

Angola Namibia CRS Swakopmunds (BU-SW) - March

Latitude: 22.64 S Longitude: 13.12 E

Weather Days

Wave Height > 5.0 ft Mean: 23.3 days Range: 20.8 - 25.9 days p50:23.5 days p75:22 days p90:20 days
Wave Height > 6.5 ft Mean: 15.9 days Range: 12.8 - 19.0 days p50:16 days p75:13 days p90:11.5 days
Wave Height > 8.0 ft Mean: 8.5 days Range: 5.6 - 11.5 days p50:8 days p75:6.5 days p90:5 days

Wind Speed > 15.0 knots Mean: 11.1 days Range: 8.5 - 13.7 days p50:11 days p75:9.5 days p90:9 days
Wind Speed > 20.0 knots Mean: 2.1 days Range: 0.9 - 3.4 days p50:2.5 days p75:1.5 days p90:1 days
Wind Speed > 25.0 knots Mean: 0.1 days Range: 0.0 - 0.3 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window

Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 0.6 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 0.1 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 2.2 times per month A 2 day or longer window will statistically occur 1.5 times per month A 3 day or longer window will statistically occur 0.8 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 2.8 times per month A 3 day or longer window will statistically occur 1.9 times per month

Waves

Mean Height: 6 - 8 ft
The wave heights will occasionally reach 12 - 14 ft, but rarely higher.
Mean Period: 10 - 12 sec
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.
Principle Direction, from: SSW
WindSea/Swell: 3% / 97%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 20 - 25 kts, but rarely greater.
Principle Direction, from: SSE

Currents

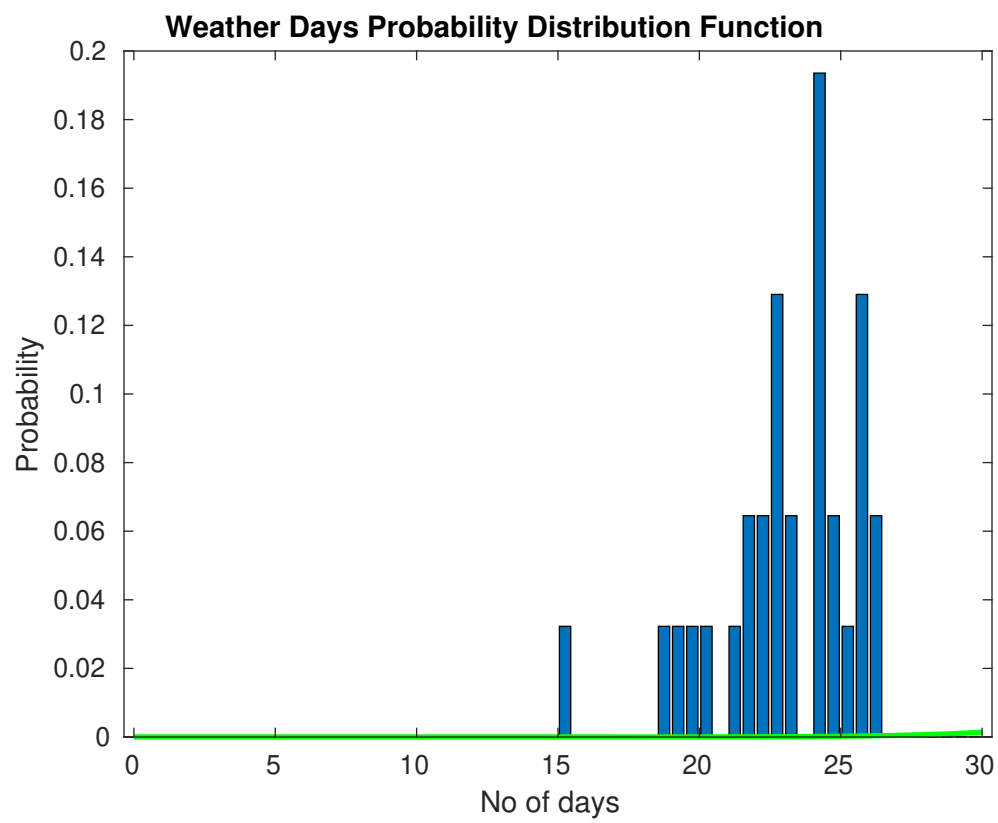
Mean Speed: 0.01-0.25 kts
The currents will occasionally reach 0.50-0.75 kts, but rarely greater.
Principle Direction, to: NW

