

SOUTH HATTERAS BUOY 41002, United States of America

Annual Climatic Design Data (1994–2018)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
31.887N	74.921W	0	101.33	9.3	28.9	15.4	W

Monthly Winds (1994–2018)

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

Prevailing Wind #1

DIR	W	SSW	SSW	SSW	SW	SW	SW	SW	ENE	ENE	ENE	S
%OCC	9	9	10	13	14	18	26	15	10	12	8	10
AVG m/s	9.6	8.6	8.4	7.3	6.9	6.7	6.8	5.8	6.5	7.0	7.6	8.0
MED m/s	9.6	8.4	8.2	7.5	7.0	6.8	6.8	6.1	6.5	6.8	7.9	8.0

Prevailing Wind #2

DIR	NW	S	S	S	SSW	SSW	SSW	SSW	NE	NE	NNW	SSW
%OCC	9	8	8	11	12	17	20	15	10	11	8	8
AVG m/s	8.9	8.5	8.3	7.5	6.6	6.6	6.5	6.0	7.1	6.9	7.4	8.0
MED m/s	8.8	8.6	8.1	7.7	6.9	6.8	6.5	6.3	7.4	6.9	7.5	8.1

Prevailing Wind #3

DIR	WNW	NW	SW	SW	S	S	WSW	WSW	SSW	NNE	N	WNW
%OCC	9	8	8	10	9	10	13	11	9	9	8	7
AVG m/s	9.0	8.5	8.2	7.4	6.5	6.1	6.4	5.4	5.6	6.7	7.2	8.4
MED m/s	8.9	8.4	8.3	7.6	6.8	6.4	6.5	5.6	5.6	6.7	7.3	8.5

Prevailing Wind #4

DIR	NNW	NNW	NW	WSW	WSW	WSW	S	S	S	N	NE	NW
%OCC	8	8	8	8	7	9	12	10	9	8	7	7
AVG m/s	8.3	8.0	8.7	7.1	6.3	5.9	5.9	5.9	5.7	6.5	7.4	7.8
MED m/s	8.2	7.9	8.5	7.4	6.4	6.2	6.1	5.9	5.7	6.5	7.7	7.8