

CHATHAM 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
43.8167S	176.4750W	12	101.18	3.0	20.8	15.7	WSW

Monthly Winds (1994–2019)

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

Prevailing Wind #1

DIR	WSW	WSW	NNW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW
%OCC	11	10	11	13	12	15	13	13	12	14	14	12
AVG m/s	7.5	7.3	7.1	6.8	6.6	7.5	7.3	7.4	8.9	8.6	8.2	7.7
MED m/s	7.3	7.0	7.0	6.5	6.2	7.2	7.0	7.0	8.8	8.5	7.9	7.4

Prevailing Wind #2

DIR	NNW	NNW	SW	WSW	WSW	WSW	SSW	WSW	SW	SW	SW	NNW
%OCC	11	10	10	12	11	13	11	10	12	12	12	11
AVG m/s	7.5	7.1	6.7	8.6	8.5	9.4	6.3	8.7	7.7	7.4	7.2	7.5
MED m/s	7.5	7.1	6.5	8.3	8.2	9.2	5.8	8.5	7.4	7.1	7.0	7.5

Prevailing Wind #3

DIR	SW	SW	WSW	SSW	SSW	SSW	WSW	SSW	NNW	NW	NNW	SW
%OCC	10	10	10	11	10	12	11	10	11	11	11	10
AVG m/s	6.7	6.5	7.9	6.3	6.0	6.9	8.8	6.7	7.6	7.4	8.1	6.9
MED m/s	6.4	6.3	7.6	6.0	5.6	6.3	8.7	6.3	7.9	7.2	8.2	6.8

Prevailing Wind #4

DIR	NW	NW	SSW	NNW	NNW	W	S	NNW	NW	NNW	NW	NW
%OCC	9	8	8	8	8	8	7	8	9	10	10	9
AVG m/s	7.3	6.6	5.9	7.2	6.9	8.7	4.9	7.0	7.6	7.7	7.9	7.3
MED m/s	7.1	6.4	5.3	7.0	6.7	8.3	4.1	6.7	7.5	7.6	7.6	7.3