

Angola Namibia CRS Oranjemund (BU-OR) - August

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 25.6 days Range: 23.3 - 27.9 days p50:26 days p75:24.5 days p90:22.5 days
Wave Height > 6.5 ft Mean: 20.6 days Range: 17.7 - 23.6 days p50:21.5 days p75:18.5 days p90:16.5 days
Wave Height > 8.0 ft Mean: 14.4 days Range: 11.5 - 17.3 days p50:14.5 days p75:13.5 days p90:10.5 days

Wind Speed > 15.0 knots Mean: 14.6 days Range: 11.4 - 17.8 days p50:15 days p75:12.5 days p90:10.5 days
Wind Speed > 20.0 knots Mean: 8.4 days Range: 6.0 - 10.8 days p50:8 days p75:7 days p90:6 days
Wind Speed > 25.0 knots Mean: 3.2 days Range: 1.7 - 4.6 days p50:3.5 days p75:2.5 days p90:1.5 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 1.6 times per month A 2 day or longer window will statistically occur 0.7 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 3.1 times per month A 2 day or longer window will statistically occur 1.8 times per month A 3 day or longer window will statistically occur 1.1 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: 3% / 97%

Winds

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

Currents

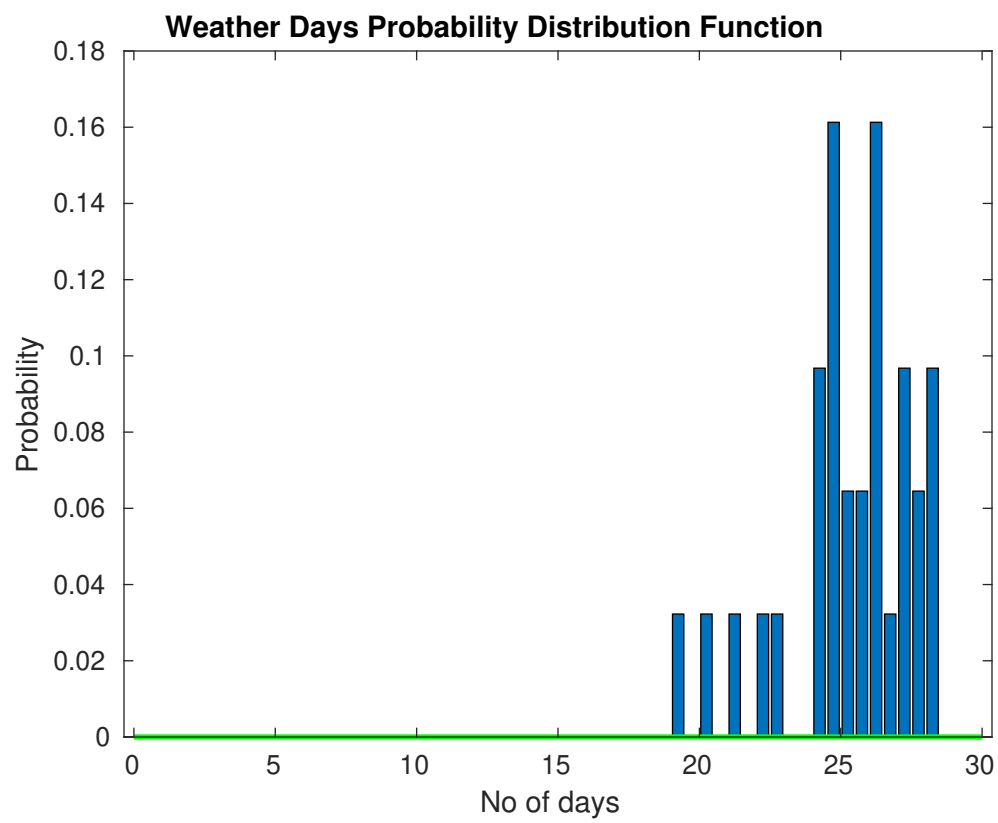
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.00-1.25 kts, but rarely greater.
Principle Direction, to: NW

