

# GISBORNE, New Zealand

## 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 38.6586S | 177.9850E | 5           | 101.26                           | 2.3                      | 27.9                     | 9.3                       | NW                        |

## Monthly Winds (1994–2019)

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

### Prevailing Wind #1

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NNW | NNW | NNW | NNW | NNW | NNW | NNW | NNW | NNW | NNW | NNW | NNW |
| %OCC    | 23  | 21  | 23  | 26  | 29  | 29  | 27  | 26  | 25  | 26  | 24  | 24  |
| AVG m/s | 3.8 | 3.2 | 3.1 | 2.9 | 3.1 | 3.0 | 3.1 | 3.1 | 3.5 | 4.0 | 4.0 | 3.8 |
| MED m/s | 3.4 | 2.9 | 2.7 | 2.6 | 2.8 | 2.8 | 2.8 | 2.9 | 3.2 | 3.6 | 3.7 | 3.5 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  | NW  |
| %OCC    | 16  | 15  | 17  | 20  | 25  | 24  | 22  | 23  | 22  | 22  | 20  | 17  |
| AVG m/s | 4.3 | 3.6 | 3.4 | 3.1 | 3.4 | 3.4 | 3.6 | 3.5 | 4.3 | 4.7 | 4.8 | 4.3 |
| MED m/s | 4.0 | 3.0 | 2.7 | 2.6 | 2.9 | 3.0 | 3.1 | 3.1 | 3.9 | 4.4 | 4.6 | 4.1 |

### Prevailing Wind #3

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SSE | SSE | SSE | N   | WNW | WNW | N   | WNW | WNW | WNW | SSE | SSE |
| %OCC    | 10  | 10  | 8   | 6   | 6   | 6   | 6   | 6   | 6   | 6   | 8   | 8   |
| AVG m/s | 3.8 | 3.7 | 3.8 | 2.1 | 3.3 | 3.2 | 2.2 | 3.6 | 4.3 | 4.7 | 3.9 | 3.7 |
| MED m/s | 3.8 | 3.7 | 3.7 | 1.9 | 2.5 | 2.5 | 2.0 | 2.6 | 3.6 | 4.2 | 3.8 | 3.7 |

### Prevailing Wind #4

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | SE  | SE  | S   | SSE | N   | N   | WNW | N   | N   | SSE | SE  | SE  |
| %OCC    | 8   | 8   | 6   | 5   | 6   | 6   | 6   | 5   | 6   | 6   | 7   | 7   |
| AVG m/s | 3.9 | 3.6 | 4.0 | 3.2 | 2.1 | 2.2 | 3.1 | 2.1 | 2.3 | 3.7 | 3.9 | 3.7 |
| MED m/s | 3.9 | 3.7 | 3.9 | 3.1 | 2.0 | 2.0 | 2.5 | 2.0 | 2.1 | 3.7 | 3.9 | 3.8 |