

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

| Latitude | Longitude | Elevation m | Standard Station<br>Pressure kPa | Winter<br>Temperature °C | Summer<br>Temperature °C | Extreme Wind<br>Speed m/s | Extreme Wind<br>Direction |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 34.0281S | 115.1042E | 81          | 100.36                           | 3.9                      | 31.3                     | 10.8                      | SSE                       |

**Monthly Winds (2001–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 5   | 5   | 9   | 19  | 27  | 21  | 20  | 19  | 15  | 13  | 10  | 8   |

**Prevailing Wind #1**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SSE | SSE | SSE | SE  | N   | N   | N   | N   | W   | SSE | SSE | SSE |
| %OCC    | 31  | 28  | 24  | 14  | 11  | 13  | 12  | 10  | 10  | 13  | 19  | 28  |
| AVG m/s | 6.5 | 6.1 | 5.3 | 3.5 | 4.2 | 4.0 | 4.0 | 3.8 | 5.0 | 5.4 | 6.1 | 5.7 |
| MED m/s | 6.3 | 6.0 | 5.4 | 3.3 | 3.5 | 3.4 | 3.5 | 3.3 | 4.9 | 5.1 | 5.8 | 5.9 |

**Prevailing Wind #2**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SE  | SE  | SE  | SSE | SE  | NNE | WNW | WNW | WNW | SE  | SE  | SE  |
| %OCC    | 25  | 25  | 22  | 13  | 6   | 8   | 9   | 9   | 10  | 12  | 18  | 20  |
| AVG m/s | 5.1 | 4.9 | 4.2 | 4.5 | 2.8 | 4.1 | 5.3 | 5.0 | 5.4 | 4.1 | 4.5 | 4.5 |
| MED m/s | 4.7 | 4.6 | 4.0 | 4.4 | 2.4 | 3.9 | 5.2 | 5.0 | 5.3 | 3.7 | 4.0 | 4.4 |

**Prevailing Wind #3**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | S   | S   | S   | S   | WNW | WNW | W   | NW  | NW  | S   | S   | S   |
| %OCC    | 10  | 10  | 9   | 7   | 6   | 6   | 8   | 9   | 9   | 8   | 9   | 11  |
| AVG m/s | 4.9 | 4.7 | 4.4 | 3.9 | 4.9 | 5.1 | 5.3 | 5.4 | 5.2 | 4.5 | 4.6 | 4.6 |
| MED m/s | 5.0 | 4.4 | 4.3 | 3.4 | 4.3 | 5.0 | 5.3 | 5.3 | 5.1 | 4.3 | 4.5 | 4.5 |

**Prevailing Wind #4**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SSW | ESE | ESE | SSW | SSE | NW  | NW  | NNW | WSW | W   | SW  | SSW |
| %OCC    | 5   | 7   | 6   | 6   | 6   | 6   | 7   | 7   | 8   | 7   | 6   | 8   |
| AVG m/s | 4.7 | 4.0 | 3.4 | 3.9 | 3.4 | 4.7 | 5.1 | 5.1 | 5.0 | 4.8 | 4.3 | 4.3 |
| MED m/s | 4.9 | 3.7 | 3.4 | 3.8 | 3.2 | 4.5 | 4.9 | 4.5 | 5.0 | 4.8 | 4.3 | 4.5 |