

HA'APAI, 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
19.777S	174.341W	9	101.21	19.2	30.2	10.0	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 m/s	4.6	4.7	4.5	5.2	5.3	4.9	5.1	5.2	4.9	5.1	4.9	5.4
MED m/s	4.3	4.3	4.4	4.9	5.0	4.6	4.9	5.0	4.8	4.8	4.8	5.3

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 m/s	4.7	5.0	4.5	4.8	5.1	4.7	5.0	5.0	4.7	5.1	4.8	5.1
MED m/s	4.3	4.7	4.3	4.7	4.7	4.4	4.8	4.8	4.4	4.7	4.5	4.8

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 m/s	4.9	4.8	4.4	4.7	4.9	4.5	4.7	4.9	5.4	5.1	5.2	5.4
MED m/s	4.6	4.0	4.2	4.5	4.5	4.3	4.5	4.7	5.1	4.7	4.7	5.3

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 m/s	4.9	4.1	4.5	4.8	5.3	4.6	5.5	5.3	4.5	5.2	5.0	4.8
MED m/s	4.8	3.4	4.3	4.5	5.3	4.1	5.4	5.1	4.3	4.9	4.9	4.5