

Angola Namibia CRS Mocamedes (BU-MO) - December

Latitude: 15.12 S Longitude: 11.03 E

Weather Days

Wave Height > 5.0 ft Mean: 14.0 days Range: 11.2 - 16.9 days p50:14.5 days p75:12 days p90:9.5 days
Wave Height > 6.5 ft Mean: 3.9 days Range: 1.7 - 6.0 days p50:3 days p75:2 days p90:1.5 days
Wave Height > 8.0 ft Mean: 0.7 days Range: 0.0 - 1.6 days p50:30 days p75:1.5 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 3.1 days Range: 1.5 - 4.6 days p50:3 days p75:2.5 days p90:1 days
Wind Speed > 20.0 knots Mean: 0.1 days Range: 0.0 - 0.4 days p50:0.5 days p75:0.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window

Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 2.2 times per month A 2 day or longer window will statistically occur 1.2 times per month A 3 day or longer window will statistically occur 0.5 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 3.5 times per month A 2 day or longer window will statistically occur 2.7 times per month A 3 day or longer window will statistically occur 2.1 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 2.2 times per month A 2 day or longer window will statistically occur 2.1 times per month A 3 day or longer window will statistically occur 2.0 times per month

Waves

Mean Height: 4 - 6 ft
The wave heights will occasionally reach 8 - 10 ft, but rarely higher.
Mean Period: 10 - 12 sec
The wave periods will occasionally reach 18 - 20 sec, but rarely longer.
Principle Direction, from: SSW
WindSea/Swell: 2% / 98%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 15 - 20 kts, but rarely greater.
Principle Direction, from: S