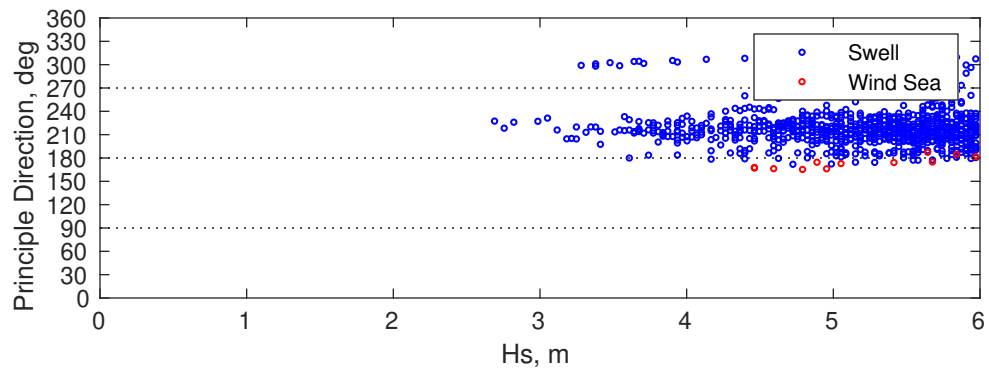
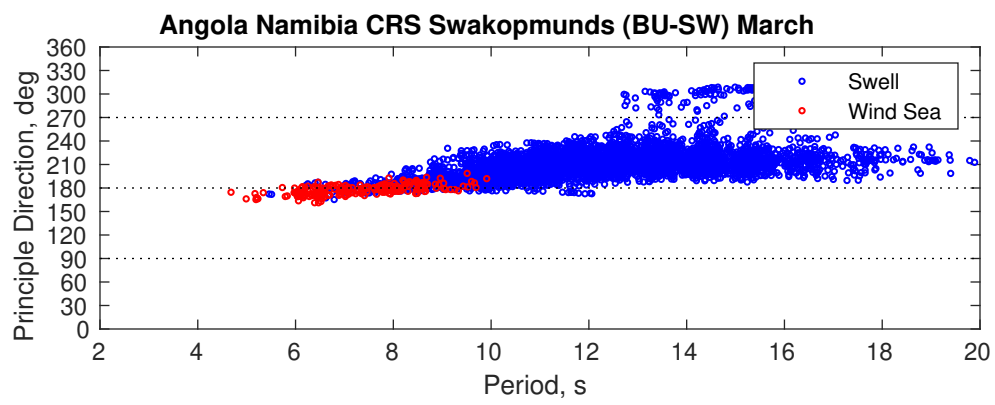
Weather Days

Current Speed > 0.5 knots Mean: 2.5 days Range: 0.0 - 5.2 days p50:3 days p75:2 days p90:1 days
Current Speed > 1.0 knots Mean: 0.0 days Range: 0.0 - 0.0 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

