

Angola Namibia CRS Oranjemund (BU-OR) - October

Latitude: 27.84 S Longitude: 14.78 E

Weather Days

Wave Height > 5.0 ft Mean: 24.9 days Range: 22.9 - 26.8 days p50:25 days p75:23 days p90:22.5 days
Wave Height > 6.5 ft Mean: 19.8 days Range: 17.2 - 22.4 days p50:19.5 days p75:18 days p90:17.5 days
Wave Height > 8.0 ft Mean: 13.7 days Range: 10.8 - 16.6 days p50:13 days p75:12 days p90:11 days

Wind Speed > 15.0 knots Mean: 18.3 days Range: 15.8 - 20.9 days p50:18.5 days p75:16.5 days p90:15 days
Wind Speed > 20.0 knots Mean: 11.0 days Range: 8.7 - 13.3 days p50:11 days p75:9 days p90:8 days
Wind Speed > 25.0 knots Mean: 4.7 days Range: 3.3 - 6.1 days p50:5.5 days p75:4 days p90:3 days

Working Window

Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 0.9 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 2.4 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 0.4 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 3.6 times per month A 2 day or longer window will statistically occur 2.6 times per month A 3 day or longer window will statistically occur 1.3 times per month

Waves

Mean Height: 8 - 10 ft
The wave heights will occasionally reach 16 - 18 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: 10% / 90%

Winds

Mean Speed: 15 - 20 kts
The winds will occasionally reach 30 - 35 kts, but rarely greater.
Principle Direction, from: SSE

Currents

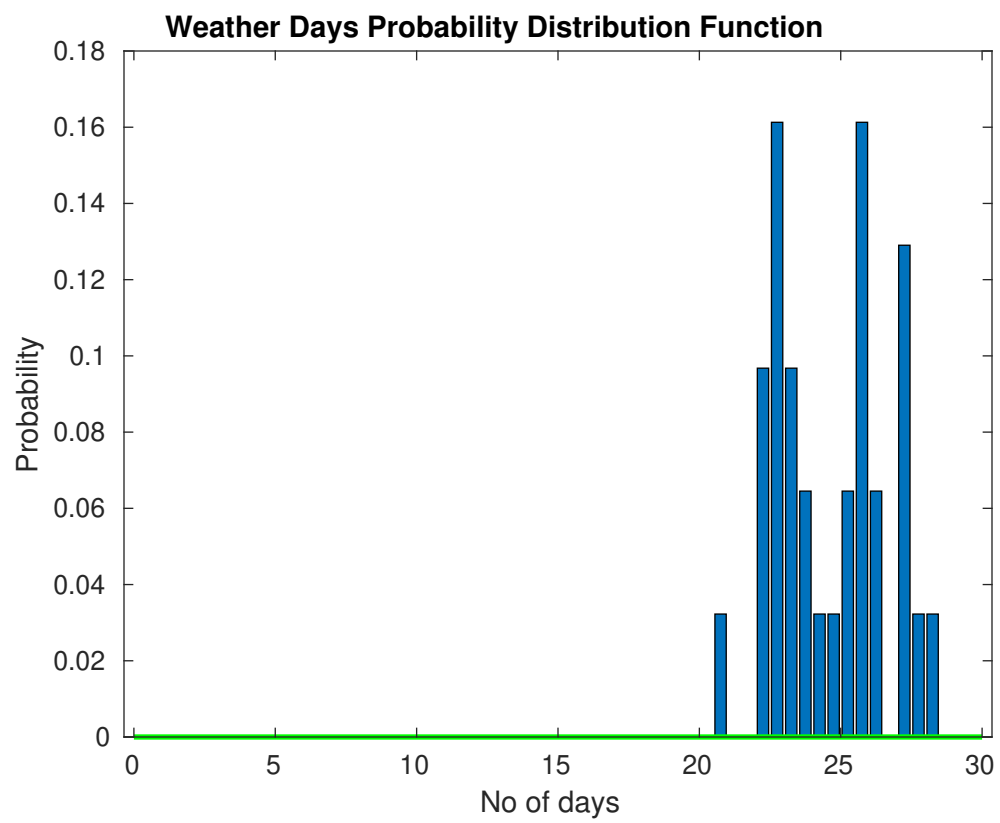
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.00-1.25 kts, but rarely greater.
Principle Direction, to: NW

