

FUA'AMOTU, Tonga

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
21.241S	175.150W	38	100.87	15.2	30.9	8.9	ESE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	16	18	19	12	15	15	15	13	16	15	14	13

Prevailing Wind #1

DIR	ESE	ESE	ESE	ESE	SE	ESE	SE	SE	ESE	ESE	ESE	ESE
%OCC	20	18	21	23	21	18	18	18	18	21	22	25
AVG m/s	4.3	4.4	4.0	4.2	4.3	4.2	4.3	4.1	4.6	4.4	4.1	4.4
MED m/s	4.1	4.3	3.8	4.1	4.1	4.0	4.1	4.0	4.6	4.3	4.0	4.3

Prevailing Wind #2

DIR	E	E	E	SE	ESE	SE	ESE	ESE	SE	SE	SE	E
%OCC	15	13	14	18	19	17	14	16	16	18	18	20
AVG m/s	4.2	4.1	4.0	4.1	4.2	4.1	4.1	4.2	4.3	4.3	4.0	4.5
MED m/s	4.0	3.8	3.8	3.8	4.0	3.9	3.9	4.2	4.2	4.2	3.8	4.4

Prevailing Wind #3

DIR	SE	SE	SE	E	E	E	SSE	E	E	E	E	SE
%OCC	14	12	14	15	12	12	11	11	14	14	13	14
AVG m/s	4.2	4.3	4.0	4.2	4.0	4.1	4.5	4.0	4.4	4.1	4.2	4.1
MED m/s	4.0	4.1	3.7	4.1	3.8	3.9	4.4	3.8	4.3	4.0	4.0	3.9

Prevailing Wind #4

DIR	ENE	ENE	ENE	SSE	SSE	SSE	E	SSE	SSE	SSE	SSE	ENE
%OCC	7	8	6	8	9	10	10	10	9	11	9	6
AVG m/s	4.0	3.6	3.7	4.2	4.2	4.4	4.2	4.5	4.4	4.5	4.4	4.3
MED m/s	3.8	3.3	3.4	4.0	4.1	4.2	4.1	4.4	4.3	4.4	4.4	4.1