

Angola Namibia CRS Oranjemund (BU-OR) - May

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 24.2 days Range: 21.7 - 26.6 days p50:25 days p75:22 days p90:21 days

Wave Height > 6.5 ft Mean: 17.0 days Range: 13.6 - 20.4 days p50:17.5 days p75:14.5 days p90:12 days

Wave Height > 8.0 ft Mean: 10.6 days Range: 7.6 - 13.7 days p50:11 days p75:7.5 days p90:7 days

Wind Speed > 15.0 knots Mean: 12.8 days Range: 9.8 - 15.8 days p50:13 days p75:10.5 days p90:9.5 days

Wind Speed > 20.0 knots Mean: 6.4 days Range: 3.9 - 8.8 days p50:6 days p75:4.5 days p90:4 days

Wind Speed > 25.0 knots Mean: 1.9 days Range: 0.5 - 3.3 days p50:2 days p75:1 days p90:1 days

Working Window

Wave Height < 5.0 ft A 1 day or longer window will statistically occur 0.5 times per month
A 2 day or longer window will statistically occur 0.1 times per month
A 3 day or longer window will statistically occur 0.0 times per month

Wave Height < 6.5 ft A 1 day or longer window will statistically occur 2.3 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 0.3 times per month

Wave Height < 8.0 ft A 1 day or longer window will statistically occur 3.9 times per month
A 2 day or longer window will statistically occur 2.2 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 > 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: 2% / 98%

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: NW

Weather Days

Current Speed > 0.5 knots Mean: 9.6 days Range: 4.2 - 15.0 days p50:9 days p75:7 days p90:5 days

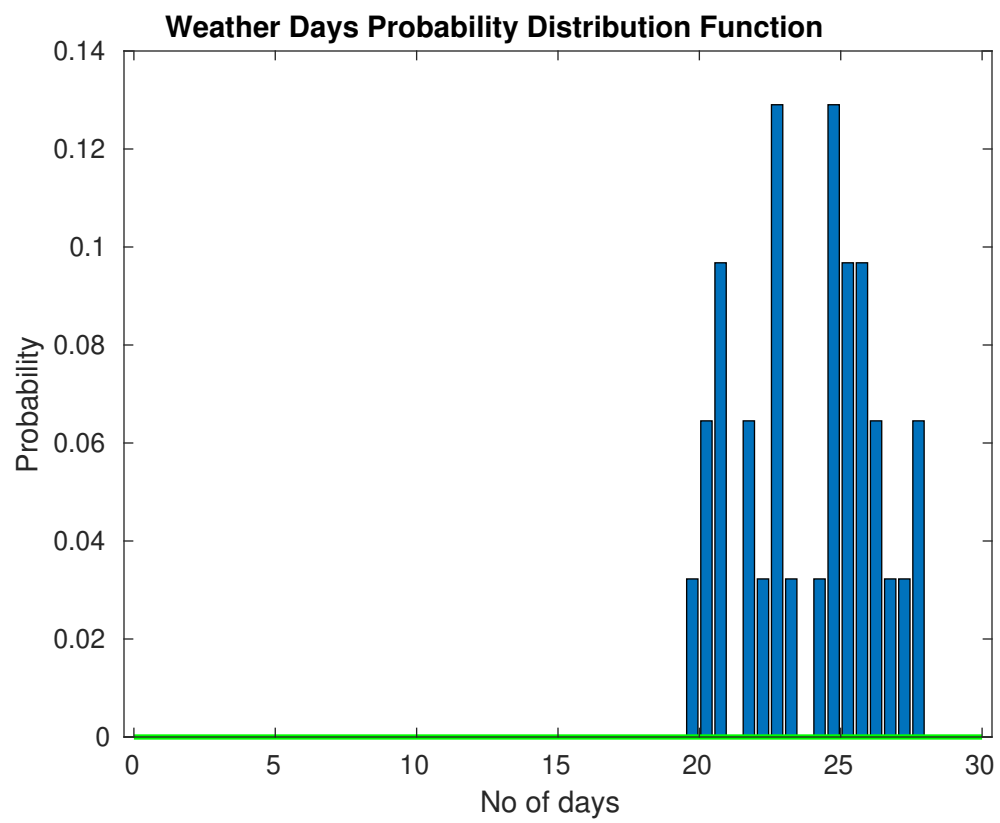
Current Speed > 1.0 knots Mean: 0.2 days Range: 0.0 - 0.7 days p50:1 days p75:1 days p90:1 days