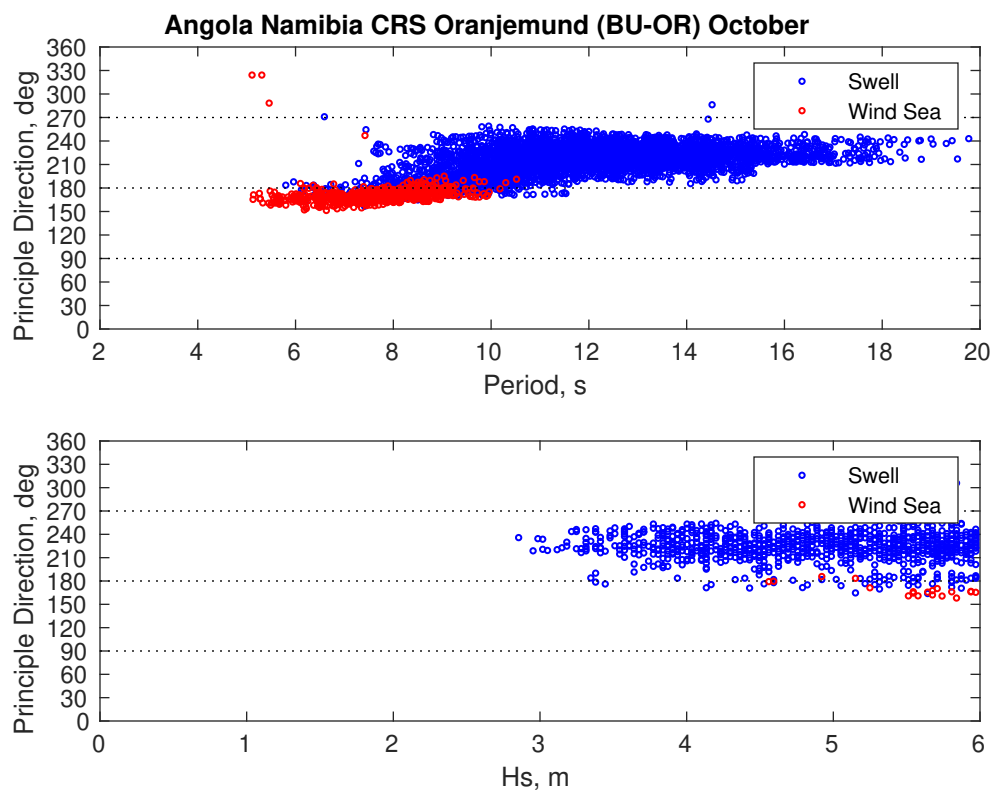
Weather Days

Current Speed > 0.5 knots Mean: 12.3 days Range: 9.3 - 15.4 days p50:13 days p75:11 days p90:10 days
Current Speed > 1.0 knots Mean: 0.7 days Range: 0.0 - 1.6 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

