

ILE MATTHEW, New Caledonia

Annual Climatic Design Data (1994–2010)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
22.346S	171.358E	28	100.99	17.3	29.5	14.5	ESE

Monthly Winds (1994–2010)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	14	16	16	14	1	1	1	1	2	2	3	4

Prevailing Wind #1

DIR	ESE	E	ESE	E	ESE	SE	ESE	ESE	E	ESE	ESE	E
%OCC	26	27	25	23	22	22	18	19	23	32	28	31
AVG m/s	6.9	6.8	8.5	6.7	8.8	10.3	8.0	7.4	5.9	7.3	7.1	6.6
MED m/s	7.1	6.9	8.6	6.7	8.7	11.6	8.2	7.5	5.7	7.4	7.2	6.8

Prevailing Wind #2

DIR	E	ESE	E	ESE	SE	ESE	SE	SE	ESE	E	E	ESE
%OCC	21	24	19	21	20	16	16	16	21	18	18	28
AVG m/s	6.3	7.3	7.3	7.7	9.4	8.3	9.5	7.9	7.6	5.5	6.0	6.9
MED m/s	6.4	7.5	7.3	7.8	10.3	8.5	9.1	8.2	7.7	5.4	5.9	7.1

Prevailing Wind #3

DIR	SE	SE	SE	SE	E	NNW	E	E	SE	SE	SE	SE
%OCC	15	12	15	16	15	11	11	14	13	17	18	14
AVG m/s	6.8	7.6	8.8	9.4	7.7	1.4	6.5	5.7	7.6	8.0	8.0	8.2
MED m/s	6.8	8.0	8.9	10.8	7.7	1.1	6.8	5.5	7.5	8.3	7.8	8.3

Prevailing Wind #4

DIR	SSE	SSE	N	SSE	SSE	E	NNW	NNW	NNW	SSE	SSE	SSE
%OCC	7	5	6	5	10	10	11	11	9	8	8	7
AVG m/s	5.5	5.6	5.6	5.6	7.0	7.4	2.0	1.7	1.3	6.4	6.8	6.9
MED m/s	5.3	5.6	5.2	5.7	6.1	7.1	1.2	1.1	1.1	6.7	6.8	6.9