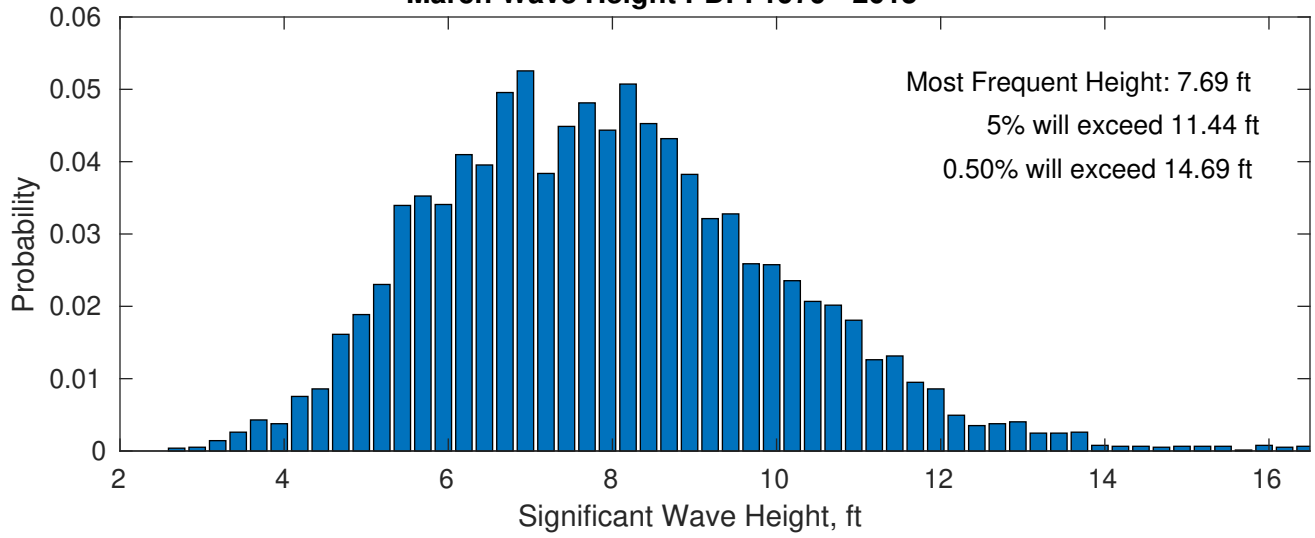
Severe Storms

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

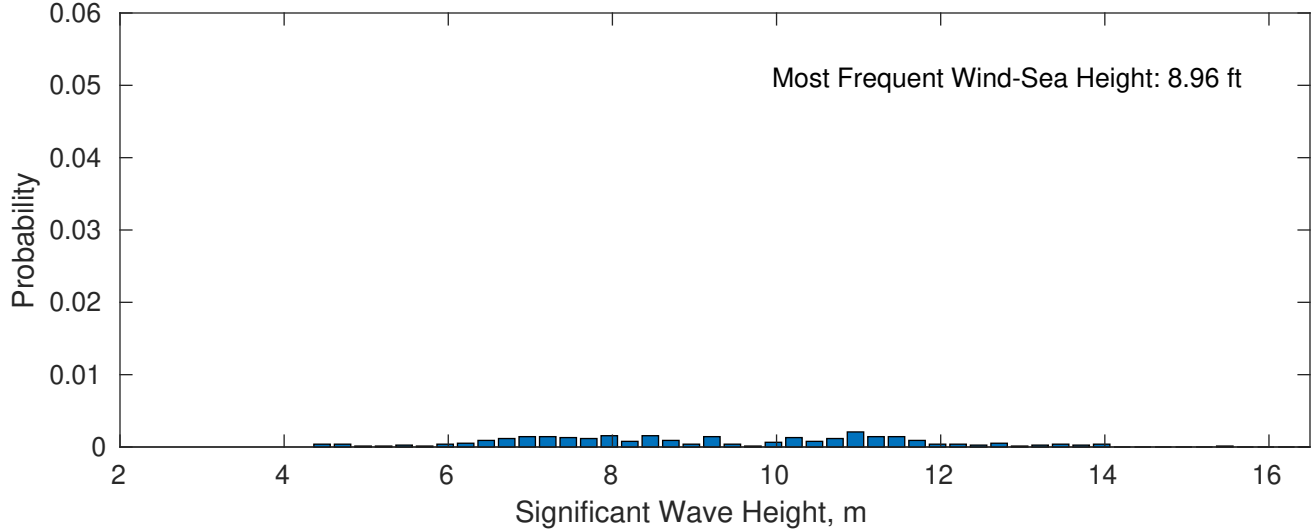




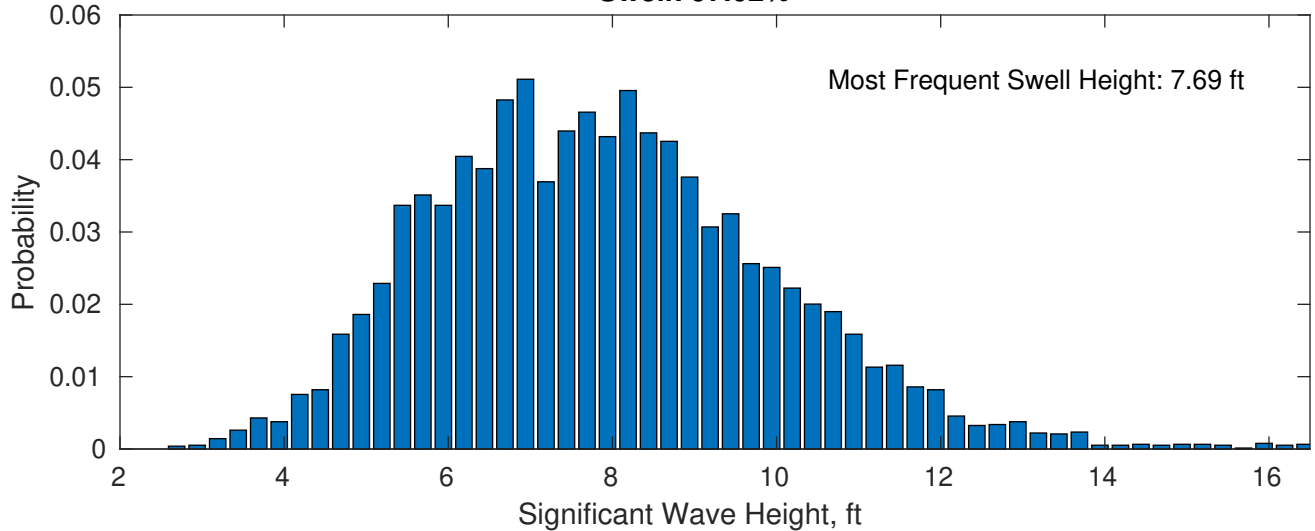
March Wave Height PDF: 1979 - 2015



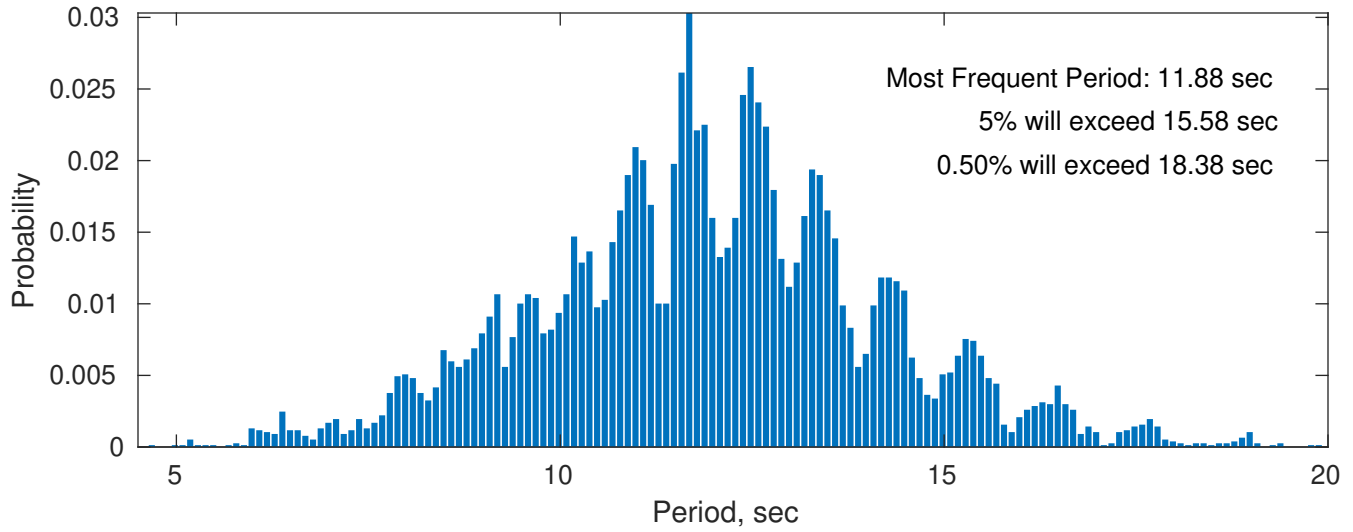
