

# OAKEY, Australia

## Annual Climatic Design Data (1997–2019)

| 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 27.4033S | 151.7414E | 407         | 96.53                            | -2.0                     | 35.3                     | 10.6                      | E                         |

## Monthly Winds (1997–2019)

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 2   | 1   | 3   | 4   | 5   | 6   | 7   | 5   | 3   | 3   | 1   | 1   |

### Prevailing Wind #1

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | E   | E   | E   | E   | E   | E   | E   | E   | ENE | ENE | ENE | ENE |
| %OCC    | 28  | 32  | 28  | 27  | 19  | 16  | 14  | 14  | 16  | 23  | 25  | 24  |
| AVG m/s | 6.0 | 5.9 | 5.6 | 5.1 | 4.5 | 4.3 | 4.0 | 4.0 | 4.7 | 5.3 | 5.6 | 5.5 |
| MED m/s | 6.0 | 5.9 | 5.5 | 4.9 | 4.1 | 3.9 | 3.7 | 3.7 | 4.5 | 5.2 | 5.5 | 5.5 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | ENE | ENE | ENE | ENE | ESE | ESE | ENE | ENE | E   | E   | E   | E   |
| %OCC    | 25  | 22  | 23  | 17  | 12  | 11  | 10  | 12  | 15  | 18  | 20  | 22  |
| AVG m/s | 5.5 | 5.2 | 5.0 | 4.3 | 4.2 | 4.2 | 3.8 | 4.1 | 4.5 | 5.3 | 5.5 | 5.7 |
| MED m/s | 5.5 | 5.2 | 4.9 | 4.2 | 3.6 | 3.6 | 3.5 | 3.9 | 4.2 | 5.1 | 5.4 | 5.6 |

### Prevailing Wind #3

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | ESE | ESE | ESE | ESE | ENE | ENE | WSW | WSW | NE  | NE  | NE  | NE  |
| %OCC    | 12  | 17  | 16  | 16  | 12  | 10  | 10  | 9   | 8   | 10  | 13  | 12  |
| AVG m/s | 5.8 | 5.9 | 5.7 | 5.0 | 3.9 | 3.9 | 5.5 | 5.7 | 4.0 | 4.6 | 5.1 | 4.9 |
| MED m/s | 5.8 | 6.0 | 5.7 | 4.8 | 3.7 | 3.7 | 5.1 | 5.3 | 3.8 | 4.5 | 5.0 | 4.8 |

### Prevailing Wind #4

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NE  | NE  | NE  | NE  | WSW | WSW | W   | W   | WSW | ESE | ESE | ESE |
| %OCC    | 10  | 7   | 7   | 7   | 8   | 9   | 8   | 8   | 7   | 7   | 7   | 9   |
| AVG m/s | 4.7 | 4.4 | 4.2 | 3.6 | 5.3 | 5.3 | 4.6 | 5.2 | 6.0 | 4.9 | 5.1 | 5.3 |
| MED m/s | 4.6 | 4.3 | 4.1 | 3.6 | 5.0 | 4.9 | 4.1 | 4.5 | 5.5 | 4.3 | 4.8 | 5.2 |