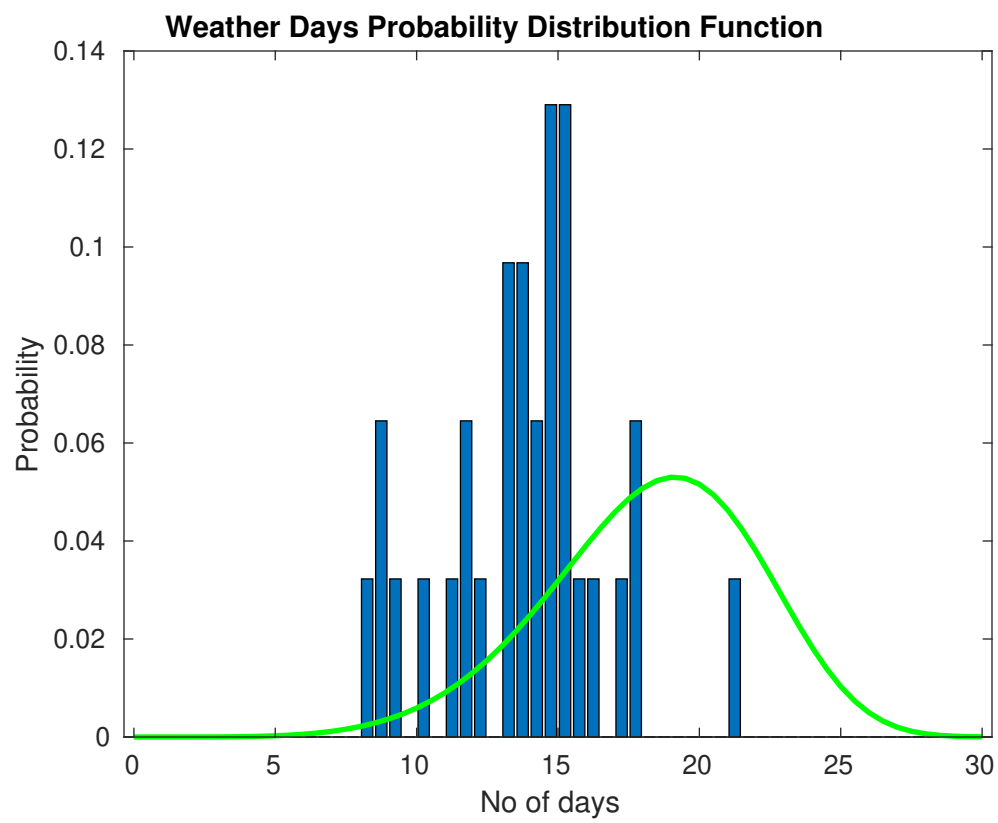
Currents

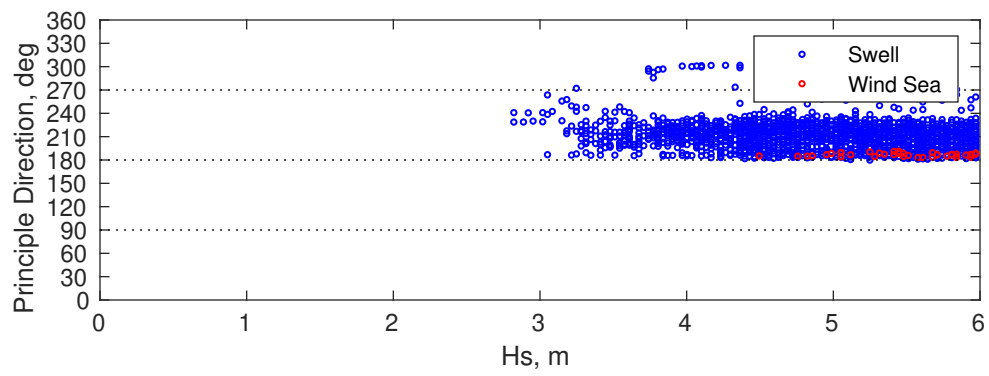
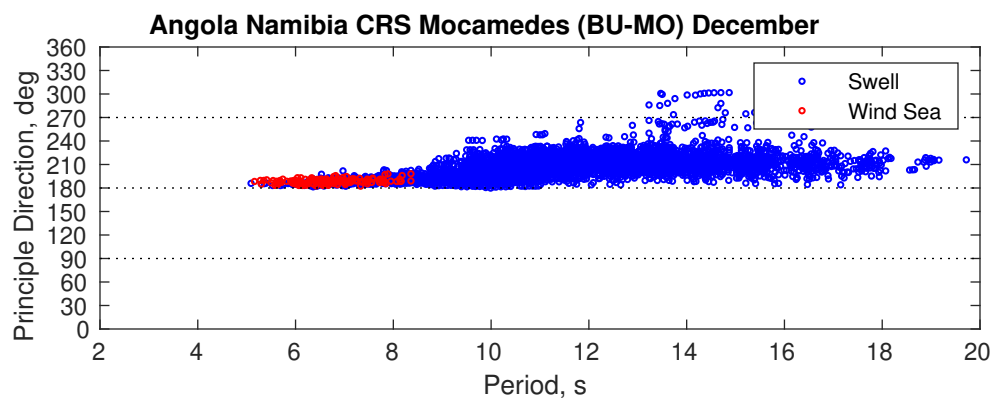
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 0.75-1.00 kts, but rarely greater.
Principle Direction, to: WSW

Weather Days
Current Speed > 0.5 knots Mean: 7.4 days Range: 2.3 - 12.5 days p50:8 days p75:4 days p90:2 days
Current Speed > 1.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days
Current Speed > 1.5 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

