

VAVA'U, Tonga

Annual Climatic Design Data (1995–2019)

Latitude	Longitude	Elevation ft	Standard Station Pressure psi	Winter Temperature °F	Summer Temperature °F	Extreme Wind Speed mph	Extreme Wind Direction
18.583S	173.967W	230	14.57	60.8	86.4	19.3	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 mph	9.8	10.7	9.1	10.6	10.4	10.5	10.7	11.1	10.8	10.2	11.2	10.9
MED mph	9.7	10.1	9.0	10.4	10.0	10.2	10.7	11.0	10.8	10.1	10.9	10.8

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 mph	10.0	9.7	8.6	10.6	10.7	10.4	10.0	10.1	9.9	10.9	10.2	10.1
MED mph	9.6	9.2	8.5	9.7	10.4	10.0	9.9	9.8	9.7	10.9	10.1	10.2

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 mph	9.7	10.9	9.0	9.5	10.0	9.8	9.6	9.3	8.9	9.8	9.9	10.7
MED mph	9.3	10.2	8.8	9.0	9.6	9.3	9.3	9.0	8.5	9.7	9.5	10.7

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 mph	11.6	9.3	8.2	10.1	9.5	10.7	9.3	8.7	10.8	9.1	10.8	9.8
MED mph	10.9	8.9	8.2	9.8	9.0	10.5	8.9	8.6	10.9	9.0	10.6	9.7