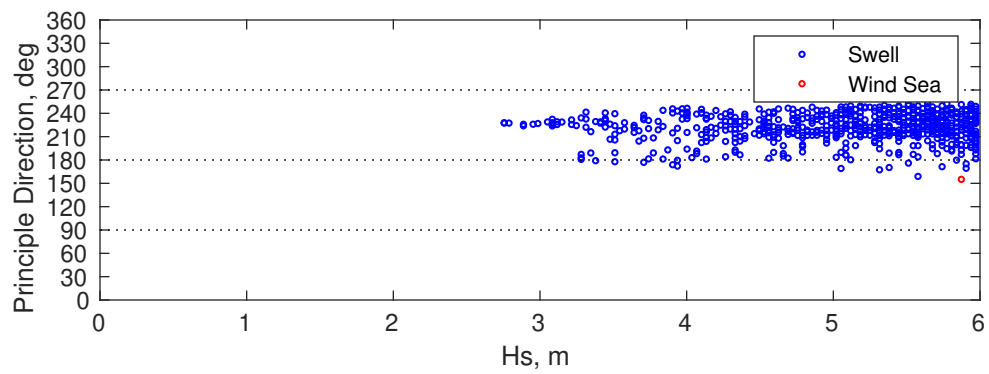
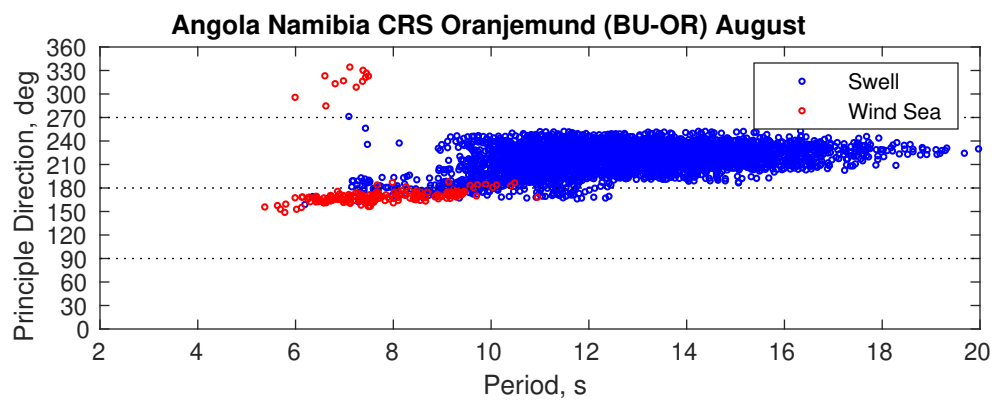
Weather Days

Current Speed > 0.5 knots Mean: 9.1 days Range: 4.6 - 13.7 days p50:8 days p75:6 days p90:4 days
Current Speed > 1.0 knots Mean: 0.6 days Range: 0.0 - 2.3 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

