

Angola Namibia CRS Oranjemund (BU-OR) - February

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 25.5 days Range: 23.1 - 27.8 days p50:25.5 days p75:24 days p90:23 days
Wave Height > 6.5 ft Mean: 18.9 days Range: 16.2 - 21.6 days p50:19 days p75:16.5 days p90:16.5 days
Wave Height > 8.0 ft Mean: 11.2 days Range: 9.0 - 13.4 days p50:10.5 days p75:9.5 days p90:9 days

Wind Speed > 15.0 knots Mean: 18.5 days Range: 15.2 - 21.7 days p50:18.5 days p75:17 days p90:14 days
Wind Speed > 20.0 knots Mean: 9.4 days Range: 6.6 - 12.2 days p50:10 days p75:7 days p90:5.5 days
Wind Speed > 25.0 knots Mean: 2.2 days Range: 1.1 - 3.2 days p50:2.5 days p75:1.5 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 0.2 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 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 3.7 times per month A 2 day or longer window will statistically occur 2.3 times per month A 3 day or longer window will statistically occur 1.2 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

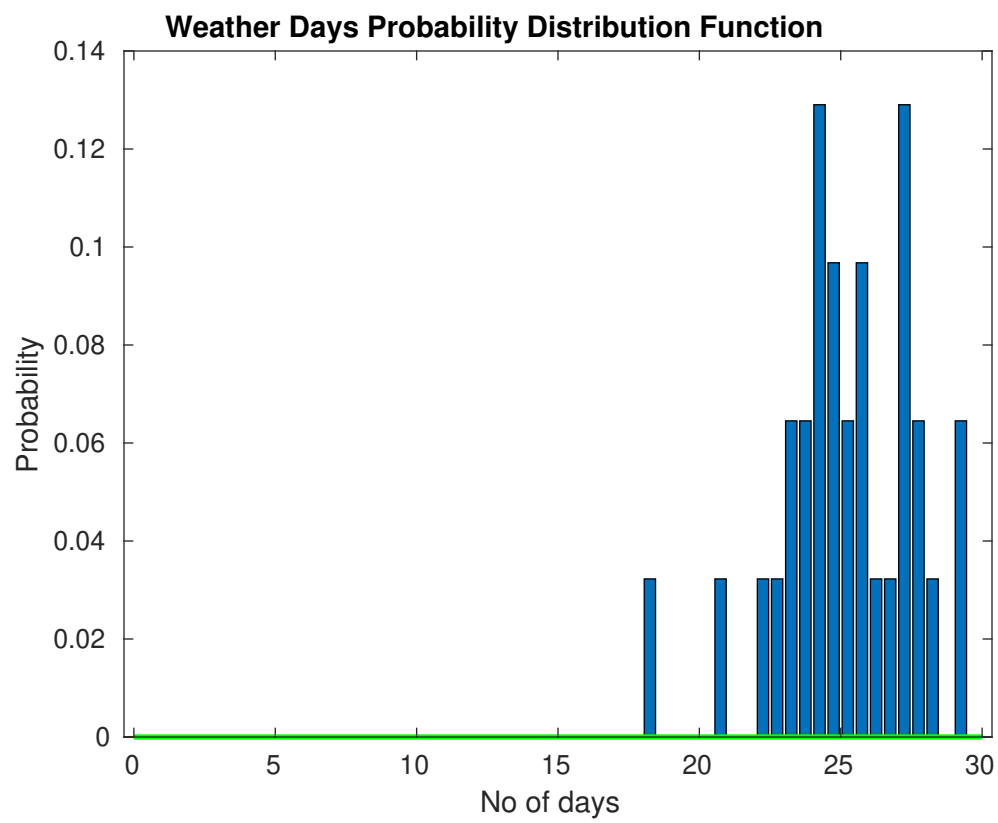
Mean Speed: 0.50-0.75 kts
The currents will occasionally reach 1.25-1.50 kts, but rarely greater.
Principle Direction, to: W

