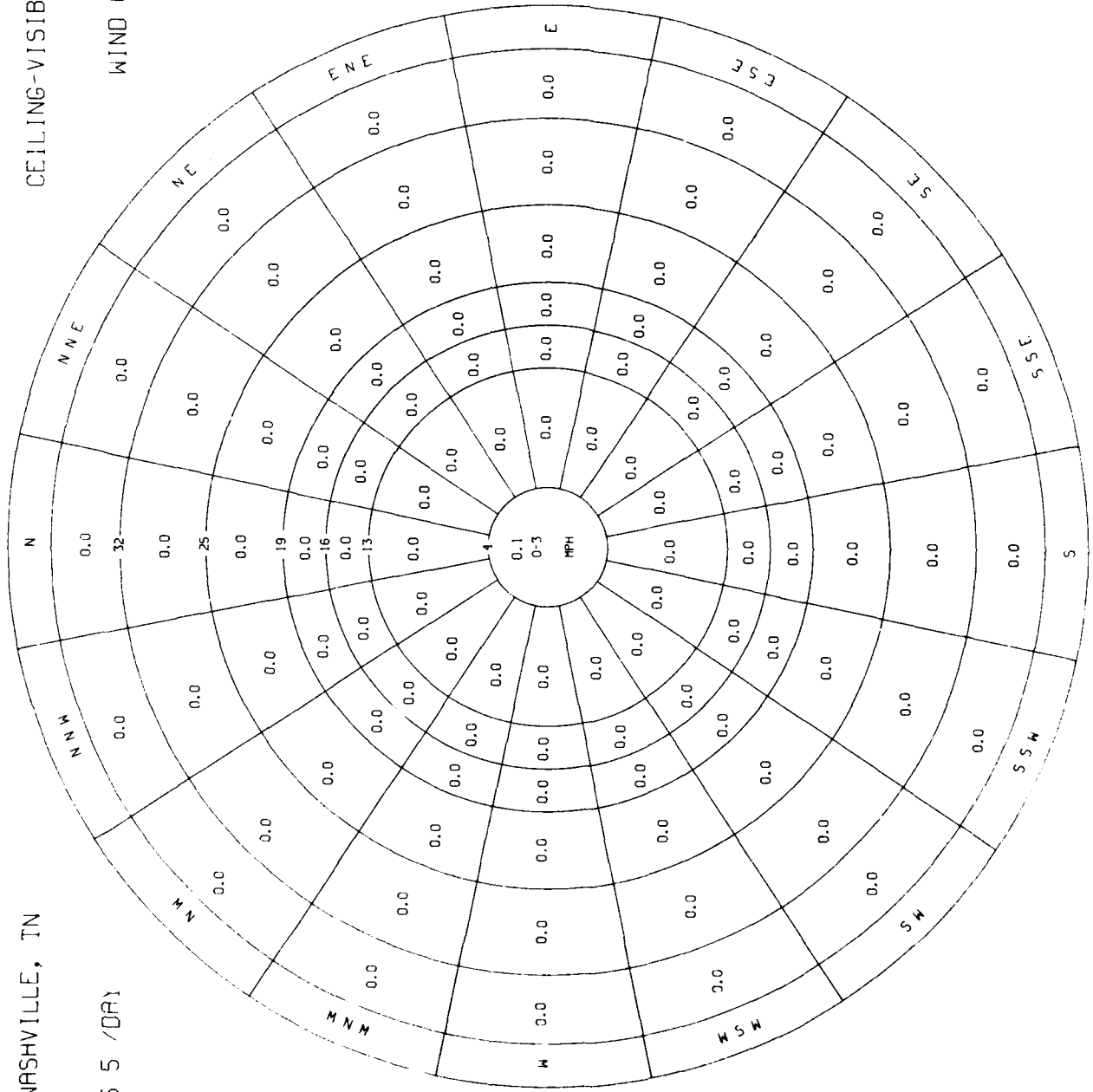
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    |       |     |      |     |  |  |  | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|-------|-----|------|-----|--|--|--|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 9.6  | .0    | 1.3 | .0    | .2  | .0    | .2 | .0    | .0 | .0  | .0 | .0    | .2  | 13.3 | 8.0 |  |  |  |                      |
| NNE         | .0                 | 1.8  | .0   | 3.1  | .0    | .0  | .0    | .4  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 5.4  | 6.5 |  |  |  |                      |
| NE          | .0                 | 1.7  | .1   | 5.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 7.0  | 5.5 |  |  |  |                      |
| ENE         | .0                 | 1.1  | .0   | 2.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 3.5  | 4.8 |  |  |  |                      |
| E           | .0                 | 1.1  | .1   | 4.2  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 5.5  | 5.8 |  |  |  |                      |
| ESE         | .0                 | .6   | .0   | 2.4  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 3.0  | 6.4 |  |  |  |                      |
| SE          | .0                 | 1.1  | .0   | 2.6  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 3.9  | 5.6 |  |  |  |                      |
| SSE         | .0                 | .6   | .0   | 3.1  | .0    | .2  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 3.9  | 6.8 |  |  |  |                      |
| S           | .0                 | .9   | .0   | 3.5  | .0    | .0  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 4.6  | 6.1 |  |  |  |                      |