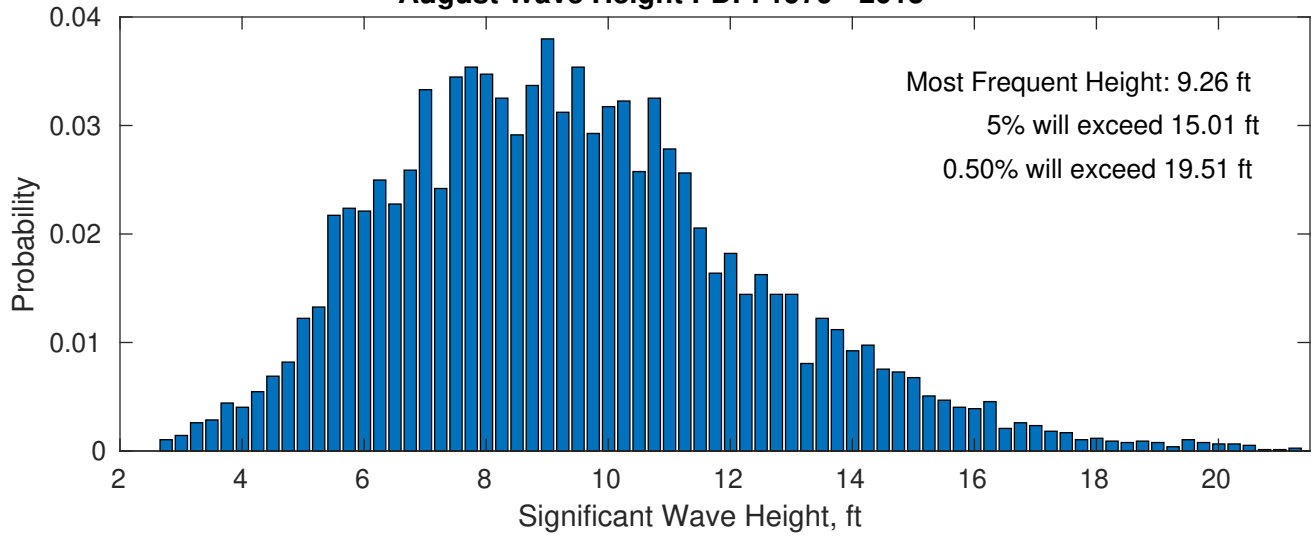
Severe Storms

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

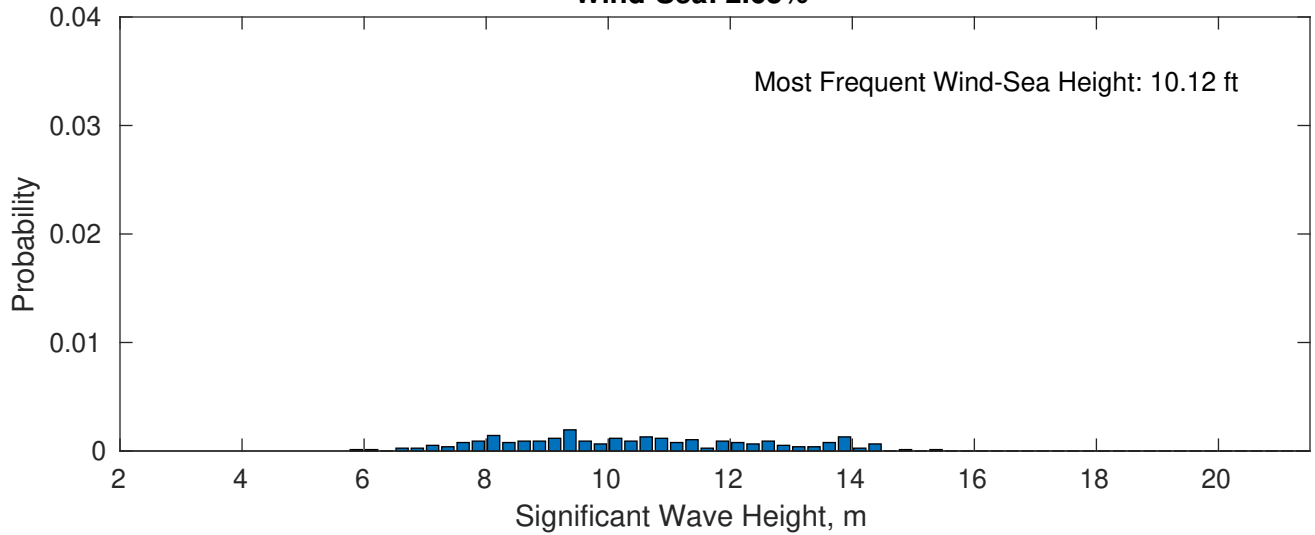




