

Angola Namibia CRS Oranjemund (BU-OR) - November

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 25.6 days Range: 23.4 - 27.8 days p50:26.5 days p75:25 days p90:22 days

Wave Height > 6.5 ft Mean: 19.6 days Range: 16.5 - 22.7 days p50:20 days p75:18.5 days p90:16.5 days

Wave Height > 8.0 ft Mean: 12.4 days Range: 9.7 - 15.1 days p50:12.5 days p75:11.5 days p90:9 days

Wind Speed > 15.0 knots Mean: 19.2 days Range: 16.2 - 22.3 days p50:20 days p75:18 days p90:14.5 days

Wind Speed > 20.0 knots Mean: 11.3 days Range: 8.8 - 13.8 days p50:12 days p75:9.5 days p90:9 days

Wind Speed > 25.0 knots Mean: 3.8 days Range: 2.0 - 5.7 days p50:4 days p75:2.5 days p90:2 days

Working Window

Wave Height < 5.0 ft
A 1 day or longer window will statistically occur 0.6 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 1.9 times per month
A 2 day or longer window will statistically occur 0.9 times per month
A 3 day or longer window will statistically occur 0.4 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 2.1 times per month
A 3 day or longer window will statistically occur 1.3 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: 12% / 88%

Winds

Mean Speed: 15 - 20 kts

The winds will occasionally reach 30 - 35 kts, but rarely greater.

Principle Direction, from: SSE

Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 1.25-1.50 kts, but rarely greater.

Principle Direction, to: NW

Weather Days

Current Speed > 0.5 knots Mean: 13.8 days Range: 9.3 - 18.4 days p50:14 days p75:12 days p90:10 days

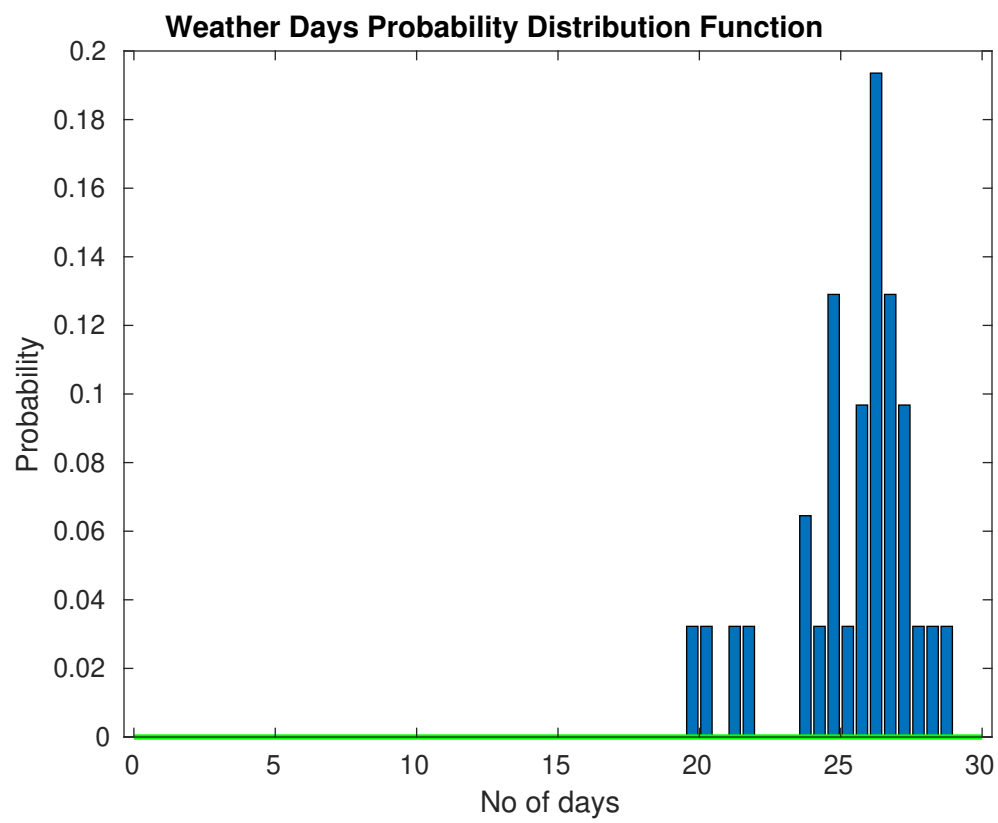
Current Speed > 1.0 knots Mean: 0.8 days Range: 0.0 - 1.8 days p50:2 days p75:1 days p90:1 days

