

Angola Namibia CRS Oranjemund (BU-OR) - June

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 25.2 days Range: 23.1 - 27.3 days p50:25 days p75:23.5 days p90:22.5 days
Wave Height > 6.5 ft Mean: 19.0 days Range: 15.8 - 22.2 days p50:19 days p75:17.5 days p90:15 days
Wave Height > 8.0 ft Mean: 12.5 days Range: 9.1 - 15.9 days p50:12.5 days p75:9.5 days p90:8.5 days

Wind Speed > 15.0 knots Mean: 11.9 days Range: 9.0 - 14.8 days p50:11.5 days p75:10.5 days p90:9 days
Wind Speed > 20.0 knots Mean: 6.2 days Range: 4.1 - 8.3 days p50:6 days p75:5.5 days p90:4.5 days
Wind Speed > 25.0 knots Mean: 2.1 days Range: 0.9 - 3.3 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 0.4 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 1.8 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 1.9 times per month A 3 day or longer window will statistically occur 1.0 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: 1% / 99%

Winds

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

Currents

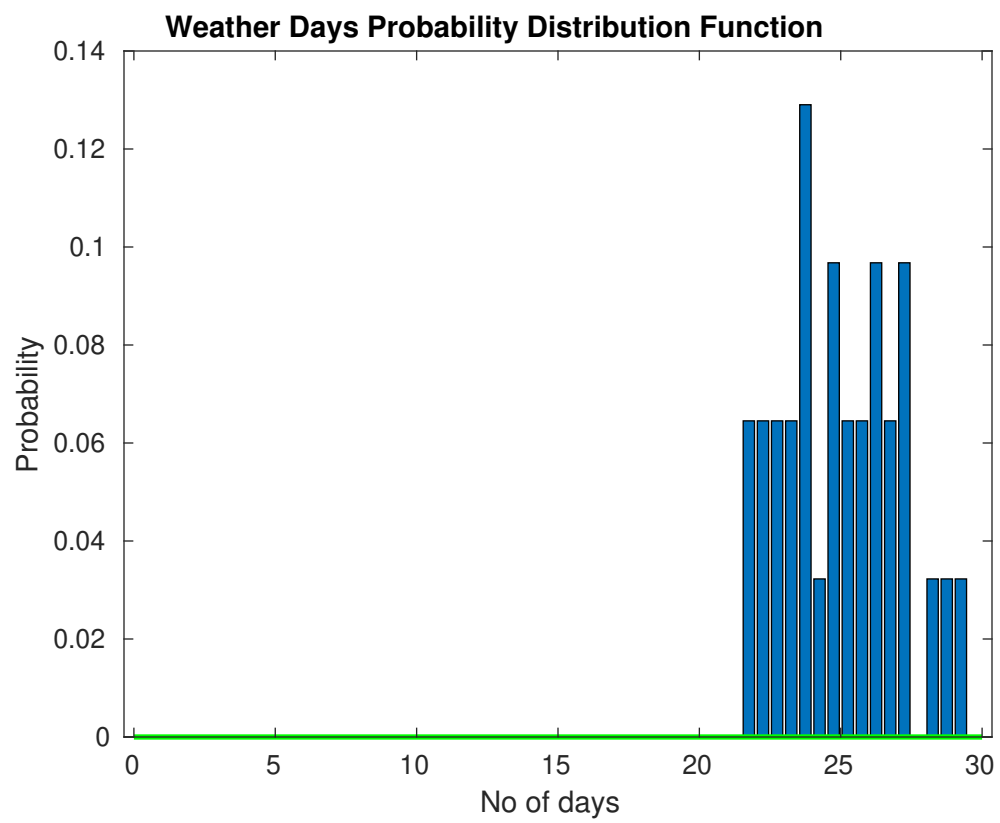
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.00-1.25 kts, but rarely greater.
Principle Direction, to: NW

