

SOUTHWEST HAWAII BUOY 51002, United States of America

Annual Climatic Design Data (1994–2018)

Latitude	Longitude	Elevation ft	Standard Station Pressure psi	Winter Temperature °F	Summer Temperature °F	Extreme Wind Speed mph	Extreme Wind Direction
17.043N	157.742W	0	14.70	72.0	82.7	29.5	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 mph	18.5	19.2	20.0	19.5	18.6	18.3	18.5	18.2	17.2	18.6	20.0	20.7
MED mph	19.3	19.7	20.3	19.5	19.2	18.4	18.6	18.4	17.5	18.9	20.2	20.8

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 mph	18.4	18.4	18.8	19.1	18.2	18.0	18.0	18.3	17.0	17.8	19.0	19.8
MED mph	19.4	18.9	19.3	19.3	18.5	18.2	18.4	18.5	17.3	18.1	19.2	20.1

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 mph	16.0	17.3	17.0	16.9	14.9	17.8	18.4	17.9	15.8	17.4	19.1	19.3
MED mph	16.3	17.8	17.2	17.0	15.6	18.0	18.7	18.2	15.9	17.9	19.5	19.4

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 mph	14.1	13.9	15.3	15.9	15.3	16.1	16.3	15.0	14.3	14.9	15.2	16.1
MED mph	14.4	14.6	15.8	16.3	15.7	16.5	16.1	15.9	15.2	15.4	15.9	16.6