

LUKE OFFSHORE BUOY 42040, United States of America

Annual Climatic Design Data (2002–2018)

Latitude	Longitude	Elevation m	Standard Station Pressure kPa	Winter Temperature °C	Summer Temperature °C	Extreme Wind Speed m/s	Extreme Wind Direction
29.208N	88.226W	0	101.33	6.6	30.8	14.3	N

Monthly Winds (2002–2018)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
%CALM	0	1	1	1	1	1	2	3	2	1	1	0

Prevailing Wind #1

DIR	NNE	SE	SE	SE	SE	S	WSW	WSW	E	NNE	NNE	SE
%OCC	12	11	13	15	15	10	11	9	15	13	11	12
AVG m/s	7.8	6.5	6.6	6.3	5.5	4.8	5.1	4.6	6.5	6.7	7.8	7.3
MED m/s	7.9	6.5	6.6	6.6	5.7	4.9	5.4	4.9	6.4	6.9	7.7	7.5

Prevailing Wind #2

DIR	N	NNE	ESE	ESE	ESE	SE	W	SW	ENE	NE	N	NNE
%OCC	11	10	10	14	14	10	11	9	14	12	10	11
AVG m/s	8.6	7.5	6.8	6.4	5.6	4.7	5.0	4.7	6.5	6.2	8.1	7.2
MED m/s	8.6	7.7	6.9	6.5	5.8	5.0	5.3	5.0	6.5	6.3	8.3	7.4

Prevailing Wind #3

DIR	NE	N	SSE	SSE	SSE	SSE	SW	W	ESE	E	E	N
%OCC	8	9	10	11	12	10	9	8	11	12	10	9
AVG m/s	6.7	7.8	5.8	6.3	5.4	4.8	4.5	4.5	6.2	6.8	7.0	7.6
MED m/s	6.9	8.1	6.0	6.3	5.6	5.0	3.9	3.8	6.1	6.9	7.1	7.9

Prevailing Wind #4

DIR	ESE	SSE	E	E	E	ESE	SSW	ESE	NE	ENE	NE	NE
%OCC	8	9	8	7	9	9	7	8	10	11	9	8
AVG m/s	7.3	6.7	6.1	6.1	5.2	5.0	4.2	5.1	6.0	6.4	6.9	6.6
MED m/s	7.5	6.5	6.4	6.2	5.4	5.3	3.6	5.2	6.0	6.3	7.0	6.8