

Angola Namibia CRS Oranjemund (BU-OR) - March

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 24.3 days Range: 22.2 - 26.4 days p50:24.5 days p75:22.5 days p90:21.5 days
Wave Height > 6.5 ft Mean: 17.8 days Range: 14.7 - 20.8 days p50:17.5 days p75:15.5 days p90:14 days
Wave Height > 8.0 ft Mean: 10.6 days Range: 7.7 - 13.4 days p50:10.5 days p75:8 days p90:7.5 days

Wind Speed > 15.0 knots Mean: 18.5 days Range: 15.8 - 21.1 days p50:19 days p75:17 days p90:15.5 days
Wind Speed > 20.0 knots Mean: 9.9 days Range: 7.5 - 12.2 days p50:10 days p75:9 days p90:8.5 days
Wind Speed > 25.0 knots Mean: 2.6 days Range: 1.3 - 3.8 days p50:2.5 days p75:2 days p90:1.5 days

Working Window

Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 0.7 times per month A 2 day or longer window will statistically occur 0.2 times per month A 3 day or longer window will statistically occur 0.1 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 2.2 times per month A 2 day or longer window will statistically occur 1.1 times per month A 3 day or longer window will statistically occur 0.5 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 3.6 times per month A 2 day or longer window will statistically occur 2.5 times per month A 3 day or longer window will statistically occur 1.5 times per month

Waves

Mean Height: 8 - 10 ft
The wave heights will occasionally reach 14 - 16 ft, but rarely higher.
Mean Period: 10 - 12 sec
The wave periods will occasionally reach 18 - 20 sec, but rarely longer.
Principle Direction, from: SW
WindSea/Swell: 6% / 94%

Winds

Mean Speed: 15 - 20 kts
The winds will occasionally reach 30 - 35 kts, but rarely greater.
Principle Direction, from: SSE

Currents

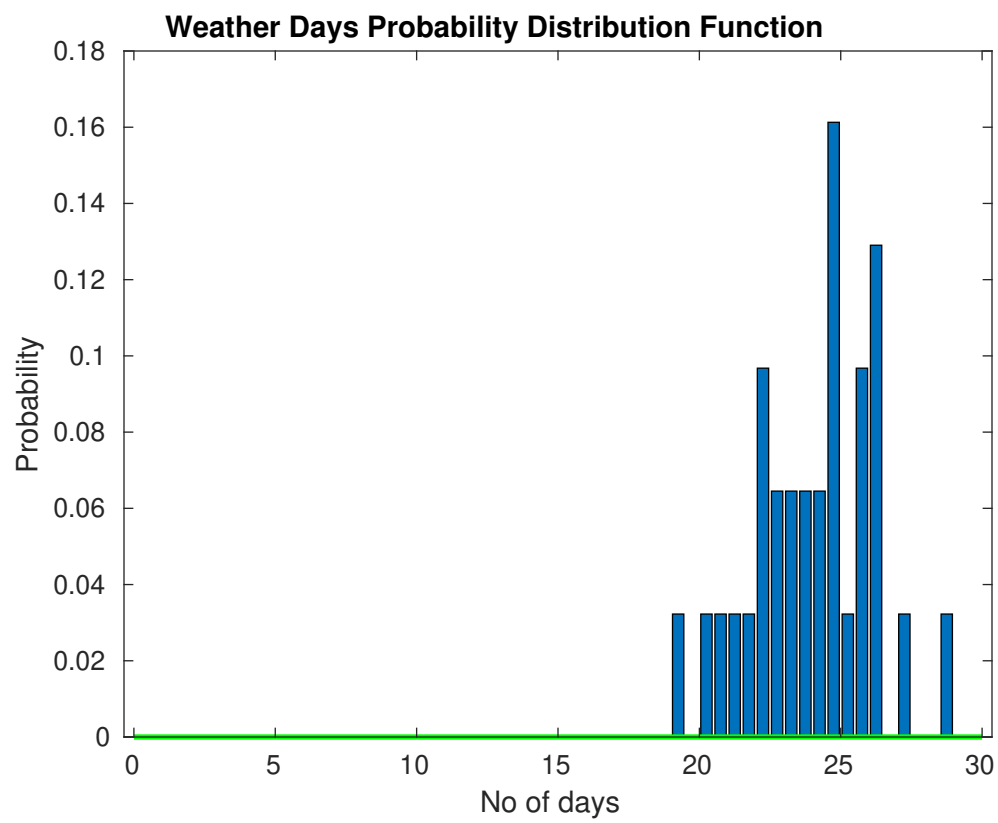
Mean Speed: 0.50-0.75 kts
The currents will occasionally reach 1.25-1.50 kts, but rarely greater.
Principle Direction, to: W