| SSW         | .0                 | 1.1  | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 2.0  | 4.5 |  |  |  |                      |
| SW          | .0                 | .6   | .0   | 1.5  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 2.0  | 4.6 |  |  |  |                      |
| WSW         | .0                 | .4   | .0   | 1.7  | .0    | .0  | .0    | .2  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .0  | 2.2  | 6.2 |  |  |  |                      |
| W           | .0                 | .9   | .0   | 3.3  | .0    | .4  | .0    | .2  | .0    | .4 | .0    | .0 | .0  | .0 | .0    | .1  | 5.2  | 8.2 |  |  |  |                      |
| WNW         | .0                 | .6   | .1   | 3.9  | .0    | .6  | .0    | .6  | .0    | .2 | .0    | .0 | .0  | .0 | .0    | .1  | 5.7  | 9.7 |  |  |  |                      |
| NW          | .0                 | 1.7  | .1   | 9.0  | .0    | 1.3 | .0    | .6  | .0    | .2 | .0    | .2 | .0  | .0 | .0    | .2  | 12.9 | 8.4 |  |  |  |                      |
| NNW         | .0                 | 1.3  | .1   | 7.0  | .0    | 1.1 | .0    | .9  | .0    | .0 | .0    | .0 | .0  | .0 | .0    | .1  | 10.3 | 8.7 |  |  |  |                      |
| CALM        | .1                 | 9.6  |      |      |       |     |       |     |       |    |       |    |     |    |       | .1  | 9.6  |     |  |  |  |                      |
| TOTAL       | .4                 | 26.9 | .8   | 63.7 | .1    | 5.2 | .0    | 3.1 | .0    | .9 | .0    | .2 | .0  | .0 | .0    | 1.3 | 100  | 6.5 |  |  |  |                      |

