

WEST HAWAII BUOY 51003, 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
19.175N	160.625W	0	101.33	21.7	28.2	11.1	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 m/s	6.8	6.9	7.5	7.3	6.5	6.4	6.6	6.5	5.9	6.3	7.4	7.4
MED m/s	7.0	7.0	7.7	7.4	6.8	6.5	6.7	6.7	6.1	6.5	7.5	7.4

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 m/s	6.6	6.2	8.0	6.7	6.1	6.1	6.1	6.1	5.7	6.1	6.5	7.4
MED m/s	7.0	6.4	8.3	6.8	6.3	6.2	6.3	6.3	5.9	6.3	6.6	7.4

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 m/s	6.1	7.4	6.5	7.4	6.2	6.2	6.5	6.0	5.3	6.0	7.6	6.6
MED m/s	6.3	7.7	6.6	7.5	6.4	6.3	6.7	6.2	5.6	6.2	7.8	6.7

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 m/s	6.1	6.2	6.3	6.3	5.8	5.3	5.7	5.4	5.5	5.8	6.2	6.3
MED m/s	6.3	6.3	6.4	6.4	6.0	5.6	6.0	5.7	5.8	6.0	6.4	6.4