

PRUDHOE BAY HARBOR, AK, United States of America

Annual Climatic Design Data (2005–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
70.400N	148.527W	5	101.26	-40.3	13.8	19.4	E

Monthly Winds (2005–2019)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	16	11	12	13	11	11	11	1	4	10	11	12

Prevailing Wind #1

DIR	W	W	W	E	E	E	E	ESE	ESE	ESE	W	W
%OCC	25	18	20	18	22	31	21	20	24	21	20	19
AVG m/s	6.9	8.0	6.5	9.6	9.5	9.3	8.7	7.9	9.9	11.4	6.4	5.9
MED m/s	6.7	7.4	5.9	9.2	8.8	8.9	8.6	7.8	9.3	11.0	5.6	5.4

Prevailing Wind #2

DIR	E	E	E	W	ESE	ESE	ESE	E	E	E	ESE	ESE
%OCC	14	17	18	15	16	18	21	18	18	14	12	15
AVG m/s	11.0	9.9	10.3	6.4	7.8	8.3	7.6	8.8	10.2	11.8	10.4	9.1
MED m/s	10.8	9.3	10.4	6.1	7.2	7.7	7.4	8.4	10.2	11.7	10.7	8.3

Prevailing Wind #3

DIR	ESE	ENE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	W	WSW	E
%OCC	10	12	10	12	10	16	14	11	9	14	12	13
AVG m/s	9.9	7.5	8.6	7.6	7.0	7.1	7.4	7.5	8.5	6.3	5.7	9.9
MED m/s	9.0	7.0	8.2	7.3	6.6	7.0	7.5	6.9	8.2	6.1	5.1	9.8

Prevailing Wind #4

DIR	ENE	ESE	ENE	ENE	W	NE	NE	W	W	WSW	E	WSW
%OCC	8	10	10	12	8	6	4	7	9	11	11	9
AVG m/s	8.0	8.3	7.6	7.9	6.5	5.1	5.0	6.8	6.3	6.2	10.7	5.3
MED m/s	7.2	7.8	7.2	7.9	6.4	4.8	4.9	6.7	6.0	6.0	10.2	4.9