

**MACKAY MO, Australia****Annual Climatic Design Data (1995–2019)**

| Latitude | Longitude | Elevation ft | Standard Station<br>Pressure psi | Winter<br>Temperature °F | Summer<br>Temperature °F | Extreme Wind<br>Speed mph | Extreme Wind<br>Direction |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 21.1172S | 149.2169E | 119          | 14.63                            | 49.7                     | 89.8                     | 23.1                      | SE                        |

**Monthly Winds (1995–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 1   | 1   | 0   | 0   | 0   | 1   | 3   | 1   | 1   | 1   | 0   | 1   |

**Prevailing Wind #1**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | ESE  | SE   | SE   | SE   | SSE  | SSE  | SSE  | SE   | SE   | ESE  | ESE  | ESE  |
| %OCC    | 18   | 21   | 23   | 25   | 23   | 24   | 22   | 16   | 15   | 16   | 17   | 16   |
| AVG mph | 12.6 | 14.4 | 14.3 | 14.2 | 14.5 | 14.0 | 12.9 | 11.8 | 12.4 | 12.2 | 12.2 | 12.5 |
| MED mph | 11.9 | 14.0 | 13.9 | 14.1 | 14.5 | 14.0 | 12.9 | 11.3 | 11.8 | 11.6 | 11.7 | 11.8 |

**Prevailing Wind #2**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | SE   | ESE  | ESE  | SSE  | SE   | S    | SE   | SSE  | ESE  | SE   | E    | E    |
| %OCC    | 16   | 17   | 16   | 21   | 17   | 16   | 13   | 13   | 14   | 12   | 14   | 12   |
| AVG mph | 14.4 | 12.8 | 12.5 | 15.2 | 12.7 | 12.3 | 11.1 | 12.4 | 10.7 | 13.0 | 11.6 | 11.2 |
| MED mph | 13.6 | 12.1 | 12.0 | 15.3 | 12.2 | 12.2 | 10.9 | 12.3 | 10.0 | 12.7 | 11.2 | 10.9 |

**Prevailing Wind #3**

|         |      |      |      |      |      |     |     |     |     |      |      |      |
|---------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|
| DIR     | E    | E    | SSE  | S    | S    | SW  | SW  | SW  | N   | N    | N    | N    |
| %OCC    | 14   | 10   | 15   | 12   | 14   | 13  | 13  | 12  | 9   | 12   | 10   | 12   |
| AVG mph | 12.0 | 11.8 | 15.9 | 13.2 | 12.7 | 8.4 | 8.3 | 8.1 | 9.9 | 11.1 | 11.0 | 11.1 |
| MED mph | 11.7 | 11.4 | 15.8 | 13.2 | 12.8 | 8.5 | 8.5 | 8.2 | 9.4 | 10.7 | 10.5 | 10.7 |

**Prevailing Wind #4**

|         |      |      |      |      |     |      |      |     |     |      |     |      |
|---------|------|------|------|------|-----|------|------|-----|-----|------|-----|------|
| DIR     | ENE  | SSE  | E    | ESE  | SW  | SE   | S    | WSW | E   | E    | NNE | SE   |
| %OCC    | 8    | 9    | 8    | 11   | 11  | 13   | 12   | 11  | 9   | 11   | 10  | 12   |
| AVG mph | 10.5 | 14.4 | 10.9 | 11.9 | 8.3 | 12.0 | 11.5 | 8.0 | 9.8 | 11.1 | 9.4 | 14.4 |
| MED mph | 9.9  | 14.5 | 10.4 | 11.3 | 8.4 | 11.5 | 11.5 | 8.0 | 9.6 | 10.9 | 9.1 | 14.0 |