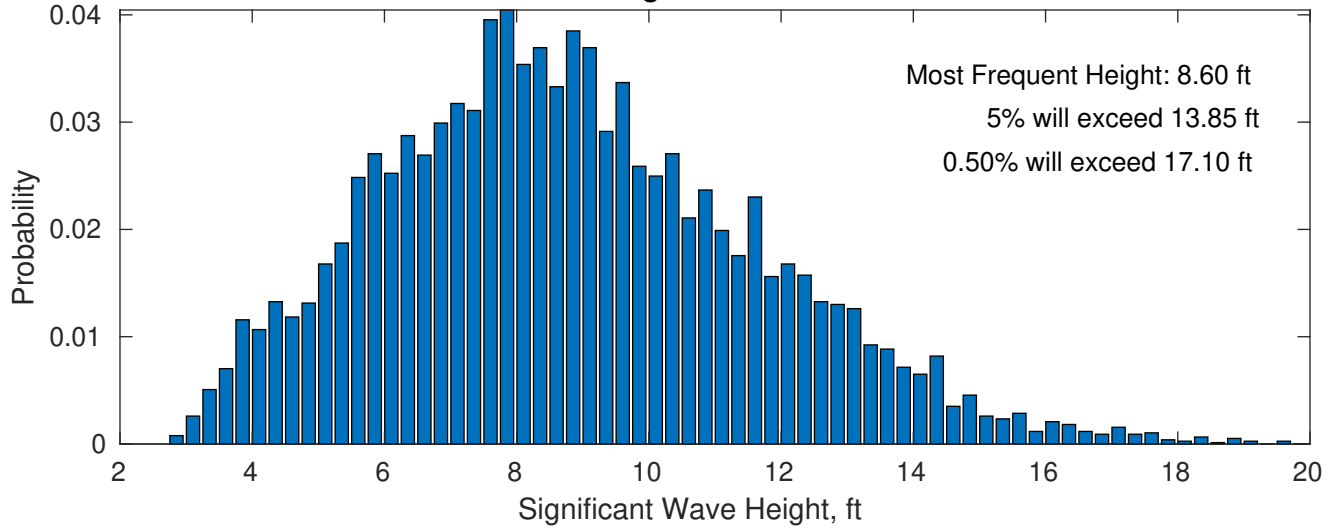
Severe Storms

There is a 13 % chance of a storm occurring in the month with winds peaking above 34 kts.
There is little chance of a storm occurring in the month with waves peaking at 4m (13 ft) or greater.