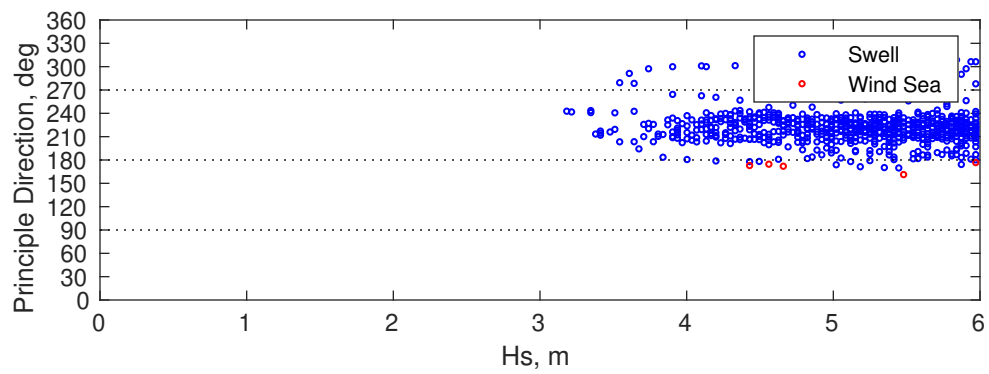
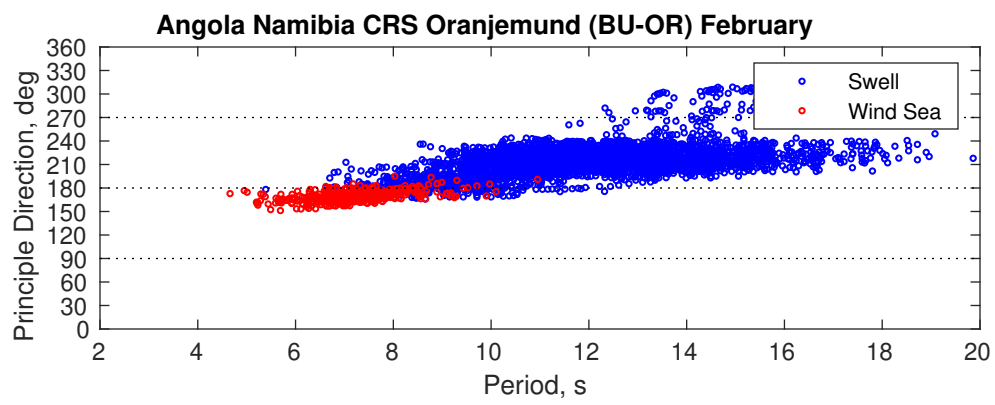
Weather Days

Current Speed > 0.5 knots Mean: 20.5 days Range: 14.7 - 26.4 days p50:24 days p75:17 days p90:12 days
Current Speed > 1.0 knots Mean: 3.0 days Range: 0.0 - 6.1 days p50:3 days p75:2 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

