

Angola Namibia CRS Oranjemund (BU-OR) - April

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 22.7 days Range: 19.8 - 25.6 days p50:23 days p75:21 days p90:20 days
Wave Height > 6.5 ft Mean: 15.7 days Range: 12.8 - 18.6 days p50:16 days p75:14 days p90:12 days
Wave Height > 8.0 ft Mean: 9.6 days Range: 6.9 - 12.4 days p50:9.5 days p75:8 days p90:7 days

Wind Speed > 15.0 knots Mean: 14.9 days Range: 11.7 - 18.0 days p50:15 days p75:13 days p90:11.5 days
Wind Speed > 20.0 knots Mean: 7.5 days Range: 5.5 - 9.6 days p50:8 days p75:6 days p90:5.5 days
Wind Speed > 25.0 knots Mean: 2.6 days Range: 1.4 - 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 0.8 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 2.5 times per month A 2 day or longer window will statistically occur 1.4 times per month A 3 day or longer window will statistically occur 0.7 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 3.8 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 1.6 times per month

Waves

Mean Height: 8 - 10 ft
The wave heights will occasionally reach 16 - 18 ft, but rarely higher.
Mean Period: 12 - 14 sec
The wave periods will occasionally reach 18 - 20 sec, but rarely longer.
Principle Direction, from: SW
WindSea/Swell: 3% / 97%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 30 - 35 kts, but rarely greater.
Principle Direction, from: SSE

