

FREDERICK REEF, Australia**Annual Climatic Design Data (1994–2019)**

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
20.936S	154.401E	13	101.17	19.5	29.1	15.7	SE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	9	7	7	2	3	2	2	4	11	10	9	11

Prevailing Wind #1

DIR	ESE	ESE	SE	SE	SE	ESE	SE	SE	ESE	ESE	ESE	ESE
%OCC	23	22	27	36	27	23	26	23	21	27	29	24
AVG m/s	9.3	9.1	10.8	10.4	9.7	10.0	9.4	8.8	8.7	9.0	8.7	8.5
MED m/s	9.4	9.5	10.6	10.4	10.1	10.2	9.4	9.0	8.8	9.2	8.9	8.8

Prevailing Wind #2

DIR	SE	SE	ESE	ESE	ESE	SE	ESE	ESE	SE	SE	SE	SE
%OCC	21	22	26	25	24	21	23	19	19	18	19	18
AVG m/s	9.4	9.8	9.8	10.1	9.9	9.5	9.3	8.4	9.3	9.4	9.6	9.2
MED m/s	9.5	10.0	9.9	10.2	10.1	9.5	9.3	8.4	9.4	9.7	9.9	9.5

Prevailing Wind #3

DIR	E	E	E	SSE	SSE	SSE	SSE	SSE	E	E	E	E
%OCC	13	11	11	15	14	14	14	12	12	12	16	14
AVG m/s	8.0	8.3	8.7	9.3	8.3	7.9	8.5	8.0	7.0	7.2	7.3	7.1
MED m/s	8.1	8.5	9.0	9.4	8.2	7.5	8.5	7.8	7.2	7.3	7.7	7.5

Prevailing Wind #4

DIR	SSE	SSE	SSE	E	E	E	E	E	SSE	ENE	ENE	ENE
%OCC	8	11	9	7	8	10	11	11	7	6	6	7
AVG m/s	8.0	8.5	9.3	9.3	8.0	9.5	8.5	7.2	8.2	5.8	6.0	6.1
MED m/s	8.3	8.6	8.9	8.6	8.0	9.5	8.3	7.3	8.3	5.9	6.2	6.3