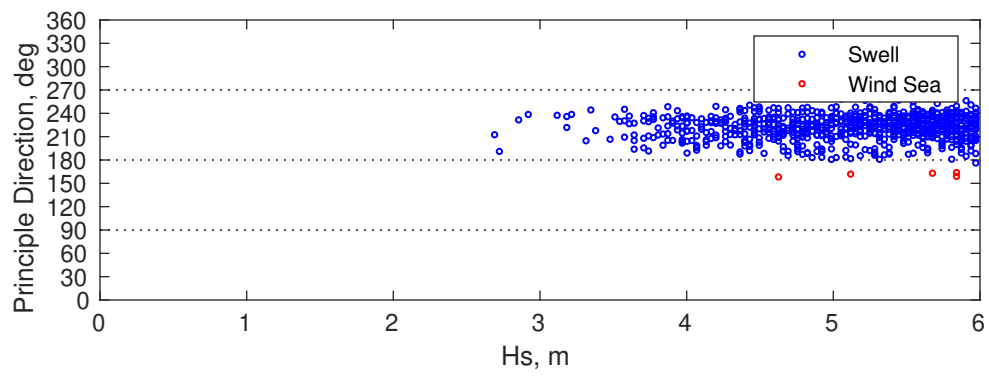
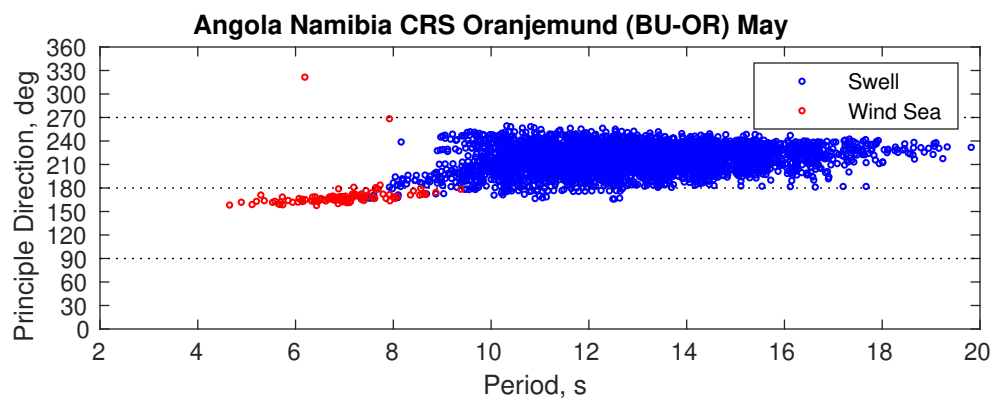
Current Speed > 1.5 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

Severe Storms

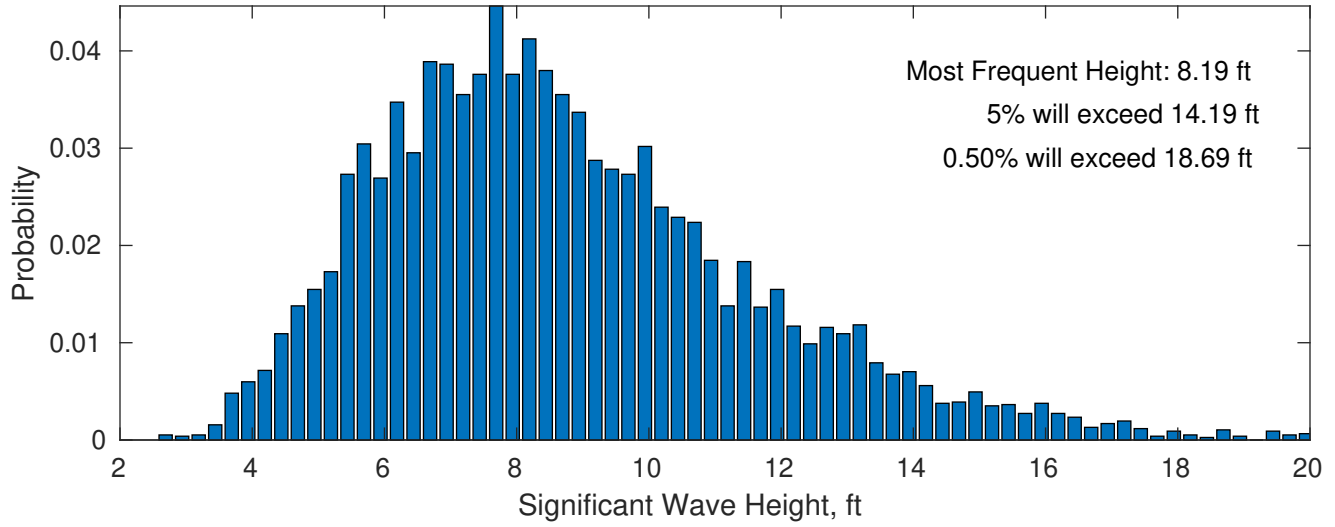
There is a 3 % chance of a storm occurring in the month with winds peaking above 34 kts.