BNA NASHVILLE, TN

CLASS 5 /DAY

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 5 / DAY

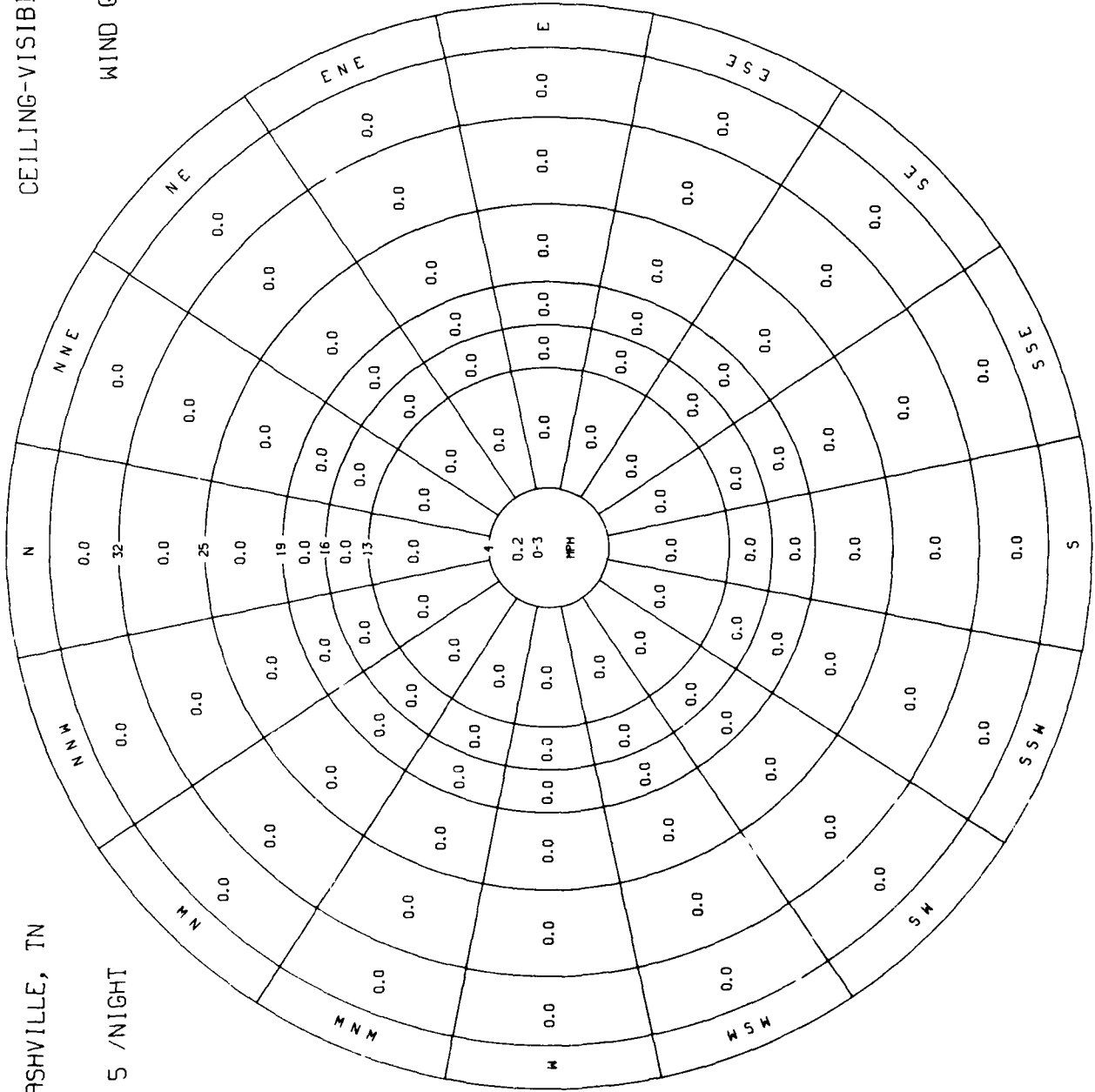
STATION NUMBER: 13897

NO. OBS.: 109

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |     |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|-----|-------|-----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |     | 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   | 3.7  | .0    | .0  | .0    | 1.8 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 10.1  | 7.0 |
| NNE         | .0                 | 1.8  | .0   | 5.5  | .0    | .9  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.3   | 5.8 |
| NE          | .0                 | 1.8  | .0   | 4.6  | .0    | .0  | .0    | .9  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.3   | 7.2 |
| ENE         | .0                 | 4.6  | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.4   | 3.4 |
| E           | .0                 | 3.7  | .0   | 3.7  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.3   | 3.8 |
| ESE         | .0                 | 1.8  | .0   | 2.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.6   | 4.0 |
| SE          | .0                 | .9   | .0   | 4.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.5   | 4.8 |
| SSE         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0  |
| S           | .0                 | 1.8  | .0   | 4.6  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.4   | 6.4 |
| SSW         | .0                 | 3.7  | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.7   | 2.8 |
| SW          | .0                 | .9   | .0   | .9   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.8   | 3.5 |
| WSW         | .0                 | .0   | .0   | 1.8  | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.8   | 5.0 |
| W           | .0                 | .9   | .0   | .0   | .0    | .0  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .9    | 3.0 |
| WNW         | .0                 | .0   | .0   | .9   | .0    | .9  | .0    | .0  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.8   | 9.5 |
| NW          | .0                 | .9   | .0   | 4.6  | .0    | .9  | .0    | .9  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.3   | 8.4 |
| NNW         | .0                 | .9   | .0   | 5.5  | .0    | .9  | .0    | .9  | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 8.3   | 9.4 |
| CALM        | .0                 | 18.3 |      |      |       |     |       |     |       |    |       |    |     |    | .0                   | 18.3  |     |
| TOTAL       | .1                 | 46.8 | .1   | 45.0 | .0    | 3.7 | .0    | 4.6 | .0    | .0 | .0    | .0 | .0  | .0 | .2                   | 100   | 4.9 |