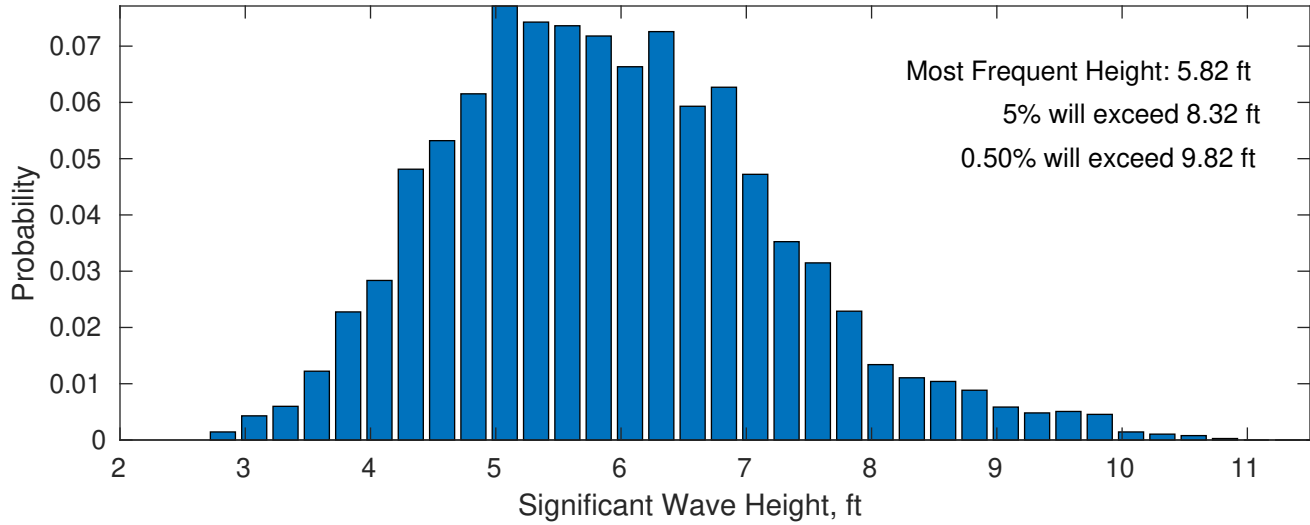
Severe Storms

Severe storms with gale force winds and extreme waves are not expected during this month.

