

# KING ISLAND AP, Australia

## Annual Climatic Design Data (1996–2019)

| 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 39.880S  | 143.883E  | 38          | 100.87                           | 4.2                      | 26.4                     | 14.5                      | WNW                       |

## Monthly Winds (1996–2019)

|                           | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM                     | 3   | 2   | 2   | 3   | 2   | 3   | 2   | 2   | 2   | 1   | 2   | 2   |
| <b>Prevailing Wind #1</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | E   | E   | E   | WSW | W   | W   | W   | W   | WSW | W   | E   | WSW |
| %OCC                      | 12  | 15  | 12  | 9   | 11  | 10  | 12  | 12  | 13  | 13  | 12  | 13  |
| AVG m/s                   | 7.5 | 7.8 | 6.8 | 7.2 | 7.9 | 7.1 | 7.9 | 7.8 | 7.6 | 7.4 | 7.1 | 7.0 |
| MED m/s                   | 7.7 | 7.8 | 6.6 | 6.8 | 7.8 | 6.7 | 7.7 | 7.7 | 7.4 | 7.4 | 7.3 | 7.1 |
| <b>Prevailing Wind #2</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | SW  | SSW | SW  | SW  | WSW | WSW | WSW | WSW | W   | WSW | WSW | SW  |
| %OCC                      | 12  | 11  | 11  | 9   | 11  | 9   | 10  | 11  | 13  | 12  | 12  | 12  |
| AVG m/s                   | 6.8 | 6.8 | 6.9 | 6.6 | 7.5 | 6.9 | 7.6 | 7.6 | 7.5 | 7.1 | 6.9 | 6.8 |
| MED m/s                   | 6.7 | 6.8 | 6.8 | 6.3 | 7.3 | 6.7 | 7.3 | 7.4 | 7.3 | 7.1 | 6.8 | 6.6 |
| <b>Prevailing Wind #3</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | SSW | SW  | SSW | E   | SW  | NNW | NNW | WNW | WNW | WNW | SSW | W   |
| %OCC                      | 11  | 10  | 10  | 9   | 10  | 8   | 10  | 10  | 11  | 9   | 10  | 11  |
| AVG m/s                   | 6.7 | 6.9 | 6.4 | 5.1 | 7.0 | 8.9 | 9.7 | 8.5 | 8.3 | 8.0 | 6.7 | 7.3 |
| MED m/s                   | 6.8 | 6.7 | 6.3 | 4.5 | 6.9 | 8.7 | 9.7 | 8.3 | 8.1 | 7.9 | 6.7 | 7.2 |
| <b>Prevailing Wind #4</b> |     |     |     |     |     |     |     |     |     |     |     |     |
| DIR                       | WSW | ENE | WSW | W   | WNW | SW  | WNW | SW  | SW  | SW  | W   | E   |
| %OCC                      | 11  | 10  | 10  | 9   | 8   | 8   | 8   | 9   | 10  | 9   | 10  | 11  |
| AVG m/s                   | 6.8 | 7.6 | 7.0 | 6.8 | 8.4 | 6.7 | 8.7 | 7.0 | 7.1 | 6.7 | 7.1 | 7.2 |
| MED m/s                   | 6.7 | 7.6 | 6.7 | 6.6 | 8.3 | 6.5 | 8.6 | 6.7 | 7.0 | 6.5 | 7.2 | 7.2 |