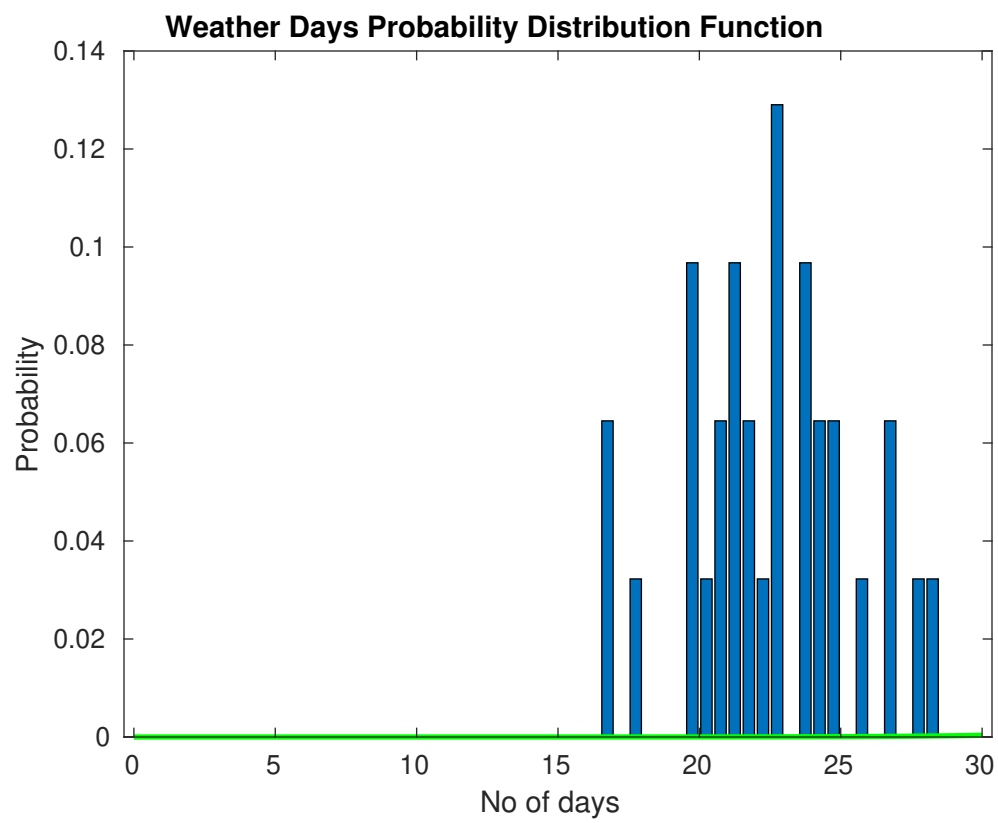
Currents

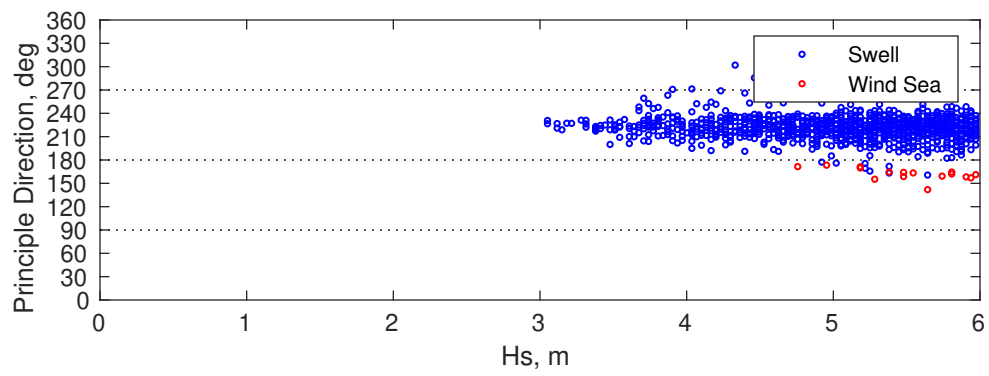
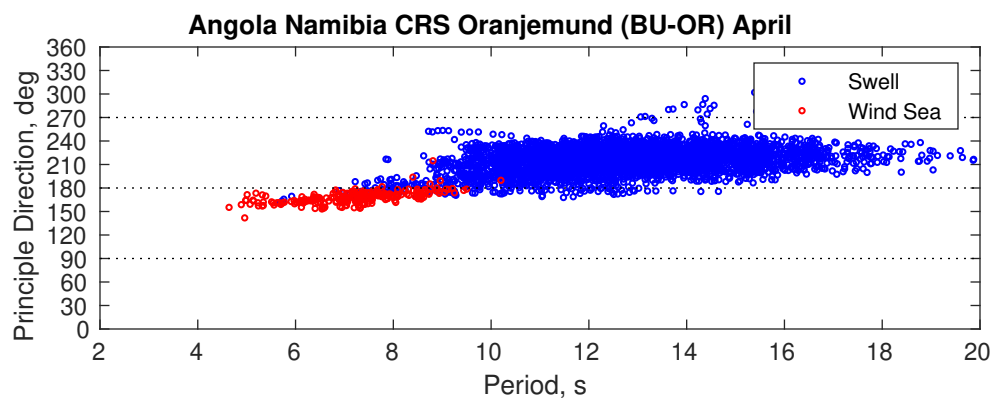
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.00-1.25 kts, but rarely greater.
Principle Direction, to: W

Weather Days
Current Speed > 0.5 knots Mean: 13.2 days Range: 8.4 - 17.9 days p50:13 days p75:10 days p90:7 days
Current Speed > 1.0 knots Mean: 0.7 days Range: 0.0 - 1.9 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