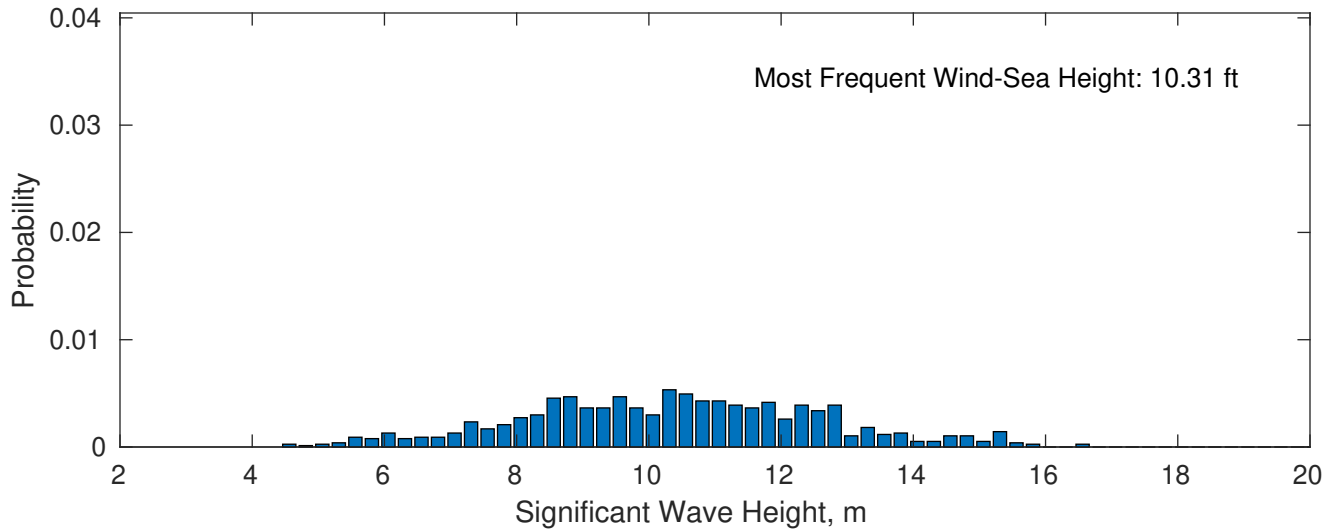




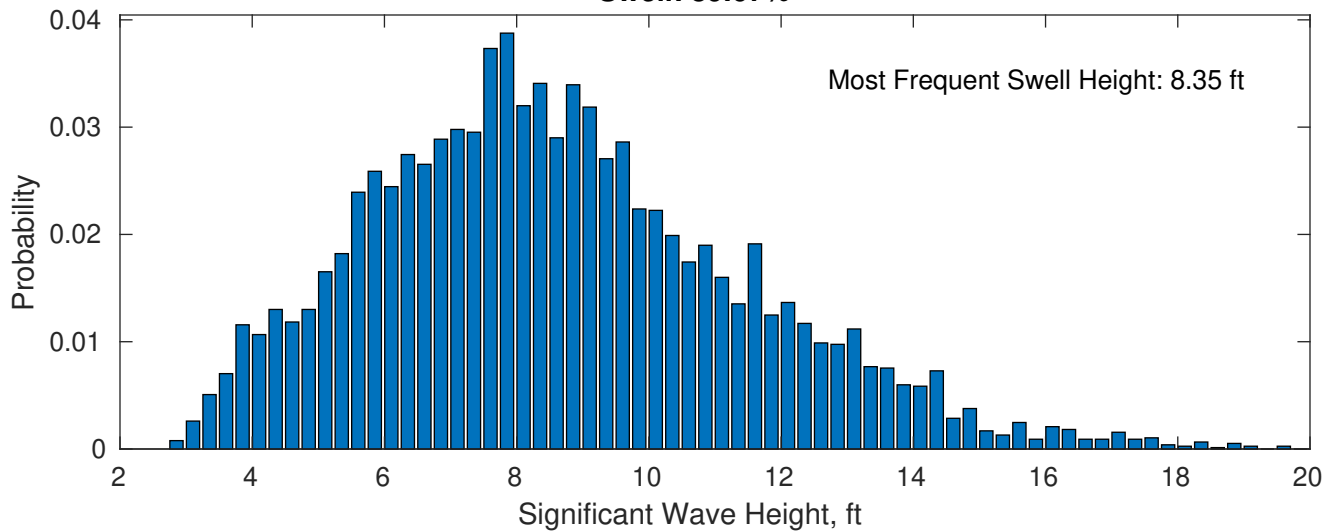
October Wave Height PDF: 1979 - 2015



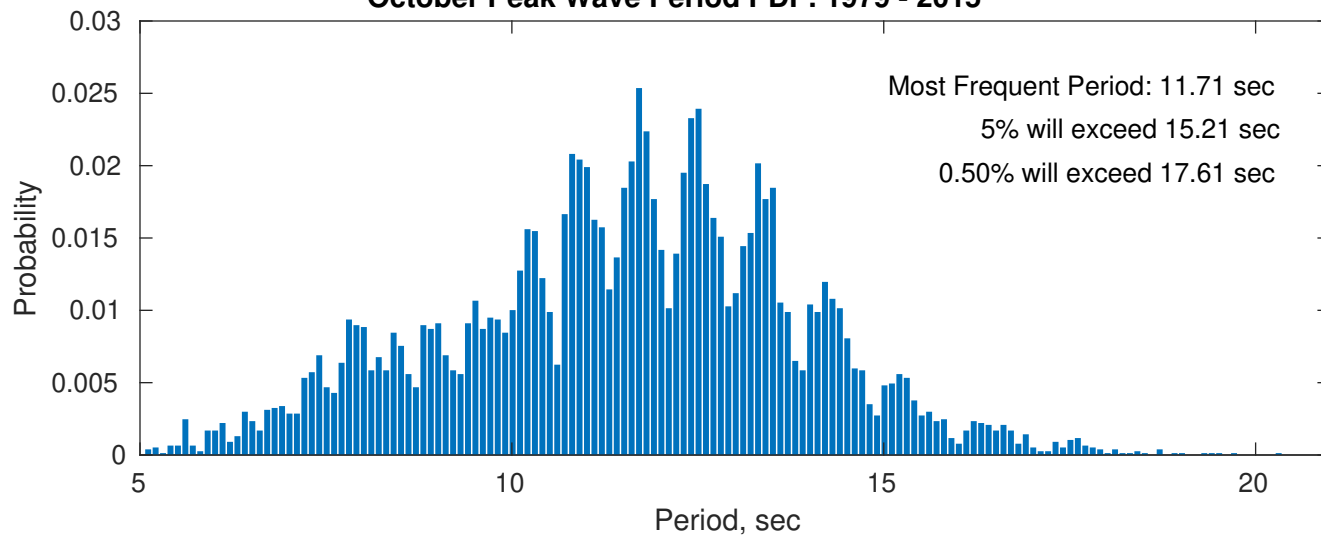
