

# MIDDLE ROCK LIGHT, AK, United States of America

## Annual Climatic Design Data (2002–2019)

| Latitude | Longitude | Elevation ft | Standard Station<br>Pressure psi | Winter<br>Temperature °F | Summer<br>Temperature °F | Extreme Wind<br>Speed mph | Extreme Wind<br>Direction |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 61.0811N | 146.6530W | 0            | 14.70                            | 11.7                     | 63.5                     | 33.7                      | ENE                       |

## Monthly Winds (2002–2019)

|                           | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| %CALM                     | 1    | 1    | 1    | 4    | 6    | 5    | 3    | 3    | 3    | 1    | 1    | 1    |
| <b>Prevailing Wind #1</b> |      |      |      |      |      |      |      |      |      |      |      |      |
| DIR                       | NE   | NE   | NE   | NE   | SSW  | SSW  | SSW  | NE   | NE   | NE   | NE   | NE   |
| %OCC                      | 36   | 36   | 31   | 27   | 28   | 37   | 30   | 25   | 28   | 32   | 33   | 35   |
| AVG mph                   | 13.0 | 11.6 | 11.7 | 8.1  | 13.5 | 14.4 | 15.3 | 7.1  | 7.6  | 8.9  | 12.3 | 12.3 |
| MED mph                   | 12.0 | 10.9 | 10.2 | 7.9  | 12.9 | 14.9 | 15.6 | 6.5  | 7.0  | 8.9  | 11.1 | 11.5 |
| <b>Prevailing Wind #2</b> |      |      |      |      |      |      |      |      |      |      |      |      |
| DIR                       | NNE  | NNE  | NNE  | NNE  | NNE  | NNE  | NE   | NNE  | NNE  | NNE  | NNE  | NNE  |
| %OCC                      | 31   | 29   | 27   | 24   | 15   | 14   | 19   | 23   | 28   | 28   | 28   | 30   |
| AVG mph                   | 12.1 | 11.3 | 12.2 | 8.8  | 8.4  | 6.4  | 5.9  | 7.8  | 7.9  | 9.0  | 12.2 | 11.5 |
| MED mph                   | 11.5 | 10.6 | 10.6 | 9.1  | 7.8  | 6.1  | 5.5  | 7.0  | 7.3  | 9.0  | 11.0 | 10.9 |
| <b>Prevailing Wind #3</b> |      |      |      |      |      |      |      |      |      |      |      |      |
| DIR                       | ENE  | ENE  | ENE  | ENE  | NE   | NE   | NNE  | SSW  | ENE  | ENE  | ENE  | ENE  |
| %OCC                      | 18   | 18   | 18   | 14   | 14   | 13   | 18   | 18   | 13   | 18   | 21   | 18   |
| AVG mph                   | 16.8 | 14.9 | 14.7 | 8.4  | 7.9  | 5.8  | 6.5  | 15.5 | 8.4  | 9.7  | 15.4 | 14.8 |
| MED mph                   | 15.1 | 11.7 | 10.9 | 6.9  | 6.9  | 5.3  | 6.1  | 16.0 | 7.0  | 8.8  | 12.1 | 12.1 |
| <b>Prevailing Wind #4</b> |      |      |      |      |      |      |      |      |      |      |      |      |
| DIR                       | N    | N    | N    | SSW  | SW   | SW   | SW   | ENE  | SSW  | N    | N    | N    |
| %OCC                      | 7    | 6    | 9    | 9    | 11   | 11   | 8    | 10   | 8    | 8    | 8    | 7    |
| AVG mph                   | 14.6 | 14.3 | 17.2 | 11.1 | 11.2 | 11.7 | 12.6 | 6.5  | 13.5 | 10.0 | 15.0 | 13.6 |
| MED mph                   | 13.2 | 11.8 | 15.8 | 11.2 | 10.7 | 11.6 | 12.3 | 5.9  | 13.6 | 9.5  | 13.3 | 11.8 |