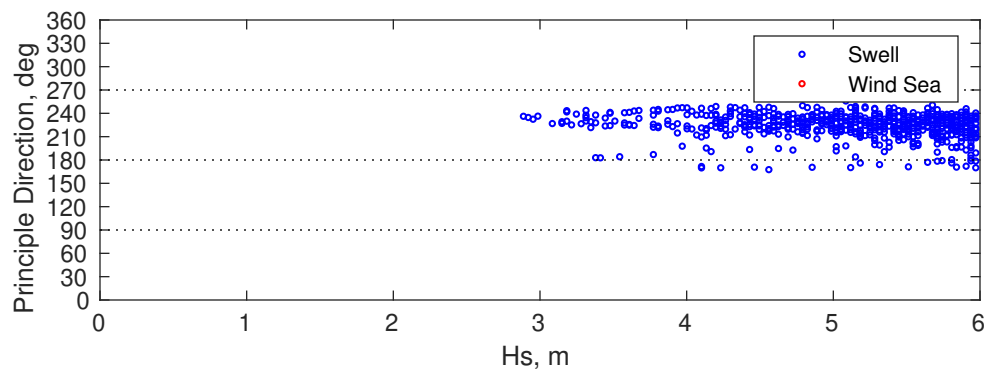
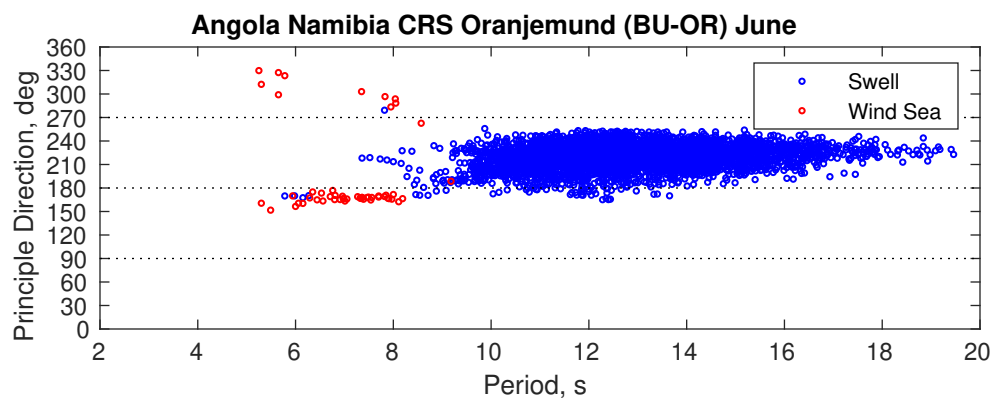
Weather Days

Current Speed > 0.5 knots Mean: 6.2 days Range: 2.1 - 10.3 days p50:6 days p75:4 days p90:2 days
Current Speed > 1.0 knots Mean: 0.4 days Range: 0.0 - 1.3 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