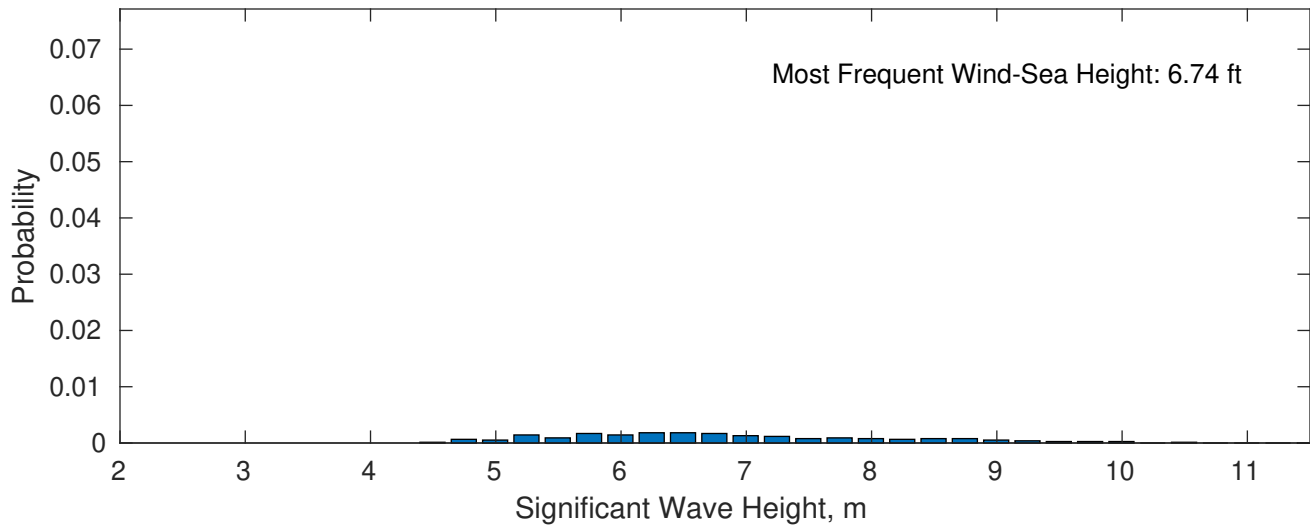




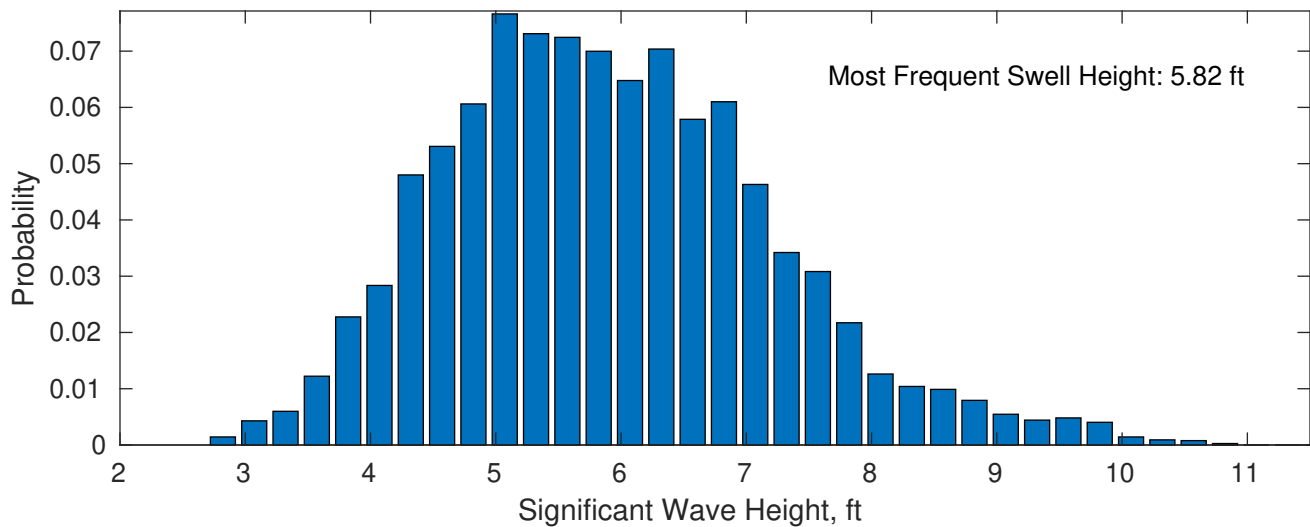
December Wave Height PDF: 1979 - 2015



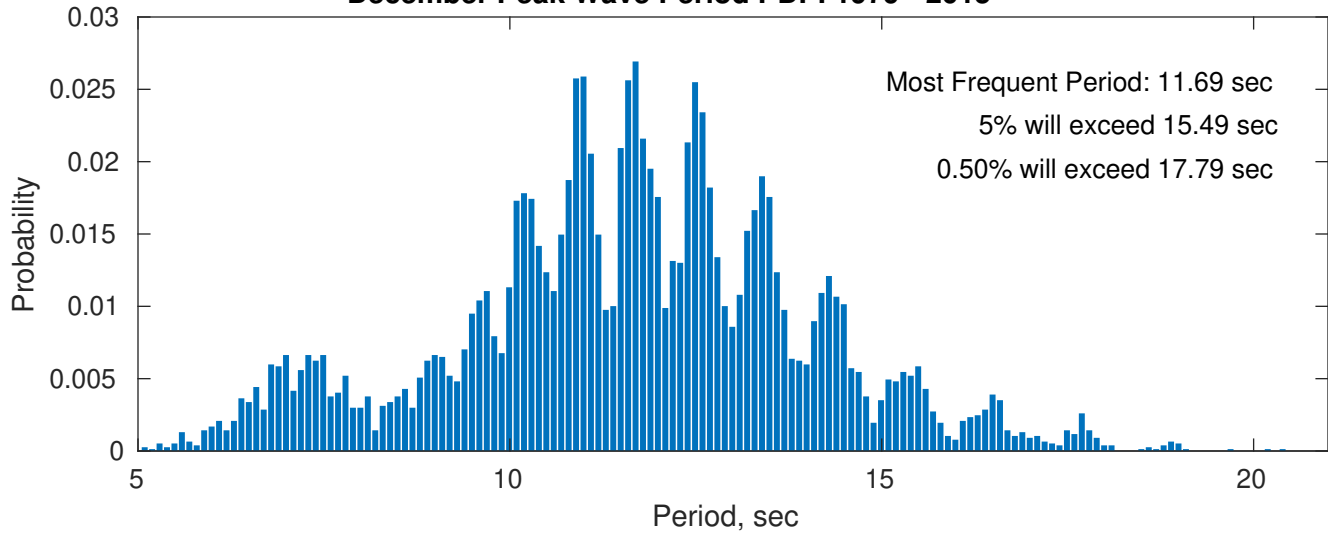