Wind-Sea: 10.33%



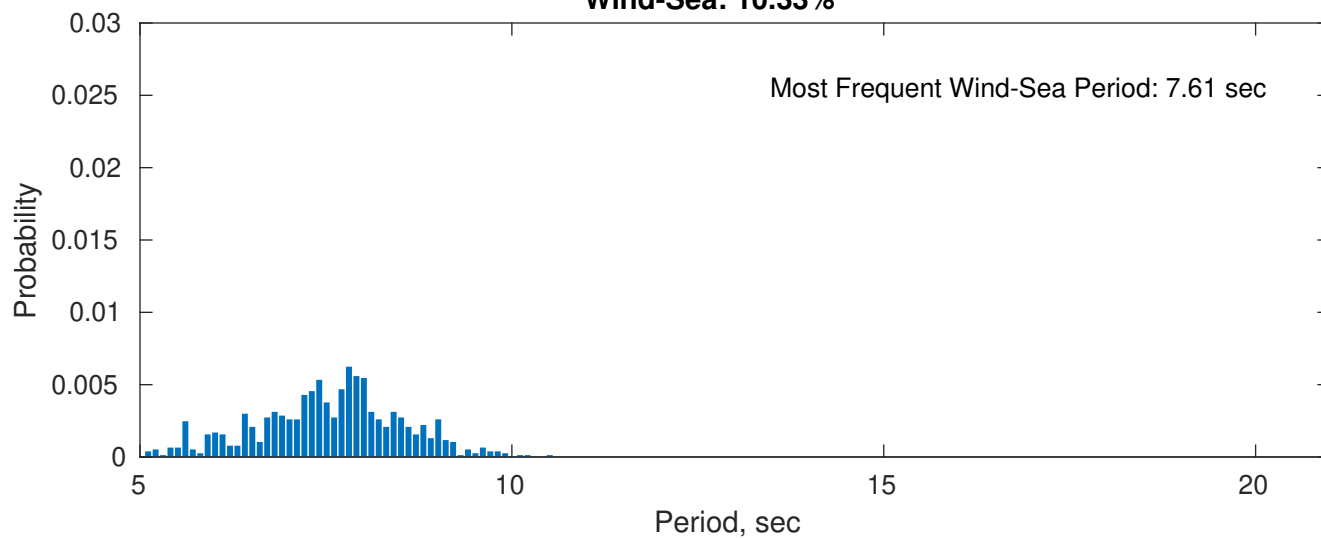
Swell: 89.67%



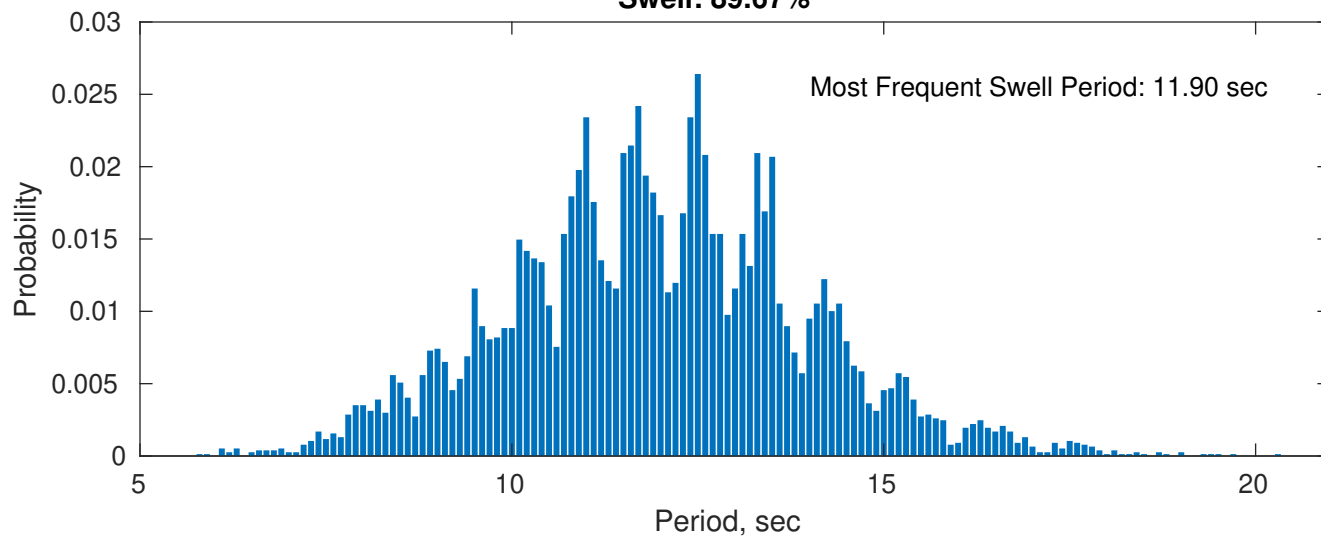
October Peak Wave Period PDF: 1979 - 2015



