

SOUTHEAST HAWAII BUOY 51004, 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
17.533N	152.255W	0	101.33	21.5	28.6	11.7	ENE

Monthly Winds (1994–2018)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	0	0	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	32	36	36	51	46	53	53	53	53	50	44	40
AVG m/s	8.2	8.3	8.1	8.3	7.8	7.8	7.9	7.9	7.3	7.8	8.4	9.0
MED m/s	8.5	8.6	8.3	8.3	8.0	7.9	7.9	8.0	7.4	7.9	8.5	9.1

Prevailing Wind #2

DIR	E	E	E	E	E	E	NE	NE	E	E	E	E
%OCC	26	28	25	26	25	22	21	23	23	25	28	27
AVG m/s	7.7	7.6	7.5	7.8	7.1	7.5	7.7	7.7	7.0	7.4	8.0	8.4
MED m/s	7.9	7.8	7.7	7.9	7.3	7.6	7.8	7.8	7.1	7.6	8.1	8.5

Prevailing Wind #3

DIR	NE	NE	NE	NE	NE	NE	E	E	NE	NE	NE	NE
%OCC	14	14	17	15	16	14	19	17	17	15	14	11
AVG m/s	7.8	8.0	8.2	8.2	7.7	7.8	7.6	7.5	7.0	7.5	8.0	8.7
MED m/s	8.2	8.5	8.3	8.2	8.0	8.0	7.7	7.6	7.2	7.6	8.3	8.9

Prevailing Wind #4

DIR	ESE	ESE	ESE	ESE	ESE	ESE	NNE	NNE	ESE	ESE	ESE	ESE
%OCC	10	7	9	4	7	2	2	3	3	5	6	8
AVG m/s	6.5	6.2	6.3	6.3	5.3	6.1	6.8	7.2	6.2	6.6	6.8	7.1
MED m/s	6.7	6.4	6.4	6.6	5.5	6.8	6.9	7.1	6.4	6.7	7.1	7.1