Wind-Sea: 2.98%



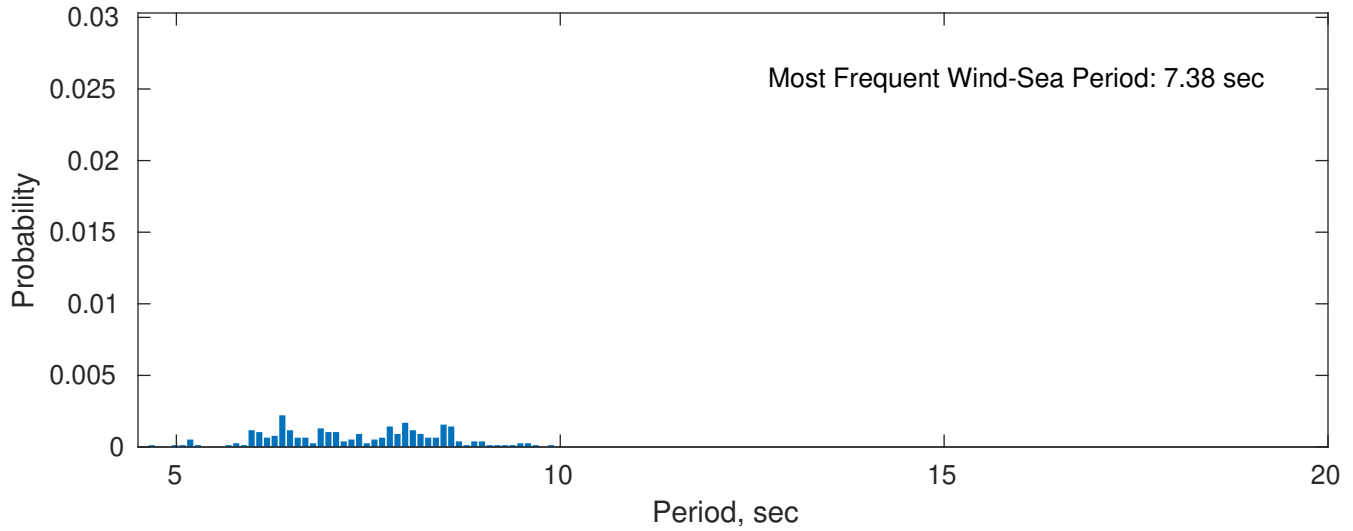
Swell: 97.02%



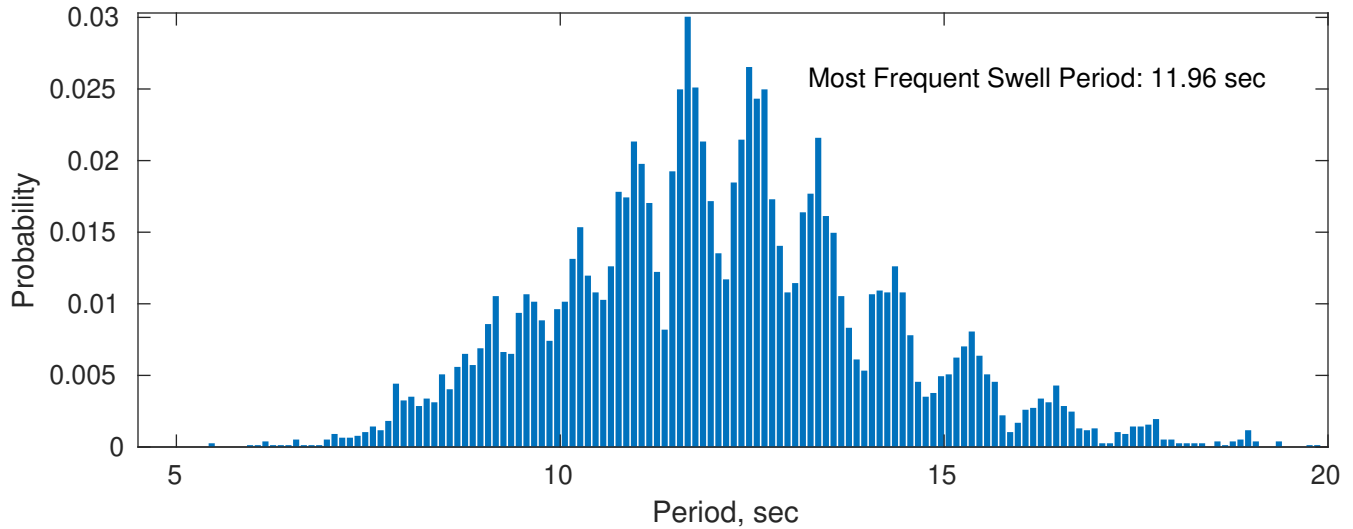
March Peak Wave Period PDF: 1979 - 2015



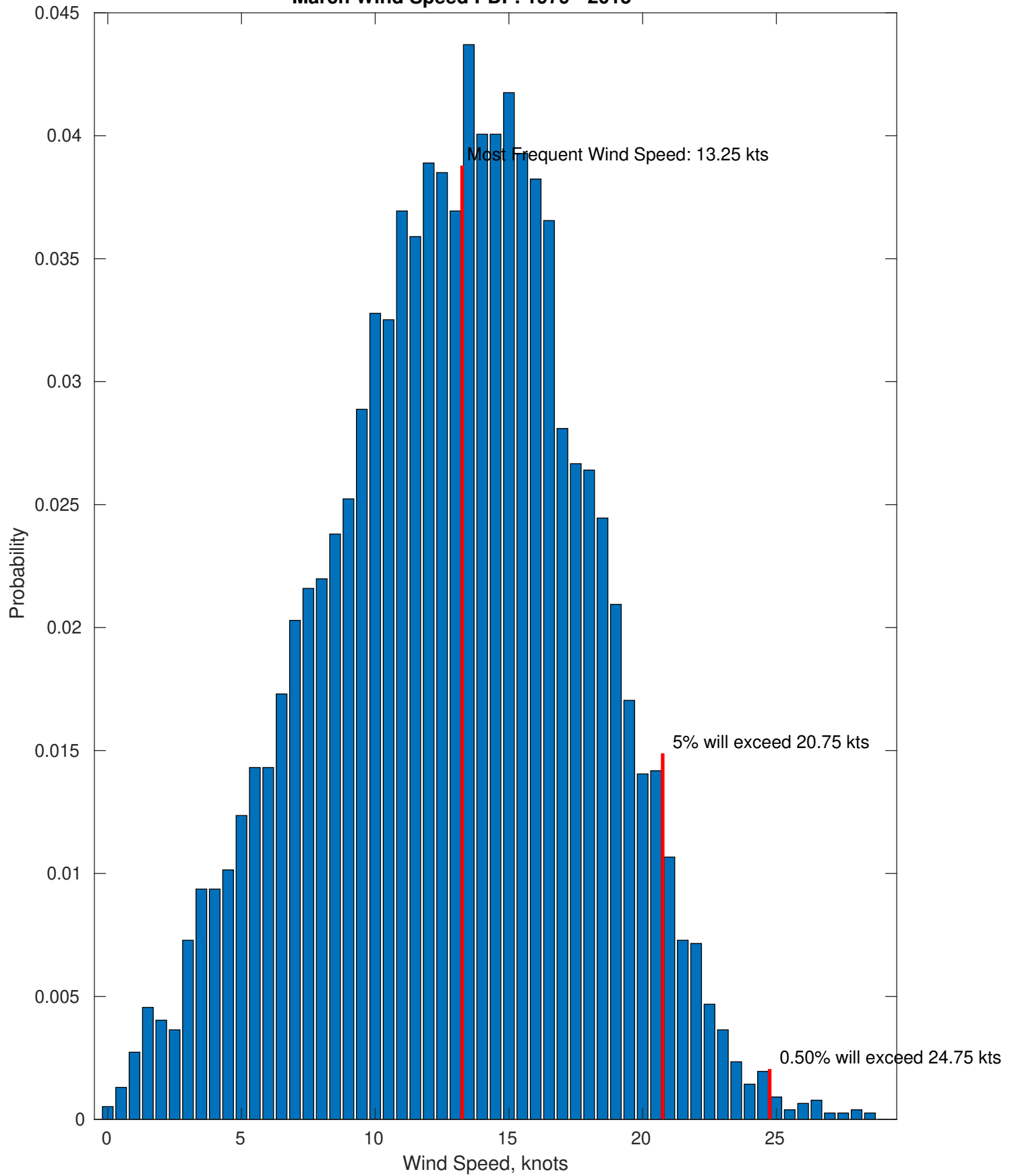
Wind-Sea: 2.98%



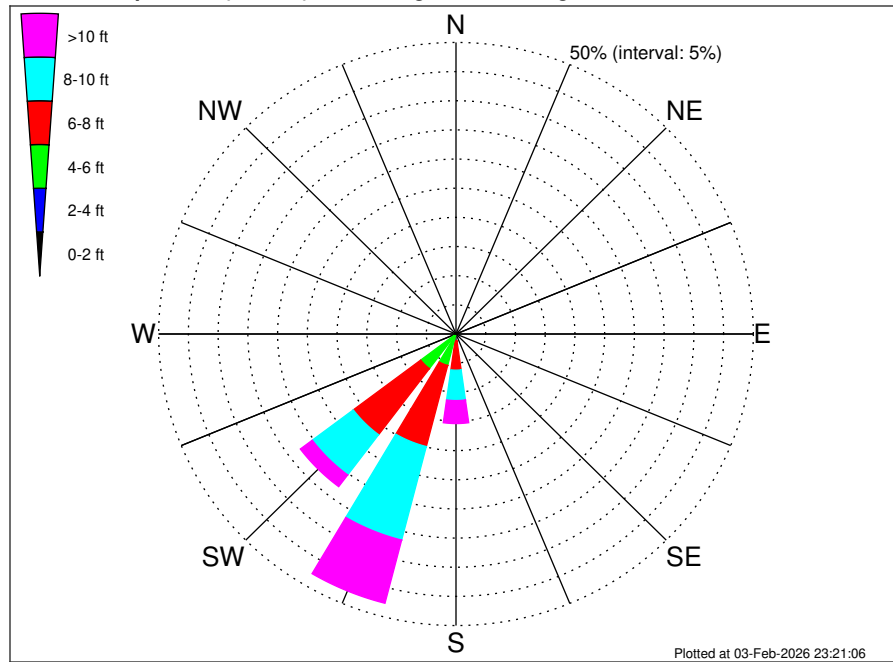