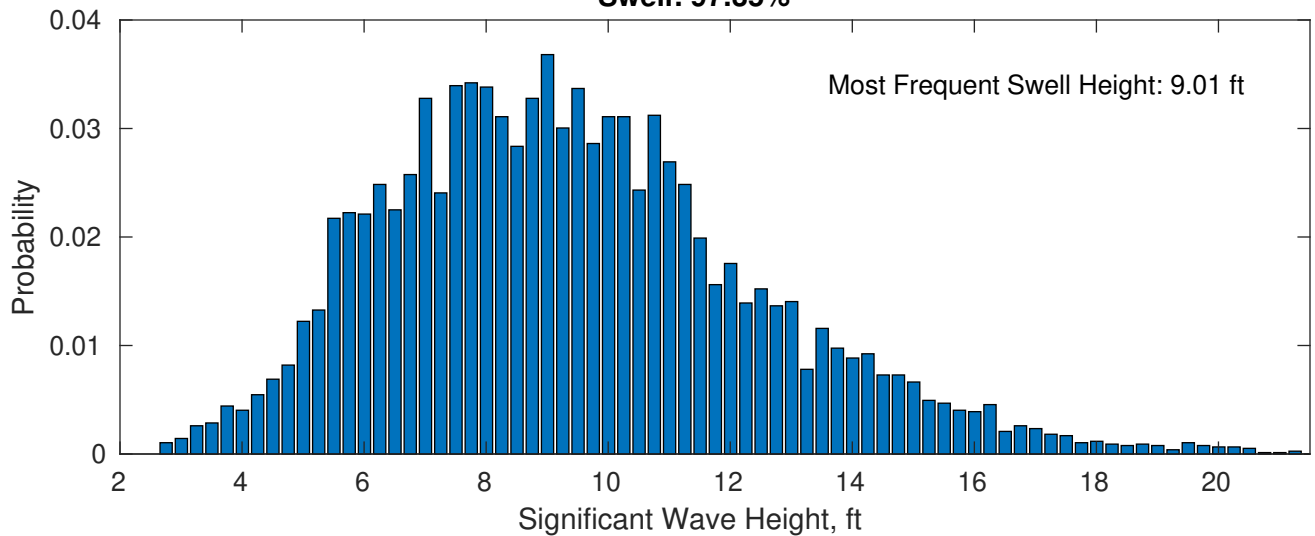
August Wave Height PDF: 1979 - 2015



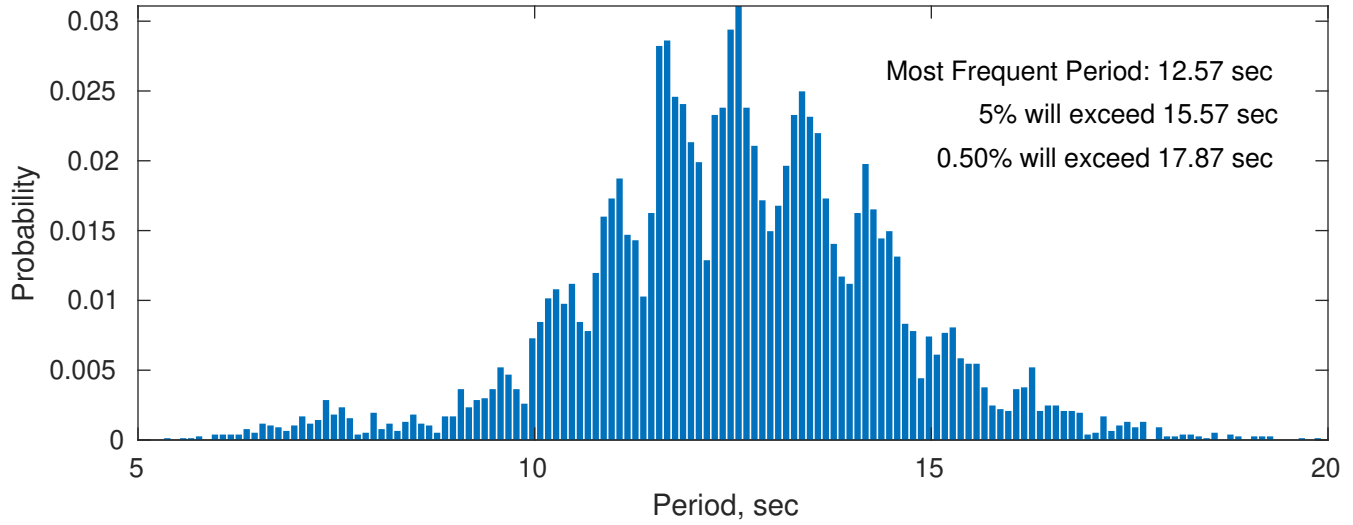
Wind-Sea: 2.65%



