

KWAJALEIN ATOLL, Marshall 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
8.720N	167.730E	2	101.30	24.6	31.4	11.2	ENE

Monthly Winds (1994–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	0	0	0	1	1	1	3	6	6	6	2	0

Prevailing Wind #1

DIR	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
%OCC	50	53	54	57	52	46	32	21	19	21	35	49
AVG m/s	7.9	7.9	7.6	7.4	6.9	6.6	5.9	5.0	5.1	5.3	6.6	7.9
MED m/s	8.0	8.0	7.8	7.6	6.9	6.7	6.0	5.0	5.0	5.3	6.7	7.9

Prevailing Wind #2

DIR	NE	NE	NE	E	E	E	E	E	E	E	E	NE
%OCC	28	26	23	20	23	24	27	19	15	16	19	24
AVG m/s	7.7	7.5	7.2	6.8	6.5	6.1	5.7	4.8	4.8	5.0	6.0	7.7
MED m/s	7.7	7.7	7.4	6.8	6.5	6.1	5.7	4.8	4.7	4.9	5.9	7.7

Prevailing Wind #3

DIR	E	E	E	NE	NE	NE	ESE	NE	NE	NE	NE	E
%OCC	14	14	16	16	15	14	11	11	10	12	16	17
AVG m/s	7.2	7.4	7.0	7.2	6.3	5.8	5.0	4.4	4.4	4.7	6.1	7.3
MED m/s	7.3	7.4	7.1	7.3	6.4	5.9	4.9	4.3	4.2	4.7	6.2	7.3

Prevailing Wind #4

DIR	NNE	NNE	ESE	ESE	ESE	ESE	NE	ESE	ESE	ESE	ESE	ESE
%OCC	3	3	3	3	5	8	10	11	10	10	8	4
AVG m/s	6.7	6.7	5.8	6.0	5.7	5.1	4.8	4.3	4.2	4.5	5.1	6.8
MED m/s	6.9	6.8	5.6	5.7	5.4	5.0	4.7	4.1	4.0	4.3	5.0	6.7