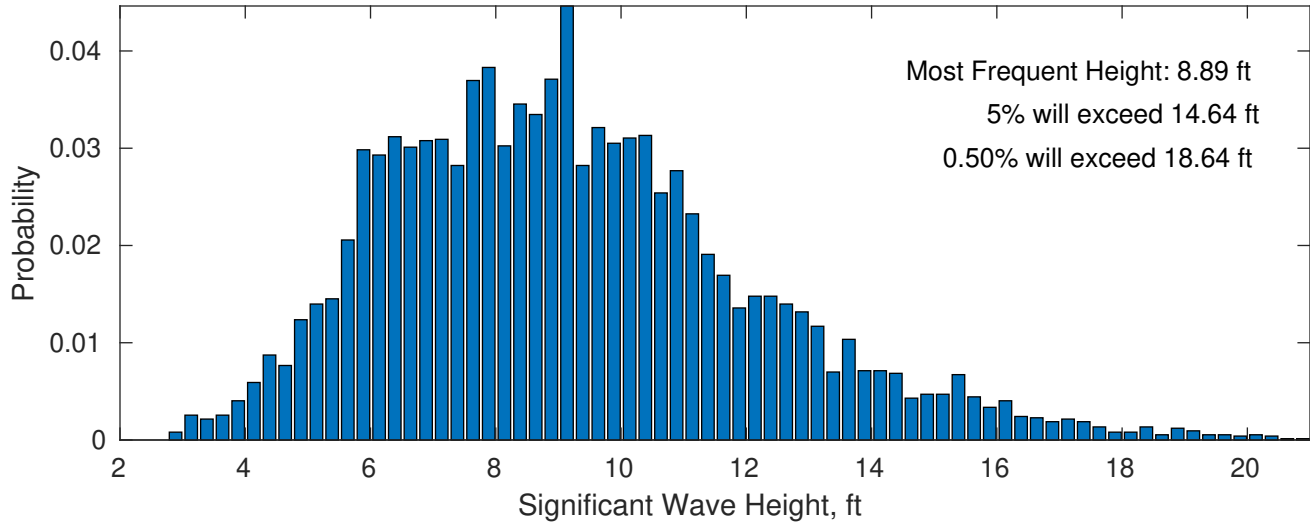
Severe Storms

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

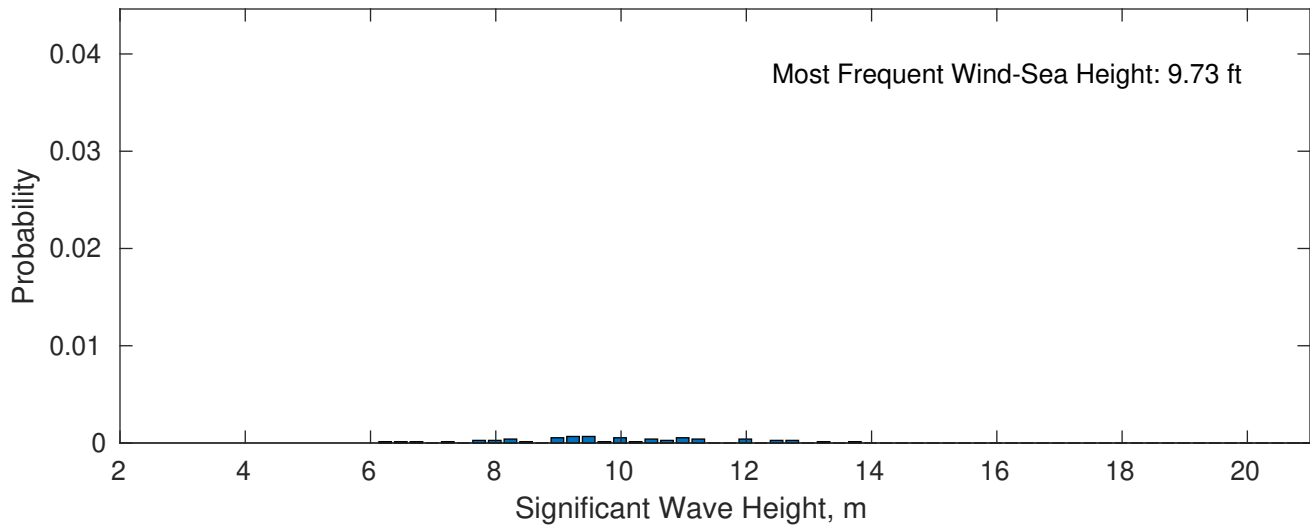




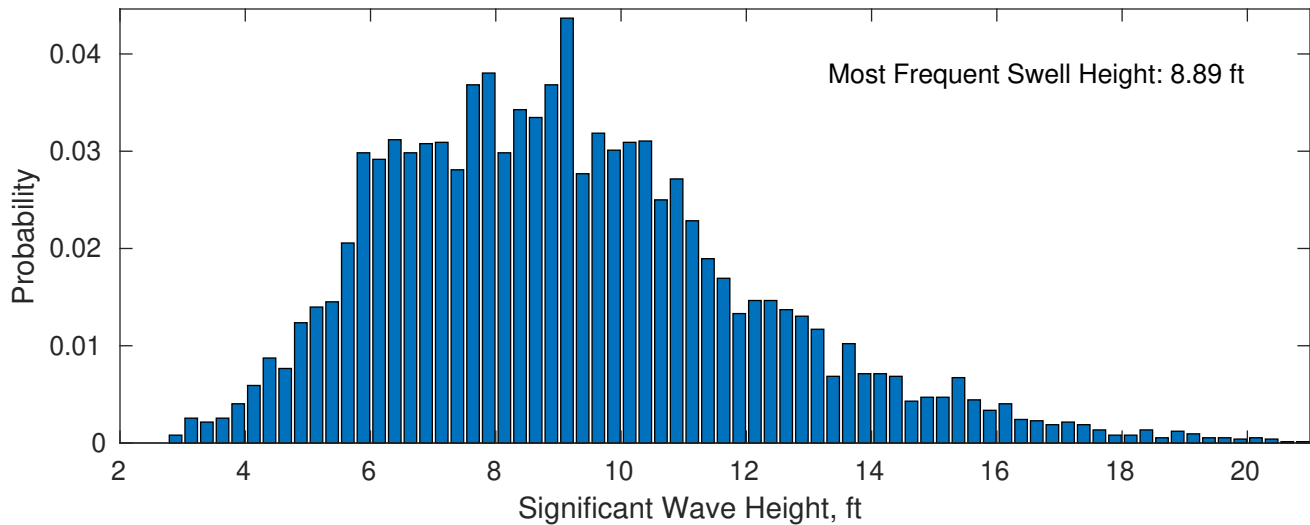
June Wave Height PDF: 1979 - 2015



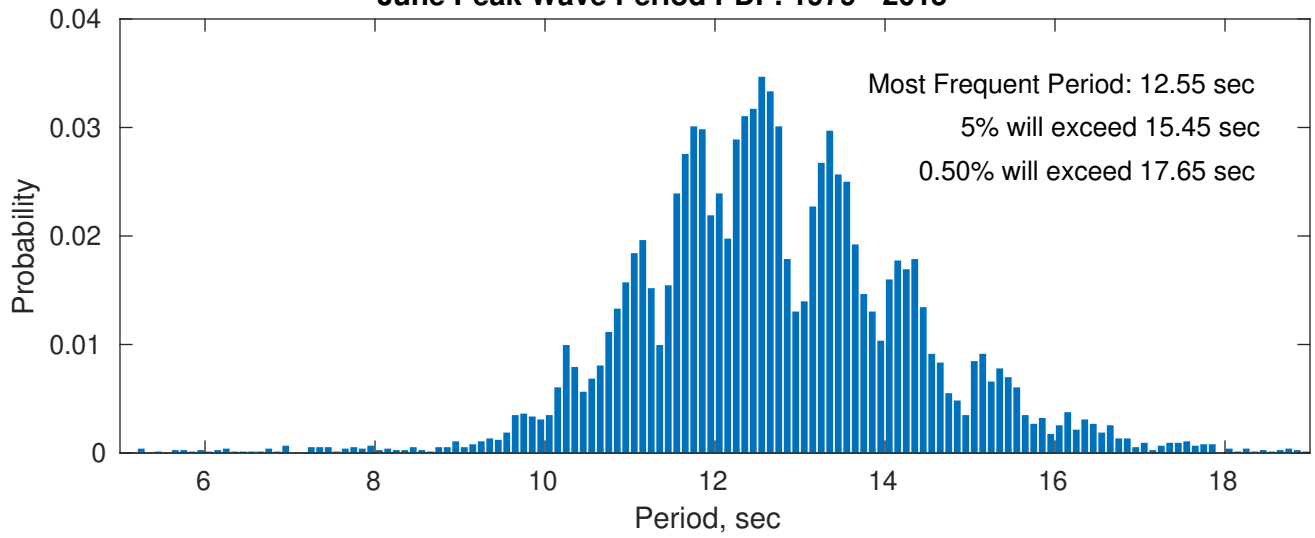