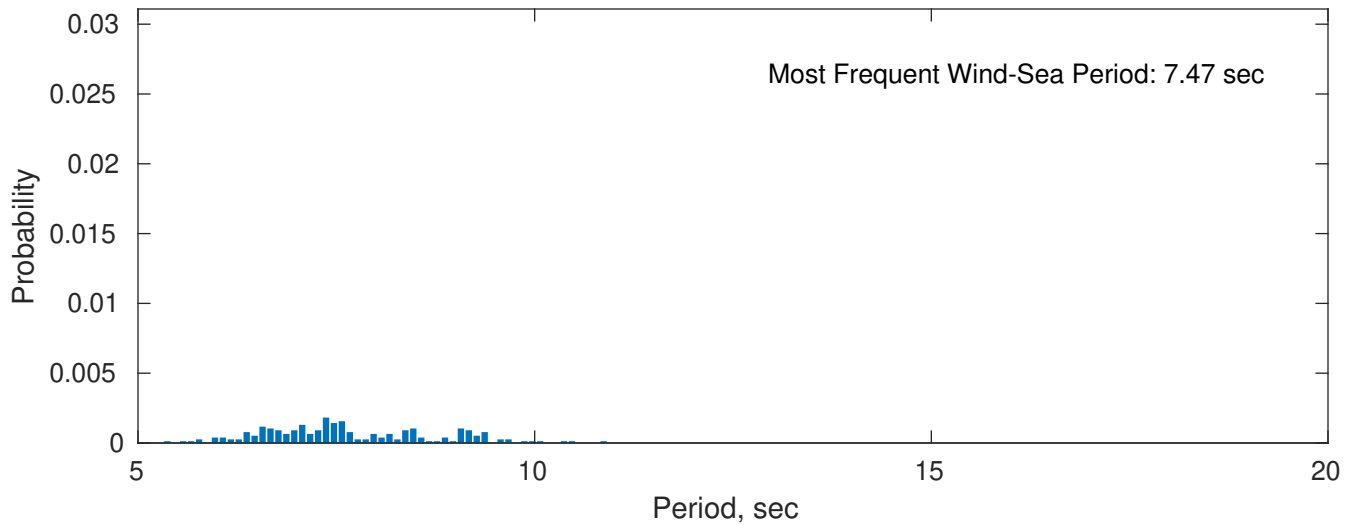
Swell: 97.35%



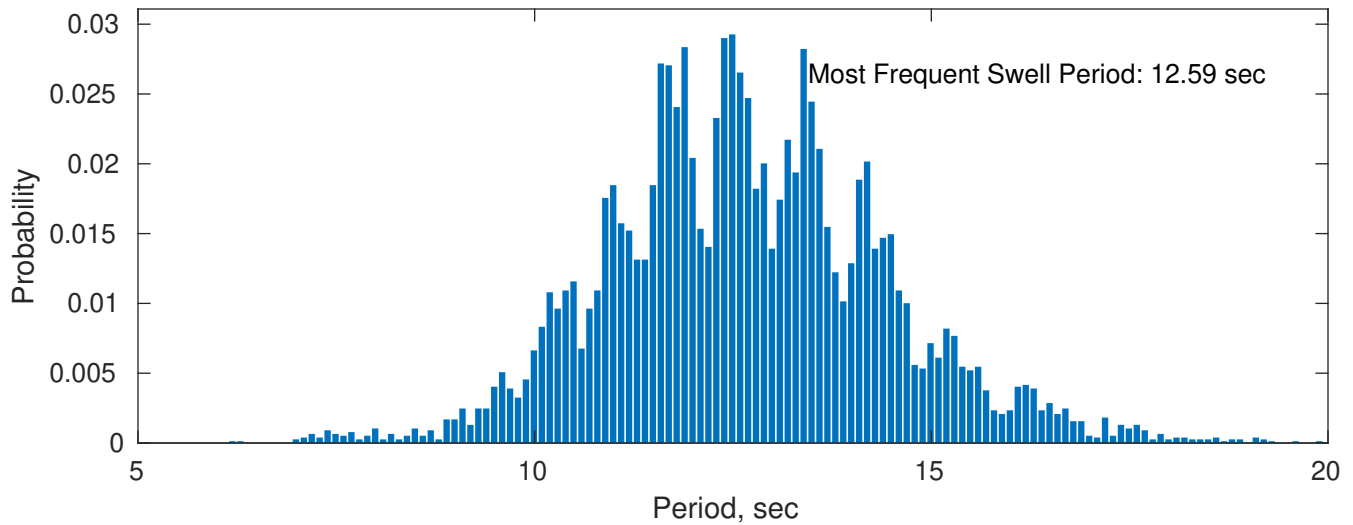
August Peak Wave Period PDF: 1979 - 2015



