

WAKE ISLAND, United States Minor Outlying Islands

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
19.283N	166.650E	7	101.24	22.4	32.7	12.0	ENE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	2	2	2	1	3	2	1	2	2	1	1	3

Prevailing Wind #1

DIR	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
%OCC	23	23	37	42	38	40	40	32	31	38	38	27
AVG m/s	6.5	7.1	7.6	7.3	6.6	6.0	6.3	5.6	5.8	6.8	7.9	7.0
MED m/s	6.4	7.2	7.7	7.4	6.8	5.9	6.5	5.5	5.8	7.0	8.0	7.3

Prevailing Wind #2

DIR	NE	NE	NE	E	E	E	E	E	E	NE	NE	NE
%OCC	19	21	24	21	20	24	31	25	23	23	30	25
AVG m/s	6.9	7.2	7.6	5.9	5.3	5.3	5.4	5.0	5.1	6.5	7.5	6.9
MED m/s	6.8	7.3	7.7	5.8	5.2	5.2	5.4	5.0	5.1	6.5	7.4	6.9

Prevailing Wind #3

DIR	E	E	E	NE	NE	NE	ESE	ESE	NE	E	E	E
%OCC	14	12	14	20	15	13	9	12	14	17	15	15
AVG m/s	5.3	5.4	6.4	7.2	6.5	6.0	4.4	4.1	5.3	5.6	6.4	5.9
MED m/s	5.1	5.1	6.7	7.4	6.2	5.9	4.4	4.1	5.3	5.5	6.6	5.7

Prevailing Wind #4

DIR	NNE	NNE	NNE	ESE	ESE	ESE	NE	NE	ESE	NNE	NNE	NNE
%OCC	9	10	7	5	9	8	8	11	10	6	7	11
AVG m/s	7.1	7.5	6.9	4.3	3.9	4.1	5.0	5.0	4.3	5.9	7.0	6.5
MED m/s	7.2	7.4	6.9	4.4	3.8	4.1	5.3	5.1	4.2	5.9	6.8	6.4