

CHRISTCHURCH, 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
43.4897S	172.5269E	36	100.90	-2.8	28.2	11.3	ENE

Monthly Winds (1994–2019)

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

Prevailing Wind #1

DIR	ENE	ENE	ENE	ENE	ENE	WSW	WSW	ENE	ENE	ENE	ENE	ENE
%OCC	27	28	24	17	13	13	12	14	17	20	23	27
AVG m/s	5.9	5.9	5.5	4.9	4.4	3.6	3.5	4.5	5.0	5.4	5.7	6.1
MED m/s	5.8	5.7	5.3	4.8	4.3	3.3	3.2	4.4	4.8	5.3	5.6	5.9

Prevailing Wind #2

DIR	NE	NE	NE	NE	NE	SW	SW	SW	NE	NE	NE	NE
%OCC	11	11	13	12	12	12	12	12	11	12	11	11
AVG m/s	4.2	4.2	3.9	3.6	3.4	4.4	4.2	4.5	3.7	4.0	4.2	4.2
MED m/s	3.8	3.8	3.6	3.2	3.1	4.0	3.7	4.1	3.3	3.5	3.8	3.8

Prevailing Wind #3

DIR	E	E	SSW	SW	SW	NE	NE	NE	SW	SSW	SSW	E
%OCC	9	10	8	10	10	11	11	11	9	9	9	9
AVG m/s	5.4	5.4	5.6	4.4	4.5	3.2	3.3	3.5	4.7	5.9	5.6	5.6
MED m/s	5.3	5.4	5.3	3.9	3.9	2.9	2.9	3.1	4.3	5.6	5.4	5.5

Prevailing Wind #4

DIR	SSW	SSW	SW	WSW	WSW	ENE	ENE	WSW	SSW	SW	E	SSW
%OCC	9	9	8	8	10	9	11	10	8	8	8	8
AVG m/s	5.6	5.6	4.6	3.3	3.7	4.0	4.1	3.6	5.2	4.8	5.2	5.6
MED m/s	5.3	5.4	4.2	3.0	3.3	3.8	3.9	3.3	4.9	4.5	5.0	5.3