Wind-Sea: 2.11%



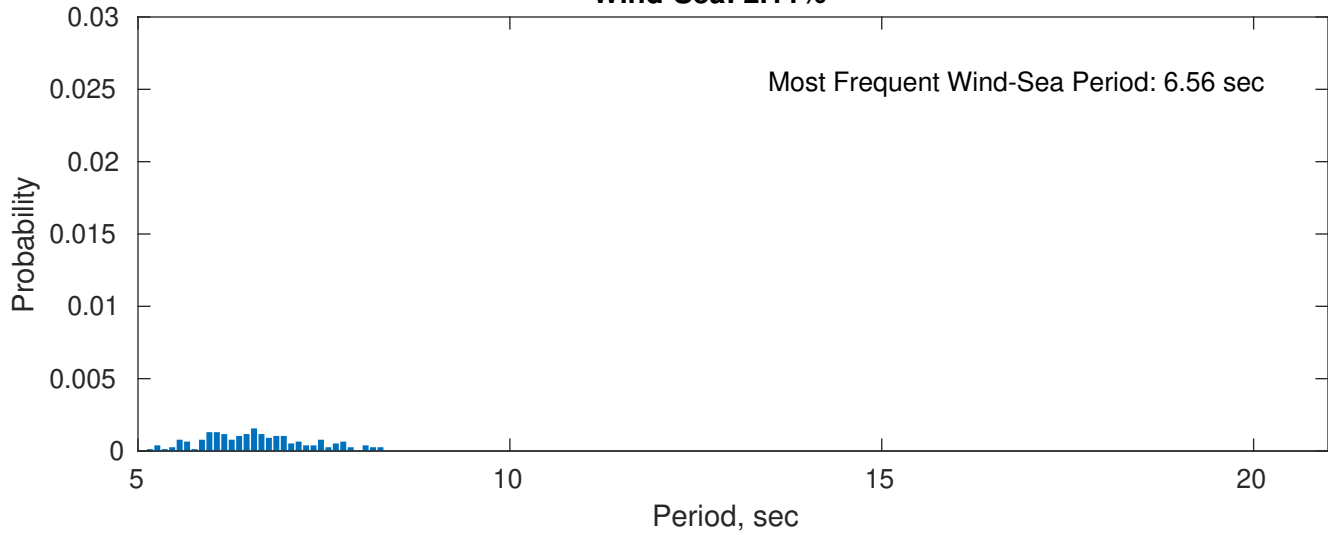
Swell: 97.89%



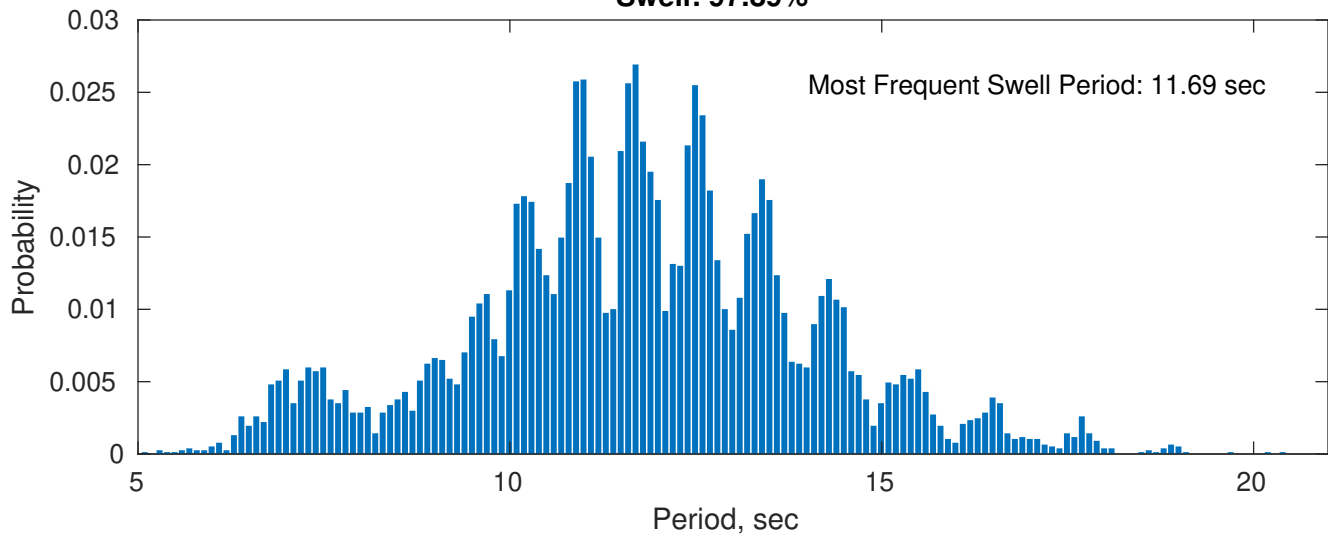
December Peak Wave Period PDF: 1979 - 2015



