

SECRETARY ISLAND, New Zealand

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
45.221S	166.885E	19	101.10	3.3	21.2	14.2	NE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	1	0	0	0	0	4	0	0	0	1	1	1

Prevailing Wind #1

DIR	NE	NE	NE	NE	NE	SSE	NE	NE	NE	NE	NE	NE
%OCC	26	25	25	23	22	19	20	23	24	24	23	25
AVG m/s	8.2	7.9	8.2	8.1	8.0	2.7	8.1	7.9	8.6	8.6	8.3	8.5
MED m/s	8.1	7.9	8.0	8.0	7.8	2.7	8.0	7.7	8.6	8.5	8.5	8.5

Prevailing Wind #2

DIR	NNE	NNE	SSE	SSE	SSE	NE	SSE	SSE	SSE	SSE	WSW	NNE
%OCC	12	12	15	16	17	17	19	17	13	11	12	12
AVG m/s	5.7	5.9	2.7	2.7	2.7	7.7	2.8	2.7	2.7	2.6	5.4	6.4
MED m/s	5.5	5.8	2.7	2.7	2.7	7.8	2.8	2.7	2.7	2.5	4.9	6.3

Prevailing Wind #3

DIR	WSW	SSE	NNE	WSW	WSW	SE	SE	SE	NNE	WSW	SSE	WSW
%OCC	11	11	9	9	8	9	10	9	11	11	11	11
AVG m/s	4.7	2.6	5.8	5.0	5.7	2.5	2.7	2.5	6.6	5.4	2.5	4.9
MED m/s	4.3	2.6	6.0	4.5	4.8	2.6	2.7	2.5	6.4	4.7	2.5	4.5

Prevailing Wind #4

DIR	SSE	WSW	WSW	NNE	SE	S	WSW	NNE	WSW	NNE	NNE	SSE
%OCC	10	10	9	8	8	8	8	8	9	9	10	10
AVG m/s	2.6	4.9	4.8	5.3	2.5	2.2	5.4	5.5	5.2	5.9	6.4	2.6
MED m/s	2.6	4.6	4.4	5.1	2.5	2.1	4.7	5.5	4.6	5.6	6.1	2.6