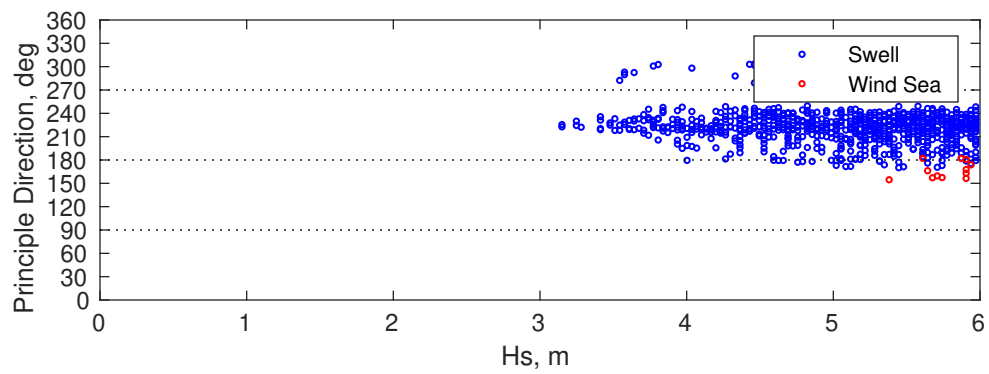
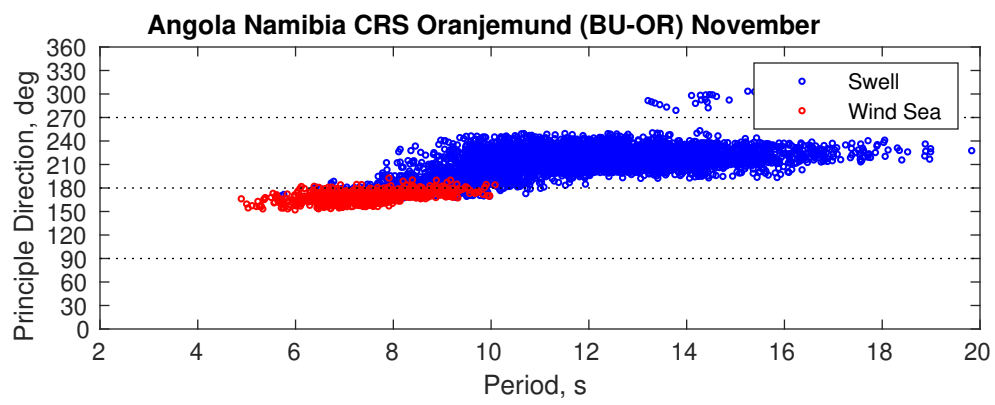
Current Speed > 1.5 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

Severe Storms

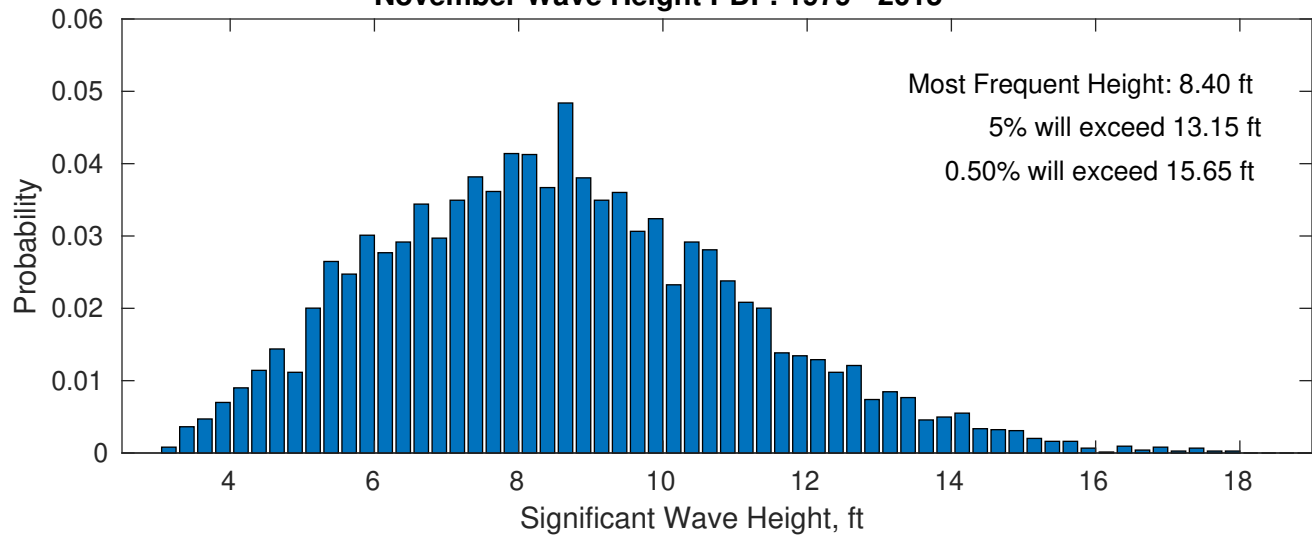
There is a 6 % chance of a storm occurring in the month with winds peaking above 34 kts.

