

MANGAIA, Cook Islands**Annual Climatic Design Data (1986–2019)**

Latitude	Longitude	Elevation ft	Standard Station Pressure psi	Winter Temperature °F	Summer Temperature °F	Extreme Wind Speed mph	Extreme Wind Direction
21.917S	157.950W	135	14.62	60.9	85.8	21.2	SE

Monthly Winds (1986–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	12	16	18	14	15	14	12	8	13	8	11	8
Prevailing Wind #1												
DIR	NNE	E	E	SE	SE	SE	SE	NNE	SE	E	E	NNE
%OCC	18	15	14	22	15	15	13	25	17	19	23	17
AVG mph	7.9	9.9	8.8	10.6	10.1	9.1	9.8	8.4	10.2	8.1	9.1	7.8
MED mph	7.6	8.7	8.3	9.9	9.4	8.2	8.5	8.0	9.7	7.6	8.3	7.5
Prevailing Wind #2												
DIR	E	ESE	SE	E	E	E	S	SE	E	NNE	SE	SE
%OCC	12	10	12	17	12	10	10	9	12	18	18	17
AVG mph	8.8	12.2	8.8	9.5	9.0	9.1	9.8	10.0	9.3	7.8	9.8	9.4
MED mph	7.7	10.9	8.1	9.1	8.6	8.7	9.0	9.3	9.2	7.4	9.3	9.0
Prevailing Wind #3												
DIR	NE	SE	ESE	ESE	ESE	ESE	E	NE	S	ESE	ESE	E
%OCC	10	10	8	11	10	8	8	8	11	16	13	15
AVG mph	8.8	12.4	9.1	11.2	8.5	10.0	9.3	8.4	9.6	8.5	9.1	8.0
MED mph	8.0	9.8	8.8	10.9	7.9	9.9	8.6	7.6	9.1	8.3	8.5	7.5
Prevailing Wind #4												
DIR	SE	NE	NE	N	S	NE	W	E	ESE	SE	NE	ESE
%OCC	10	10	7	7	8	8	7	8	9	11	9	14
AVG mph	9.7	9.0	8.3	12.0	8.7	9.2	12.3	8.0	10.2	9.3	8.6	9.2
MED mph	8.9	8.2	7.9	10.8	7.9	8.6	11.6	7.8	9.9	8.6	8.0	8.7