

NAPIER, 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
39.4703S	176.8644E	3	101.29	1.2	28.3	11.1	W

Monthly Winds (1994–2019)

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

Prevailing Wind #1

DIR	ENE	ENE	SW	SW	SW	SW	SW	SW	SW	W	ENE	ENE
%OCC	14	14	15	15	17	19	17	15	12	12	11	14
AVG m/s	4.9	4.8	3.5	3.5	3.9	4.1	4.1	4.1	3.9	5.5	4.6	4.9
MED m/s	4.8	4.8	3.0	3.0	3.4	3.7	3.7	3.6	3.3	5.5	4.6	4.9

Prevailing Wind #2

DIR	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
%OCC	11	12	13	15	15	16	16	14	11	12	11	10
AVG m/s	3.4	3.2	3.0	3.0	3.3	3.3	3.4	3.4	3.6	4.2	4.1	3.6
MED m/s	2.5	2.8	2.5	2.6	2.8	3.0	3.0	2.9	2.9	3.5	3.2	2.7

Prevailing Wind #3

DIR	SW	WSW	ENE	W	W	W	W	W	W	SW	SW	SW
%OCC	10	11	11	10	12	13	11	11	11	10	10	9
AVG m/s	3.5	2.9	4.6	3.8	4.7	4.4	4.5	4.5	5.0	4.2	3.8	3.4
MED m/s	3.0	2.3	4.5	3.0	4.1	3.6	3.9	4.0	4.6	3.7	3.2	2.8

Prevailing Wind #4

DIR	E	E	W	ENE	WNW	WNW	WNW	NW	NW	ENE	W	E
%OCC	10	9	9	8	8	8	7	7	8	9	10	8
AVG m/s	4.5	4.5	4.1	4.1	4.4	4.7	4.5	4.5	5.2	4.3	5.4	4.7
MED m/s	4.6	4.5	3.0	3.8	4.3	4.6	4.2	4.2	4.9	4.3	5.2	4.7