

HAMILTON ISLAND, Australia

Annual Climatic Design Data (2002–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
20.3662S	148.9535E	59	100.61	16.2	30.8	15.4	SE

Monthly Winds (2002–2019)

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

Prevailing Wind #1

DIR	ESE	ESE	SE	SE	SE	SSE	SSE	SE	ESE	ESE	ESE	ESE
%OCC	33	30	32	39	33	38	36	26	27	33	33	32
AVG m/s	9.4	9.4	10.3	9.7	9.2	8.9	8.4	7.9	7.7	8.8	8.8	8.9
MED m/s	9.3	9.4	10.4	9.7	9.3	9.1	8.3	7.9	7.6	8.6	8.7	8.8

Prevailing Wind #2

DIR	E	SE	ESE	ESE	SSE	SE	SE	SSE	SE	SE	E	E
%OCC	17	21	30	25	30	29	30	23	21	15	20	19
AVG m/s	8.0	9.8	9.4	9.2	9.0	8.8	8.4	7.7	7.9	9.1	7.3	7.3
MED m/s	7.7	10.0	9.2	9.1	9.1	8.8	8.4	7.4	7.8	9.2	7.3	7.3

Prevailing Wind #3

DIR	SE	E	SSE	SSE	ESE	ESE	ESE	ESE	E	E	SE	SE
%OCC	15	14	11	19	18	11	13	18	11	15	10	11
AVG m/s	9.7	8.2	9.9	9.3	8.9	8.0	7.5	7.4	6.5	7.2	8.7	9.4
MED m/s	9.6	7.7	9.9	9.2	8.9	7.9	7.4	7.2	6.6	7.1	8.7	9.5

Prevailing Wind #4

DIR	NW	NNW	E	E	S	S	S	E	SSE	NW	NW	NW
%OCC	7	6	9	5	5	7	7	7	9	8	7	8
AVG m/s	6.4	5.9	7.6	6.6	6.3	6.1	5.9	5.7	7.4	7.1	7.5	7.3
MED m/s	6.1	5.7	7.1	6.1	6.1	6.0	5.9	5.8	7.2	7.2	7.5	7.6