There is little chance of a storm occurring in the month with waves peaking at 4m (13 ft) or greater.

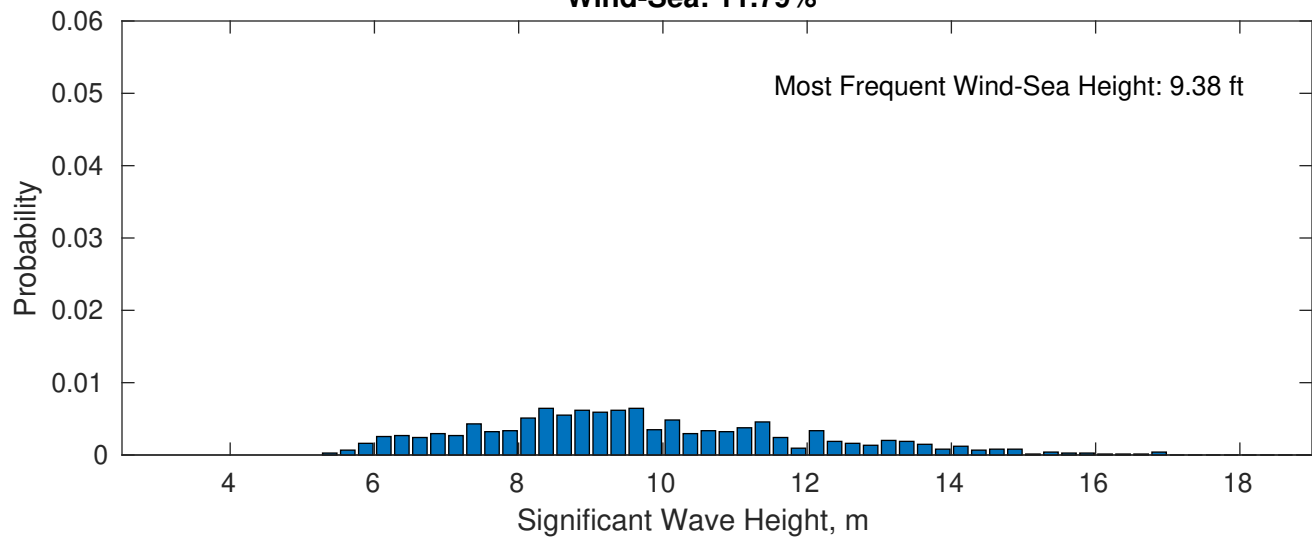