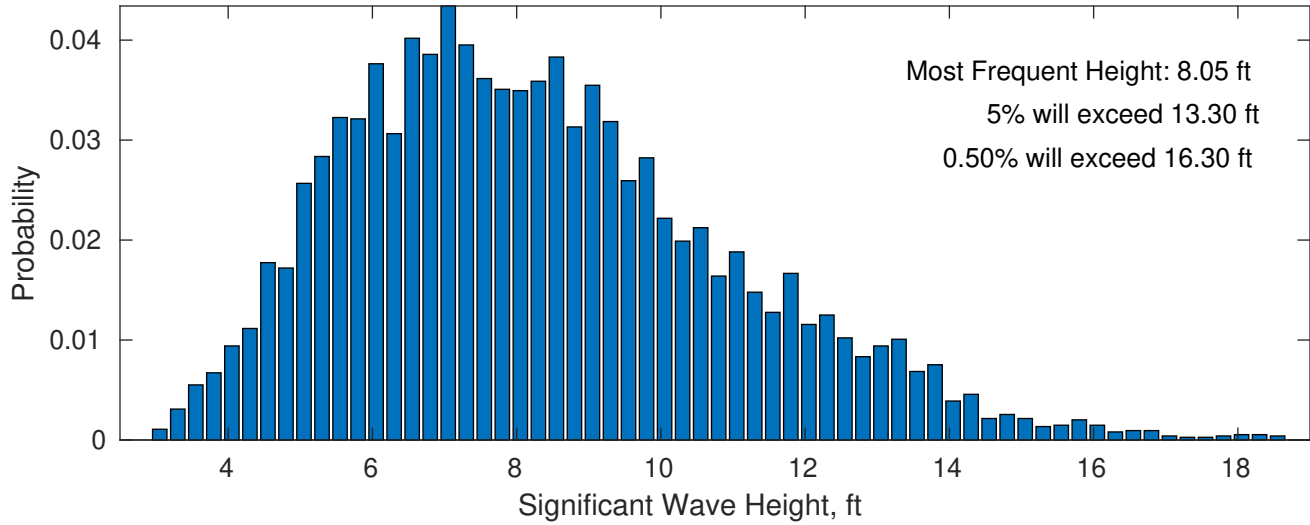
Severe Storms

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

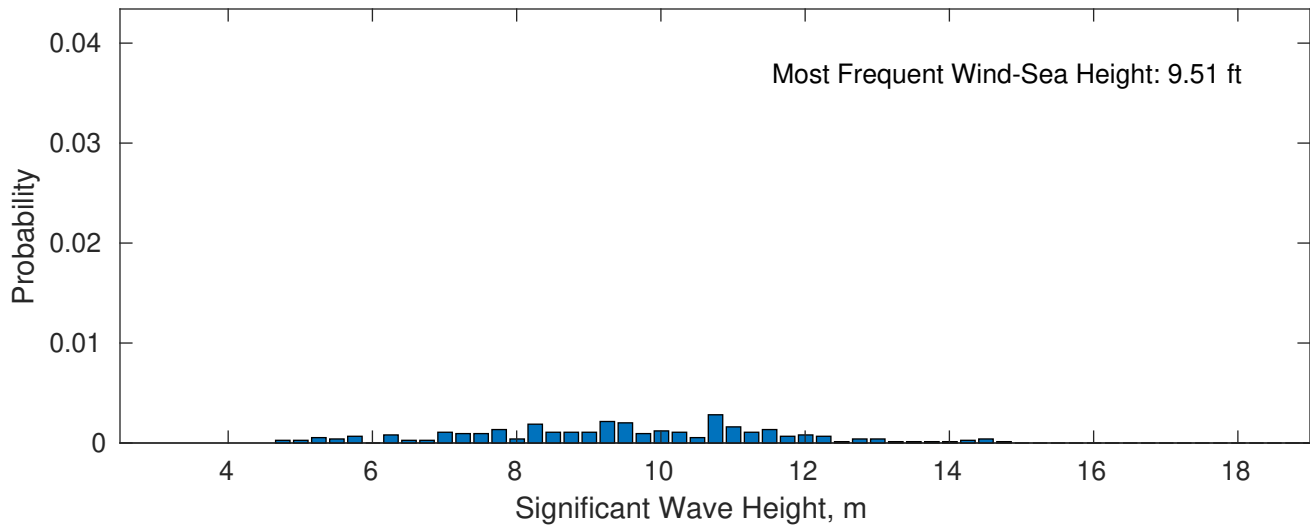




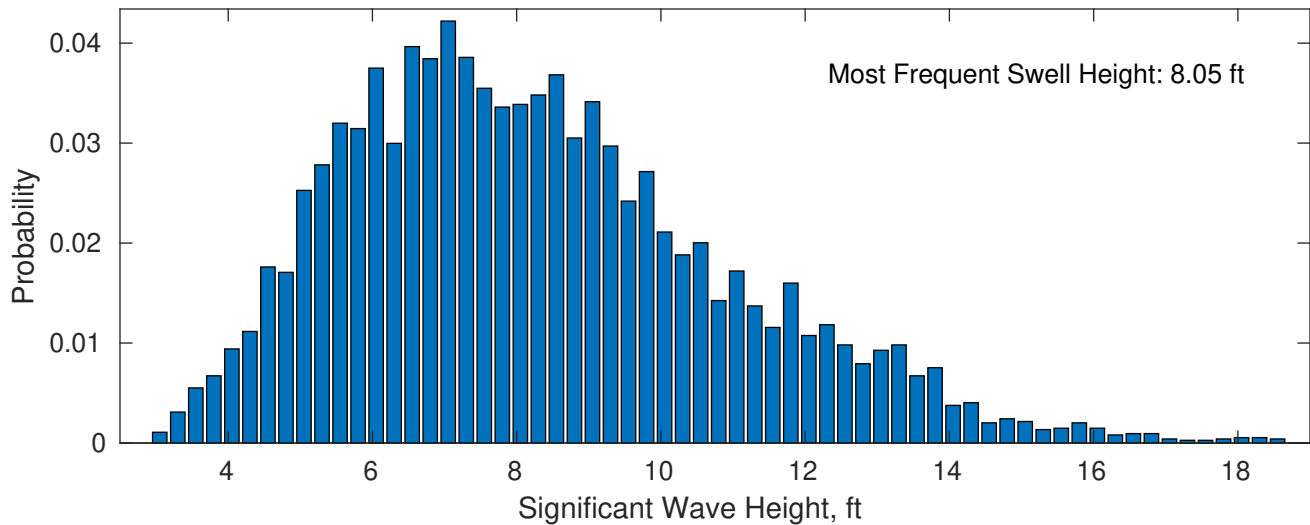
April Wave Height PDF: 1979 - 2015



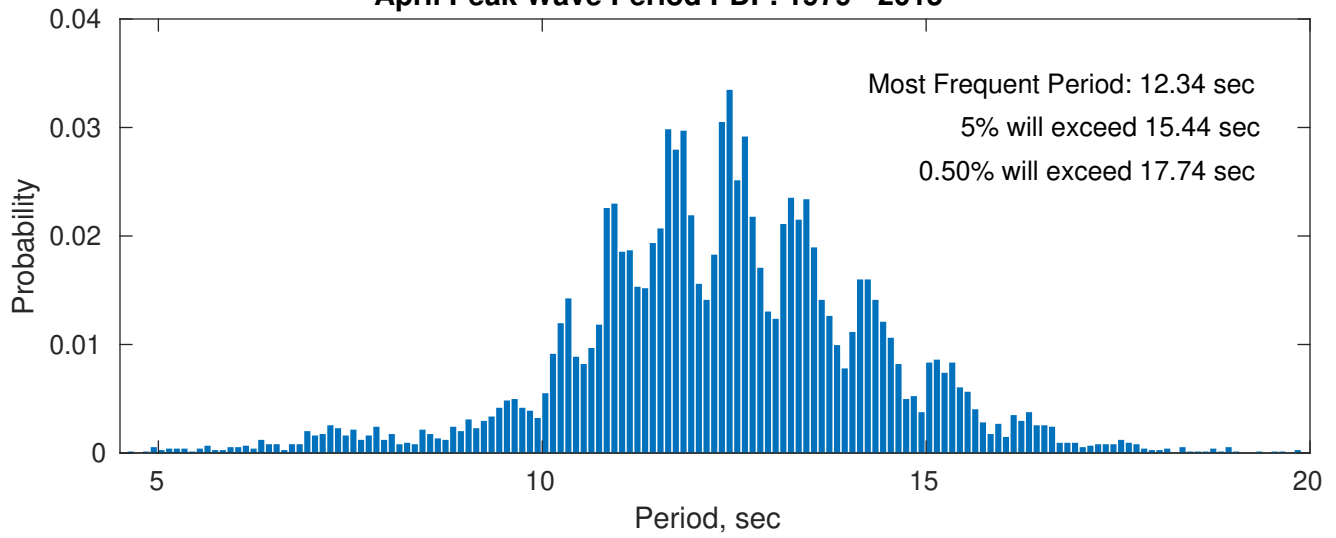
