

**CHARLEVILLE, Australia****Annual Climatic Design Data (1994–2019)**

| 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 26.4139S | 146.2558E | 303         | 97.73                            | 0.5                      | 39.5                     | 8.4                       | N                         |

**Monthly Winds (1994–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 5   | 5   | 7   | 11  | 17  | 17  | 18  | 16  | 15  | 8   | 6   | 5   |

**Prevailing Wind #1**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NNE | E   | SE  | SE  | SSE | SSE | SSE | SSE | N   | N   | NNE | N   |
| %OCC    | 13  | 12  | 12  | 13  | 12  | 13  | 11  | 10  | 9   | 10  | 12  | 12  |
| AVG m/s | 4.2 | 4.3 | 3.9 | 3.6 | 3.2 | 3.3 | 3.3 | 3.4 | 4.8 | 4.9 | 4.5 | 4.9 |
| MED m/s | 4.0 | 4.1 | 3.7 | 3.3 | 3.0 | 3.1 | 3.1 | 3.1 | 4.4 | 4.7 | 4.2 | 4.7 |

**Prevailing Wind #2**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | N   | ESE | ESE | SSE | SE  | SE  | SE  | S   | NNE | NNE | N   | NNE |
| %OCC    | 11  | 11  | 11  | 13  | 11  | 11  | 10  | 9   | 9   | 10  | 12  | 12  |
| AVG m/s | 4.7 | 4.6 | 4.3 | 3.3 | 3.4 | 3.5 | 3.3 | 3.4 | 3.8 | 4.2 | 5.0 | 4.4 |
| MED m/s | 4.5 | 4.4 | 4.0 | 3.1 | 3.2 | 3.4 | 3.1 | 3.2 | 3.6 | 4.0 | 4.9 | 4.2 |

**Prevailing Wind #3**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | E   | NNE | SSE | ESE | S   | S   | S   | SE  | SSE | SSE | SSE | NE  |
| %OCC    | 9   | 9   | 10  | 11  | 10  | 11  | 9   | 9   | 9   | 9   | 8   | 7   |
| AVG m/s | 4.2 | 4.0 | 3.6 | 3.8 | 3.3 | 3.2 | 3.2 | 3.5 | 3.4 | 3.8 | 3.7 | 3.8 |
| MED m/s | 4.0 | 3.7 | 3.3 | 3.6 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.5 | 3.4 | 3.8 |

**Prevailing Wind #4**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | ESE | SE  | E   | E   | ESE | NNE | NNE | NNE | S   | S   | S   | SSE |
| %OCC    | 9   | 9   | 9   | 8   | 8   | 6   | 7   | 8   | 8   | 8   | 8   | 7   |
| AVG m/s | 4.5 | 4.3 | 3.9 | 3.7 | 3.6 | 3.4 | 3.3 | 3.5 | 3.6 | 3.9 | 3.9 | 3.9 |
| MED m/s | 4.3 | 4.0 | 3.7 | 3.5 | 3.4 | 3.2 | 3.1 | 3.4 | 3.4 | 3.6 | 3.6 | 3.7 |