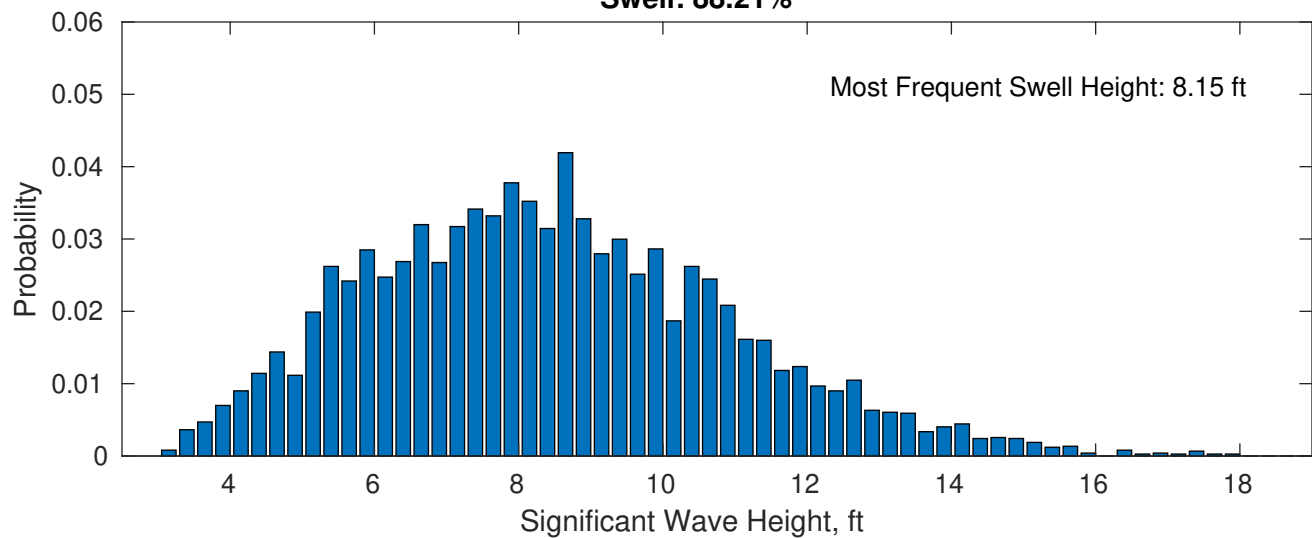
November Wave Height PDF: 1979 - 2015



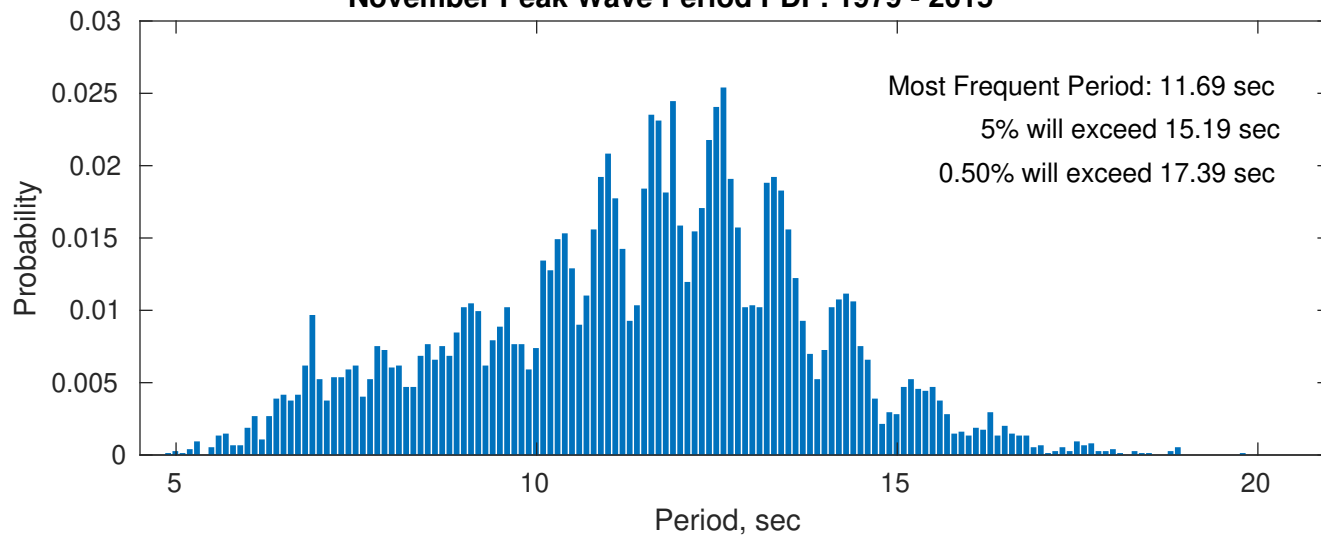
Wind-Sea: 11.79%