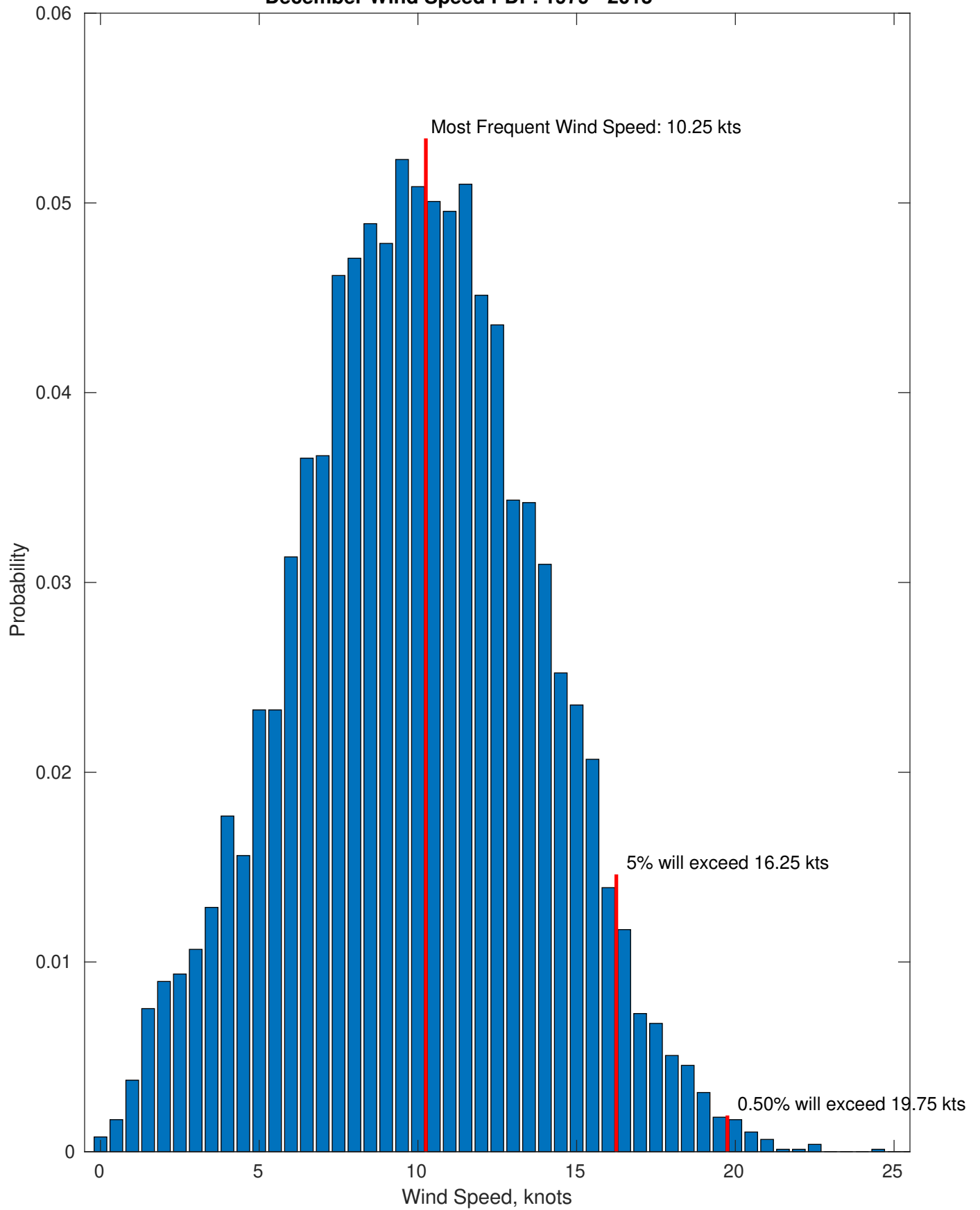
Wind-Sea: 2.11%



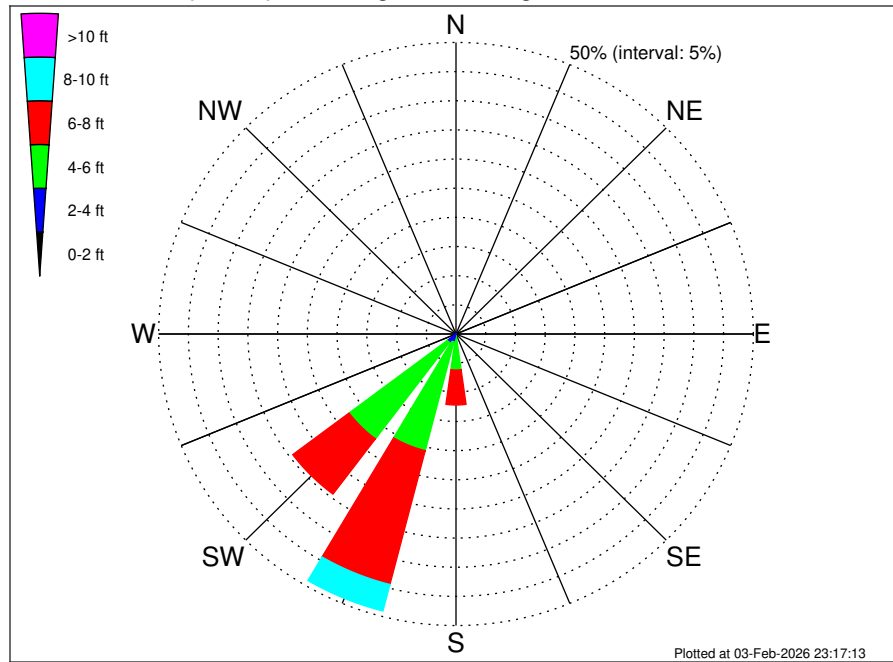
Swell: 97.89%



December Wind Speed PDF: 1979 - 2015



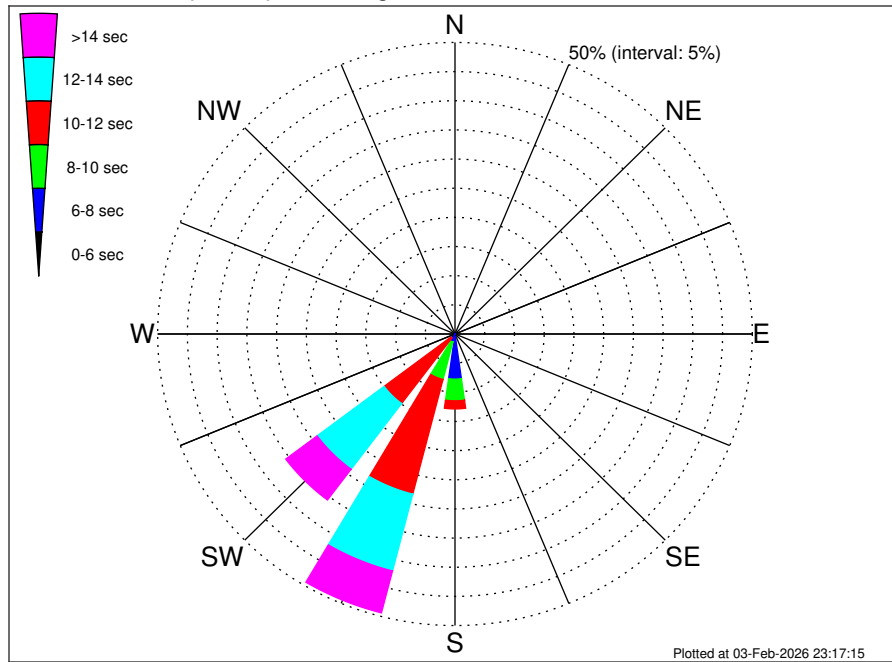
Angola Namibia CRS Mocamedes (BU-MO) Climatological WaveHeight Rose for December: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 - 2 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 - 4 ft	.	.	.	.	.	.	.	.	0.22	1.40	1.82	0.25	0.03	0.10	.	.	3.82
4 - 6 ft	.	.	.	.	.	.	.	.	5.96	19.26	20.69	0.43	0.30	0.18	.	.	46.83
6 - 8 ft	.	.	.	.	.	.	.	.	6.00	23.71	11.86	0.17	0.16	0.03	.	.	41.92
8 - 10 ft	.	.	.	.	.	.	.	.	1.03	4.68	1.24	0.01	.	.	.	.	6.96
10 - 12 ft	.	.	.	.	.	.	.	.	0.10	0.34	0.03	.	.	.	.	.	0.47
12 - 14 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	.	.	.	.	.	.	.	.	13.31	49.40	35.64	0.86	0.48	0.31	.	.	100.00

