

VAIAKU, Tuvalu

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
8.522S	179.198E	2	101.30	24.8	32.7	10.9	E

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	6	4	8	7	8	6	4	5	5	8	8	7

Prevailing Wind #1

DIR	WNW	NNE	E	E	E	E	E	E	E	E	E	ENE
%OCC	10	11	15	22	23	30	32	31	33	22	16	11
AVG m/s	5.8	4.3	4.6	4.6	4.7	5.5	5.8	5.5	5.4	4.4	4.5	4.5
MED m/s	5.5	4.2	4.3	4.4	4.3	5.3	5.5	5.2	5.1	4.0	4.2	4.3

Prevailing Wind #2

DIR	W	W	ENE	ENE	ENE	ENE	ESE	ESE	ENE	ENE	ENE	NE
%OCC	10	10	14	19	18	19	22	21	19	17	15	11
AVG m/s	5.9	5.9	4.1	4.0	4.3	4.7	5.8	5.8	4.8	4.1	4.0	4.3
MED m/s	5.4	5.5	3.8	3.8	3.9	4.4	5.5	5.6	4.4	3.8	3.7	4.0

Prevailing Wind #3

DIR	NNE	NE	NE	ESE	ESE	ESE	ENE	ENE	ESE	ESE	NE	NNE
%OCC	10	10	11	9	15	19	17	18	18	15	11	9
AVG m/s	4.3	4.2	3.6	4.5	4.7	5.6	5.0	4.7	5.5	4.9	3.9	4.1
MED m/s	4.2	4.1	3.4	4.2	4.4	5.4	4.7	4.5	5.2	4.7	3.8	3.8

Prevailing Wind #4

DIR	N	N	NNE	NE	SE	SE	SE	SE	SE	NE	ESE	E
%OCC	10	9	9	8	9	11	11	10	8	8	10	8
AVG m/s	4.4	4.4	3.7	3.4	4.3	4.9	5.0	4.8	5.2	3.8	5.0	4.4
MED m/s	4.3	4.1	3.6	3.2	3.8	4.4	4.7	4.4	4.7	3.6	4.8	4.0