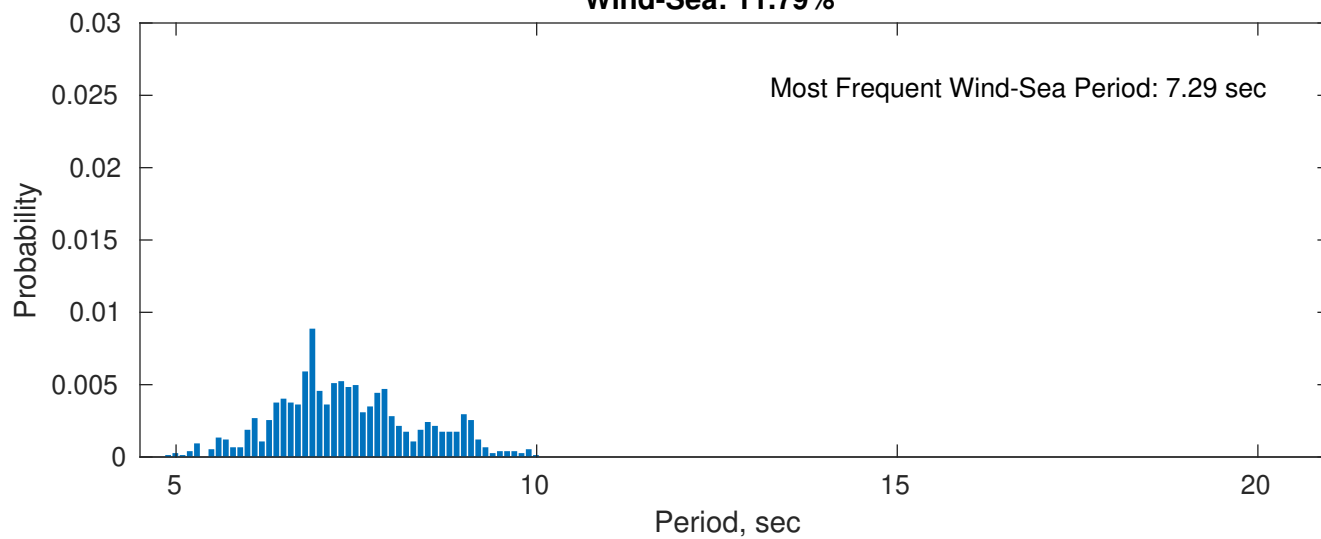
Swell: 88.21%



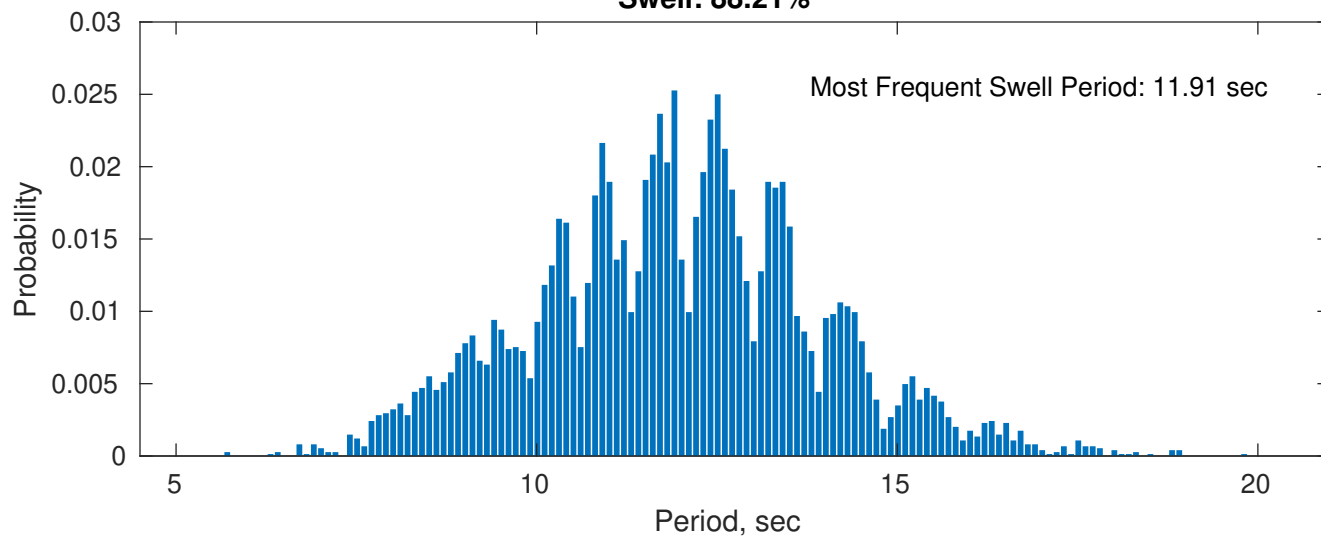
November Peak Wave Period PDF: 1979 - 2015