CEILING-VISIBILITY

WIND GRAPH



BNA NASHVILLE, TN

CLASS 5 / NIGHT

# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 5 / NIGHT

STATION NUMBER: 13897

NO. OBS.: 128

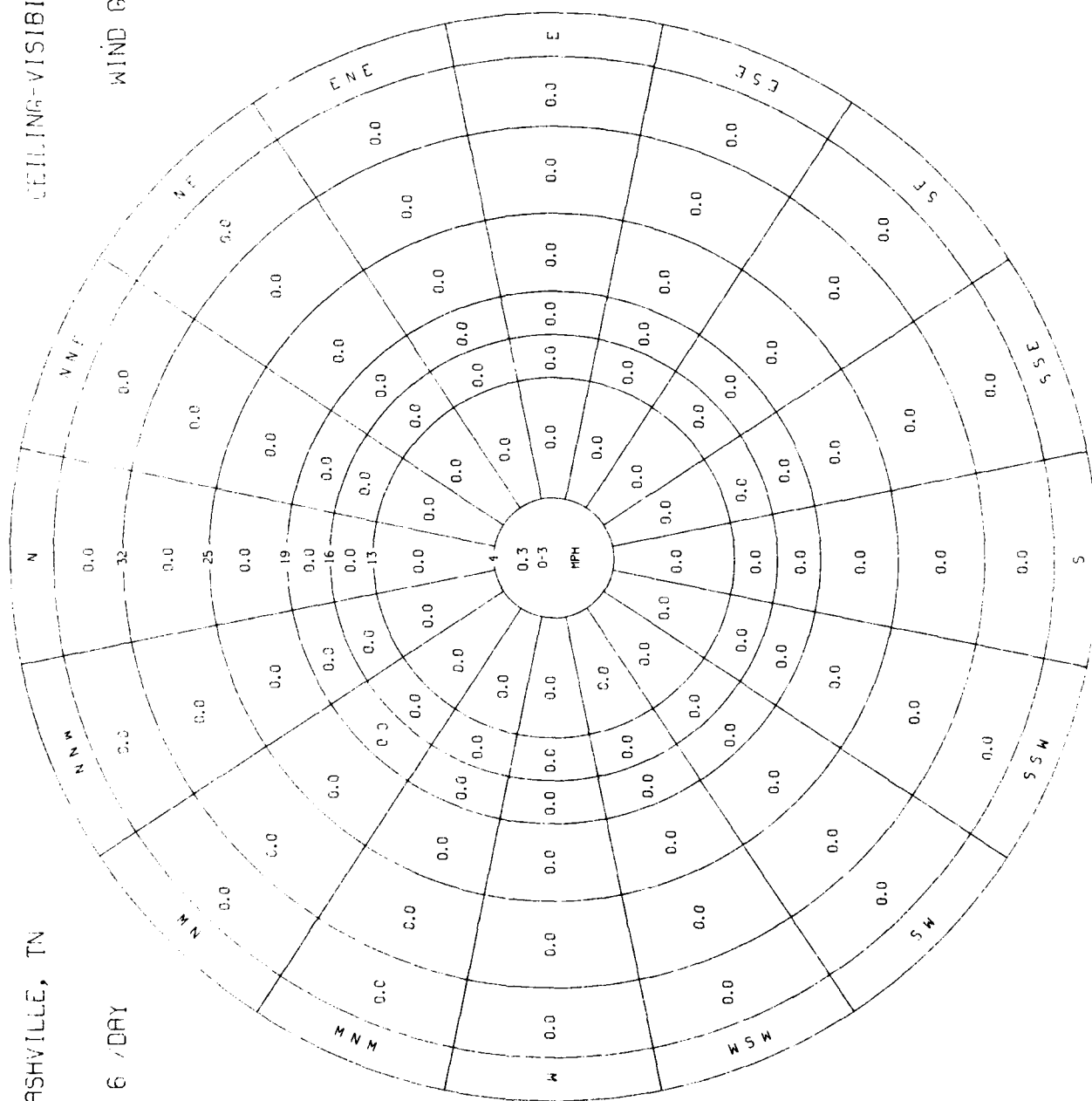
| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |       |     |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|-------|-----|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 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  | .0   | 10.9 | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 14.8  | 6.2 |
| NNE         | .0                 | 1.6  | .0   | 4.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 6.3   | 5.1 |
| NE          | .0                 | 3.1  | .0   | 2.3  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 5.5   | 4.3 |
| ENE         | .0                 | 2.3  | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 3.1   | 3.2 |
| E           | .0                 | 3.9  | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 4.7   | 3.0 |
| ESE         | .0                 | 3.9  | .0   | 3.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.0   | 3.8 |
| SE          | .0                 | 1.6  | .0   | .0   | .0    | .8  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 2.3   | 6.0 |
| SSE         | .0                 | .8   | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 4.0 |
| S           | .0                 | 2.3  | .0   | 5.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.8   | 4.8 |
| SSW         | .0                 | .0   | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .8    | 5.0 |
| SW          | .0                 | .0   | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 1.6   | 5.5 |
| WSW         | .0                 | .0   | .0   | .0   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .0    | .0  |
| W           | .0                 | .0   | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .8    | 6.0 |
| WNW         | .0                 | .0   | .0   | .8   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | .8    | 8.0 |
| NW          | .0                 | 3.1  | .0   | 3.9  | .0    | .8  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.8   | 6.0 |
| NNW         | .0                 | 1.6  | .0   | 3.9  | .0    | 2.3 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0                   | 7.8   | 8.7 |
| CALM        | .1                 | 27.3 |      |      |       |     |       |    |       |    |       |    |     |    | .1                   | 27.3  |     |
| TOTAL       | .2                 | 55.5 | .1   | 40.6 | .0    | 3.9 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .3                   | 100   | 3.9 |

