

# TOOWOOMBA, Australia

## Annual Climatic Design Data (1998–2019)

| 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 27.5425S | 151.9133E | 642         | 93.85                            | 3.5                      | 32.4                     | 11.9                      | E                         |

## Monthly Winds (1998–2019)

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 0   | 1   | 1   | 1   | 1   | 2   | 2   | 1   | 1   | 1   | 1   | 0   |

### Prevailing Wind #1

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | E   | E   | E   | E   | E   | E   | E   | E   | E   | E   | E   | E   |
| %OCC    | 47  | 50  | 49  | 43  | 31  | 25  | 21  | 20  | 25  | 31  | 37  | 39  |
| AVG m/s | 7.5 | 7.6 | 7.5 | 6.6 | 5.8 | 5.8 | 5.5 | 5.9 | 6.4 | 7.2 | 7.3 | 7.4 |
| MED m/s | 7.5 | 7.6 | 7.4 | 6.5 | 5.7 | 5.6 | 5.4 | 5.7 | 6.4 | 7.2 | 7.4 | 7.5 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | ENE | ENE | ENE | ENE | ENE | WSW | WSW | WSW | ENE | ENE | ENE | ENE |
| %OCC    | 22  | 20  | 18  | 15  | 11  | 13  | 15  | 12  | 15  | 19  | 24  | 21  |
| AVG m/s | 6.2 | 6.3 | 6.1 | 5.5 | 5.0 | 5.9 | 6.0 | 6.0 | 5.4 | 5.9 | 6.1 | 6.1 |
| MED m/s | 6.2 | 6.2 | 6.0 | 5.3 | 4.8 | 5.6 | 5.8 | 5.7 | 5.2 | 5.7 | 6.0 | 6.0 |

### Prevailing Wind #3

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | ESE | ESE | ESE | ESE | ESE | ESE | SW  | ENE | WSW | NE  | NE  | ESE |
| %OCC    | 9   | 12  | 12  | 15  | 11  | 10  | 11  | 11  | 9   | 5   | 6   | 6   |
| AVG m/s | 6.9 | 6.9 | 7.1 | 6.3 | 5.4 | 5.2 | 5.2 | 4.9 | 6.3 | 4.5 | 4.4 | 6.7 |
| MED m/s | 6.9 | 6.9 | 7.0 | 6.2 | 5.4 | 4.9 | 4.9 | 4.8 | 5.9 | 4.5 | 4.3 | 6.7 |

### Prevailing Wind #4

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NE  | NE  | NE  | SW  | WSW | ENE | ENE | SW  | SW  | WSW | ESE | NE  |
| %OCC    | 4   | 3   | 3   | 4   | 10  | 9   | 10  | 11  | 7   | 5   | 5   | 5   |
| AVG m/s | 4.3 | 4.2 | 4.3 | 4.9 | 5.6 | 4.9 | 4.7 | 5.3 | 5.2 | 6.1 | 6.4 | 4.4 |
| MED m/s | 4.2 | 4.0 | 4.1 | 4.7 | 5.5 | 4.6 | 4.5 | 5.0 | 4.9 | 5.8 | 6.5 | 4.3 |