There is a 13 % chance of a storm occurring in the month with waves exceeding 3 m (10 ft) above the mean wave height.

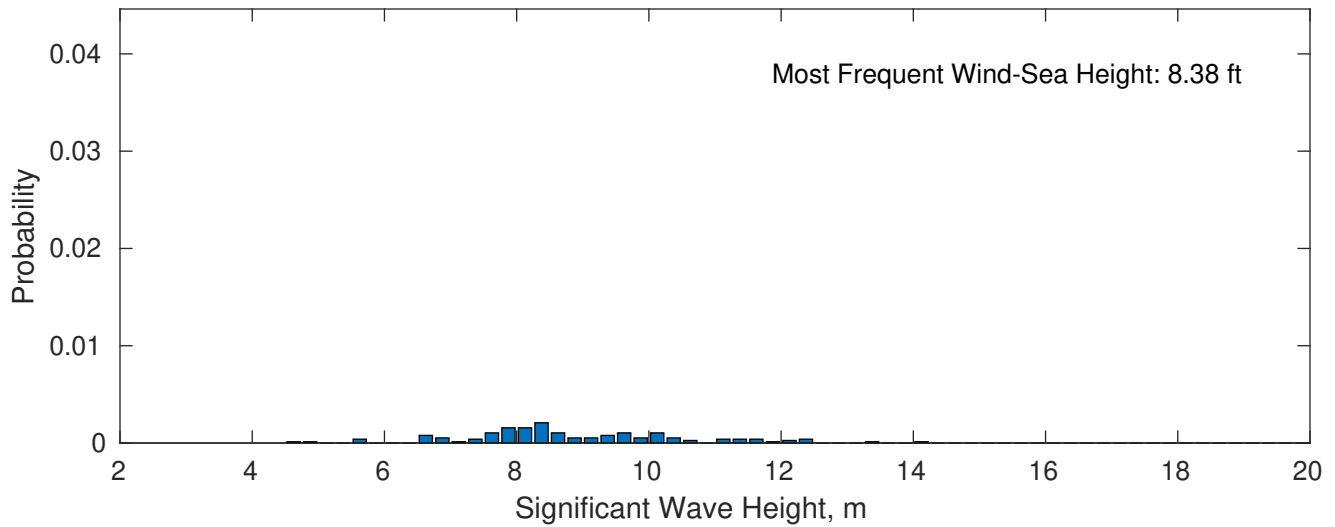




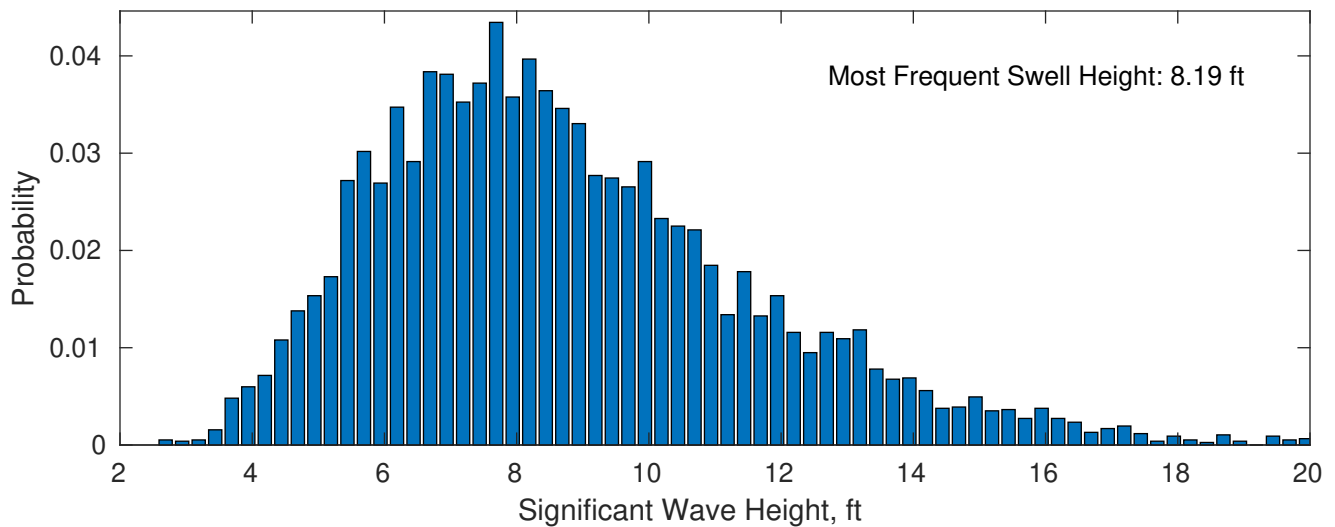
May Wave Height PDF: 1979 - 2015



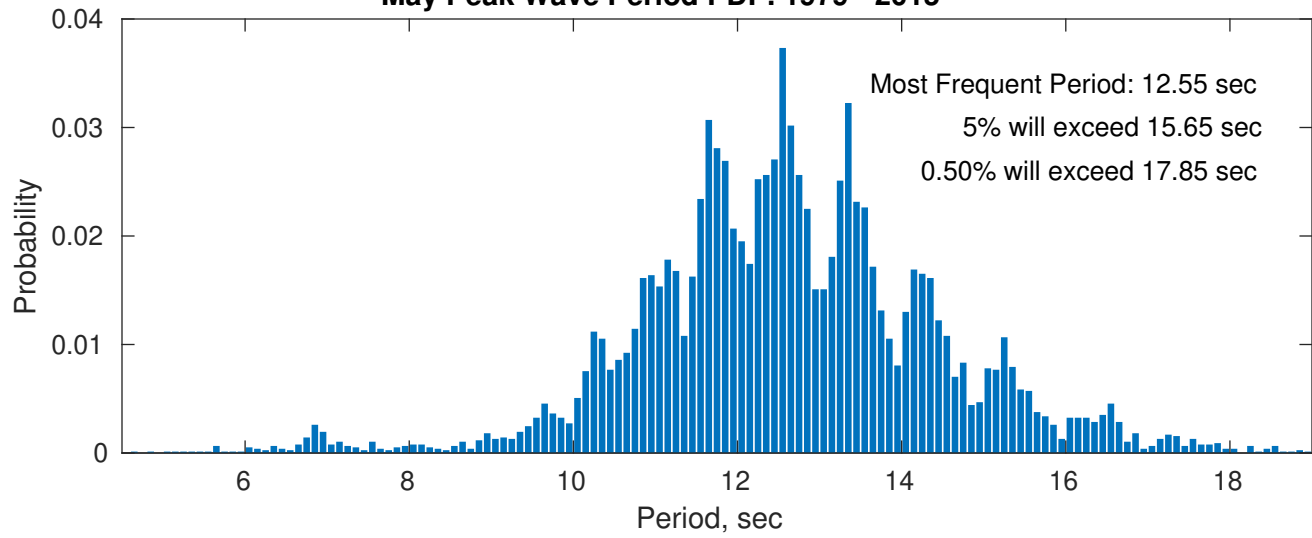