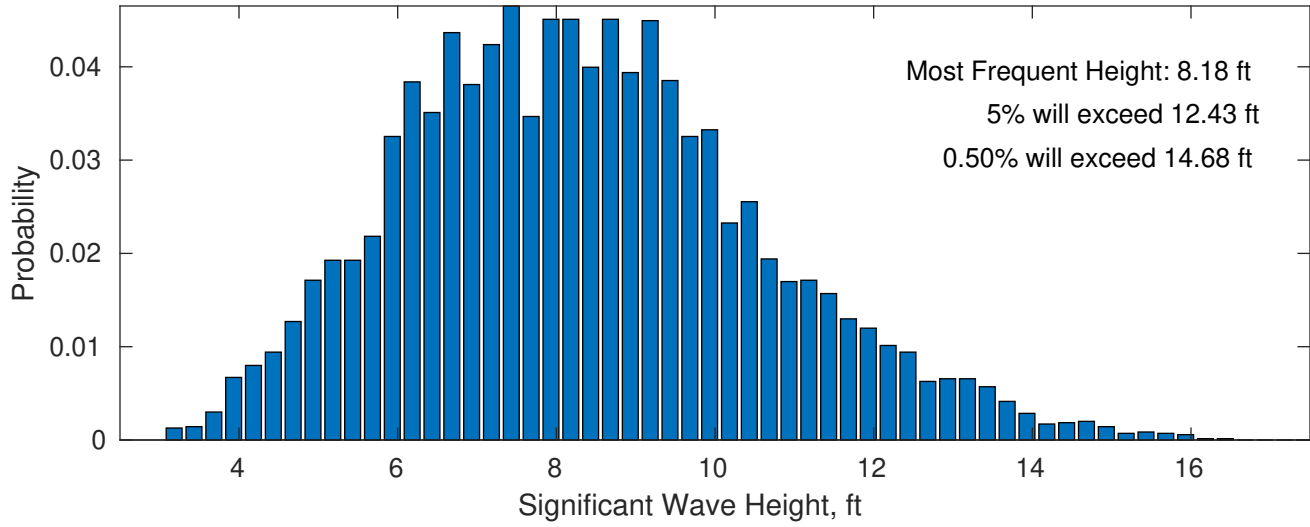
Severe Storms

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

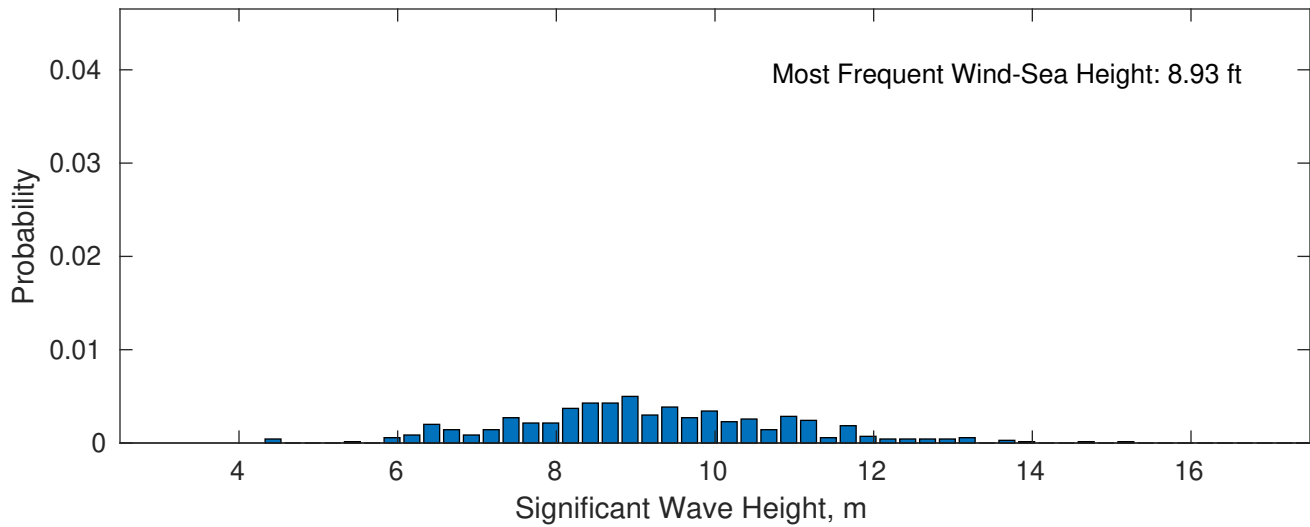