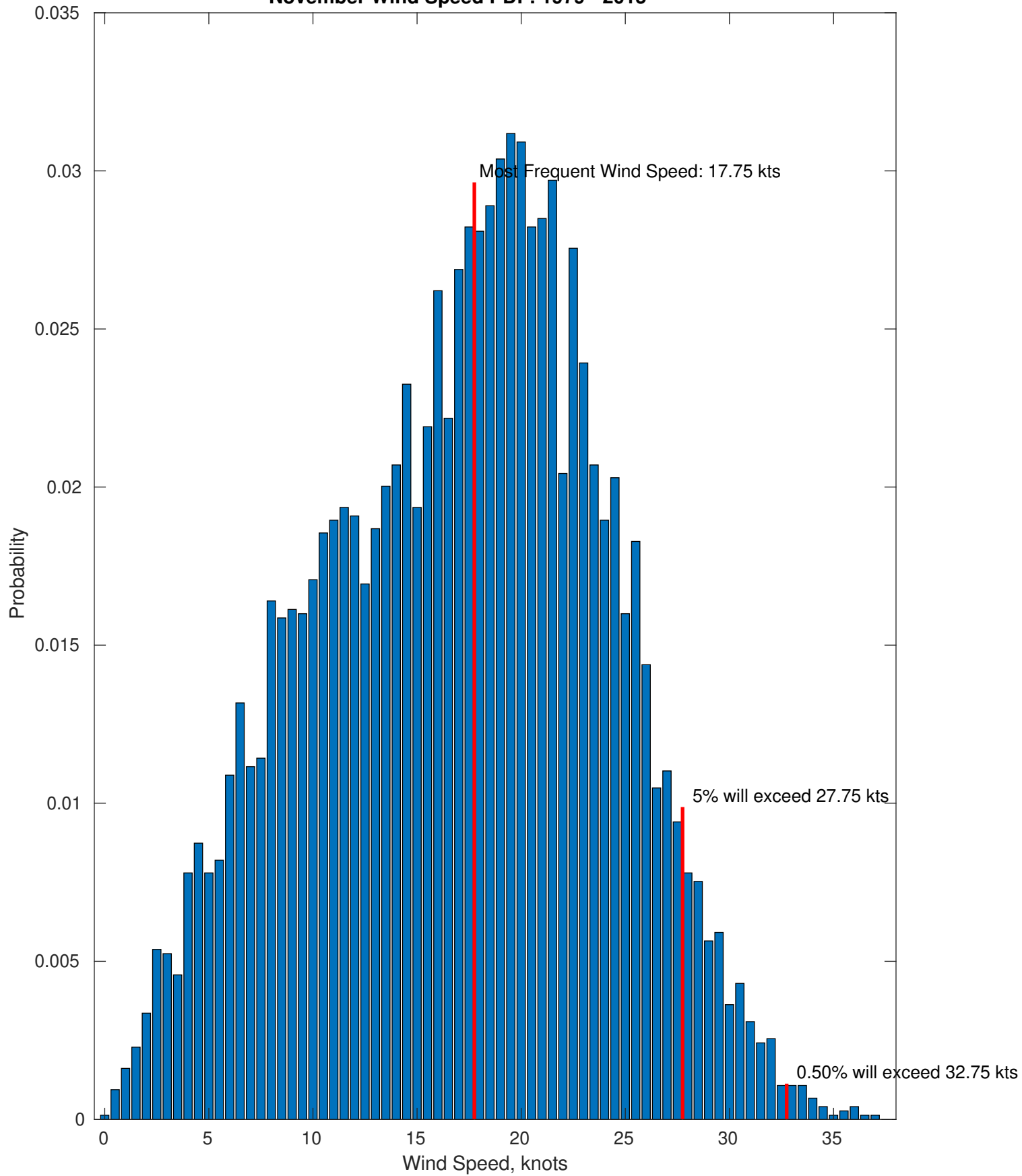
Wind-Sea: 11.79%



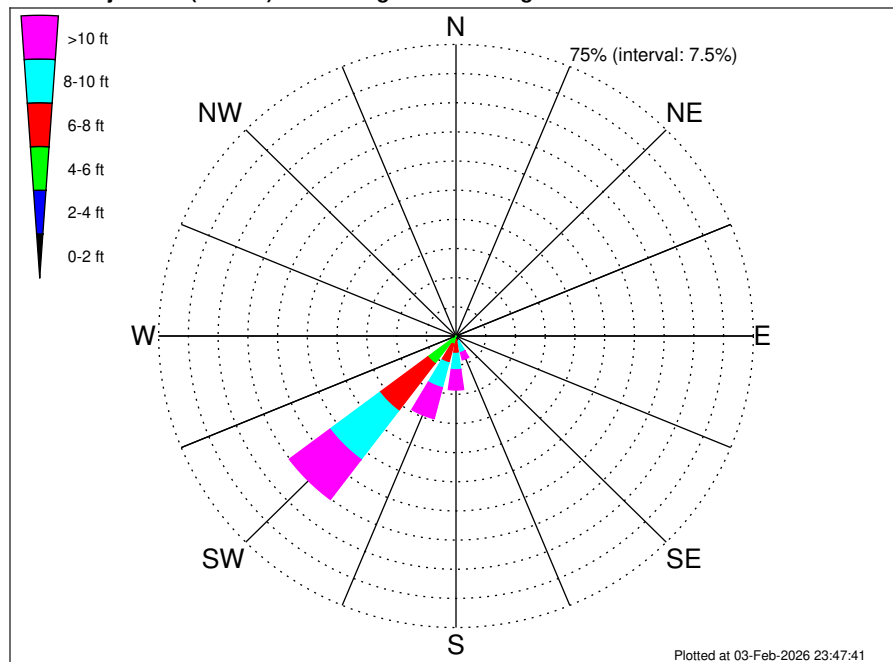
Swell: 88.21%



November Wind Speed PDF: 1979 - 2015



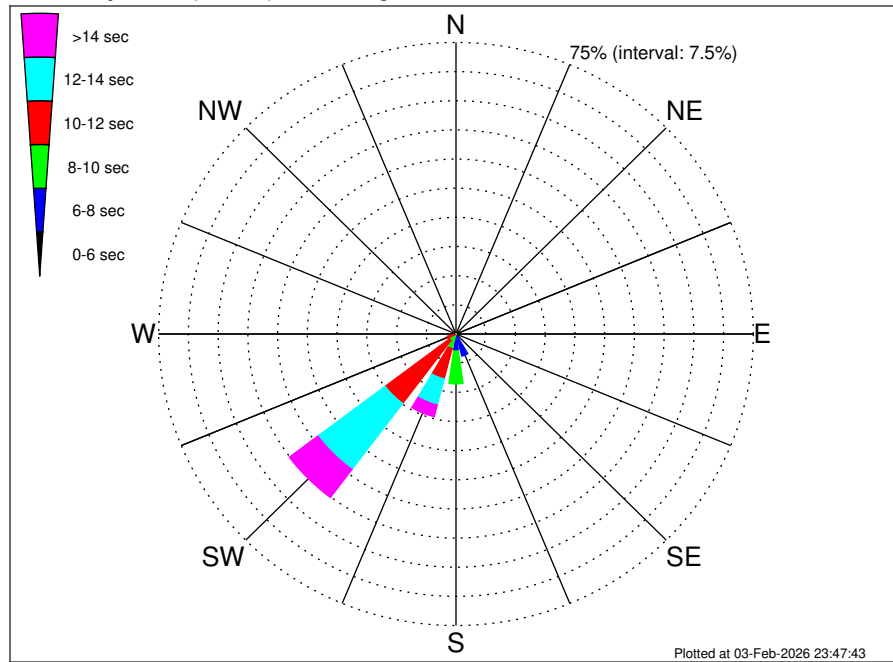
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for November: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	0.08	0.98	0.09	•	0.08	•	•	1.24
4 - 6 ft	•	•	•	•	•	•	•	0.11	1.02	2.11	7.89	1.85	0.01	0.32	•	•	13.32
6 - 8 ft	•	•	•	•	•	•	•	1.30	3.48	4.93	15.23	1.52	•	•	•	•	26.47
8 - 10 ft	•	•	•	•	•	•	•	3.01	4.19	6.61	15.71	1.03	•	•	•	•	30.56
10 - 12 ft	•	•	•	•	•	•	•	1.44	3.21	4.53	8.88	0.17	•	•	•	•	18.24
12 - 14 ft	•	•	•	•	•	•	•	0.36	1.45	2.57	2.97	0.04	•	•	•	•	7.39
14 - 16 ft	•	•	•	•	•	•	•	0.12	0.43	1.02	0.78	•	•	•	•	•	2.35
16 - 18 ft	•	•	•	•	•	•	•	•	0.11	0.12	0.17	•	•	•	•	•	0.40
> 18 ft	•	•	•	•	•	•	•	•	•	•	0.03	•	•	•	•	•	0.03
Total	•	•	•	•	•	•	•	6.34	13.90	21.98	52.65	4.72	0.01	0.40	•	•	100.00