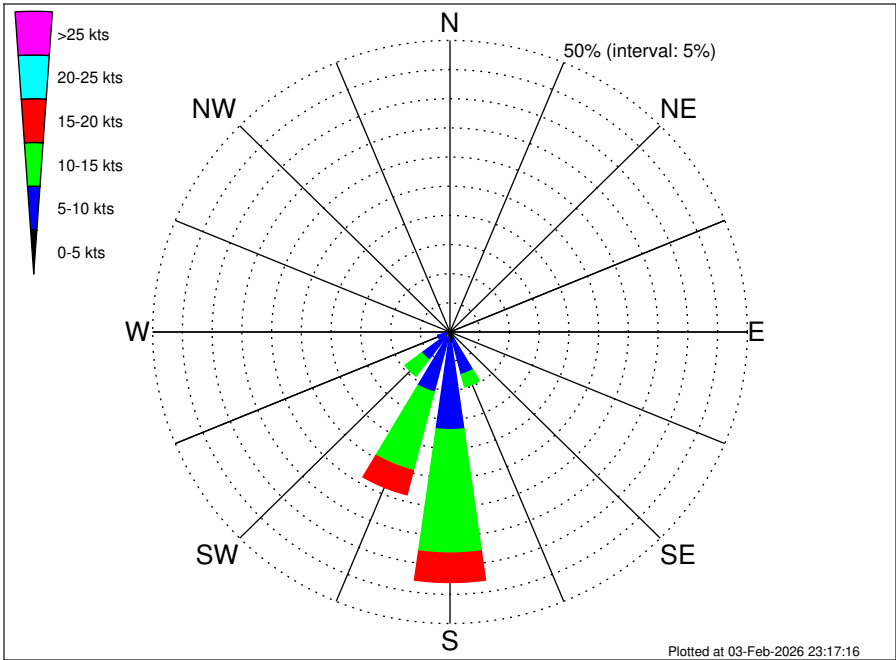
Angola Namibia CRS Mocamedes (BU-MO) Climatological WavePeriod Rose for December: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1 - 2 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4 - 6 sec	•	•	•	•	•	•	•	•	0.57	0.01	•	•	•	•	•	•	0.59
6 - 8 sec	•	•	•	•	•	•	•	•	7.17	1.38	•	•	•	•	•	•	8.55
8 - 10 sec	•	•	•	•	•	•	•	•	3.72	6.66	0.87	0.05	•	•	•	•	11.30
10 - 12 sec	•	•	•	•	•	•	•	•	1.39	20.32	14.06	0.23	0.01	•	•	•	36.02
12 - 14 sec	•	•	•	•	•	•	•	•	0.21	13.61	14.11	0.29	0.16	0.08	•	•	28.45
14 - 16 sec	•	•	•	•	•	•	•	•	0.18	5.62	5.10	0.21	0.26	0.13	•	•	11.50
18 - 20 sec	•	•	•	•	•	•	•	•	0.07	1.68	1.29	0.08	0.05	0.10	•	•	3.26
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.13	0.21	•	•	•	•	•	0.34
Total	•	•	•	•	•	•	•	•	13.31	49.40	35.64	0.86	0.48	0.31	•	•	100.00

Angola Namibia CRS Mocamedes (BU-MO) Climatological Wind Rose for December: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	0.01	0.01	0.01	0.01	0.03	0.03	•	0.01	0.01	0.03	0.04	0.01	0.01	0.01	0.01	0.25
0 - 5 kts	0.14	0.14	0.10	0.16	0.27	0.43	0.85	1.30	1.74	1.01	1.05	0.60	0.29	0.18	0.20	0.18	8.65
5 - 10 kts	0.09	0.09	0.07	0.01	0.05	0.26	0.81	6.20	15.00	9.59	4.84	1.52	0.46	0.16	0.12	0.09	39.35
10 - 15 kts	0.03	•	•	•	•	0.01	0.05	2.24	21.16	13.93	3.56	0.43	0.04	0.01	•	0.03	41.49
15 - 20 kts	•	•	•	•	•	•	•	0.07	5.05	4.31	0.42	0.01	•	•	•	•	9.85
20 - 25 kts	•	•	•	•	•	•	•	•	0.17	0.25	•	•	•	•	•	•	0.42
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.26	0.25	0.18	0.18	0.34	0.73	1.73	9.81	43.13	29.10	9.90	2.60	0.79	0.36	0.33	0.31	100.00