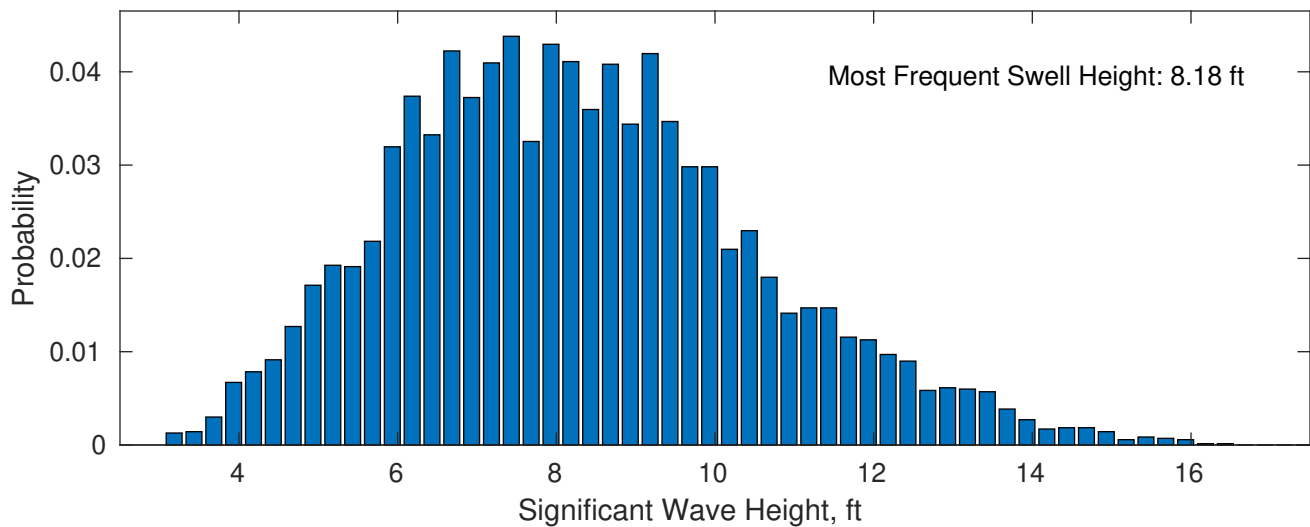
February Wave Height PDF: 1979 - 2015



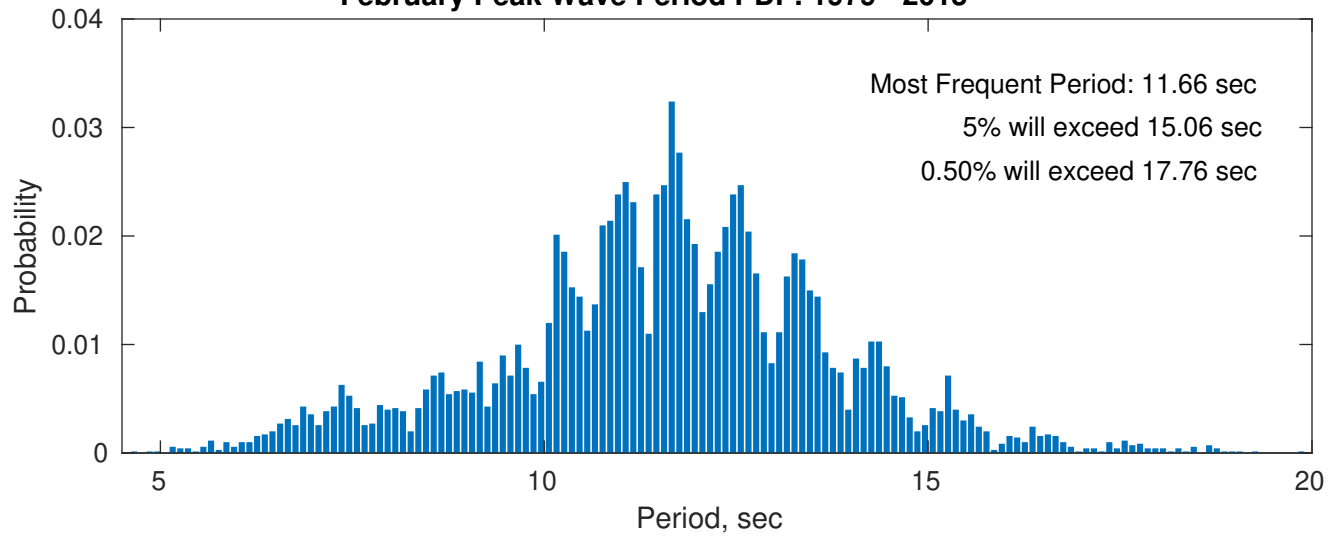
Wind-Sea: 6.26%



