

MACKAY AP, Australia**Annual Climatic Design Data (1996–2015)**

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
21.1706S	149.1794E	5	101.26	7.1	31.9	12.0	SE

Monthly Winds (1996–2015)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	1	1	1	1	1	2	1	2	3	2	1	1

Prevailing Wind #1

DIR	ESE	ESE	SE	SE	SE	SSE	SE	SE	ESE	ESE	ESE	ESE
%OCC	22	21	23	20	18	16	16	15	16	23	21	19
AVG m/s	7.2	7.5	8.4	7.7	7.3	5.9	6.6	6.8	6.4	7.2	6.9	7.1
MED m/s	7.2	7.1	8.1	7.7	7.2	5.7	6.7	6.9	6.4	7.2	7.0	7.1

Prevailing Wind #2

DIR	E	SE	ESE	ESE	SSE	SE	SSE	ESE	SE	E	E	E
%OCC	15	17	22	15	15	15	13	13	13	13	17	14
AVG m/s	6.0	8.2	7.8	6.9	6.4	6.8	5.5	6.1	7.4	5.6	5.8	5.8
MED m/s	5.9	8.2	7.1	6.7	6.3	6.8	5.5	6.1	7.6	5.6	5.8	5.8

Prevailing Wind #3

DIR	SE	E	SSE	SSE	S	S	WSW	W	W	SE	ENE	ENE
%OCC	14	13	11	13	13	14	11	11	9	10	11	10
AVG m/s	8.1	6.2	6.9	6.7	4.6	4.5	2.8	2.5	2.5	8.0	5.3	5.2
MED m/s	8.2	5.8	6.8	6.6	4.5	4.3	2.8	2.5	2.4	8.1	5.3	5.3

Prevailing Wind #4

DIR	ENE	ENE	S	S	ESE	WSW	W	WSW	E	N	SE	N
%OCC	8	6	9	12	9	11	11	11	9	8	8	9
AVG m/s	5.1	5.2	5.1	4.8	6.2	2.9	2.6	2.7	5.2	5.8	7.8	5.4
MED m/s	5.1	4.9	4.9	4.7	5.9	2.8	2.7	2.7	5.3	5.7	8.1	5.5