

WEST HAWAII BUOY 51003, 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
19.175N	160.625W	0	14.70	71.0	82.8	24.8	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	22	25	30	35	32	40	40	40	34	28	32	28
AVG mph	15.2	15.4	16.8	16.4	14.5	14.2	14.7	14.5	13.3	14.0	16.5	16.5
MED mph	15.6	15.8	17.3	16.6	15.1	14.6	15.0	14.9	13.7	14.5	16.8	16.6

Prevailing Wind #2

DIR	NE	E	NE	E	E	E	E	E	E	E	E	NE
%OCC	16	17	21	24	26	31	28	30	30	24	19	20
AVG mph	14.9	13.9	17.8	14.9	13.7	13.6	13.7	13.7	12.7	13.6	14.6	16.5
MED mph	15.6	14.3	18.6	15.2	14.1	14.0	14.1	14.0	13.3	14.0	14.8	16.6

Prevailing Wind #3

DIR	E	NE	E	NE	NE	NE	NE	NE	ESE	NE	NE	E
%OCC	13	16	18	18	15	14	16	12	14	15	18	17
AVG mph	13.6	16.6	14.5	16.5	13.8	13.8	14.6	13.5	11.9	13.5	17.1	14.7
MED mph	14.1	17.2	14.8	16.7	14.4	14.1	15.1	14.0	12.6	14.0	17.5	15.0

Prevailing Wind #4

DIR	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NE	ESE	ESE	ESE
%OCC	10	9	9	11	14	10	11	10	13	14	12	12
AVG mph	13.7	13.8	14.0	14.0	13.0	11.9	12.8	12.2	12.3	13.0	14.0	14.0
MED mph	14.2	14.1	14.3	14.4	13.5	12.5	13.3	12.7	12.9	13.5	14.4	14.3