

APIA, Samoa

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
13.815S	171.781W	2	101.30	22.0	31.2	10.4	E

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	16	18	18	19	17	14	10	14	12	15	17	18
Prevailing Wind #1												
DIR	E	E	E	E	E	E	E	E	E	E	E	E
%OCC	13	15	15	16	20	29	32	35	35	29	22	17
AVG m/s	4.9	5.1	5.0	5.2	5.4	5.9	5.8	5.9	6.3	5.7	5.5	5.2
MED m/s	4.6	4.9	4.7	5.0	5.4	5.6	5.7	5.6	6.1	5.5	5.3	5.0
Prevailing Wind #2												
DIR	S	S	S	S	S	ESE	ESE	ESE	ESE	ESE	S	S
%OCC	11	9	13	12	11	16	16	15	14	12	10	10
AVG m/s	1.5	1.6	1.5	1.5	1.5	3.8	3.6	4.0	3.9	3.6	1.4	1.4
MED m/s	1.4	1.5	1.5	1.3	1.4	3.7	3.5	3.8	3.7	3.4	1.4	1.3
Prevailing Wind #3												
DIR	ENE	ENE	ENE	ENE	ESE	SE	SE	SE	ENE	ENE	ENE	ENE
%OCC	7	7	10	9	11	11	10	9	9	9	9	9
AVG m/s	5.0	5.4	5.2	5.0	3.4	2.5	2.4	2.5	6.1	5.6	5.3	4.8
MED m/s	4.6	5.0	4.8	4.8	3.2	2.3	2.2	2.2	6.1	5.2	5.0	4.6
Prevailing Wind #4												
DIR	SSW	SE	SSW	SSW	SE	S	S	S	S	S	ESE	ESE
%OCC	6	6	6	8	8	8	8	7	9	9	8	6
AVG m/s	1.7	2.3	1.7	1.6	2.4	1.5	1.4	1.5	1.5	1.4	3.4	3.0
MED m/s	1.7	2.1	1.7	1.4	2.2	1.3	1.3	1.3	1.4	1.2	3.2	2.8