Wind-Sea: 1.72%



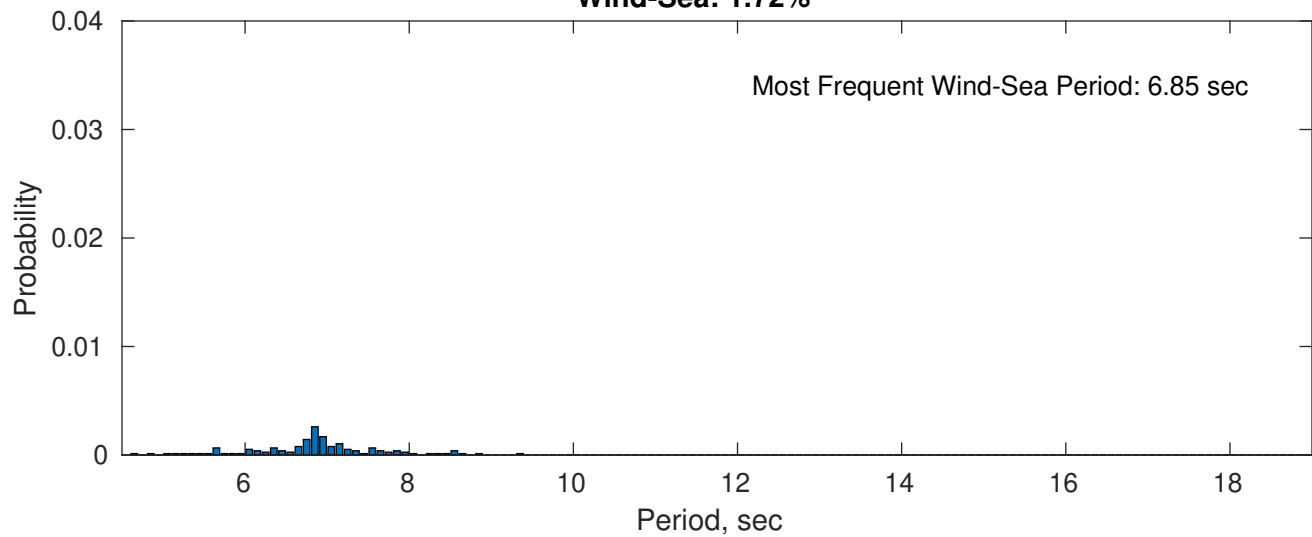
Swell: 98.28%



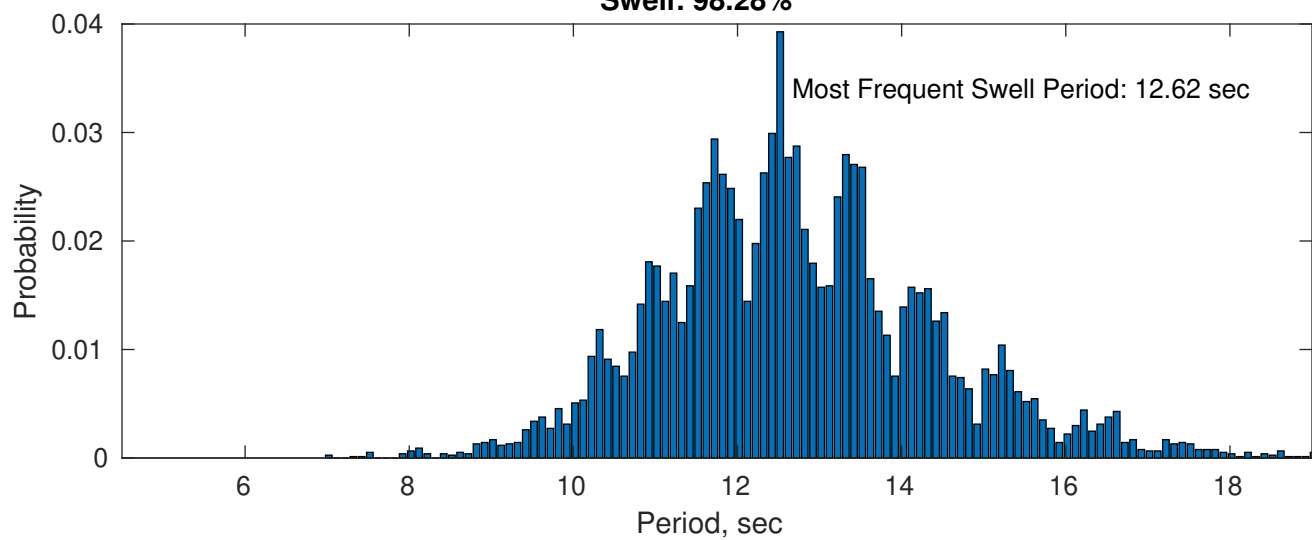
May Peak Wave Period PDF: 1979 - 2015



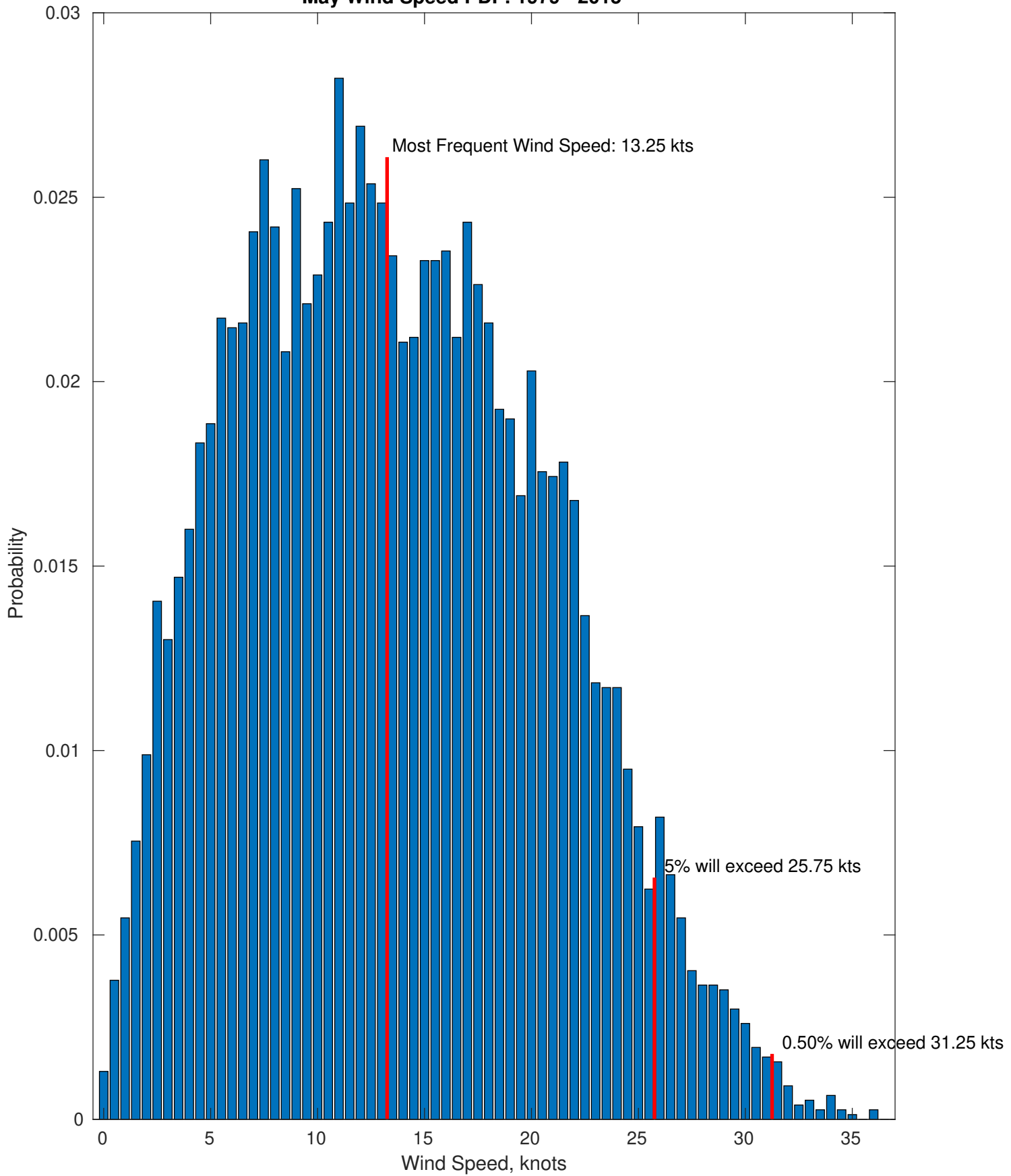
Wind-Sea: 1.72%



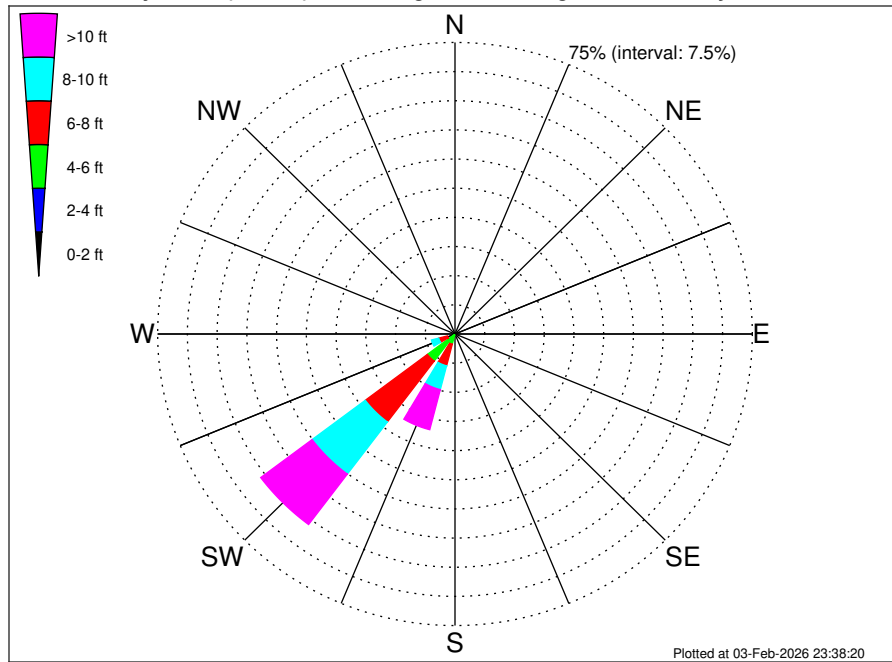
Swell: 98.28%



