

WAIOURU, 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
39.446S	175.658E	819	91.87	-3.9	22.4	10.8	NNE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	18	18	19	22	21	20	20	19	15	14	13	14

Prevailing Wind #1

DIR	W	W	W	W	W	W	W	W	W	W	W	W
%OCC	13	12	12	12	14	14	13	14	16	19	18	15
AVG m/s	4.3	3.9	3.7	3.7	4.1	4.1	4.1	4.1	4.4	4.7	4.6	4.3
MED m/s	4.1	3.6	3.5	3.5	3.8	3.8	3.8	3.9	4.1	4.5	4.4	4.2

Prevailing Wind #2

DIR	WSW	WSW	WSW	NNE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WSW
%OCC	12	10	9	9	11	11	10	12	13	13	13	11
AVG m/s	4.1	3.6	3.5	4.3	4.7	4.4	4.3	4.5	5.0	5.2	5.3	4.1
MED m/s	3.9	3.4	3.3	3.4	4.5	4.2	4.1	4.5	4.8	5.1	5.1	3.9

Prevailing Wind #3

DIR	E	E	E	E	NNE	NNE	NNE	NNE	WSW	WSW	WSW	WNW
%OCC	7	9	8	8	9	8	9	9	8	12	12	11
AVG m/s	3.0	3.0	2.9	2.7	4.1	5.1	5.0	4.9	4.0	4.2	4.3	4.9
MED m/s	2.7	2.7	2.5	2.3	3.3	4.1	3.8	4.0	3.6	3.9	4.1	4.8

Prevailing Wind #4

DIR	WNW	ENE	NNE	WNW	NE	NE	NE	NE	NNE	NNE	E	NNE
%OCC	7	7	8	8	7	7	7	7	7	7	6	8
AVG m/s	4.8	3.5	4.4	4.3	3.6	3.8	4.1	3.9	4.8	4.5	3.1	4.8
MED m/s	4.7	3.1	3.5	4.2	3.1	3.2	3.4	3.5	3.9	3.9	2.7	3.9