CEILING-VISIBILITY

WIND GRAPH

BNA NASHVILLE, TN

CLASS 6 / DAY





# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 6 / DAY

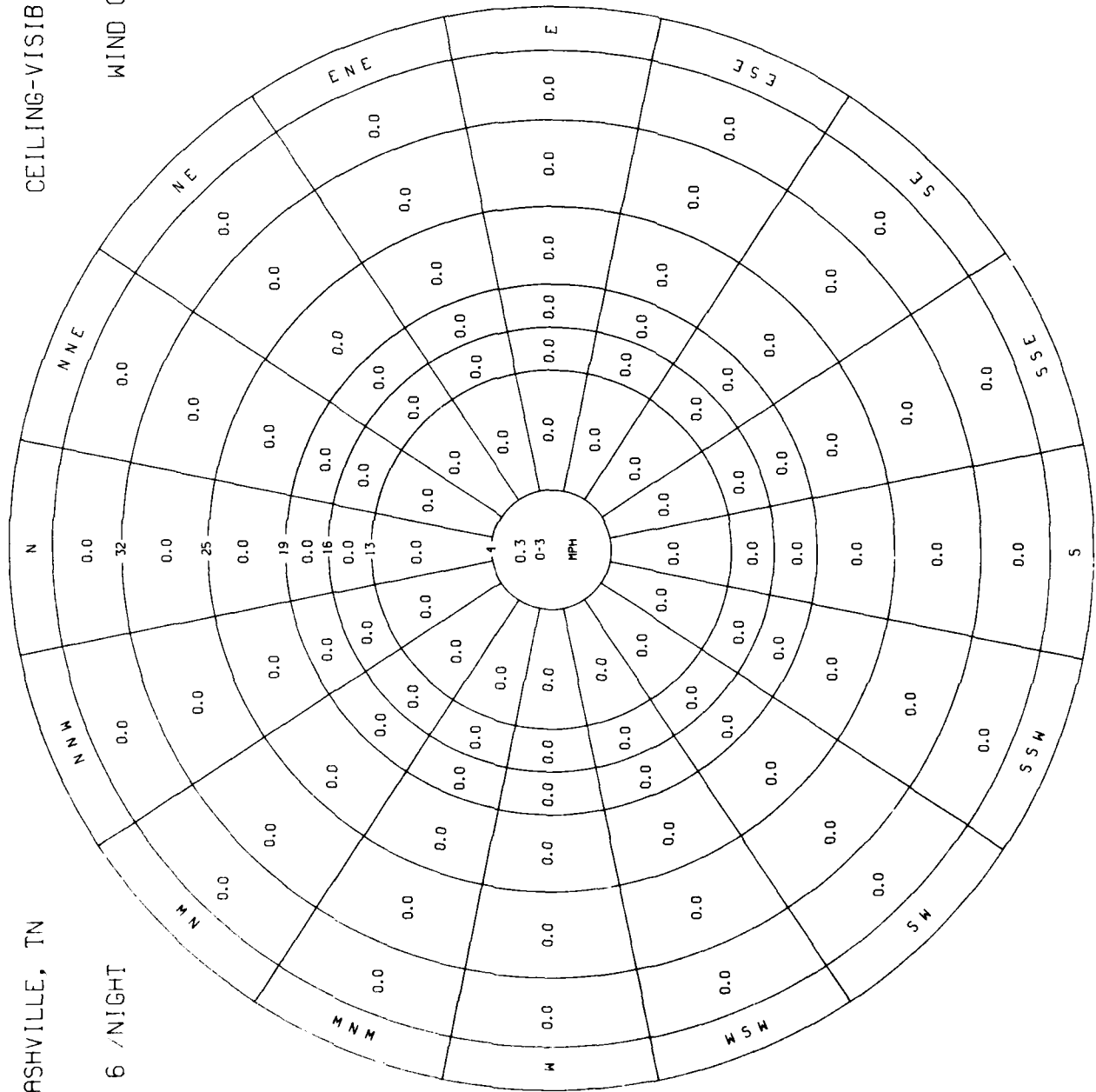
STATION NUMBER: 13897

NO. OBS.: 188

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 2.1  | .0   | 3.2  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.3               |
| NNE         | .0                 | .5   | .0   | 2.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.7               |
| NE          | .0                 | 4.3  | .0   | 2.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 6.9               |
| ENE         | .0                 | 3.2  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.8               |
| E           | .0                 | 3.7  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.3               |
| ESE         | .0                 | 1.6  | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.7               |
| SE          | .0                 | 3.7  | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.8               |
| SSE         | .0                 | .0   | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| S           | .0                 | 4.3  | .0   | 3.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 8.0               |
| SSW         | .0                 | 1.6  | .0   | 1.6  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.2               |
| SW          | .0                 | .5   | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| WSW         | .0                 | 1.6  | .0   | .0   | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.1               |
| W           | .0                 | .5   | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.6               |
| WNW         | .0                 | .5   | .0   | 1.1  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .5 | .0 2.1               |
| NW          | .0                 | 1.1  | .0   | 3.2  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.8               |
| NNW         | .0                 | 1.1  | .0   | 2.7  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.7               |
| CALM        | .1                 | 38.8 |      |      |       |     |       |    |       |    |       |    |     |    | .1 38.8              |
| TOTAL       | .3                 | 69.1 | .1   | 29.3 | .0    | 1.1 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .5 | .4 100               |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 2.8                  |

CEILING-VISIBILITY

WIND GRAPH



# CEILING-VISIBILITY WIND TABULATIONS

## ANNUAL

STATION NAME: BNA NASHVILLE, TN

PERIOD: 1948-1978

CLASS 6 / NIGHT

STATION NUMBER: 13897

NO. OBS.: 202

| D<br>I<br>R | SPEED GROUPS (MPH) |      |      |      |       |     |       |    |       |    |       |    |     |    | AVG<br>WIND<br>SPEED |