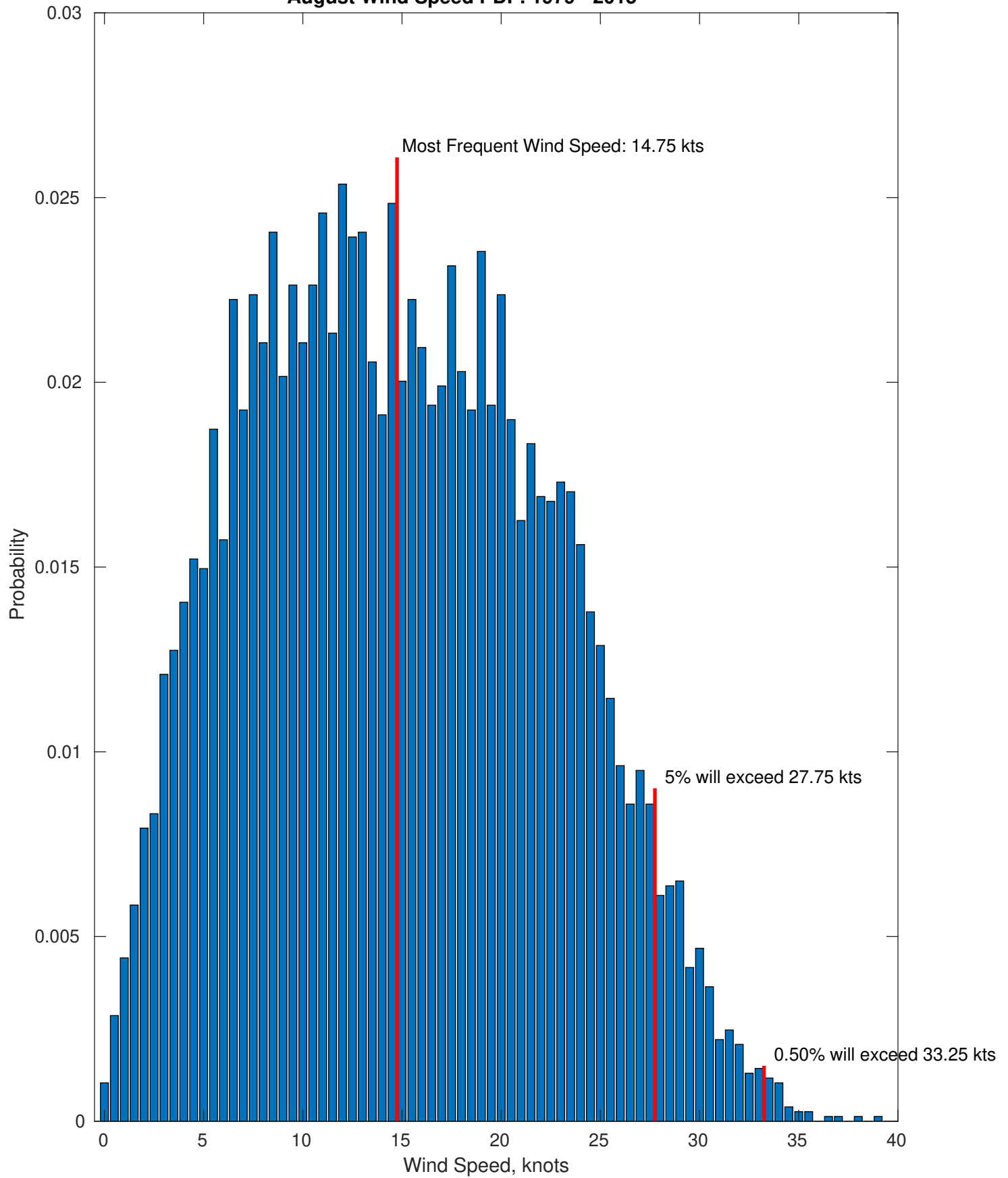
Wind-Sea: 2.65%



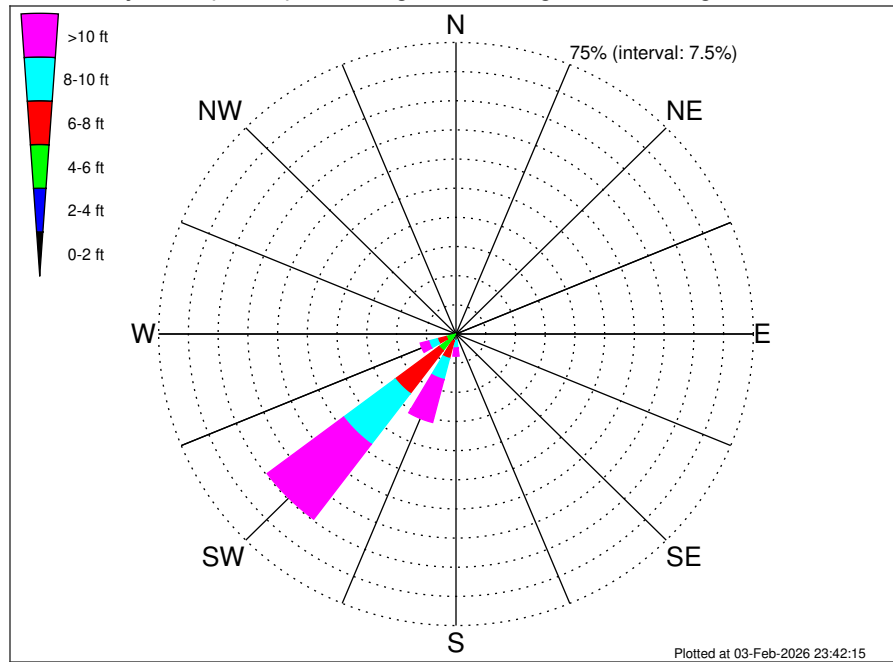
Swell: 97.35%



August Wind Speed PDF: 1979 - 2015



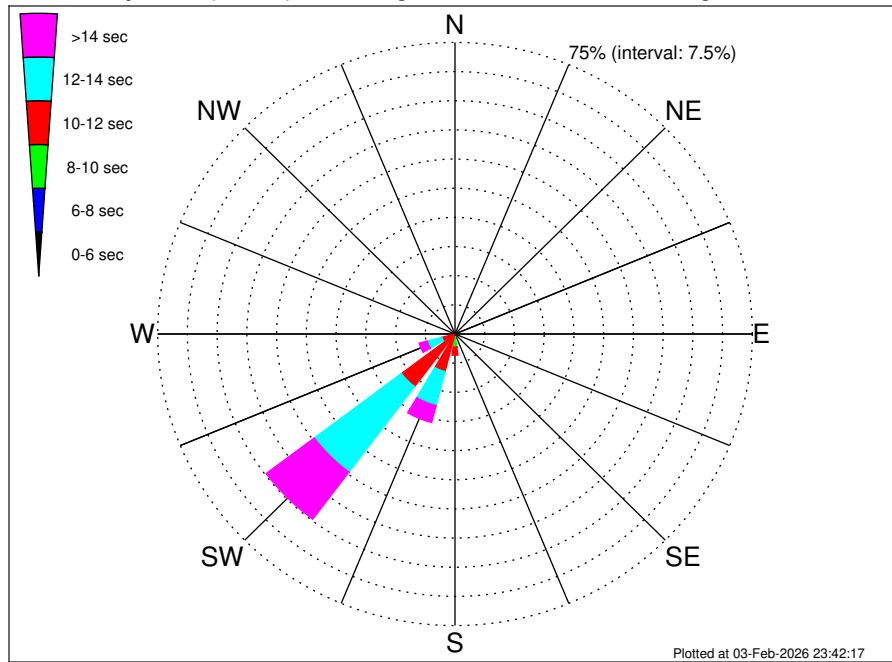
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for August: 1979 - 2015



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	•	•	•	•	•	•	•	•	0.21	0.10	0.64	0.20	•	•	•	•	1.14
4 - 6 ft	•	•	•	•	•	•	•	0.04	0.46	1.69	4.71	2.35	•	•	•	•	9.25
6 - 8 ft	•	•	•	•	•	•	•	0.22	1.01	4.72	13.85	2.28	•	•	•	•	22.09
8 - 10 ft	•	•	•	•	•	•	•	0.72	1.93	5.58	16.32	2.29	0.01	0.03	•	•	26.87
10 - 12 ft	•	•	•	•	•	•	•	0.31	1.51	5.72	12.47	1.18	•	•	0.07	•	21.27
12 - 14 ft	•	•	•	•	•	•	•	0.26	0.52	3.43	6.11	0.53	•	•	0.03	0.04	10.93
14 - 16 ft	•	•	•	•	•	•	•	0.05	0.09	1.47	3.50	0.33	•	•	•	•	5.44
16 - 18 ft	•	•	•	•	•	•	•	•	•	0.33	1.50	0.18	•	•	•	•	2.00
> 18 ft	•	•	•	•	•	•	•	•	•	0.47	0.55	•	•	•	•	•	1.01
Total	•	•	•	•	•	•	•	1.60	5.72	23.52	59.65	9.34	0.01	0.03	0.09	0.04	100.00

