

HA'APAI, Tonga

Annual Climatic Design Data (1994–2019)

Latitude	Longitude	Elevation ft	Standard Station Pressure psi	Winter Temperature °F	Summer Temperature °F	Extreme Wind Speed mph	Extreme Wind Direction
19.777S	174.341W	31	14.68	66.6	86.4	22.3	E

Monthly Winds (1994–2019)

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

Prevailing Wind #1

DIR	E	E	E	E	ESE	E	E	E	E	E	E	E
%OCC	24	23	30	31	28	29	25	25	30	30	30	32
AVG mph	10.2	10.5	10.1	11.5	11.8	10.9	11.4	11.7	11.0	11.3	11.0	12.0
MED mph	9.6	9.7	9.7	11.0	11.1	10.4	11.1	11.2	10.7	10.7	10.6	11.7

Prevailing Wind #2

DIR	ESE	ESE	ESE	ESE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE
%OCC	18	11	17	20	26	24	23	23	23	25	22	22
AVG mph	10.4	11.2	10.0	10.8	11.4	10.5	11.1	11.1	10.6	11.4	10.7	11.3
MED mph	9.7	10.6	9.7	10.6	10.5	9.9	10.8	10.7	9.9	10.5	10.1	10.8

Prevailing Wind #3

DIR	ENE	ENE	ENE	SE	SE	SE	SE	SE	ENE	SE	SE	ENE
%OCC	10	10	10	9	13	13	11	14	10	12	12	12
AVG mph	11.0	10.8	9.8	10.5	11.0	10.2	10.5	10.9	12.0	11.3	11.5	12.1
MED mph	10.3	9.0	9.4	10.1	10.0	9.5	10.1	10.5	11.5	10.4	10.6	11.9

Prevailing Wind #4

DIR	SE	NNW	SE	ENE	ENE	ENE	ENE	ENE	SE	ENE	ENE	SE
%OCC	6	7	6	9	10	9	8	10	10	11	10	7
AVG mph	11.1	9.2	10.0	10.8	11.9	10.3	12.2	11.8	10.1	11.6	11.3	10.7
MED mph	10.8	7.5	9.6	10.1	11.8	9.2	12.0	11.3	9.6	11.0	11.0	10.0