

**GERALDTON, 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 28.8044S | 114.6989E | 30          | 100.96                           | 5.3                      | 38.3                     | 12.2                      | S                         |

**Monthly Winds (1994–2019)**

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

**Prevailing Wind #1**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | S   | S   | S   | SSE | NNE | NNE | NNE | NNE | SE  | S   | S   | S   |
| %OCC    | 32  | 28  | 20  | 15  | 15  | 21  | 21  | 18  | 12  | 18  | 22  | 30  |
| AVG m/s | 8.4 | 8.1 | 7.6 | 5.1 | 5.0 | 5.2 | 4.8 | 4.6 | 3.9 | 7.1 | 7.8 | 8.3 |
| MED m/s | 8.6 | 8.2 | 7.8 | 4.9 | 4.8 | 5.0 | 4.7 | 4.5 | 3.7 | 7.1 | 7.9 | 8.4 |

**Prevailing Wind #2**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SSE | SSE | SSE | S   | NE  | NE  | NE  | NE  | NNE | SE  | SSE | SSE |
| %OCC    | 19  | 20  | 19  | 15  | 12  | 15  | 14  | 12  | 10  | 13  | 15  | 17  |
| AVG m/s | 6.7 | 6.5 | 5.9 | 6.7 | 4.6 | 4.7 | 4.4 | 4.3 | 4.3 | 4.3 | 6.2 | 6.6 |
| MED m/s | 6.6 | 6.4 | 5.7 | 6.8 | 4.2 | 4.3 | 4.1 | 4.0 | 4.2 | 4.0 | 6.1 | 6.6 |

**Prevailing Wind #3**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SSW | SSW | SE  | SE  | SE  | SE  | SE  | SE  | S   | SSE | SSW | SSW |
| %OCC    | 13  | 12  | 14  | 14  | 12  | 9   | 9   | 11  | 10  | 13  | 14  | 14  |
| AVG m/s | 7.3 | 7.1 | 5.0 | 4.3 | 3.9 | 3.8 | 3.9 | 3.8 | 5.9 | 5.4 | 7.0 | 7.6 |
| MED m/s | 7.4 | 7.3 | 4.6 | 4.0 | 3.7 | 3.6 | 3.7 | 3.6 | 5.9 | 5.2 | 7.2 | 7.7 |

**Prevailing Wind #4**

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SE  | SE  | SSW | SSW | SSE | ESE | ESE | SSE | SSE | SSW | SE  | SE  |
| %OCC    | 10  | 10  | 10  | 8   | 9   | 7   | 6   | 7   | 10  | 13  | 11  | 11  |
| AVG m/s | 5.2 | 5.2 | 6.7 | 6.2 | 4.4 | 4.0 | 4.0 | 4.1 | 4.5 | 6.4 | 4.6 | 4.9 |
| MED m/s | 4.9 | 4.8 | 6.9 | 6.3 | 4.2 | 3.8 | 3.7 | 3.9 | 4.2 | 6.5 | 4.3 | 4.6 |