

YUCATAN BASIN BUOY 42056, Mexico

Annual Climatic Design Data (2005–2018)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
19.820N	84.945W	0	101.33	21.9	30.2	12.7	NNE

Monthly Winds (2005–2018)

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

Prevailing Wind #1

DIR	ENE	E	E	ESE	E	E	E	E	E	E	ENE	ENE
%OCC	19	25	22	26	29	28	34	26	25	18	28	22
AVG m/s	7.6	7.1	6.9	7.0	6.5	6.3	6.0	5.3	5.2	6.2	7.7	7.2
MED m/s	7.7	7.2	7.1	7.1	6.5	6.3	6.0	5.3	5.2	6.1	7.7	7.4

Prevailing Wind #2

DIR	E	ESE	ESE	E	ESE	ESE	ENE	ENE	ESE	ENE	NE	E
%OCC	19	19	19	25	27	24	24	21	22	17	21	21
AVG m/s	7.5	6.7	7.0	7.0	6.6	7.0	5.7	5.2	5.5	6.4	7.8	7.4
MED m/s	7.6	6.8	7.1	6.9	6.7	6.9	5.7	5.3	5.3	6.2	7.8	7.7

Prevailing Wind #3

DIR	NE	ENE	ENE	SE	ENE	ENE	ESE	ESE	ENE	ESE	E	NE
%OCC	17	17	17	19	15	18	21	21	18	14	16	17
AVG m/s	8.2	7.4	7.0	8.0	6.0	5.9	6.3	5.7	5.0	6.3	7.0	7.2
MED m/s	8.3	7.4	7.1	8.3	6.0	6.0	6.2	5.7	5.1	6.3	7.0	7.3

Prevailing Wind #4

DIR	ESE	SE	SE	ENE	SE	SE	NE	SE	SE	NE	NNE	ESE
%OCC	14	10	11	12	14	14	8	11	12	13	14	13
AVG m/s	6.9	6.9	7.4	6.2	7.3	7.7	5.2	6.0	5.9	7.0	8.2	7.2
MED m/s	7.0	7.0	7.5	6.2	7.1	7.8	5.1	5.8	6.0	6.9	8.1	7.3