Wind-Sea: 0.71%



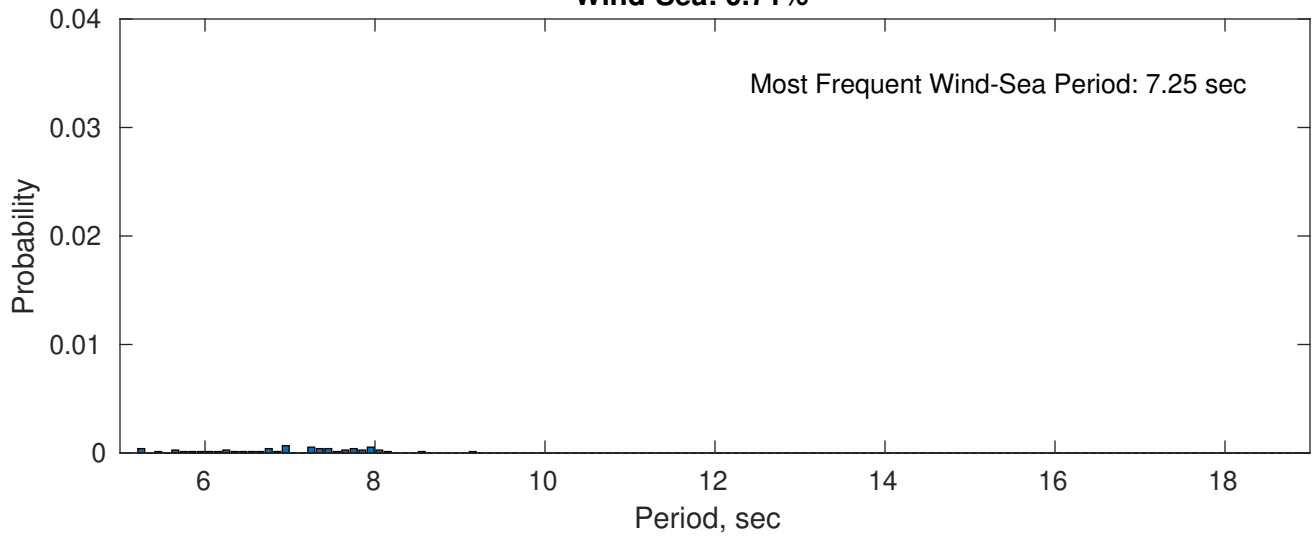
Swell: 99.29%



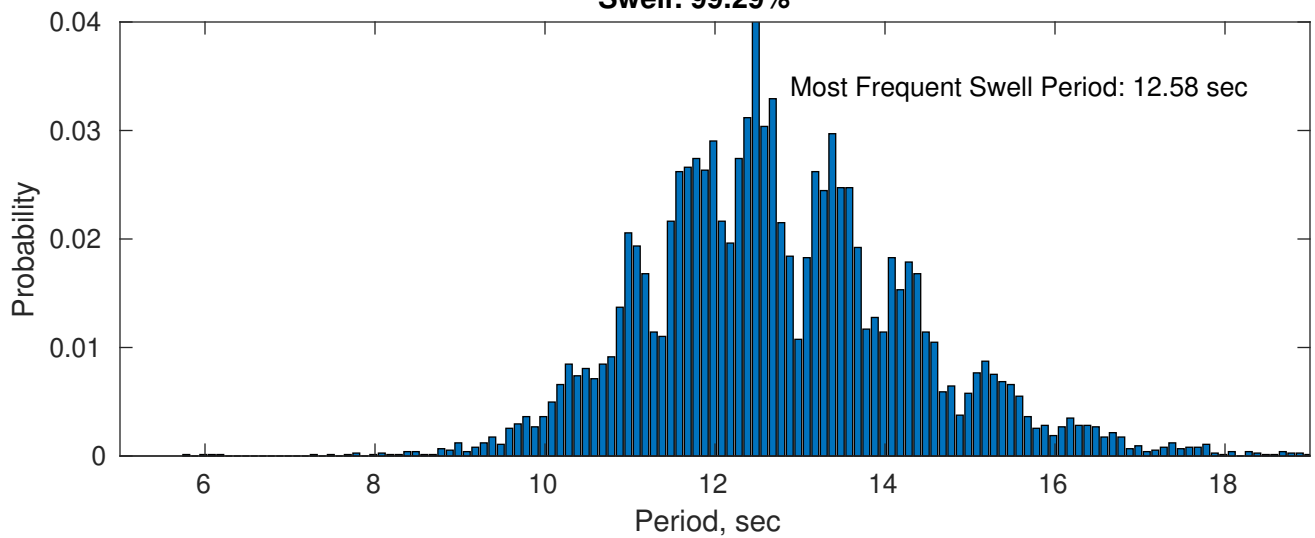
June Peak Wave Period PDF: 1979 - 2015



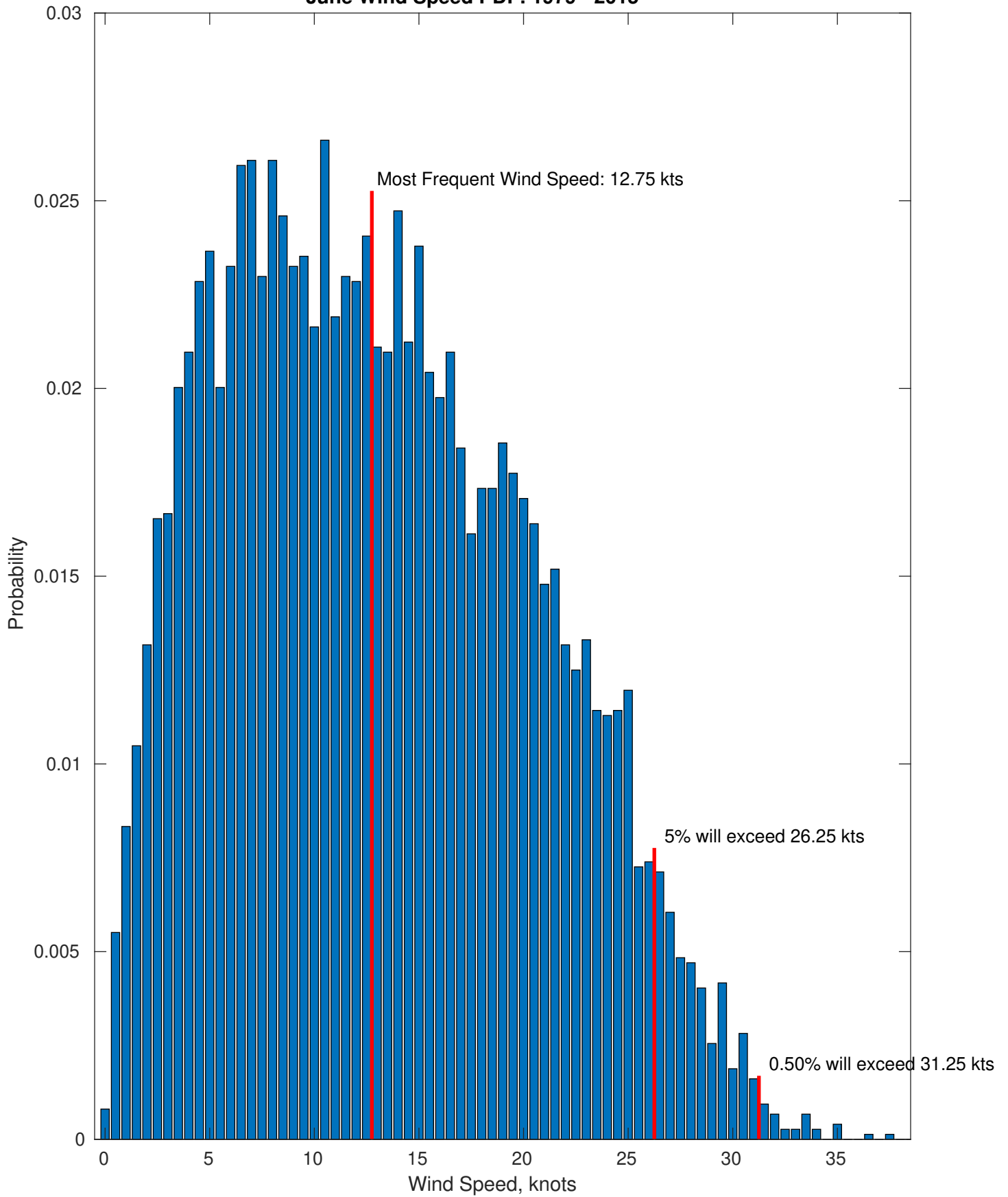
Wind-Sea: 0.71%



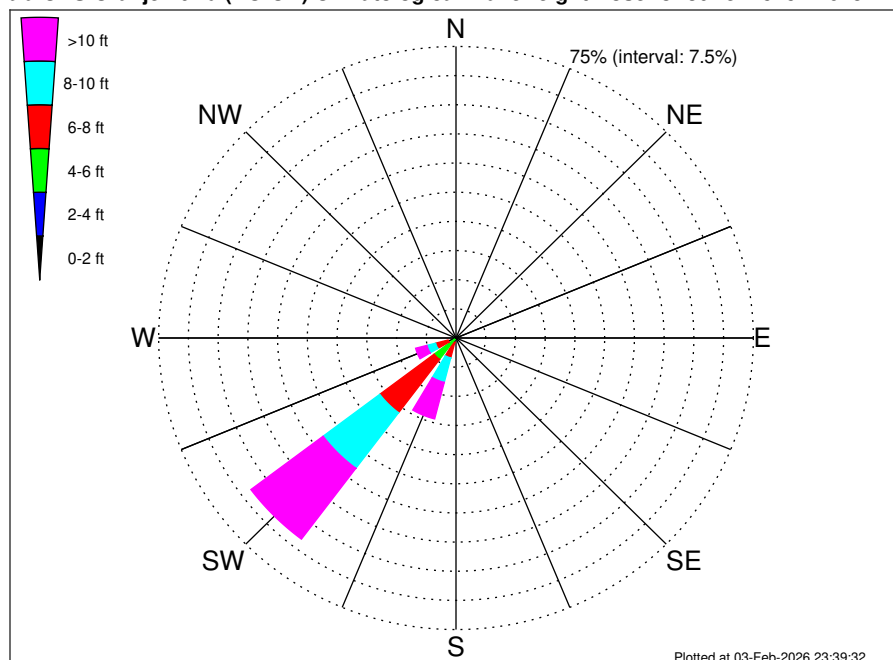
Swell: 99.29%



