

**SAULT STE MARIE SW PIER, MI, United States of America**

**Annual Climatic Design Data (2004–2019)**

| 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 46.501N  | 84.372W   | 609          | 14.38                            | -9.1                     | 82.0                     | 31.4                      | WNW                       |

**Monthly Winds (2004–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 2   | 4   | 6   | 5   | 3   | 4   | 4   | 3   | 3   | 2   | 1   | 2   |

**Prevailing Wind #1**

|         |     |      |      |      |     |     |      |      |     |     |     |     |
|---------|-----|------|------|------|-----|-----|------|------|-----|-----|-----|-----|
| DIR     | ESE | NW   | NW   | NW   | ESE | WSW | NW   | NW   | ESE | ESE | ESE | ESE |
| %OCC    | 13  | 11   | 16   | 14   | 13  | 13  | 14   | 16   | 14  | 14  | 15  | 15  |
| AVG mph | 7.1 | 13.3 | 14.4 | 15.0 | 9.3 | 8.1 | 12.0 | 12.4 | 5.4 | 6.7 | 6.8 | 8.2 |
| MED mph | 6.0 | 12.1 | 13.8 | 14.4 | 8.1 | 6.5 | 11.1 | 11.5 | 4.8 | 5.9 | 5.9 | 6.8 |

**Prevailing Wind #2**

|         |     |     |     |     |      |     |     |      |     |     |     |     |
|---------|-----|-----|-----|-----|------|-----|-----|------|-----|-----|-----|-----|
| DIR     | E   | ESE | ESE | ESE | NW   | W   | WNW | WNW  | E   | E   | E   | E   |
| %OCC    | 12  | 11  | 12  | 14  | 13   | 12  | 12  | 11   | 12  | 12  | 11  | 12  |
| AVG mph | 6.9 | 8.4 | 8.6 | 9.7 | 14.0 | 8.5 | 9.4 | 10.0 | 5.1 | 6.0 | 6.3 | 8.3 |
| MED mph | 5.8 | 6.6 | 7.1 | 8.8 | 12.9 | 7.0 | 8.0 | 9.0  | 4.7 | 5.3 | 5.5 | 6.7 |

**Prevailing Wind #3**

|         |      |     |     |     |     |      |     |     |      |      |     |      |
|---------|------|-----|-----|-----|-----|------|-----|-----|------|------|-----|------|
| DIR     | WSW  | E   | E   | E   | WSW | NW   | WSW | ESE | NW   | NW   | SE  | WSW  |
| %OCC    | 11   | 11  | 10  | 12  | 11  | 12   | 12  | 10  | 11   | 10   | 9   | 8    |
| AVG mph | 14.1 | 7.3 | 7.3 | 7.7 | 9.8 | 12.8 | 8.1 | 5.4 | 11.1 | 11.5 | 6.8 | 15.4 |
| MED mph | 13.1 | 6.0 | 5.8 | 6.3 | 7.8 | 12.0 | 6.6 | 4.7 | 10.6 | 10.8 | 6.1 | 15.2 |

**Prevailing Wind #4**

|         |     |      |      |      |     |     |     |     |     |      |      |     |
|---------|-----|------|------|------|-----|-----|-----|-----|-----|------|------|-----|
| DIR     | SE  | WSW  | WNW  | WNW  | E   | ESE | W   | WSW | SE  | WNW  | NW   | SE  |
| %OCC    | 7   | 10   | 10   | 8    | 11  | 10  | 11  | 9   | 8   | 9    | 7    | 7   |
| AVG mph | 7.0 | 10.8 | 16.5 | 15.2 | 7.7 | 7.8 | 7.4 | 8.1 | 5.8 | 14.3 | 12.6 | 7.3 |
| MED mph | 6.0 | 9.7  | 14.1 | 12.5 | 6.3 | 6.5 | 6.4 | 6.7 | 5.3 | 13.0 | 11.6 | 6.1 |