

KALAELOA, HI, United States of America

Annual Climatic Design Data (1994–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
21.317N	158.067W	10	101.20	16.0	32.1	8.0	ENE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	10	10	8	7	9	8	9	9	11	13	12	11

Prevailing Wind #1

DIR	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
%OCC	23	23	23	30	26	36	39	38	30	29	28	26
AVG m/s	2.7	3.0	3.1	3.9	3.6	3.7	3.8	3.7	3.4	3.5	3.6	3.8
MED m/s	2.2	2.5	2.6	3.9	3.5	3.8	3.9	3.7	3.2	3.3	3.4	3.6

Prevailing Wind #2

DIR	ENE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE
%OCC	16	18	23	27	26	28	29	28	28	25	24	22
AVG m/s	3.5	3.8	3.8	3.3	3.2	3.4	3.6	3.4	2.9	2.9	2.9	2.8
MED m/s	3.2	3.6	3.7	2.9	2.7	3.0	3.3	2.9	2.5	2.5	2.5	2.3

Prevailing Wind #3

DIR	NNE	NNE	NNE	NNE	NNE	E	E	E	E	E	NNE	NNE
%OCC	11	11	11	8	7	9	8	8	7	7	8	9
AVG m/s	3.2	3.4	3.8	3.7	3.5	4.1	4.2	4.2	4.0	4.1	3.3	3.1
MED m/s	2.7	2.9	3.5	3.5	3.1	4.3	4.3	4.3	4.2	4.2	2.9	2.6

Prevailing Wind #4

DIR	SW	SE	E	E	E	NNE	SE	NNE	SE	NNE	E	E
%OCC	6	5	5	7	6	4	4	4	6	5	6	6
AVG m/s	5.0	4.5	4.0	4.3	4.0	3.4	4.9	3.4	4.8	3.0	3.9	4.3
MED m/s	4.8	4.5	4.1	4.4	4.2	3.1	5.0	2.9	4.8	2.6	4.1	4.2