

**ST HELENS, Australia****Annual Climatic Design Data (2001–2019)**

| 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 41.3381S | 148.2792E | 161          | 14.61                            | 35.2                     | 79.8                     | 21.5                      | S                         |

**Monthly Winds (2001–2019)**

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

**Prevailing Wind #1**

|         |      |     |     |     |     |     |     |     |     |     |      |     |
|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| DIR     | S    | S   | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | S    | WNW |
| %OCC    | 10   | 12  | 14  | 18  | 20  | 21  | 21  | 20  | 17  | 14  | 10   | 10  |
| AVG mph | 10.6 | 9.7 | 6.7 | 7.3 | 8.0 | 7.8 | 8.1 | 8.1 | 7.9 | 7.9 | 11.5 | 9.8 |
| MED mph | 9.8  | 9.2 | 6.4 | 6.8 | 7.3 | 7.1 | 7.3 | 7.4 | 7.2 | 7.1 | 10.6 | 9.6 |

**Prevailing Wind #2**

|         |     |     |     |     |     |     |     |     |     |      |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| DIR     | NW  | NW  | NNW | NNW | NNW | NNW | NNW | NNW | WNW | WNW  | NW  | NW  |
| %OCC    | 9   | 10  | 11  | 14  | 18  | 20  | 20  | 16  | 15  | 12   | 10  | 10  |
| AVG mph | 7.4 | 6.7 | 7.0 | 7.2 | 7.6 | 7.4 | 7.6 | 7.5 | 9.8 | 10.0 | 7.7 | 8.2 |
| MED mph | 6.7 | 6.2 | 6.6 | 6.9 | 7.2 | 7.1 | 7.2 | 7.2 | 9.3 | 9.8  | 7.0 | 7.5 |

**Prevailing Wind #3**

|         |      |     |     |     |     |     |     |     |     |     |     |      |
|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| DIR     | NNE  | SSE | S   | WNW | WNW | WNW | WNW | WNW | NNW | NNW | WNW | NNE  |
| %OCC    | 9    | 9   | 9   | 10  | 12  | 12  | 14  | 16  | 14  | 10  | 9   | 9    |
| AVG mph | 11.6 | 9.3 | 9.1 | 8.4 | 9.0 | 8.9 | 8.9 | 9.5 | 7.2 | 7.4 | 9.3 | 11.7 |
| MED mph | 11.3 | 9.1 | 8.5 | 7.6 | 8.1 | 7.6 | 7.7 | 8.8 | 6.8 | 6.8 | 8.8 | 11.9 |

**Prevailing Wind #4**

|         |      |     |     |      |     |     |     |     |      |      |     |      |
|---------|------|-----|-----|------|-----|-----|-----|-----|------|------|-----|------|
| DIR     | SSE  | NNW | SSE | S    | SSW | SSW | W   | W   | W    | W    | NNW | W    |
| %OCC    | 9    | 8   | 8   | 8    | 8   | 7   | 9   | 10  | 11   | 10   | 9   | 8    |
| AVG mph | 10.0 | 6.8 | 8.6 | 11.2 | 9.1 | 9.2 | 9.3 | 9.8 | 10.1 | 10.5 | 7.1 | 10.4 |
| MED mph | 9.2  | 6.4 | 8.3 | 9.6  | 8.4 | 8.2 | 9.1 | 9.4 | 10.2 | 10.1 | 6.6 | 9.8  |