June Wind Speed PDF: 1979 - 2015



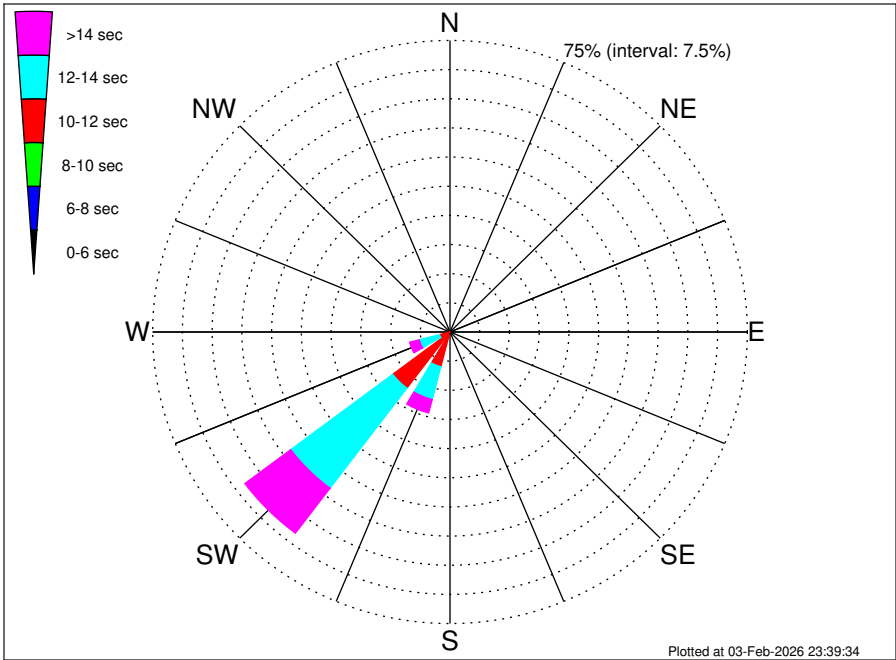
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for June: 1979 - 2015



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	•	•	•	•	•	•	•	•	0.05	0.01	0.51	0.34	•	•	•	•	0.91
4 - 6 ft	•	•	•	•	•	•	•	0.01	0.35	1.17	6.38	1.73	•	•	•	•	9.65
6 - 8 ft	•	•	•	•	•	•	•	0.05	0.44	4.11	17.18	3.24	•	0.01	0.01	0.01	25.07
8 - 10 ft	•	•	•	•	•	•	•	0.20	0.86	6.51	17.90	2.26	•	•	0.01	0.01	27.76
10 - 12 ft	•	•	•	•	•	•	•	0.12	0.60	4.96	12.77	1.37	0.01	0.07	•	•	19.91
12 - 14 ft	•	•	•	•	•	•	•	0.08	0.15	2.92	5.54	0.90	0.01	•	•	•	9.60
14 - 16 ft	•	•	•	•	•	•	•	•	0.09	1.13	2.78	0.47	•	•	•	•	4.48
16 - 18 ft	•	•	•	•	•	•	•	•	•	0.47	1.21	0.15	•	•	•	•	1.83
> 18 ft	•	•	•	•	•	•	•	•	•	0.23	0.51	0.07	•	•	•	•	0.81
Total	•	•	•	•	•	•	•	0.47	2.55	21.51	64.78	10.52	0.03	0.08	0.03	0.03	100.00