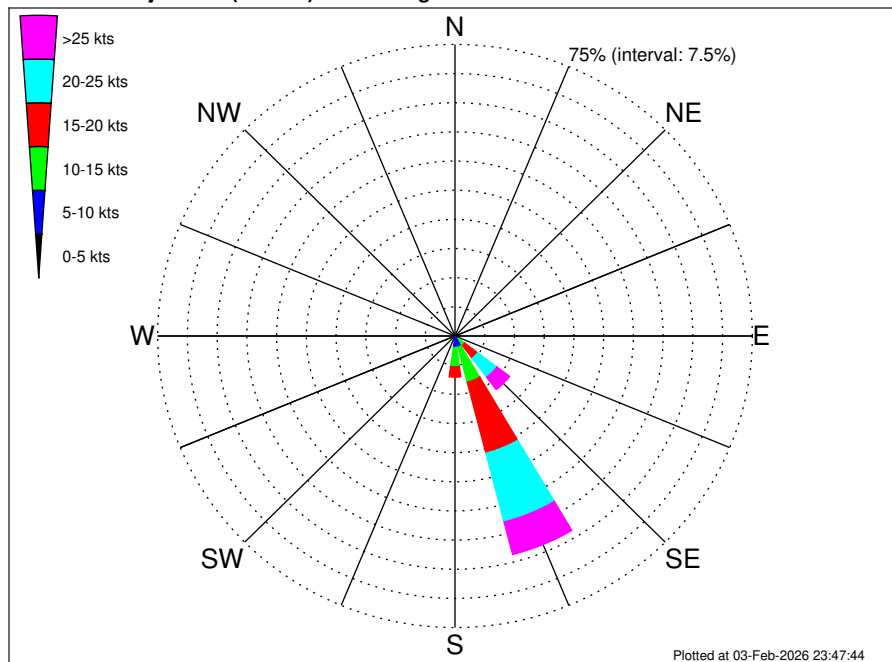
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for November: 1979 - 2015



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	•	•	•	•	•	•	•	0.59	0.11	•	•	•	•	•	•	•	0.70
6 - 8 sec	•	•	•	•	•	•	•	5.27	4.27	0.15	•	•	•	•	•	•	9.69
8 - 10 sec	•	•	•	•	•	•	•	0.48	8.44	3.74	2.14	0.26	•	•	•	•	15.05
10 - 12 sec	•	•	•	•	•	•	•	•	1.08	8.06	20.24	2.07	•	•	•	•	31.45
12 - 14 sec	•	•	•	•	•	•	•	•	•	6.94	21.26	1.69	0.01	0.07	•	•	29.97
14 - 16 sec	•	•	•	•	•	•	•	•	•	2.90	7.18	0.56	•	0.23	•	•	10.87
18 - 20 sec	•	•	•	•	•	•	•	•	•	0.19	1.65	0.11	•	0.11	•	•	2.06
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	0.17	0.03	•	•	•	•	0.20
Total	•	•	•	•	•	•	•	6.34	13.90	21.98	52.65	4.72	0.01	0.40	•	•	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for November: 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	•	•	0.03	•	0.01	•	0.01	•	0.01	•	•	0.11
0 - 5 kts	0.11	0.04	0.03	0.08	0.09	0.07	0.22	0.32	0.35	0.65	0.51	0.34	0.42	0.38	0.19	0.12	3.90
5 - 10 kts	0.15	0.01	0.03	0.01	0.04	0.15	0.81	2.65	2.59	1.83	1.02	0.71	0.86	0.90	0.63	0.31	12.70
10 - 15 kts	0.01	•	•	•	•	0.12	2.00	9.29	4.96	0.99	0.20	0.13	0.17	0.44	0.62	0.31	19.26
15 - 20 kts	0.01	•	•	•	•	0.07	4.14	18.86	2.69	0.11	0.03	0.01	0.01	0.04	0.17	0.19	26.33
20 - 25 kts	•	•	•	•	•	0.01	6.08	18.27	0.42	•	•	0.01	•	•	0.04	0.09	24.92
25 - 30 kts	•	•	•	•	•	0.01	3.23	7.33	0.01	•	•	•	•	•	0.03	0.04	10.65
30 - 35 kts	•	•	•	•	•	•	0.74	1.26	•	•	•	•	•	•	•	0.03	2.03
35 - 40 kts	•	•	•	•	•	•	0.05	0.05	•	•	•	•	•	•	•	•	0.11
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.28	0.07	0.05	0.09	0.16	0.43	17.26	58.05	11.02	3.59	1.76	1.22	1.47	1.77	1.68	1.09	100.00