|-------------|--------------------|------|------|------|-------|-----|-------|----|-------|----|-------|----|-----|----|----------------------|
|             | 0-3                |      | 4-12 |      | 13-15 |     | 16-18 |    | 19-24 |    | 25-31 |    | 32+ |    | TOTAL                |
|             | A                  | B    | A    | B    | A     | B   | A     | B  | A     | B  | A     | B  | A   | B  |                      |
| N           | .0                 | 1.5  | .0   | 4.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.4               |
| NNE         | .0                 | 1.5  | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| NE          | .0                 | 1.5  | .0   | 2.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.5               |
| ENE         | .0                 | 3.5  | .0   | 2.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.9               |
| E           | .0                 | 2.5  | .0   | 2.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.0               |
| ESE         | .0                 | 2.5  | .0   | 4.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 7.4               |
| SE          | .0                 | 2.5  | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.5               |
| SSE         | .0                 | 1.5  | .0   | .5   | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.0               |
| S           | .0                 | 2.5  | .0   | 2.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.0               |
| SSW         | .0                 | .0   | .0   | 2.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 2.5               |
| SW          | .0                 | .5   | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 1.5               |
| WSW         | .0                 | 2.0  | .0   | 1.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| W           | .0                 | 2.5  | .0   | 1.5  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.0               |
| WNW         | .0                 | 2.5  | .0   | 2.0  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 5.0               |
| NW          | .0                 | 2.0  | .0   | 1.5  | .0    | .5  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 4.0               |
| NNW         | .0                 | 1.0  | .0   | 2.0  | .0    | .0  | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .0 3.0               |
| CALM        | .2                 | 37.6 |      |      |       |     |       |    |       |    |       |    |     |    | .2 37.6              |
| TOTAL       | .3                 | 68.3 | .1   | 30.7 | .0    | 1.0 | .0    | .0 | .0    | .0 | .0    | .0 | .0  | .0 | .5 100               |
|             |                    |      |      |      |       |     |       |    |       |    |       |    |     |    | 2.8                  |

CEILING-VISIBILITY

WIND GRAPH

BNA NASHVILLE, TN

CLASS 7