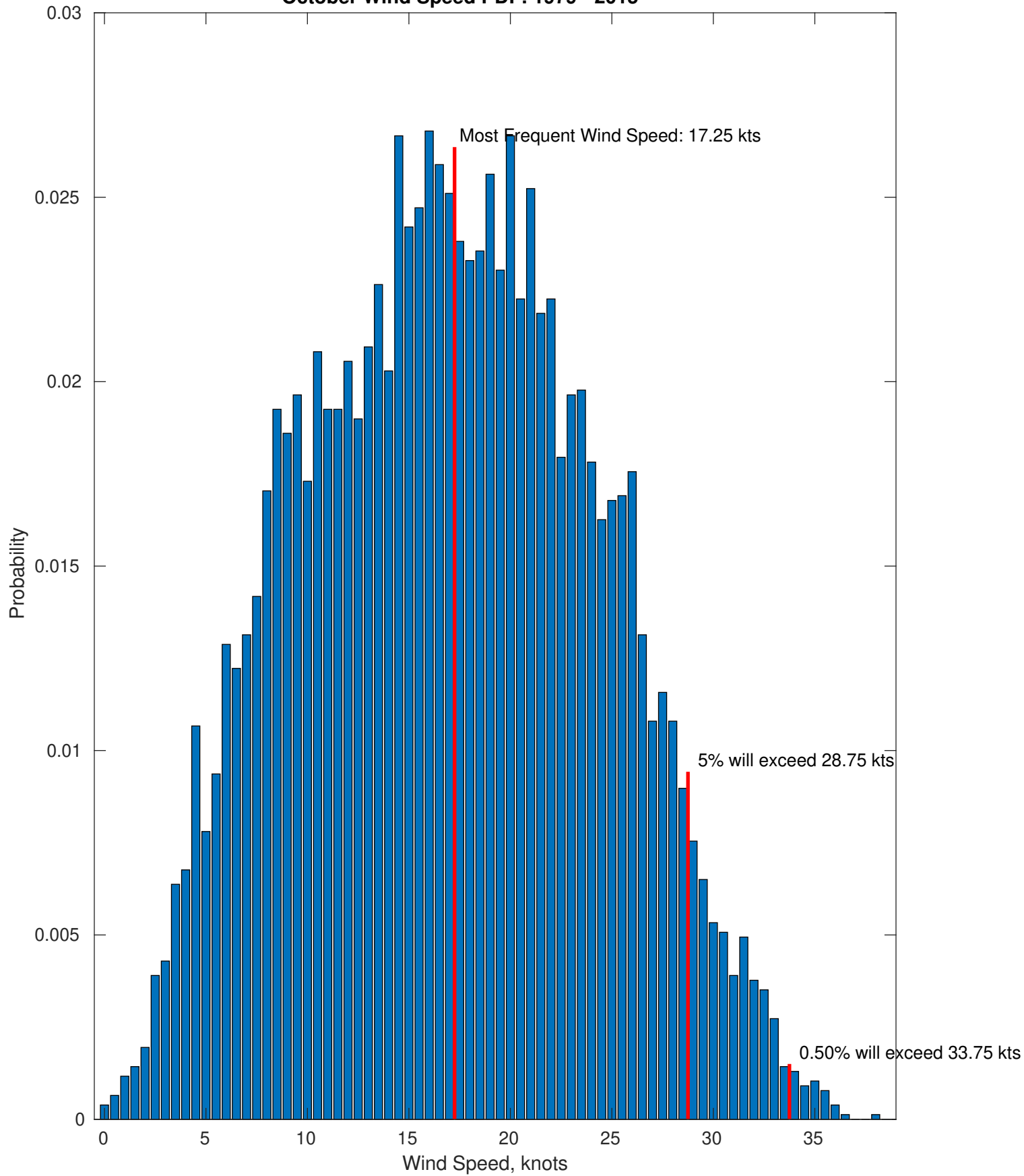
Wind-Sea: 10.33%



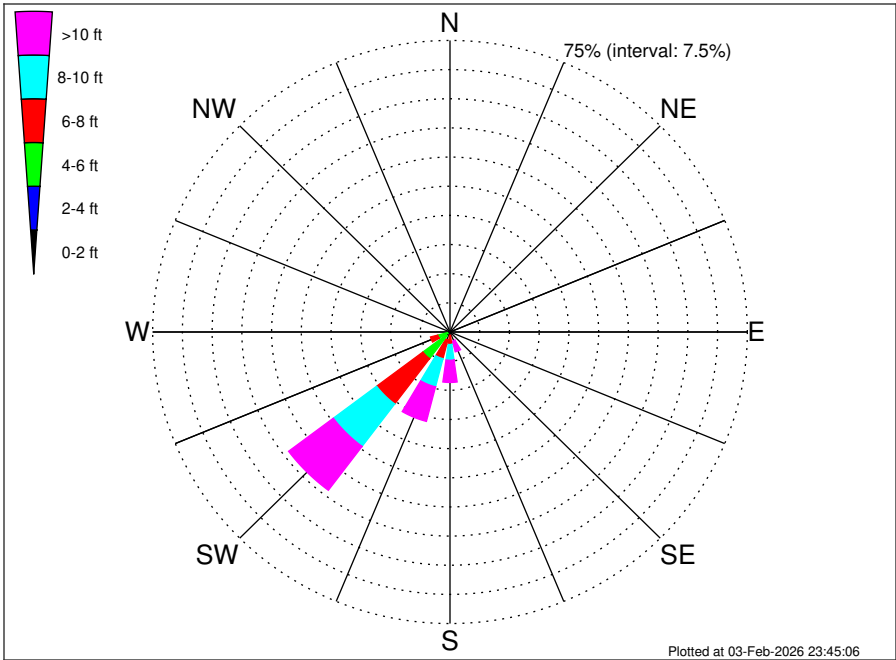
Swell: 89.67%



October Wind Speed PDF: 1979 - 2015



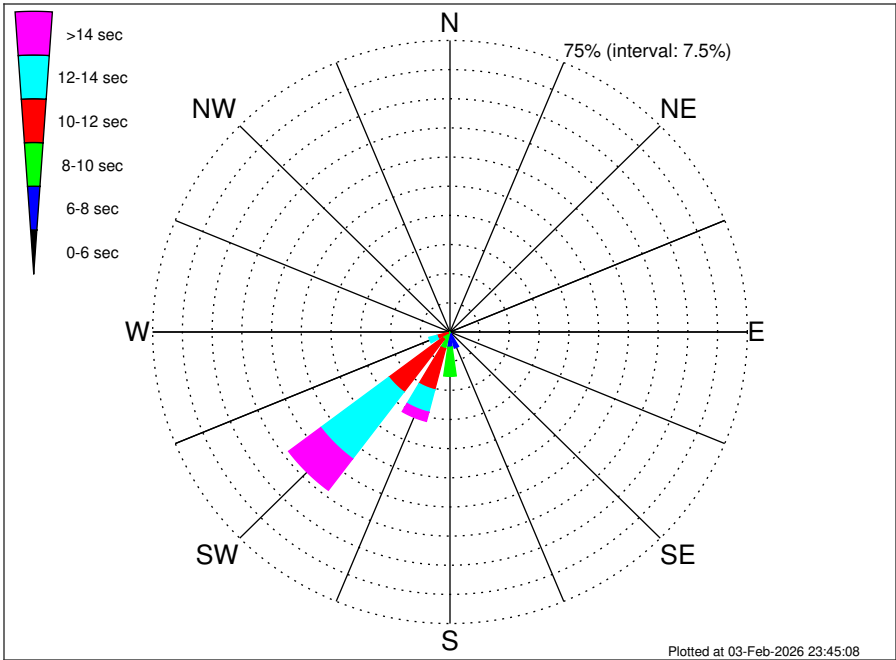
Angola Namibia CRS Oranjemund (BU-OR) Climatological WaveHeight Rose for October: 1979 - 2015



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	•	•	•	•	•	•	•	•	0.07	0.23	1.21	0.66	•	•	•	•	2.17
4 - 6 ft	•	•	•	•	•	•	•	0.20	0.83	1.87	7.36	2.52	•	•	0.01	•	12.80
6 - 8 ft	•	•	•	•	•	•	•	0.59	2.33	4.98	14.61	1.90	0.04	0.04	0.04	•	24.52
8 - 10 ft	•	•	•	•	•	•	•	1.66	4.05	7.49	13.68	1.14	•	•	•	•	28.03
10 - 12 ft	•	•	•	•	•	•	•	1.94	3.12	4.93	7.47	0.36	•	•	•	•	17.82
12 - 14 ft	•	•	•	•	•	•	•	0.69	1.95	2.63	4.42	0.21	•	•	•	•	9.90
14 - 16 ft	•	•	•	•	•	•	•	0.20	0.53	1.08	1.68	0.04	•	•	•	•	3.52
16 - 18 ft	•	•	•	•	•	•	•	•	0.10	0.52	0.39	•	•	•	•	•	1.01
> 18 ft	•	•	•	•	•	•	•	•	•	0.01	0.17	0.04	•	•	•	•	0.22
Total	•	•	•	•	•	•	•	5.27	12.98	23.75	50.99	6.88	0.04	0.04	0.05	•	100.00

