

KAIKOURA, New Zealand

Annual Climatic Design Data (1997–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
42.4204S	173.6950E	108	100.04	3.5	24.9	15.8	SSW

Monthly Winds (1997–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	1	1	1	1	1	1	1	1	1	1	1	1
Prevailing Wind #1												
DIR	NE	NE	NE	NE	SW	W	W	SW	NE	NE	NE	NE
%OCC	20	21	18	12	12	15	15	13	13	15	18	20
AVG m/s	5.9	5.6	5.2	4.8	6.4	5.0	4.9	6.1	4.9	5.0	5.4	5.3
MED m/s	5.2	5.1	4.7	4.2	5.3	4.6	4.6	5.1	4.3	4.5	5.0	4.9
Prevailing Wind #2												
DIR	SSW	SSW	SSW	SSW	W	SW	SW	W	SSW	SSW	SSW	SSW
%OCC	14	14	11	11	12	13	13	12	11	13	12	12
AVG m/s	6.7	6.7	6.6	6.1	4.8	6.7	6.3	4.8	6.6	6.8	6.6	6.5
MED m/s	5.9	5.7	5.9	5.2	4.2	5.7	5.2	4.4	5.7	5.7	5.7	5.8
Prevailing Wind #3												
DIR	SW	SW	SW	SW	WSW	WSW	WSW	NE	SW	SW	SW	SW
%OCC	9	10	10	10	11	12	12	11	11	11	9	9
AVG m/s	5.8	5.3	5.5	5.5	5.7	5.9	5.9	4.9	5.8	6.1	6.2	5.3
MED m/s	4.8	4.5	4.6	4.5	4.3	4.6	4.7	4.1	4.7	5.1	5.3	4.6
Prevailing Wind #4												
DIR	NNE	NNE	NNE	W	NNE	N	NNE	WSW	NNE	NNE	S	S
%OCC	8	9	10	10	10	9	9	11	10	10	9	8
AVG m/s	3.7	3.4	3.3	4.4	3.4	2.7	3.3	5.9	3.5	3.5	6.6	6.4
MED m/s	3.4	3.1	3.1	3.9	3.1	2.7	3.0	4.8	3.3	3.3	5.7	5.6