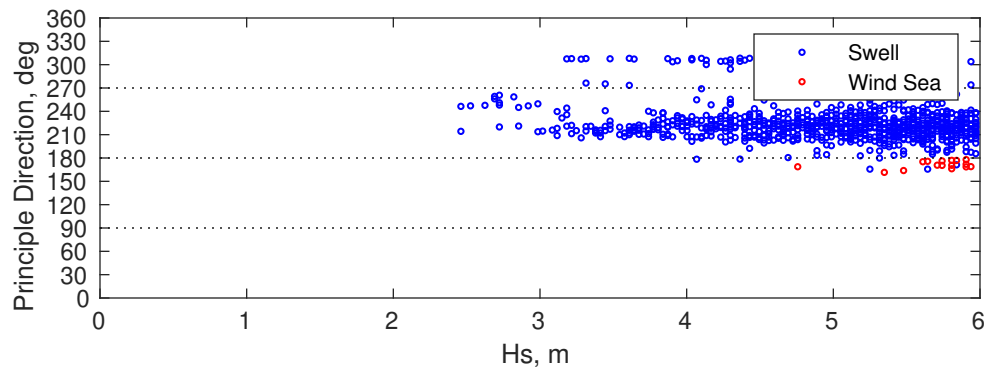
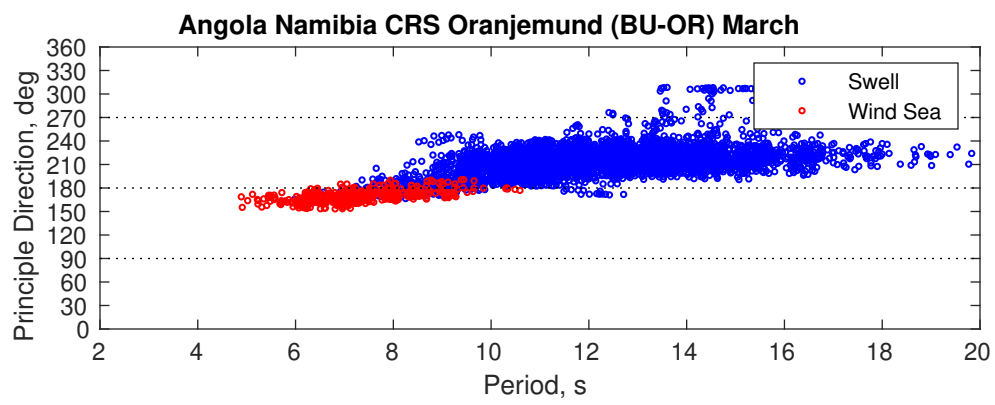
Weather Days

Current Speed > 0.5 knots Mean: 18.9 days Range: 13.5 - 24.3 days p50:20 days p75:16 days p90:12 days
Current Speed > 1.0 knots Mean: 2.3 days Range: 0.2 - 4.4 days p50:3 days p75:2 days p90:1 days
Current Speed > 1.5 knots Mean: 0.1 days Range: 0.0 - 0.4 days p50:1 days p75:1 days p90:1 days