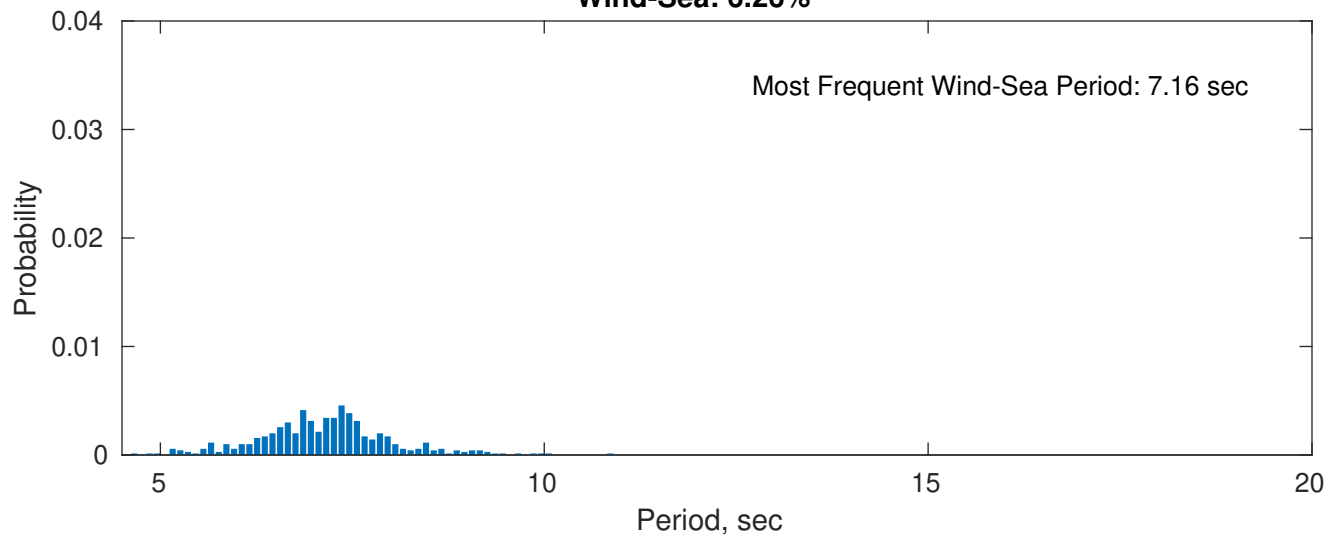
Swell: 93.74%



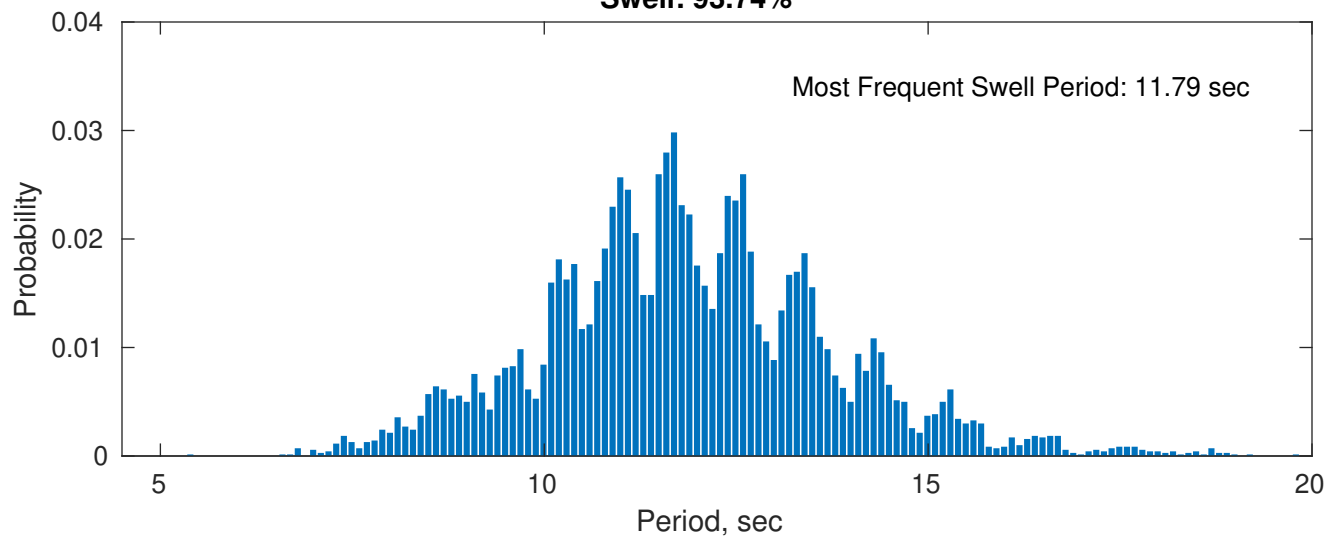
February Peak Wave Period PDF: 1979 - 2015