May Wind Speed PDF: 1979 - 2015



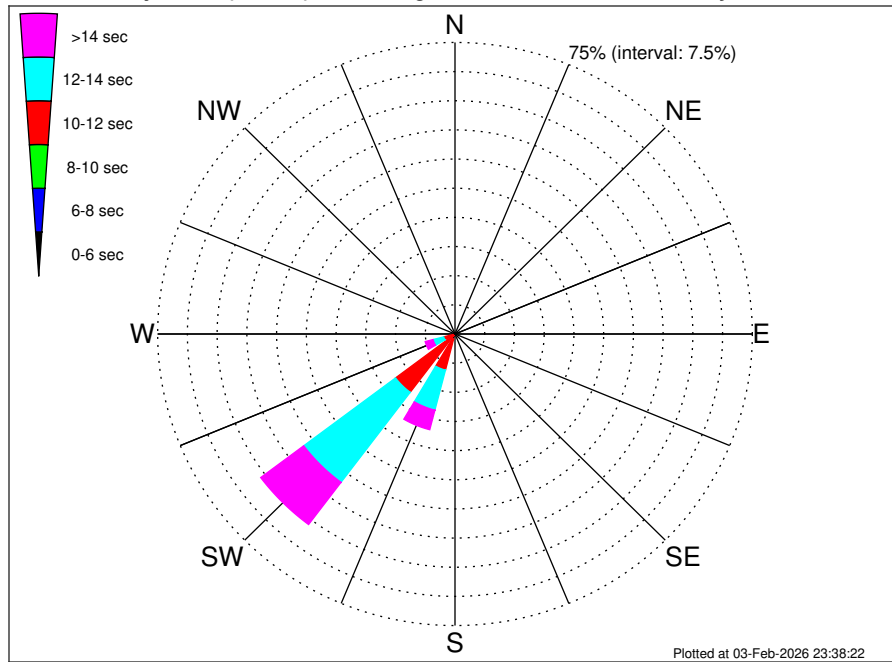
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for May: 1979 - 2015



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	•	•	•	•	•	•	•	•	0.01	0.33	0.46	0.13	•	•	•	•	0.92
4 - 6 ft	•	•	•	•	•	•	•	0.07	0.44	2.41	8.27	1.85	0.03	•	•	•	13.06
6 - 8 ft	•	•	•	•	•	•	•	0.40	0.90	5.72	19.61	2.26	•	•	•	•	28.90
8 - 10 ft	•	•	•	•	•	•	•	0.75	1.30	6.33	16.79	1.90	•	•	•	•	27.08
10 - 12 ft	•	•	•	•	•	•	•	0.16	0.81	4.81	9.43	0.88	•	•	0.01	•	16.10
12 - 14 ft	•	•	•	•	•	•	•	0.01	0.36	3.52	3.98	0.43	0.01	•	•	•	8.32
14 - 16 ft	•	•	•	•	•	•	•	•	0.13	1.51	1.59	0.21	•	•	•	•	3.43
16 - 18 ft	•	•	•	•	•	•	•	•	0.03	0.59	0.79	0.05	•	•	•	•	1.46
> 18 ft	•	•	•	•	•	•	•	•	0.01	0.21	0.44	0.05	•	•	•	•	0.72
Total	•	•	•	•	•	•	•	1.39	3.99	25.43	61.37	7.77	0.04	•	0.01	•	100.00