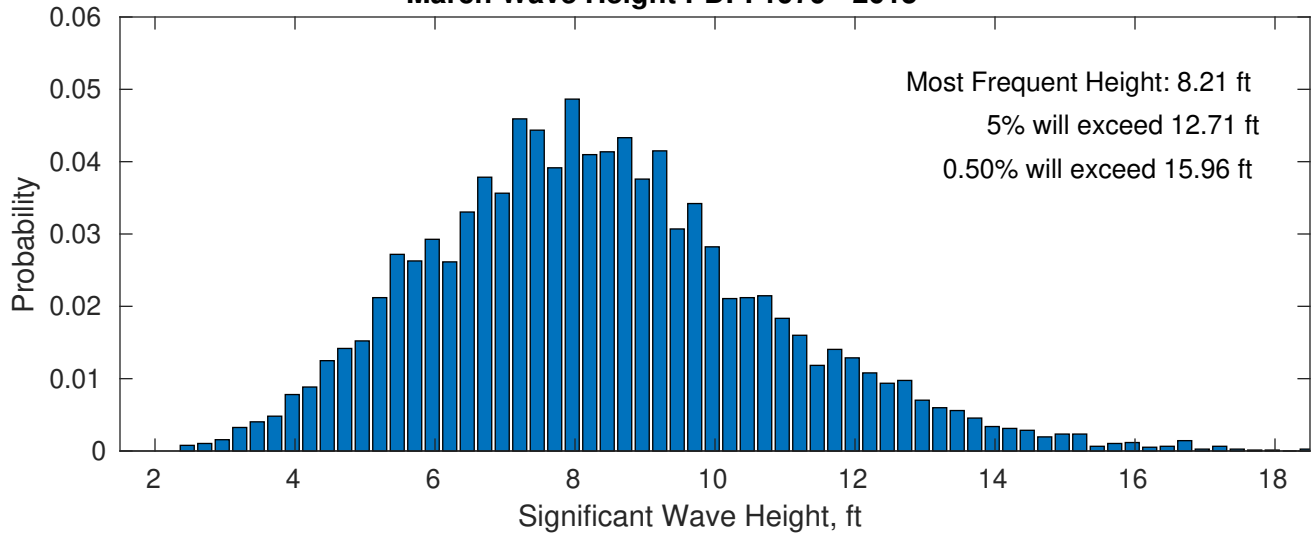
Severe Storms

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

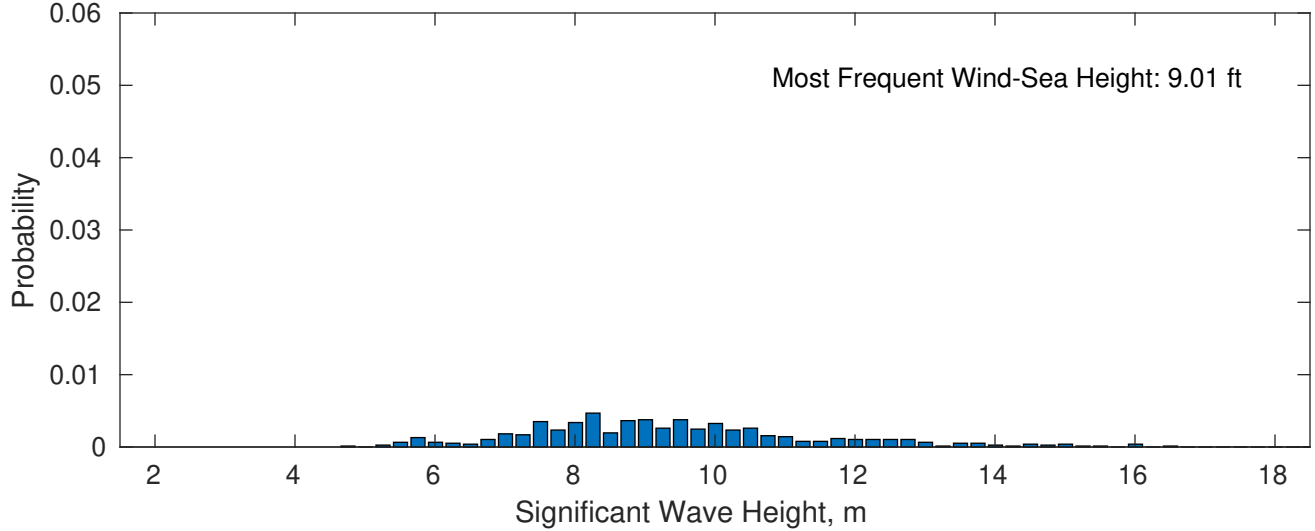




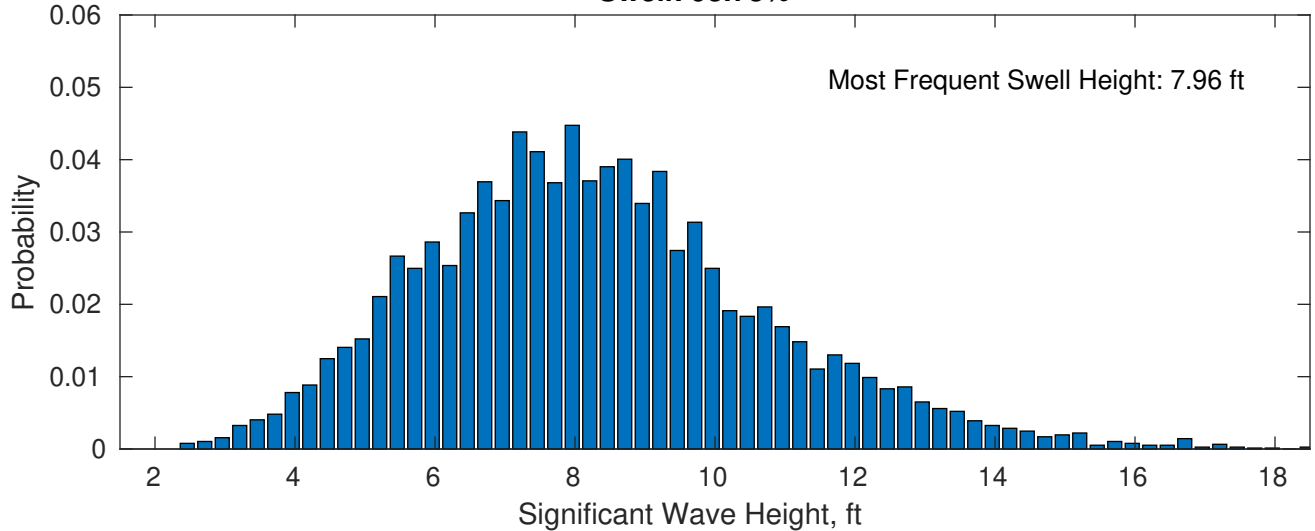
March Wave Height PDF: 1979 - 2015



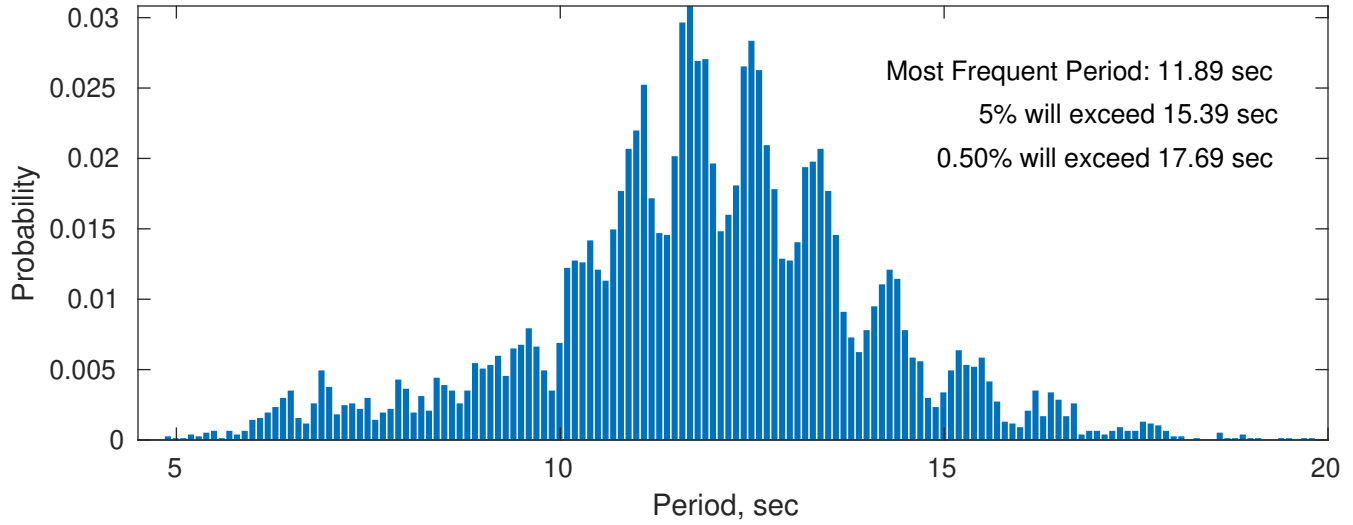