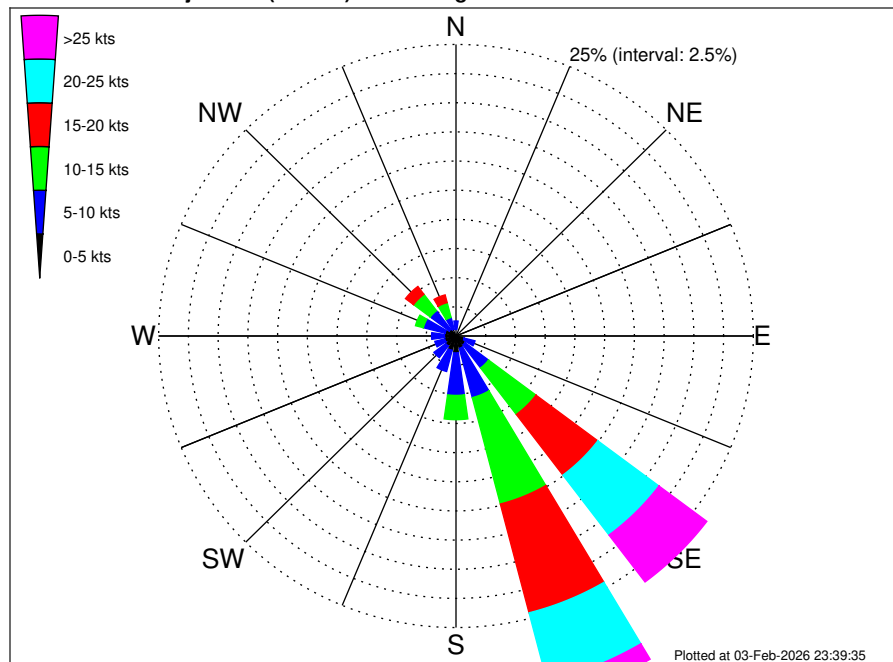
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for June: 1979 - 2015



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	.	.	.	.	.	.	.	0.04	0.04	.	.	.	.	0.01	0.03	0.03	0.15
6 - 8 sec	.	.	.	.	.	.	.	0.34	0.16	0.01	0.05	.	0.01	0.04	.	.	0.62
8 - 10 sec	.	.	.	.	.	.	.	0.03	0.52	0.95	0.66	0.09	0.01	0.03	.	.	2.30
10 - 12 sec	.	.	.	.	.	.	.	.	0.93	8.25	17.37	2.65	.	.	.	.	29.19
12 - 14 sec	.	.	.	.	.	.	.	0.07	0.79	8.71	32.23	5.28	.	.	.	.	47.08
14 - 16 sec	.	.	.	.	.	.	.	.	0.11	3.16	12.00	2.12	.	.	.	.	17.39
18 - 20 sec	.	.	.	.	.	.	.	.	.	0.40	2.16	0.36	.	.	.	.	2.93
22 - 24 sec	.	.	.	.	.	.	.	.	.	0.01	0.31	0.01	.	.	.	.	0.34
Total	.	.	.	.	.	.	.	0.47	2.55	21.51	64.78	10.52	0.03	0.08	0.03	0.03	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for June: 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	0.07	0.03	0.05	0.01	0.03	0.04	0.05	0.05	0.03	0.04	0.05	0.05	0.03	0.63
0 - 5 kts	0.54	0.46	0.42	0.58	0.56	0.66	0.94	1.06	1.41	1.22	1.02	0.95	0.93	0.90	0.66	0.59	12.90
5 - 10 kts	0.73	0.58	0.39	0.43	0.42	0.94	2.47	4.37	3.64	1.87	1.25	0.86	1.09	1.88	2.00	1.02	23.94
10 - 15 kts	0.13	0.16	0.07	0.16	0.15	0.59	5.00	9.42	2.08	0.51	0.27	0.15	0.35	0.69	1.76	1.32	22.81
15 - 20 kts	0.07	•	•	0.01	•	0.34	6.51	9.64	0.32	0.08	0.13	0.08	0.11	0.23	0.85	0.69	19.05
20 - 25 kts	•	•	•	•	•	0.11	6.44	6.12	0.01	•	0.01	0.03	0.04	0.03	0.34	0.54	13.66
25 - 30 kts	•	•	•	•	•	0.03	4.26	1.36	•	•	•	•	•	0.04	0.07	0.26	6.01
30 - 35 kts	•	•	•	•	•	0.03	0.73	0.16	•	•	•	•	•	•	•	0.03	0.94
35 - 40 kts	•	•	•	•	•	•	0.05	0.01	•	•	•	•	•	•	•	•	0.07
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.49	1.24	0.90	1.25	1.16	2.74	26.41	32.16	7.51	3.74	2.74	2.10	2.55	3.82	5.73	4.46	100.00