

CASTLEPOINT, New Zealand

Annual Climatic Design Data (1995–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
40.9042S	176.2119E	120	99.89	4.5	24.6	25.1	NW

Monthly Winds (1995–2019)

	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	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
%OCC	25	22	20	20	25	22	20	21	27	31	28	25
AVG m/s	13.6	12.3	12.2	11.6	11.8	11.7	12.6	12.1	13.4	13.9	14.3	13.2
MED m/s	13.1	11.9	11.9	11.1	11.4	11.1	11.7	11.3	12.8	13.3	14.0	12.7

Prevailing Wind #2

DIR	SSW	NNE	SSW	SSW	WNW	WNW	WNW	WNW	NNW	WNW	WNW	SSW
%OCC	11	13	11	10	10	10	9	9	10	11	11	10
AVG m/s	8.8	6.4	9.0	8.4	10.3	9.5	10.8	10.4	9.3	12.5	13.7	9.1
MED m/s	8.1	6.3	8.4	8.3	9.2	8.5	9.9	9.0	9.0	11.5	13.3	8.9

Prevailing Wind #3

DIR	NE	SSW	NNE	NNE	NNW	WSW	SW	NNE	WNW	SSW	SSW	NNE
%OCC	10	11	11	10	9	9	8	8	10	9	10	10
AVG m/s	6.1	9.2	6.2	5.8	8.2	6.0	8.5	5.9	11.3	10.7	9.7	6.6
MED m/s	5.9	8.5	6.1	5.6	8.0	5.8	8.3	5.6	10.2	10.7	9.1	6.5

Prevailing Wind #4

DIR	NNE	NE	NNW	NNW	NNE	SW	NNW	WSW	SSW	NNW	NNW	NNW
%OCC	10	9	9	9	8	8	8	8	8	9	7	10
AVG m/s	6.2	6.4	8.2	8.0	5.4	8.1	8.2	6.4	9.4	9.4	9.1	9.4
MED m/s	6.2	6.3	8.2	8.2	5.2	7.8	7.8	6.0	9.0	9.2	9.1	9.3