

ALOFI, Niue

Annual Climatic Design Data (1994–2019)

Latitude	Longitude	Elevation ft	Standard Station Pressure psi	Winter Temperature °F	Summer Temperature °F	Extreme Wind Speed mph	Extreme Wind Direction
19.067S	169.917W	72	14.66	60.6	87.4	21.4	ESE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	9	12	14	13	9	15	20	11	11	8	8	10

Prevailing Wind #1

DIR	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE
%OCC	19	17	17	20	22	21	17	19	23	24	23	23
AVG mph	10.8	11.5	8.7	10.2	11.2	11.1	10.3	10.7	12.2	11.5	11.5	11.1
MED mph	10.8	11.5	8.4	10.0	11.2	11.1	10.2	10.5	12.6	11.6	11.5	11.1

Prevailing Wind #2

DIR	E	E	E	E	E	SE	E	ESE	E	E	E	E
%OCC	15	13	16	14	17	17	16	17	18	18	17	17
AVG mph	7.8	8.4	7.6	7.9	8.8	9.5	8.9	11.6	10.2	8.8	8.9	9.0
MED mph	7.3	7.7	7.1	7.3	8.4	9.0	8.5	11.7	10.2	8.5	8.7	8.6

Prevailing Wind #3

DIR	SE	SE	SE	SE	SE	E	SE	E	SE	SE	SE	SE
%OCC	12	10	10	12	17	15	13	15	16	16	14	12
AVG mph	10.3	10.4	7.3	7.9	8.9	8.4	9.3	8.8	11.6	11.2	10.5	9.1
MED mph	10.2	9.7	6.2	7.3	8.5	8.0	9.0	8.5	11.6	11.4	10.3	8.3

Prevailing Wind #4

DIR	ENE	ENE	ENE	ENE	SSE	SSE	ENE	SSE	SSE	ENE	ENE	ENE
%OCC	9	8	9	7	9	9	7	8	8	9	8	6
AVG mph	7.0	7.1	6.8	6.6	8.1	9.4	7.9	9.8	9.9	7.6	7.7	7.0
MED mph	6.5	6.6	6.4	6.2	7.8	9.3	7.5	10.0	9.9	7.5	7.5	6.6