Wind-Sea: 6.27%



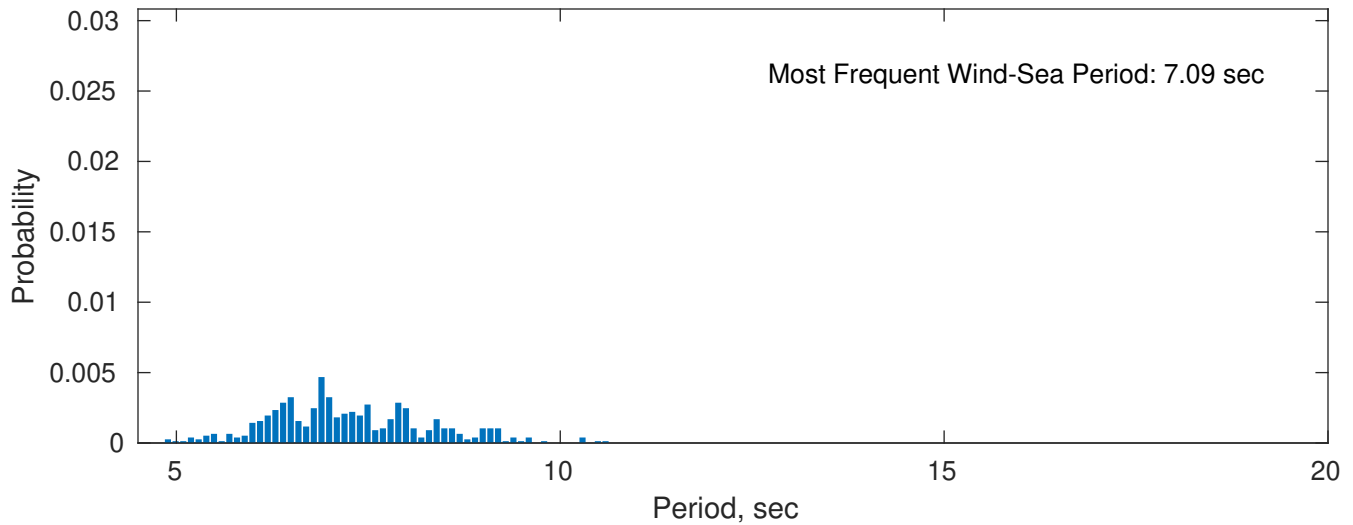
Swell: 93.73%



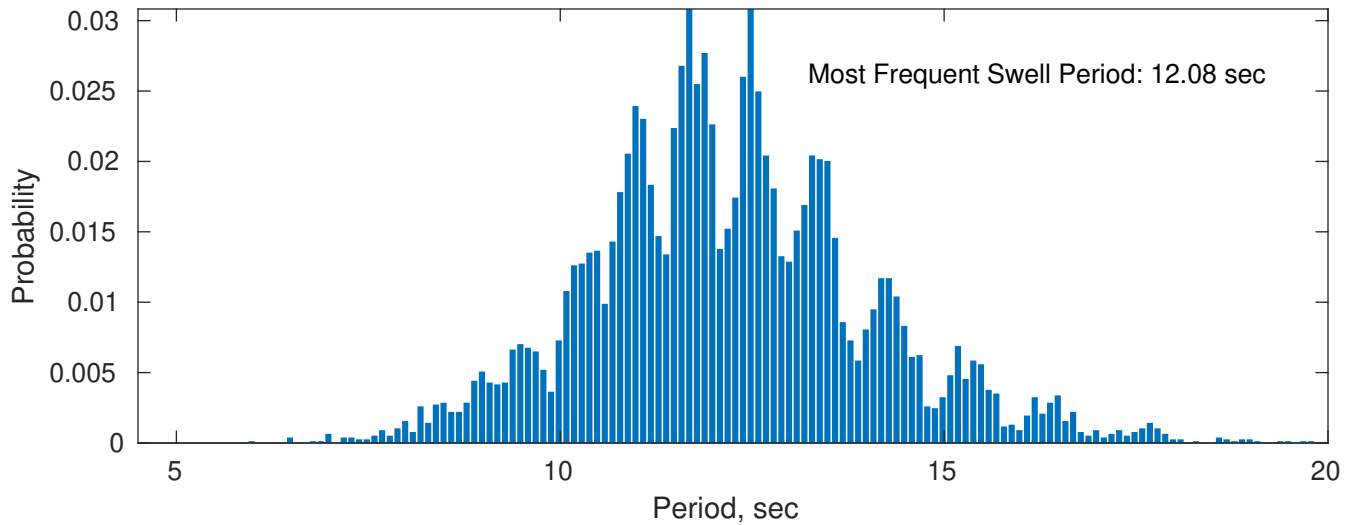
March Peak Wave Period PDF: 1979 - 2015



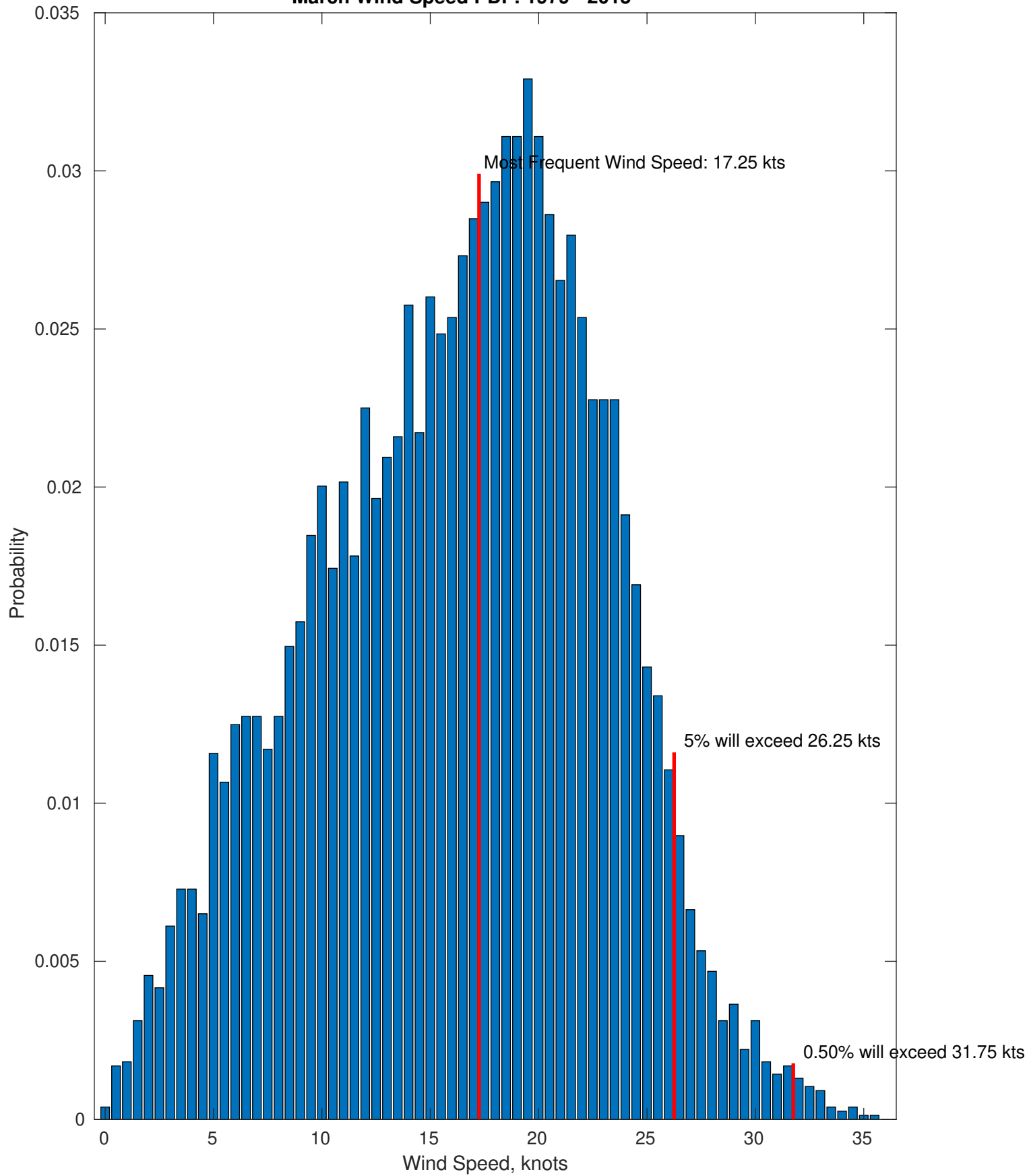
Wind-Sea: 6.27%



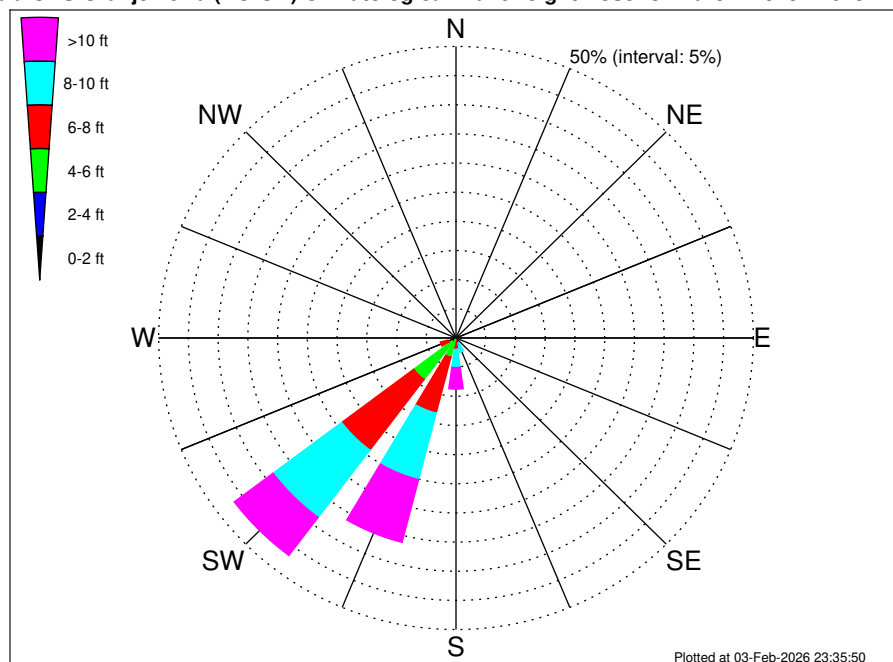