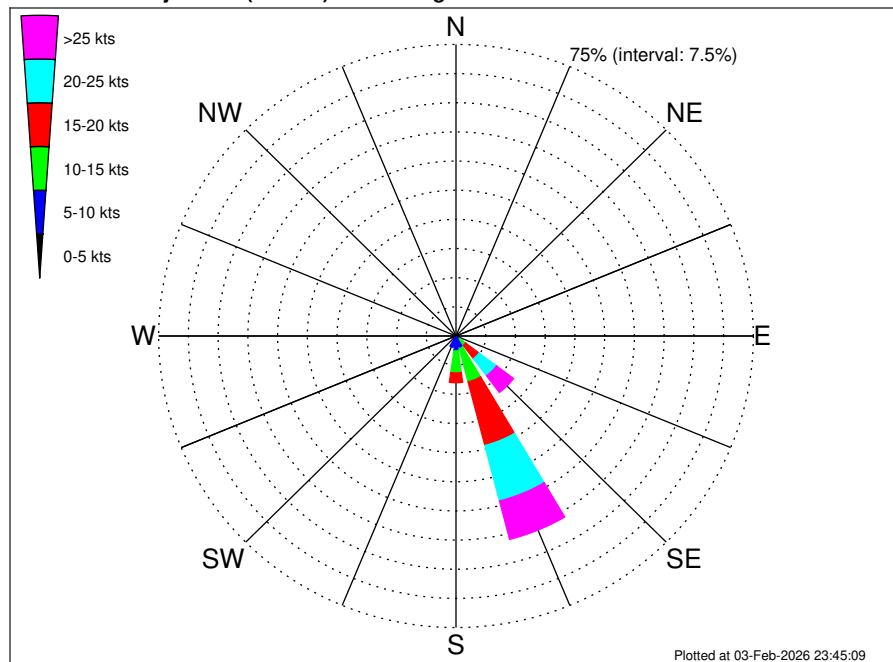
Angola Namibia CRS Oranjemund (BU-OR) Climatological WavePeriod Rose for October: 1979 - 2015



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	•	•	•	•	•	•	•	0.53	0.16	•	•	•	•	0.01	0.03	•	0.73
6 - 8 sec	•	•	•	•	•	•	•	3.76	3.77	0.22	0.12	0.03	0.01	•	•	•	7.91
8 - 10 sec	•	•	•	•	•	•	•	0.98	7.48	4.24	2.24	0.56	0.01	•	•	•	15.50
10 - 12 sec	•	•	•	•	•	•	•	•	1.37	10.90	16.99	2.81	•	•	•	•	32.06
12 - 14 sec	•	•	•	•	•	•	•	•	0.10	5.97	21.50	2.12	•	•	•	•	29.70
14 - 16 sec	•	•	•	•	•	•	•	•	0.10	2.26	8.29	0.87	0.01	0.01	•	•	11.55
18 - 20 sec	•	•	•	•	•	•	•	•	•	0.14	1.74	0.38	•	0.01	0.03	•	2.30
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.01	0.12	0.12	•	•	•	•	0.25
Total	•	•	•	•	•	•	•	5.27	12.98	23.75	50.99	6.88	0.04	0.04	0.05	•	100.00

Angola Namibia CRS Oranjemund (BU-OR) Climatological Wind Rose for October: 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	•	•	0.03	0.01	•	•	0.03	•	•	0.10
0 - 5 kts	0.09	0.07	0.04	0.05	0.07	0.12	0.26	0.31	0.60	0.49	0.40	0.26	0.39	0.20	0.16	0.16	3.66
5 - 10 kts	0.16	0.07	0.01	0.04	0.04	0.16	0.82	2.99	3.24	2.46	0.99	0.73	0.77	0.88	0.79	0.27	14.41
10 - 15 kts	0.10	•	0.01	0.01	0.05	0.13	1.94	8.90	5.67	1.08	0.30	0.18	0.14	0.65	0.98	0.52	20.67
15 - 20 kts	0.03	•	•	•	0.05	0.03	4.28	16.88	2.51	0.10	0.01	0.01	0.01	0.08	0.33	0.27	24.60
20 - 25 kts	0.03	•	•	•	•	0.01	5.49	14.75	0.46	•	0.01	0.01	•	•	0.10	0.10	20.97
25 - 30 kts	•	•	•	•	•	•	4.01	8.03	0.01	•	•	•	•	•	0.01	•	12.06
30 - 35 kts	•	•	•	•	•	•	1.26	2.03	•	•	•	•	•	•	•	•	3.29
35 - 40 kts	•	•	•	•	•	•	0.10	0.14	•	•	•	•	•	•	•	•	0.25
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.42	0.13	0.07	0.10	0.21	0.46	18.17	54.03	12.49	4.16	1.73	1.20	1.31	1.83	2.37	1.33	100.00