

CHESAPEAKE BAY BRIDGE TUNNEL, VA, United States of America

Annual Climatic Design Data (2005–2015)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
37.0365N	76.0766W	16	101.13	-4.7	31.2	18.0	NNE

Monthly Winds (2005–2015)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	1	1	1	1	1	1	1	1	1	1	4	1

Prevailing Wind #1

DIR	SSW	N	N	SSW	SSW	SSW	SSW	NE	NNE	NNE	N	SSW
%OCC	11	11	11	11	13	12	16	12	14	10	14	10
AVG m/s	6.7	7.2	8.1	8.0	7.3	7.0	7.4	6.8	8.4	8.2	8.0	6.4
MED m/s	6.8	7.1	7.7	7.9	7.3	6.6	6.9	6.2	8.4	8.0	8.1	6.3

Prevailing Wind #2

DIR	N	NW	NNW	S	S	S	S	SSW	NE	N	NNW	N
%OCC	10	9	9	9	10	10	11	11	11	10	11	10
AVG m/s	7.4	8.8	8.7	7.4	6.1	6.2	5.9	6.2	7.2	8.3	8.4	6.9
MED m/s	7.2	8.7	7.8	7.3	5.9	5.6	5.3	5.7	6.9	8.1	8.6	6.7

Prevailing Wind #3

DIR	S	NNW	S	N	NE	SW	SW	ENE	N	SSW	NNE	NNE
%OCC	9	8	8	8	8	9	10	10	10	10	9	9
AVG m/s	6.1	7.7	7.0	7.8	6.9	6.2	7.0	5.0	7.5	6.2	8.1	6.2
MED m/s	5.6	7.8	6.5	7.1	6.2	5.6	6.5	4.8	7.6	5.9	7.6	5.8

Prevailing Wind #4

DIR	NNW	SSW	NW	SW	ENE	ENE	ENE	S	ENE	S	SSW	S
%OCC	9	8	8	8	8	8	8	8	9	8	8	8
AVG m/s	7.8	7.3	9.4	6.8	5.2	5.4	4.5	5.5	5.2	5.6	6.2	5.9
MED m/s	7.8	7.4	8.3	6.8	4.9	5.2	4.5	5.0	5.0	5.4	6.1	5.4