

RAROTONGA, Cook Islands

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
21.2009S	159.8130W	6	101.26	17.2	30.8	10.2	ESE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	3	3	4	4	4	2	2	2	2	3	3	3

Prevailing Wind #1

DIR	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
%OCC	21	19	24	25	20	20	19	17	24	25	26	25
AVG m/s	4.1	4.2	3.8	4.3	4.0	4.0	3.9	4.0	4.6	4.5	4.3	4.7
MED m/s	4.0	3.8	3.5	4.0	3.7	3.9	3.6	3.7	4.5	4.4	4.2	4.5

Prevailing Wind #2

DIR	E	E	E	SE	E	SE	E	E	E	E	E	E
%OCC	18	16	16	14	13	14	13	13	16	17	17	16
AVG m/s	4.3	4.2	3.9	4.0	4.2	3.8	4.3	4.4	4.8	4.7	4.5	4.7
MED m/s	4.3	4.1	3.8	3.6	4.0	3.4	4.1	4.4	4.8	4.7	4.4	4.5

Prevailing Wind #3

DIR	ENE	ENE	SE	E	SE	E	SE	SE	SE	SE	ENE	SE
%OCC	13	11	11	13	12	13	11	13	14	14	12	12
AVG m/s	4.4	4.5	3.6	4.1	3.7	4.3	3.6	3.6	4.2	4.2	4.4	4.4
MED m/s	4.3	4.4	3.2	4.0	3.4	4.2	3.3	3.4	4.1	4.0	4.3	4.2

Prevailing Wind #4

DIR	SE	SE	ENE	ENE	SSE	SSE	SSE	SSE	ENE	ENE	SE	ENE
%OCC	8	9	10	9	11	11	10	11	11	11	11	9
AVG m/s	3.7	3.8	4.3	4.3	3.4	3.6	3.3	3.4	4.8	4.5	3.9	4.4
MED m/s	3.4	3.4	4.1	4.1	3.0	3.4	2.9	3.2	4.7	4.4	3.7	4.3