Swell: 93.73%



March Wind Speed PDF: 1979 - 2015



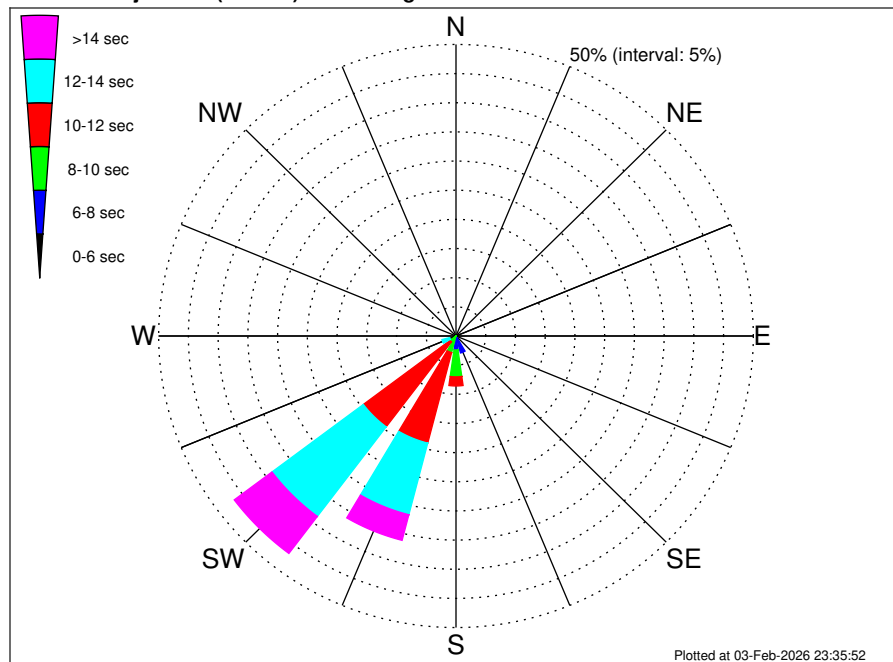
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for March: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	0.29	0.91	0.22	0.07	0.01	0.13	•	1.63
4 - 6 ft	•	•	•	•	•	•	•	0.09	0.47	3.12	7.99	1.17	0.21	0.14	0.38	•	13.57
6 - 8 ft	•	•	•	•	•	•	•	0.86	1.48	9.90	15.17	1.34	0.22	0.10	0.17	•	29.24
8 - 10 ft	•	•	•	•	•	•	•	1.57	3.12	11.77	14.46	0.43	0.03	0.01	0.34	•	31.74
10 - 12 ft	•	•	•	•	•	•	•	0.56	2.35	6.43	5.55	0.13	•	•	•	•	15.02
12 - 14 ft	•	•	•	•	•	•	•	0.13	0.98	3.39	1.99	•	•	•	•	•	6.49
14 - 16 ft	•	•	•	•	•	•	•	•	0.27	0.99	0.48	0.03	•	•	•	•	1.77
16 - 18 ft	•	•	•	•	•	•	•	•	0.09	0.23	0.14	•	•	•	•	•	0.47
> 18 ft	•	•	•	•	•	•	•	•	•	0.08	•	•	•	•	•	•	0.08
Total	•	•	•	•	•	•	•	3.21	8.77	36.20	46.70	3.32	0.52	0.27	1.01	•	100.00