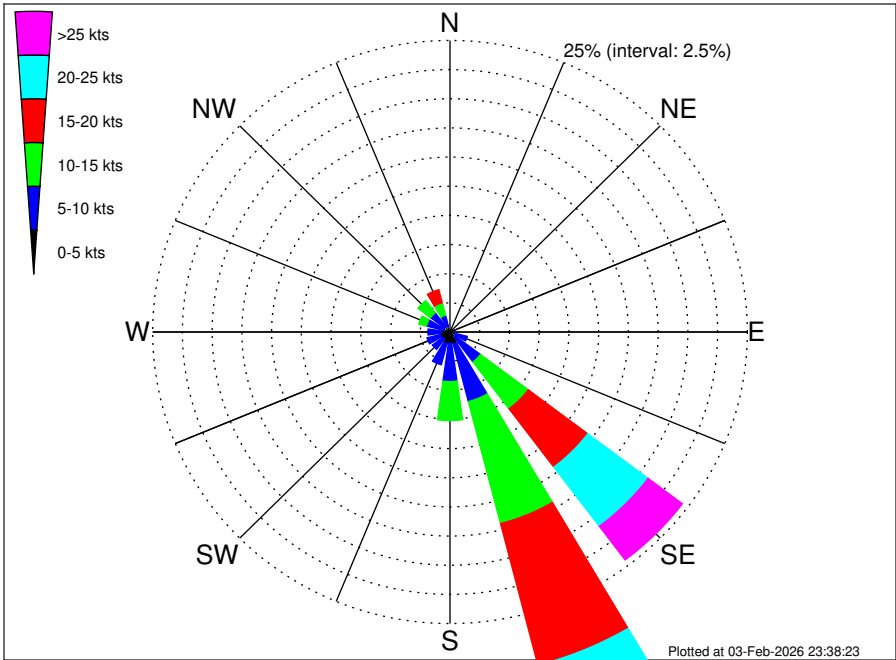
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for May: 1979 - 2015



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	•	•	•	•	•	•	•	0.18	0.01	•	•	•	•	•	•	•	0.20
6 - 8 sec	•	•	•	•	•	•	•	1.11	0.39	•	•	•	0.01	•	0.01	•	1.52
8 - 10 sec	•	•	•	•	•	•	•	0.03	0.82	1.40	0.49	0.56	•	•	•	•	3.30
10 - 12 sec	•	•	•	•	•	•	•	0.04	1.48	8.19	18.29	2.38	0.03	•	•	•	30.41
12 - 14 sec	•	•	•	•	•	•	•	0.04	0.90	10.64	29.01	2.78	•	•	•	•	43.37
14 - 16 sec	•	•	•	•	•	•	•	•	0.31	4.45	10.90	1.40	•	•	•	•	17.07
18 - 20 sec	•	•	•	•	•	•	•	•	0.08	0.72	2.34	0.57	•	•	•	•	3.71
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.03	0.34	0.07	•	•	•	•	0.43
Total	•	•	•	•	•	•	•	1.39	3.99	25.43	61.37	7.77	0.04	•	0.01	•	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.03	0.04	0.03	0.04	0.07	0.01	0.03	0.05	0.07	0.01	0.01	0.05	0.03	0.04	0.01	•	0.51
0 - 5 kts	0.39	0.43	0.30	0.35	0.53	0.43	0.57	1.03	0.91	1.03	0.73	0.82	0.74	0.55	0.57	0.52	9.90
5 - 10 kts	0.38	0.25	0.22	0.30	0.33	1.07	2.61	5.09	3.28	1.86	1.12	1.12	1.09	1.47	1.47	0.96	22.61
10 - 15 kts	0.20	0.10	0.10	0.05	0.09	0.51	5.03	10.80	3.34	0.30	0.26	0.25	0.21	0.65	1.31	1.11	24.31
15 - 20 kts	0.08	•	•	•	0.05	0.09	6.26	12.54	0.57	0.04	•	0.03	0.03	0.07	0.60	1.16	21.50
20 - 25 kts	0.01	•	•	•	•	0.07	6.36	7.64	0.03	0.01	0.01	•	•	•	0.29	0.42	14.83
25 - 30 kts	0.03	•	•	•	•	0.04	2.86	2.16	•	•	•	•	•	0.01	0.01	0.12	5.23
30 - 35 kts	•	•	•	•	•	•	0.72	0.29	•	•	•	•	•	•	•	0.08	1.08
35 - 40 kts	•	•	•	•	•	•	0.03	0.01	•	•	•	•	•	•	•	•	0.04
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.11	0.82	0.65	0.74	1.07	2.21	24.47	39.59	8.19	3.25	2.13	2.26	2.09	2.78	4.27	4.36	100.00