Wind-Sea: 3.25%



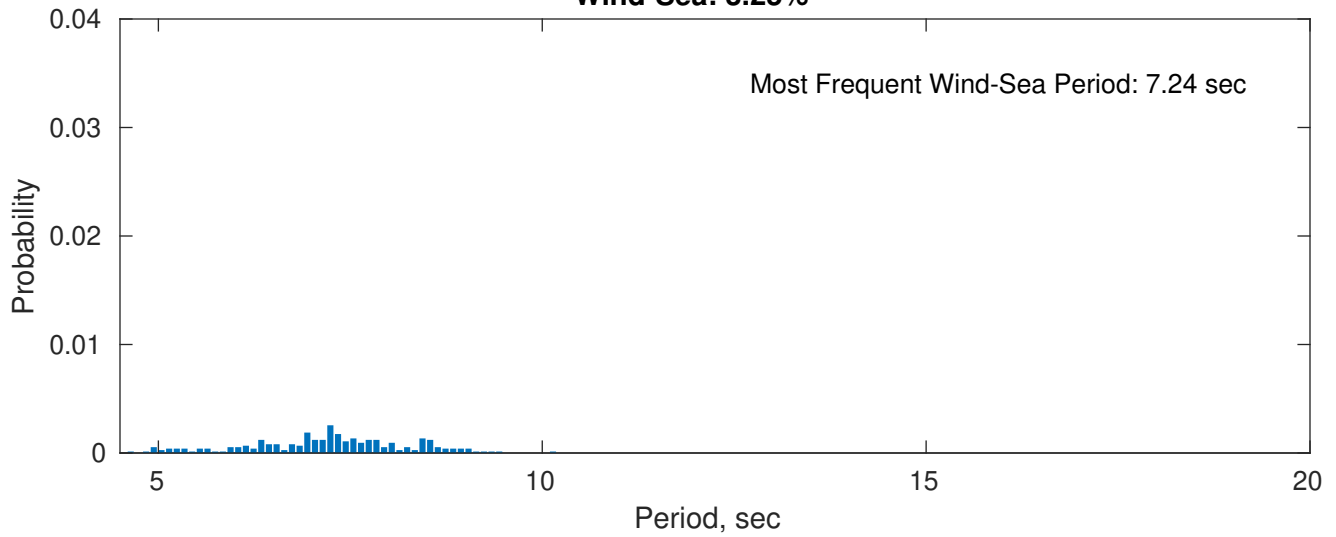
Swell: 96.75%



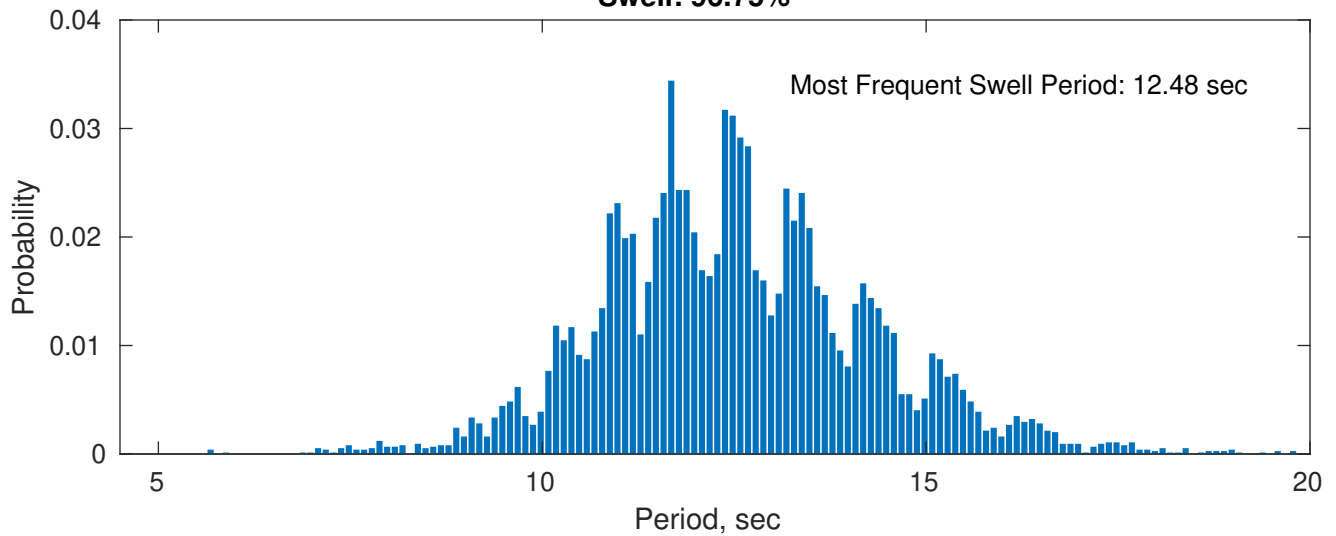
April Peak Wave Period PDF: 1979 - 2015



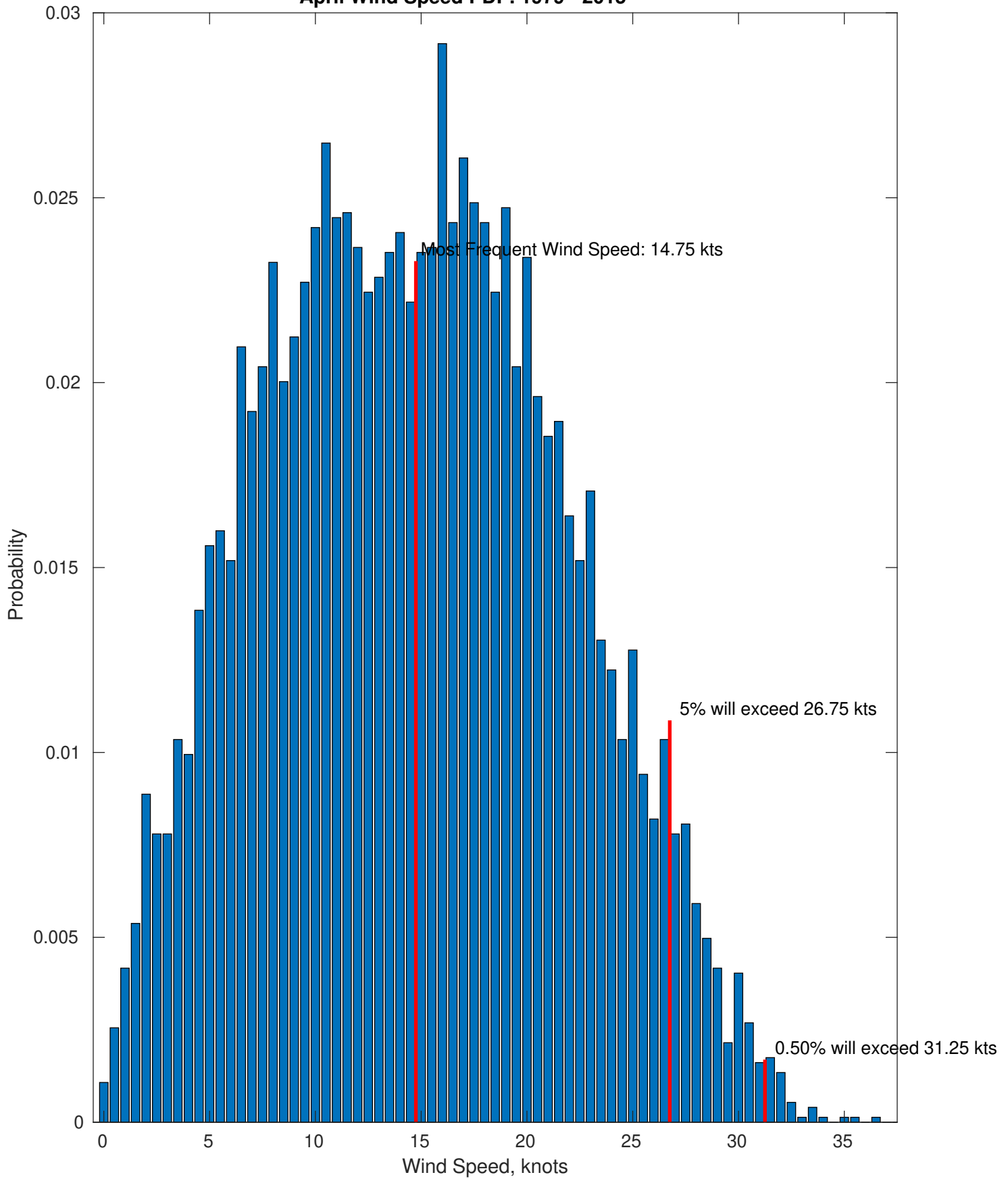
Wind-Sea: 3.25%



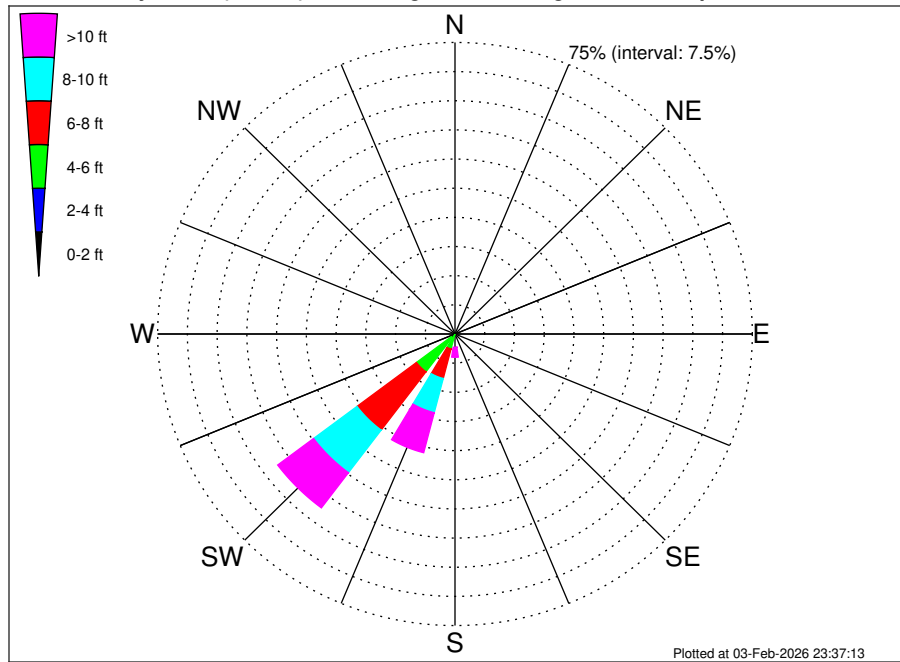
Swell: 96.75%



