

PUKAPUKA, Cook Islands

Annual Climatic Design Data (1986–2002)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
10.915S	165.839W	5	101.27	23.9	32.5	10.1	ESE

Monthly Winds (1986–2002)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	18	15	17	20	12	8	9	6	7	10	16	14

Prevailing Wind #1

DIR	E	E	E	E	E	E	E	E	E	E	E	E
%OCC	14	15	23	29	36	40	41	41	41	32	25	13
AVG m/s	4.6	5.1	4.9	4.6	4.9	5.9	5.8	5.9	5.7	5.1	4.9	4.8
MED m/s	4.5	4.9	4.7	4.4	4.7	5.6	5.6	5.8	5.5	4.9	4.6	4.6

Prevailing Wind #2

DIR	NE	NE	ENE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	N
%OCC	11	9	11	12	16	24	23	23	23	18	10	10
AVG m/s	4.4	4.6	4.6	5.2	6.0	6.7	6.8	6.8	6.6	6.1	6.0	5.1
MED m/s	4.2	4.5	4.4	5.1	6.0	6.8	7.0	6.9	6.8	6.0	5.5	4.4

Prevailing Wind #3

DIR	N	N	NE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	NW
%OCC	9	9	10	9	10	11	9	8	10	8	10	10
AVG m/s	5.0	5.3	4.3	4.1	4.6	5.2	5.3	5.2	4.8	4.3	4.5	5.8
MED m/s	4.6	4.7	4.2	4.0	4.3	4.9	5.0	4.8	4.6	4.1	4.3	4.9

Prevailing Wind #4

DIR	ENE	NNE	NNE	SE	SE	SE	SE	SE	SE	ENE	N	NNW
%OCC	8	8	8	5	7	8	7	7	7	8	7	8
AVG m/s	4.4	4.4	4.0	4.7	5.8	6.2	6.5	6.6	5.7	4.6	4.9	5.4
MED m/s	4.2	4.1	3.9	4.3	5.5	5.9	6.9	6.9	5.6	4.3	4.4	4.6