

PALMERSTON NORTH, 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
40.323S	175.612E	39	100.86	0.0	25.9	11.5	WNW

Monthly Winds (1994–2019)

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

Prevailing Wind #1

DIR	WNW	ESE	ESE	ESE	NW	NW	ESE	NW	WNW	WNW	WNW	WNW
%OCC	17	15	14	13	13	13	13	13	17	21	21	18
AVG m/s	6.1	5.5	5.1	4.2	5.0	5.2	4.1	5.3	6.6	7.0	7.1	6.2
MED m/s	6.0	5.6	5.2	4.1	5.0	5.1	3.7	5.3	6.7	7.1	7.2	6.2

Prevailing Wind #2

DIR	W	W	WNW	SE	WNW	ESE	NW	ESE	NW	NW	W	W
%OCC	16	13	12	12	13	12	12	12	15	15	16	16
AVG m/s	5.0	5.1	6.0	4.7	6.3	3.7	5.2	3.9	5.3	5.4	5.8	5.4
MED m/s	4.9	4.9	5.8	4.7	6.3	3.2	5.2	3.6	5.2	5.3	5.5	5.2

Prevailing Wind #3

DIR	ESE	WNW	SE	WNW	ESE	NNW	SE	WNW	ESE	W	NW	NW
%OCC	12	12	12	11	11	10	10	12	10	13	13	11
AVG m/s	5.5	5.6	5.2	5.5	3.8	4.3	4.8	6.2	4.5	5.5	5.3	4.7
MED m/s	5.4	5.3	5.2	5.3	3.5	4.2	4.7	6.1	4.4	5.3	5.2	4.5

Prevailing Wind #4

DIR	NW	SE	NW	NW	NNW	WNW	WNW	E	W	NNW	ESE	ESE
%OCC	10	10	10	10	11	10	10	10	10	8	9	11
AVG m/s	4.8	5.4	4.9	5.0	4.0	6.1	6.0	3.8	5.1	4.0	5.1	5.1
MED m/s	4.5	5.5	4.7	5.0	4.0	6.1	6.1	3.3	4.9	3.8	5.1	5.2