April Wind Speed PDF: 1979 - 2015



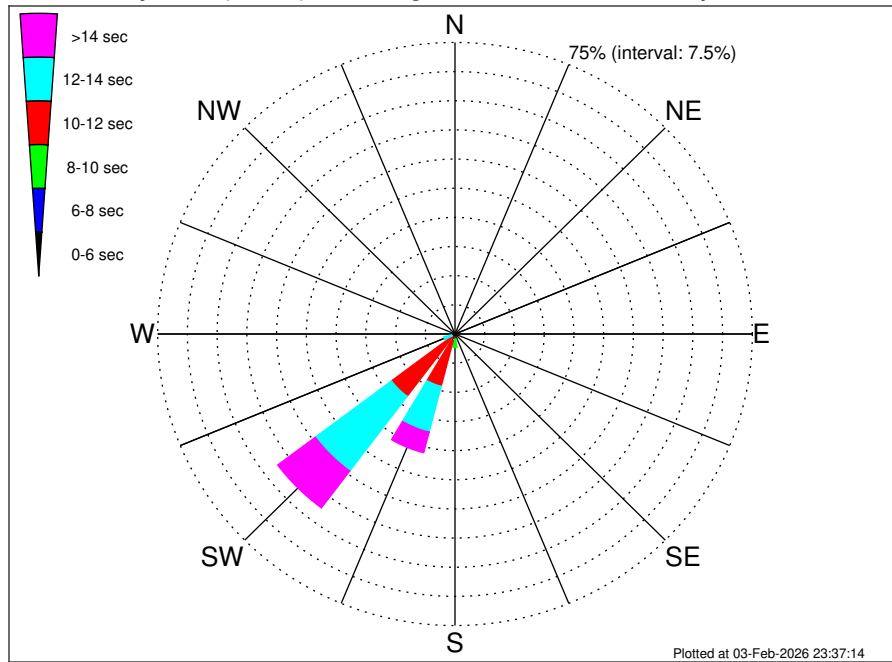
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for April: 1979 - 2015



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	1.14	0.11	0.04	•	•	•	1.51
4 - 6 ft	•	•	•	•	•	•	0.01	0.19	0.31	3.76	11.03	1.24	0.07	0.05	0.01	•	16.68
6 - 8 ft	•	•	•	•	•	•	•	0.43	1.32	7.85	18.78	1.73	0.11	0.05	•	•	30.27
8 - 10 ft	•	•	•	•	•	•	•	0.51	1.80	9.09	13.72	1.13	•	•	•	•	26.25
10 - 12 ft	•	•	•	•	•	•	•	0.52	1.40	5.73	6.77	0.13	•	•	•	•	14.56
12 - 14 ft	•	•	•	•	•	•	•	0.08	0.91	3.70	3.24	•	•	•	•	•	7.93
14 - 16 ft	•	•	•	•	•	•	•	0.03	0.20	0.91	0.90	•	•	•	•	•	2.04
16 - 18 ft	•	•	•	•	•	•	•	•	0.03	0.19	0.39	•	•	•	•	•	0.60
> 18 ft	•	•	•	•	•	•	•	•	0.03	0.11	0.03	•	•	•	•	•	0.16
Total	•	•	•	•	•	•	0.01	1.76	5.99	31.55	56.01	4.34	0.22	0.11	0.01	•	100.00

