

NW HAWAII BUOY 51001, HI, 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
24.453N	162.000W	0	101.33	19.3	28.2	13.2	ENE

Monthly Winds (1994–2018)

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

Prevailing Wind #1

DIR	E	E	E	ENE	E	E	ENE	E	E	E	ENE	E
%OCC	17	19	20	30	23	38	44	43	37	27	25	22
AVG m/s	7.3	7.5	7.8	8.1	6.8	7.5	7.8	7.4	7.0	7.3	8.2	8.1
MED m/s	7.5	7.9	8.3	8.2	7.1	7.7	8.0	7.5	7.2	7.5	8.6	8.4

Prevailing Wind #2

DIR	ESE	ENE	ENE	E	ENE	ENE	E	ENE	ENE	ENE	E	ENE
%OCC	12	16	18	26	23	36	40	39	32	25	21	15
AVG m/s	6.4	7.9	8.2	8.0	7.5	7.5	7.7	7.4	7.0	7.5	7.5	7.7
MED m/s	6.8	8.3	8.8	8.2	8.1	7.7	7.9	7.6	7.2	7.8	7.8	8.0

Prevailing Wind #3

DIR	ENE	ESE	ESE	NE	ESE	ESE	ESE	ESE	ESE	ESE	NE	ESE
%OCC	12	11	13	14	15	11	7	8	10	11	12	11
AVG m/s	8.0	6.4	6.9	7.4	5.8	6.4	6.4	6.5	6.0	6.6	7.9	7.0
MED m/s	8.1	6.6	7.2	7.6	6.1	6.7	6.7	6.8	6.4	6.8	8.0	7.1

Prevailing Wind #4

DIR	NE	NE	NE	ESE	NE	NE	NE	NE	NE	NE	ESE	NE
%OCC	6	9	10	8	9	7	6	5	7	11	10	8
AVG m/s	7.7	7.2	8.1	6.4	7.0	6.0	6.7	6.0	5.8	7.3	6.3	7.2
MED m/s	7.7	7.3	8.8	6.7	7.6	6.2	7.2	6.3	6.2	7.5	6.7	7.4