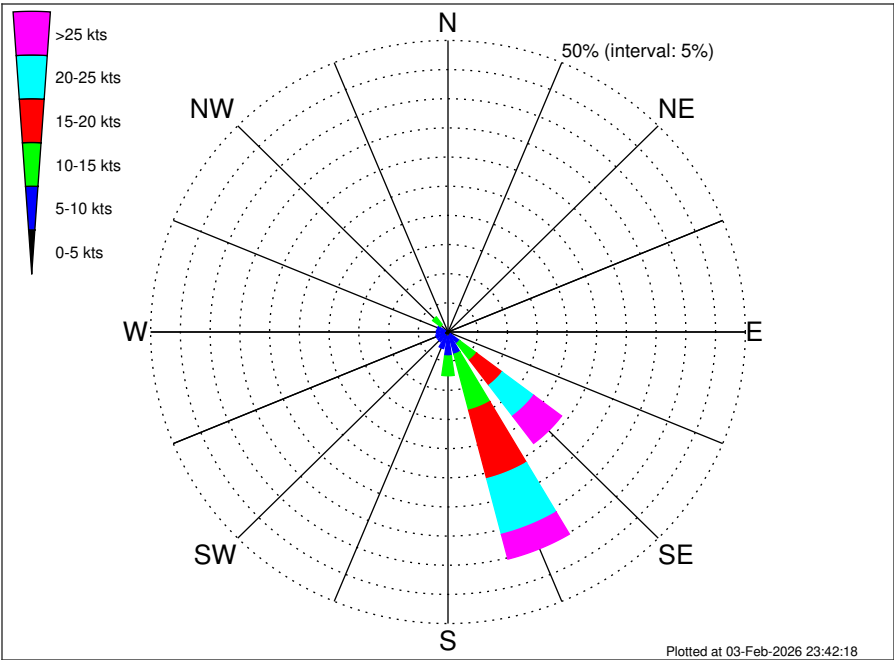
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for August: 1979 - 2015



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	.	.	.	.	.	.	.	0.08	.	.	.	.	.	0.01	.	.	0.09
6 - 8 sec	.	.	.	.	.	.	.	1.13	0.83	0.04	0.01	0.01	0.01	0.01	0.09	0.04	2.19
8 - 10 sec	.	.	.	.	.	.	.	0.25	2.54	1.01	0.61	0.31	.	.	.	.	4.72
10 - 12 sec	.	.	.	.	.	.	.	0.10	2.09	8.95	16.31	3.11	.	.	.	.	30.57
12 - 14 sec	.	.	.	.	.	.	.	0.04	0.16	9.01	27.54	3.79	.	.	.	.	40.53
14 - 16 sec	.	.	.	.	.	.	.	.	0.10	3.86	12.30	1.65	.	.	.	.	17.92
18 - 20 sec	.	.	.	.	.	.	.	.	.	0.62	2.48	0.46	.	.	.	.	3.56
22 - 24 sec	.	.	.	.	.	.	.	.	.	0.01	0.39	0.01	.	.	.	.	0.42
Total	.	.	.	.	.	.	.	1.60	5.72	23.52	59.65	9.34	0.01	0.03	0.09	0.04	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for August: 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	0.04	0.03	0.05	0.03	0.03	0.03	•	0.01	0.04	0.03	0.03	•	•	0.03	0.39
0 - 5 kts	0.44	0.27	0.30	0.25	0.26	0.39	0.48	0.64	0.86	0.77	0.66	0.72	0.65	0.48	0.43	0.47	8.06
5 - 10 kts	0.42	0.25	0.12	0.20	0.26	0.79	1.94	3.28	3.26	2.16	1.39	1.37	1.27	1.40	1.21	0.81	20.12
10 - 15 kts	0.25	0.01	0.01	0.03	0.03	0.30	3.56	9.91	3.38	0.59	0.35	0.25	0.47	0.78	1.61	1.22	22.75
15 - 20 kts	0.09	•	0.04	•	•	0.12	5.42	12.14	0.81	0.07	0.05	0.07	0.05	0.34	0.79	0.83	20.81
20 - 25 kts	0.01	•	•	•	•	0.04	6.62	9.86	0.13	0.01	0.04	0.01	0.01	0.05	0.16	0.39	17.34
25 - 30 kts	0.01	•	•	•	•	•	4.63	3.59	•	•	•	•	•	0.03	0.03	0.09	8.38
30 - 35 kts	•	•	•	•	•	•	1.14	0.78	0.01	•	•	•	•	•	•	0.10	2.04
35 - 40 kts	•	•	•	•	•	•	0.09	0.01	•	•	•	•	•	•	•	•	0.10
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.25	0.57	0.51	0.49	0.60	1.66	23.92	40.23	8.45	3.60	2.54	2.43	2.48	3.08	4.23	3.94	100.00