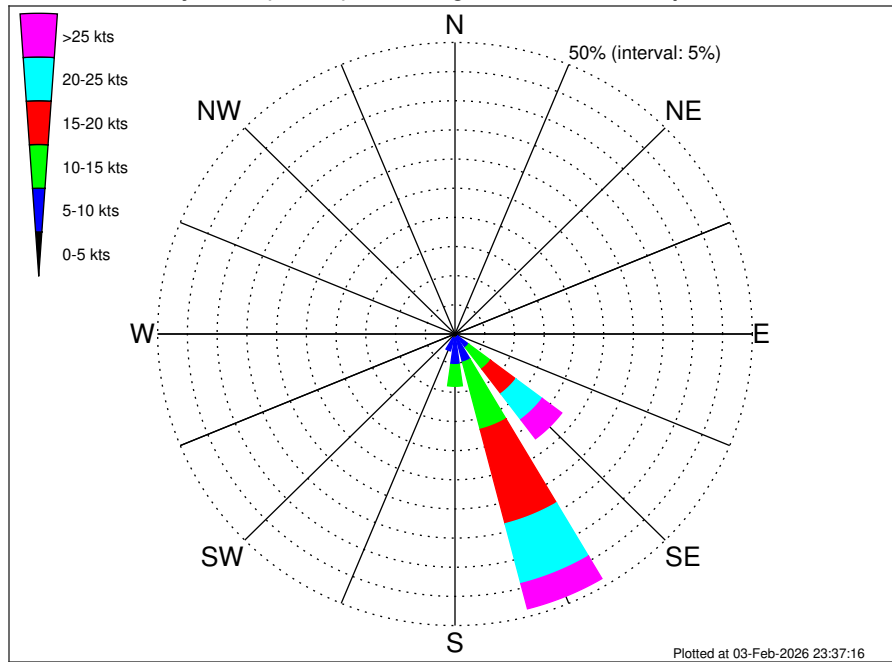
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for April: 1979 - 2015



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	•	•	•	•	•	•	0.01	0.35	0.07	•	•	•	•	•	•	•	0.43
6 - 8 sec	•	•	•	•	•	•	•	1.29	1.33	0.01	0.03	•	•	•	•	•	2.66
8 - 10 sec	•	•	•	•	•	•	•	0.11	2.07	1.85	0.93	0.15	•	•	•	•	5.11
10 - 12 sec	•	•	•	•	•	•	•	0.01	1.52	12.04	19.11	0.74	•	•	•	•	33.43
12 - 14 sec	•	•	•	•	•	•	•	•	0.71	12.18	24.07	2.06	0.11	0.03	•	•	39.15
14 - 16 sec	•	•	•	•	•	•	•	•	0.30	4.53	9.72	1.12	0.09	0.08	0.01	•	15.85
18 - 20 sec	•	•	•	•	•	•	•	•	•	0.87	1.83	0.26	0.01	•	•	•	2.97
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.05	0.32	0.03	•	•	•	•	0.40
Total	•	•	•	•	•	•	0.01	1.76	5.99	31.55	56.01	4.34	0.22	0.11	0.01	•	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for April: 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	0.01	0.01	0.04	0.03	0.03	•	0.01	•	0.03	0.07	0.03	0.03	0.03	0.36
0 - 5 kts	0.23	0.20	0.20	0.16	0.24	0.42	0.55	0.56	0.81	0.75	0.66	0.63	0.48	0.36	0.22	0.34	6.81
5 - 10 kts	0.26	0.13	0.07	0.09	0.24	0.59	2.31	4.41	4.46	2.23	1.17	0.77	0.78	0.69	0.66	0.60	19.46
10 - 15 kts	0.09	0.04	0.07	0.05	0.11	0.34	4.60	11.90	3.70	0.83	0.30	0.05	0.09	0.28	0.71	0.69	23.84
15 - 20 kts	0.04	•	0.01	•	•	0.09	5.34	16.72	1.24	0.07	0.03	0.04	0.04	0.05	0.31	0.38	24.35
20 - 25 kts	0.05	•	•	•	0.01	0.03	5.56	10.60	0.04	•	•	•	0.01	0.01	0.04	0.11	16.48
25 - 30 kts	•	•	•	•	•	•	3.44	3.86	0.01	0.01	0.01	•	•	•	•	0.04	7.38
30 - 35 kts	•	•	•	•	•	•	0.63	0.59	•	0.01	•	•	•	•	0.01	0.01	1.26
35 - 40 kts	•	•	•	•	•	•	0.03	0.01	•	•	•	•	•	•	•	•	0.04
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.69	0.40	0.36	0.32	0.62	1.51	22.49	48.68	10.26	3.92	2.16	1.52	1.48	1.42	1.98	2.19	100.00