

VAVA'U, Tonga

Annual Climatic Design Data (1995–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
18.583S	173.967W	70	100.49	16.0	30.2	8.6	E

Monthly Winds (1995–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	20	19	26	23	21	20	20	18	17	16	19	17

Prevailing Wind #1

DIR	E	E	E	E	ESE	E	E	E	E	ESE	E	E
%OCC	13	12	17	16	18	18	18	18	21	22	20	24
AVG m/s	4.4	4.8	4.1	4.7	4.6	4.7	4.8	5.0	4.8	4.6	5.0	4.9
MED m/s	4.3	4.5	4.0	4.7	4.5	4.6	4.8	4.9	4.8	4.5	4.9	4.8

Prevailing Wind #2

DIR	ENE	ENE	ESE	ESE	E	ESE	ESE	ESE	ESE	E	ESE	ESE
%OCC	10	11	12	16	17	18	17	17	18	21	18	17
AVG m/s	4.5	4.3	3.8	4.7	4.8	4.6	4.5	4.5	4.4	4.9	4.6	4.5
MED m/s	4.3	4.1	3.8	4.4	4.7	4.5	4.4	4.4	4.4	4.9	4.5	4.6

Prevailing Wind #3

DIR	ESE	NNW	ENE	SE	SE	SE	SE	SE	SE	SE	SE	ENE
%OCC	9	9	9	12	13	15	14	14	13	15	11	10
AVG m/s	4.3	4.9	4.0	4.2	4.5	4.4	4.3	4.2	4.0	4.4	4.4	4.8
MED m/s	4.2	4.5	3.9	4.0	4.3	4.1	4.2	4.0	3.8	4.3	4.3	4.8

Prevailing Wind #4

DIR	NNW	NE	SE	ENE	SSE	ENE	SSE	SSE	ENE	SSE	ENE	SE
%OCC	8	8	6	7	8	8	8	8	8	7	8	9
AVG m/s	5.2	4.2	3.7	4.5	4.2	4.8	4.2	3.9	4.8	4.1	4.8	4.4
MED m/s	4.9	4.0	3.6	4.4	4.0	4.7	4.0	3.8	4.9	4.0	4.7	4.3