

SANTA MARIA BUOY 46011, CA, United States of America

Annual Climatic Design Data (2001–2018)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
34.956N	121.019W	0	101.33	8.7	19.0	13.6	NW

Monthly Winds (2001–2018)

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

Prevailing Wind #1

DIR	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW
%OCC	25	27	37	43	50	48	44	42	41	33	25	20
AVG m/s	7.0	7.6	7.8	8.5	8.1	7.7	6.2	6.2	6.4	6.7	6.9	6.6
MED m/s	7.3	7.7	8.1	8.7	8.4	8.1	6.3	6.4	6.5	6.8	7.2	6.8

Prevailing Wind #2

DIR	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW
%OCC	21	22	23	24	23	24	26	31	28	27	25	19
AVG m/s	6.3	6.7	6.6	7.1	6.9	6.6	5.6	5.7	5.6	5.9	6.5	7.1
MED m/s	6.6	7.1	6.7	7.3	7.1	7.0	5.9	6.1	5.8	6.0	6.8	7.2

Prevailing Wind #3

DIR	N	N	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	N	N
%OCC	11	8	7	8	7	9	11	9	9	7	10	10
AVG m/s	5.1	4.8	5.1	5.3	5.0	4.6	3.7	4.1	3.9	4.2	5.0	5.2
MED m/s	5.5	5.2	5.3	5.4	5.1	3.7	3.2	3.5	3.3	3.5	5.3	5.6

Prevailing Wind #4

DIR	NNE	WNW	N	N	N	W	W	N	N	N	NNE	NNE
%OCC	7	7	6	4	3	3	4	6	4	7	5	7
AVG m/s	4.3	5.4	4.5	4.0	3.4	2.4	2.4	3.2	3.5	3.8	4.2	4.6
MED m/s	3.7	5.7	3.8	3.4	2.9	2.2	2.2	2.8	3.0	3.1	3.6	4.0