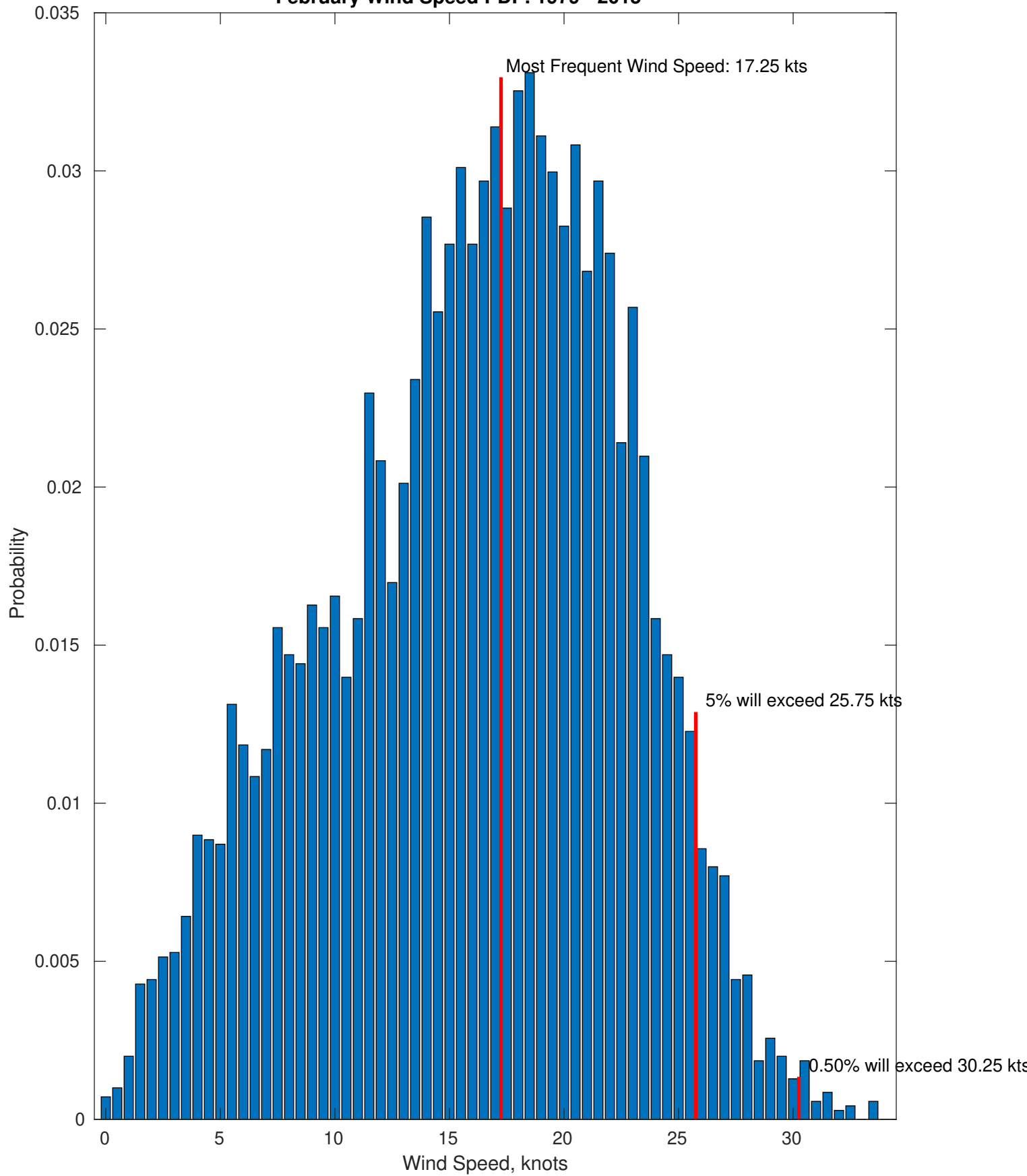
Wind-Sea: 6.26%



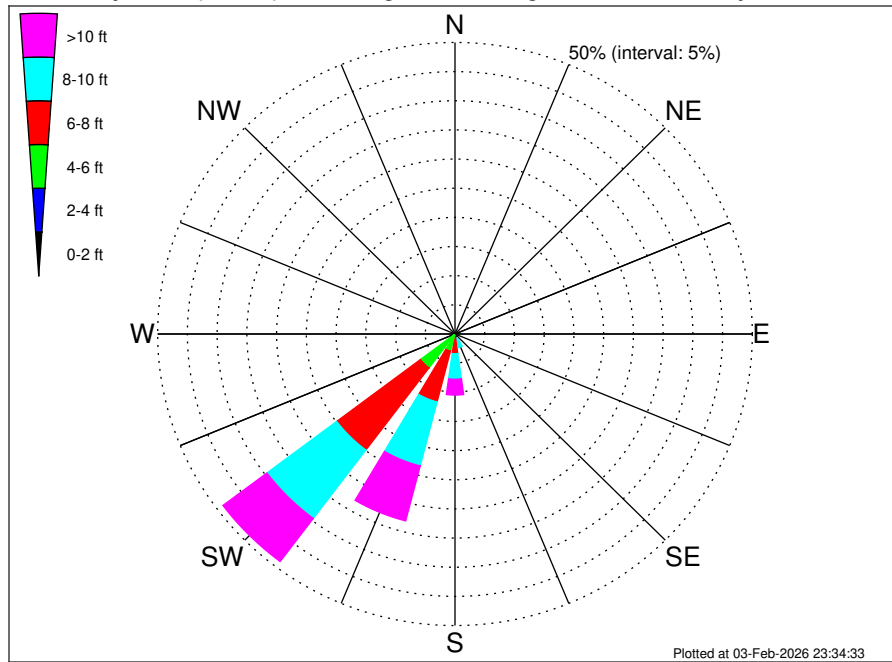
Swell: 93.74%



February Wind Speed PDF: 1979 - 2015



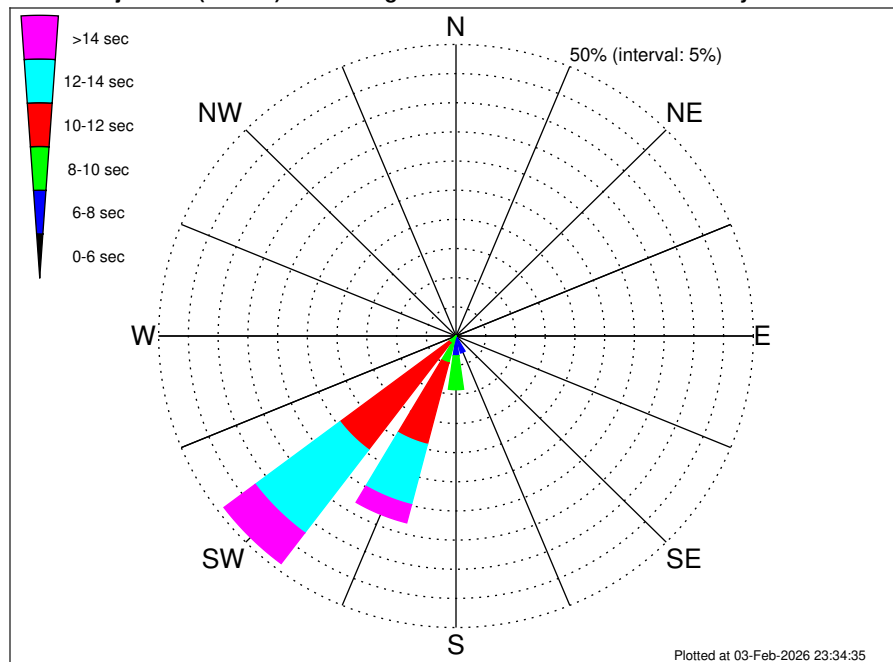
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for February: 1979 - 2015



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	0.23	0.27	0.09	0.04	0.04	•	•	0.68
4 - 6 ft	•	•	•	•	•	•	•	0.01	0.64	2.81	7.01	0.87	0.13	0.17	0.31	•	11.96
6 - 8 ft	•	•	•	•	•	•	•	0.74	2.73	8.99	17.64	0.86	0.21	0.29	0.23	•	31.68
8 - 10 ft	•	•	•	•	•	•	•	1.64	4.38	11.34	14.70	0.53	0.11	0.03	0.10	•	32.83
10 - 12 ft	•	•	•	•	•	•	•	0.86	1.76	6.81	6.19	0.14	•	0.01	0.01	•	15.78
12 - 14 ft	•	•	•	•	•	•	•	0.03	0.83	2.38	2.53	0.09	•	•	•	•	5.85
14 - 16 ft	•	•	•	•	•	•	•	0.01	0.10	0.50	0.53	•	•	•	•	•	1.14
16 - 18 ft	•	•	•	•	•	•	•	•	0.03	0.04	•	•	•	•	•	•	0.07
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	3.30	10.47	33.11	48.86	2.57	0.50	0.54	0.66	•	100.00

