

SOUTHWEST HAWAII BUOY 51002, United States of America

Annual Climatic Design Data (1994–2018)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
17.043N	157.742W	0	101.33	22.2	28.2	13.2	ENE

Monthly Winds (1994–2018)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	1	1	0	0	0	0	0	0	0	0	0	0

Prevailing Wind #1

DIR	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
%OCC	36	39	43	46	47	53	52	48	49	48	48	41
AVG m/s	8.3	8.6	8.9	8.7	8.3	8.2	8.3	8.1	7.7	8.3	8.9	9.3
MED m/s	8.6	8.8	9.1	8.7	8.6	8.2	8.3	8.2	7.8	8.5	9.0	9.3

Prevailing Wind #2

DIR	E	E	E	E	E	E	E	E	E	E	E	E
%OCC	27	27	28	38	38	37	36	35	37	35	30	30
AVG m/s	8.2	8.2	8.4	8.5	8.1	8.1	8.1	8.2	7.6	8.0	8.5	8.8
MED m/s	8.7	8.5	8.6	8.6	8.3	8.1	8.2	8.3	7.7	8.1	8.6	9.0

Prevailing Wind #3

DIR	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
%OCC	12	12	11	8	7	5	8	11	8	9	11	11
AVG m/s	7.2	7.7	7.6	7.6	6.7	8.0	8.2	8.0	7.1	7.8	8.5	8.6
MED m/s	7.3	8.0	7.7	7.6	7.0	8.1	8.4	8.2	7.1	8.0	8.7	8.7

Prevailing Wind #4

DIR	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE
%OCC	7	7	5	5	4	4	3	4	5	5	6	7
AVG m/s	6.3	6.2	6.8	7.1	6.8	7.2	7.3	6.7	6.4	6.7	6.8	7.2
MED m/s	6.4	6.5	7.1	7.3	7.0	7.4	7.2	7.1	6.8	6.9	7.1	7.4