

**LONGREACH, 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 23.4398S | 144.2830E | 193         | 99.03                            | 4.3                      | 40.8                     | 9.7                       | NE                        |

**Monthly Winds (1994–2019)**

|                           | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM                     | 3   | 2   | 3   | 3   | 4   | 4   | 3   | 2   | 2   | 2   | 2   | 4   |
| <b>Prevailing Wind #1</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | NE  | ENE | ENE | SE  | SE  | SE  | SE  | SE  | NE  | NE  | NE  | NE  |
| %OCC                      | 17  | 17  | 14  | 16  | 18  | 18  | 17  | 14  | 12  | 14  | 16  | 17  |
| AVG m/s                   | 5.3 | 5.1 | 4.8 | 4.3 | 4.1 | 4.5 | 4.3 | 4.5 | 5.0 | 5.4 | 5.6 | 5.5 |
| MED m/s                   | 4.9 | 4.9 | 4.5 | 4.1 | 4.0 | 4.3 | 4.2 | 4.3 | 4.7 | 5.0 | 5.3 | 5.1 |
| <b>Prevailing Wind #2</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | ENE | E   | E   | ESE | SSE | SSE | SSE | SSE | SE  | ENE | ENE | ENE |
| %OCC                      | 15  | 15  | 13  | 15  | 13  | 14  | 13  | 12  | 10  | 11  | 12  | 13  |
| AVG m/s                   | 5.3 | 5.2 | 4.9 | 4.2 | 3.9 | 4.1 | 4.1 | 4.2 | 4.4 | 5.3 | 5.3 | 5.3 |
| MED m/s                   | 5.0 | 4.9 | 4.5 | 4.1 | 3.8 | 3.9 | 3.9 | 4.0 | 4.2 | 5.0 | 5.1 | 5.0 |
| <b>Prevailing Wind #3</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | E   | NE  | NE  | E   | ESE | S   | S   | S   | NNE | NNE | NNE | NNE |
| %OCC                      | 12  | 14  | 13  | 13  | 12  | 11  | 11  | 10  | 10  | 10  | 11  | 11  |
| AVG m/s                   | 5.1 | 5.0 | 4.7 | 4.5 | 4.0 | 3.9 | 4.0 | 4.1 | 5.3 | 5.7 | 5.7 | 5.6 |
| MED m/s                   | 4.9 | 4.5 | 4.4 | 4.3 | 3.9 | 3.8 | 3.8 | 4.0 | 4.9 | 5.5 | 5.6 | 5.4 |
| <b>Prevailing Wind #4</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | NNE | ESE | ESE | ENE | E   | ESE | ESE | NE  | SSE | SE  | E   | E   |
| %OCC                      | 11  | 9   | 12  | 12  | 10  | 10  | 9   | 9   | 9   | 9   | 9   | 9   |
| AVG m/s                   | 5.2 | 4.7 | 4.5 | 4.8 | 4.4 | 4.1 | 4.1 | 4.9 | 4.3 | 4.8 | 5.0 | 5.0 |
| MED m/s                   | 4.9 | 4.4 | 4.2 | 4.5 | 4.3 | 3.9 | 4.1 | 4.6 | 4.1 | 4.5 | 4.8 | 4.8 |