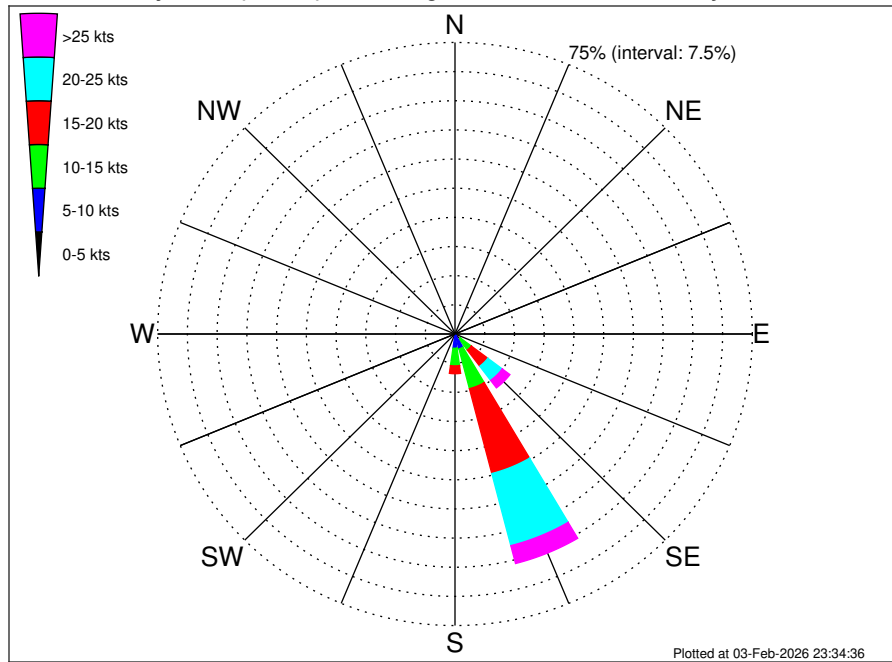
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for February: 1979 - 2015



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	•	•	•	•	•	•	•	0.39	0.13	•	•	•	•	•	•	•	0.51
6 - 8 sec	•	•	•	•	•	•	•	2.63	3.28	0.29	•	•	•	•	•	•	6.19
8 - 10 sec	•	•	•	•	•	•	•	0.29	5.81	4.48	1.46	•	•	•	•	•	12.03
10 - 12 sec	•	•	•	•	•	•	•	•	1.10	14.44	22.97	0.71	0.03	•	•	•	39.26
12 - 14 sec	•	•	•	•	•	•	•	•	0.16	10.67	17.85	1.04	0.19	0.16	•	•	30.07
14 - 16 sec	•	•	•	•	•	•	•	•	•	2.81	5.34	0.60	0.29	0.26	0.37	•	9.66
18 - 20 sec	•	•	•	•	•	•	•	•	•	0.40	1.07	0.19	•	0.07	0.17	•	1.90
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.01	0.17	0.03	•	0.06	0.11	•	0.39
Total	•	•	•	•	•	•	•	3.30	10.47	33.11	48.86	2.57	0.50	0.54	0.66	•	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for February: 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	0.03	0.01	•	0.01	•	0.17
0 - 5 kts	0.10	0.04	0.07	0.14	0.09	0.19	0.26	0.43	0.63	0.47	0.50	0.49	0.36	0.40	0.17	0.21	4.54
5 - 10 kts	0.03	0.03	•	0.07	0.16	0.31	1.47	3.52	3.05	1.64	0.74	0.50	0.57	0.41	0.57	0.19	13.27
10 - 15 kts	0.06	•	•	•	0.01	0.24	3.42	10.57	4.52	0.63	0.06	0.07	0.03	0.20	0.44	0.21	20.48
15 - 20 kts	•	•	•	•	•	0.04	5.21	22.55	2.01	0.04	•	•	•	•	0.21	0.14	30.21
20 - 25 kts	•	•	•	•	0.01	0.01	4.57	19.16	0.39	•	•	•	•	•	•	0.01	24.16
25 - 30 kts	•	•	•	•	•	0.01	2.15	4.42	•	•	•	•	•	•	•	•	6.59
30 - 35 kts	•	•	•	•	•	•	0.26	0.33	•	•	•	•	•	•	•	•	0.59
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.19	0.07	0.09	0.23	0.27	0.83	17.35	60.99	10.60	2.81	1.33	1.08	0.97	1.01	1.41	0.77	100.00