

DETROIT ST CLAIR SHORES, MI, United States of America

Annual Climatic Design Data (2007–2019)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
42.4711N	82.8766W	180	99.18	-16.6	31.5	10.9	NNE

Monthly Winds (2007–2019)

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

Prevailing Wind #1

DIR	SW	SW	WNW	WNW	NE	NE	WSW	SW	SW	WSW	SW	WSW
%OCC	16	12	8	8	8	8	10	10	8	12	12	13
AVG m/s	4.7	4.4	4.1	4.6	4.6	4.6	3.5	3.2	3.3	4.0	4.3	4.6
MED m/s	4.6	4.2	4.1	4.6	4.6	4.5	3.0	2.7	2.8	3.7	4.2	4.3

Prevailing Wind #2

DIR	WSW	W	NNE	NNE	SE	WSW	SW	WSW	SSW	SW	SSW	SW
%OCC	13	11	8	8	8	8	10	9	8	11	12	13
AVG m/s	4.6	4.7	6.0	5.7	3.6	4.1	3.3	3.3	3.3	4.2	3.8	4.3
MED m/s	4.5	4.3	5.8	5.5	3.2	4.1	2.9	2.9	2.9	4.0	3.8	4.2

Prevailing Wind #3

DIR	W	WSW	W	NE	NNE	SW	W	W	WNW	W	WSW	W
%OCC	10	10	8	7	7	8	9	8	7	10	11	10
AVG m/s	4.6	4.8	4.6	5.2	5.4	3.8	3.6	3.4	3.2	4.2	4.2	4.3
MED m/s	4.5	4.5	4.5	5.1	5.2	3.7	3.1	3.0	2.8	4.2	3.8	4.2

Prevailing Wind #4

DIR	SSW	WNW	NNW	SE	SSW	W	SSW	WNW	WSW	SSW	W	SSW
%OCC	10	10	8	7	7	7	8	7	7	9	10	10
AVG m/s	4.0	3.9	4.6	4.3	3.7	4.3	2.9	3.1	3.3	3.8	4.5	3.6
MED m/s	4.0	3.5	4.4	4.1	3.4	4.1	2.6	2.8	2.8	3.4	4.4	3.5