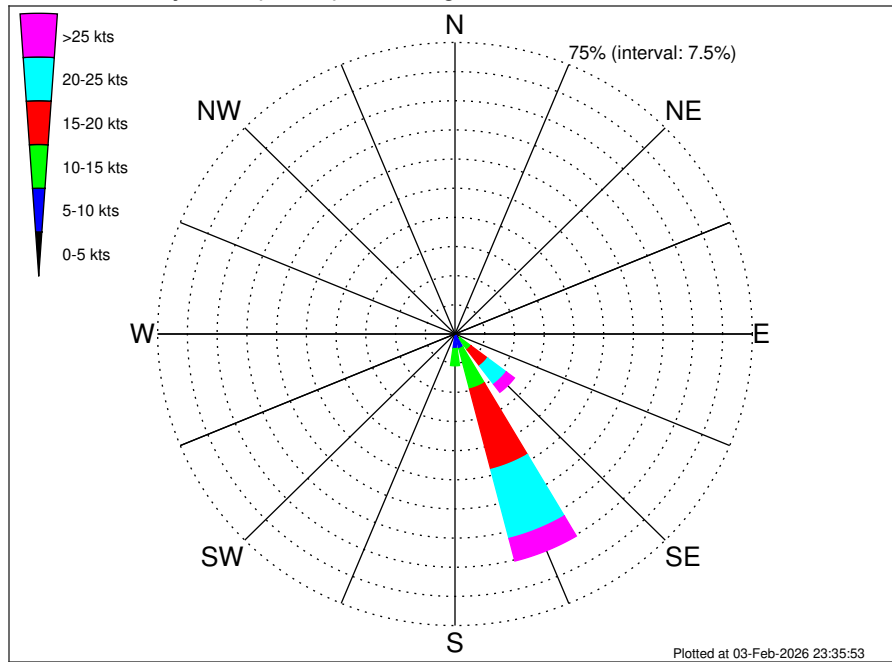
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for March: 1979 - 2015



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	•	•	•	•	•	•	•	0.38	0.07	•	•	•	•	•	•	•	0.44
6 - 8 sec	•	•	•	•	•	•	•	2.63	2.33	0.05	•	•	•	•	•	•	5.01
8 - 10 sec	•	•	•	•	•	•	•	0.21	4.62	2.89	1.27	0.20	•	•	•	•	9.18
10 - 12 sec	•	•	•	•	•	•	•	•	1.56	16.04	18.24	0.94	0.03	•	•	•	36.80
12 - 14 sec	•	•	•	•	•	•	•	•	0.18	12.68	19.24	1.31	0.34	0.03	0.04	•	33.82
14 - 16 sec	•	•	•	•	•	•	•	•	0.01	3.95	6.20	0.72	0.16	0.16	0.46	•	11.65
18 - 20 sec	•	•	•	•	•	•	•	•	•	0.51	1.52	0.16	•	0.09	0.52	•	2.80
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.08	0.22	•	•	•	•	•	0.30
Total	•	•	•	•	•	•	•	3.21	8.77	36.20	46.70	3.32	0.52	0.27	1.01	•	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for March: 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	•	•	•	0.03	0.01	•	0.05	0.01	0.01	0.01	0.01	0.01	•	0.04	0.21
0 - 5 kts	0.09	•	0.09	0.04	0.12	0.18	0.30	0.47	0.60	0.49	0.38	0.40	0.31	0.25	0.20	0.17	4.08
5 - 10 kts	0.07	•	0.01	0.03	0.04	0.30	1.18	3.42	3.11	1.64	0.78	0.44	0.68	0.60	0.86	0.23	13.38
10 - 15 kts	0.08	•	•	•	0.01	0.20	3.54	10.74	4.42	0.57	0.14	0.05	0.05	0.21	0.47	0.27	20.76
15 - 20 kts	•	•	•	•	0.01	0.08	5.24	21.37	1.69	0.04	•	•	•	•	0.05	0.09	28.58
20 - 25 kts	•	•	•	•	•	0.03	5.92	18.33	0.09	•	•	•	•	•	0.03	•	24.39
25 - 30 kts	•	•	•	•	•	0.01	2.07	5.25	•	•	•	•	•	•	•	•	7.34
30 - 35 kts	•	•	•	•	•	•	0.51	0.73	•	•	•	•	•	•	•	•	1.24
35 - 40 kts	•	•	•	•	•	•	0.01	0.01	•	•	•	•	•	•	•	•	0.03
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.23	0.01	0.10	0.07	0.18	0.82	18.78	60.33	9.96	2.76	1.31	0.91	1.05	1.07	1.60	0.81	100.00