Swell: 97.02%



March Wind Speed PDF: 1979 - 2015



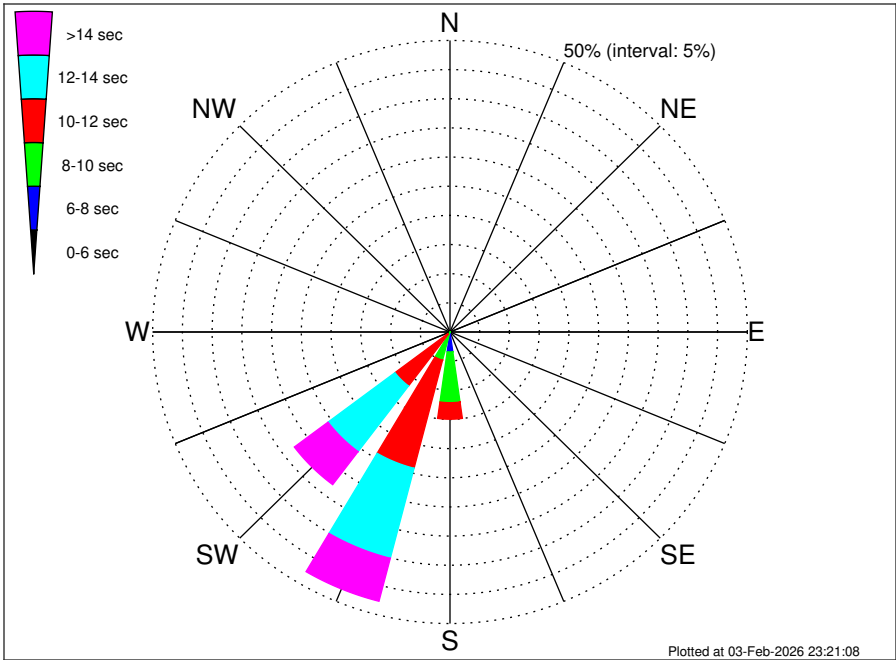
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WaveHeight Rose for March: 1979 - 2015



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	0.33	0.48	•	•	0.09	0.04	•	0.99
4 - 6 ft	•	•	•	•	•	•	•	0.07	1.17	5.24	6.95	0.78	0.10	0.39	0.44	•	15.14
6 - 8 ft	•	•	•	•	•	•	•	0.08	4.98	14.37	14.20	0.79	0.12	0.27	0.27	•	35.09
8 - 10 ft	•	•	•	•	•	•	•	0.05	5.22	16.57	8.64	0.17	0.04	0.04	0.38	•	31.10
10 - 12 ft	•	•	•	•	•	•	•	•	3.00	8.66	2.20	0.03	•	0.01	•	•	13.90
12 - 14 ft	•	•	•	•	•	•	•	•	0.82	1.95	0.29	•	•	•	•	•	3.06
14 - 16 ft	•	•	•	•	•	•	•	•	0.12	0.34	0.03	•	•	•	•	•	0.48
16 - 18 ft	•	•	•	•	•	•	•	•	•	0.23	•	•	•	•	•	•	0.23
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	0.20	15.36	47.70	32.78	1.77	0.26	0.81	1.13	•	100.00

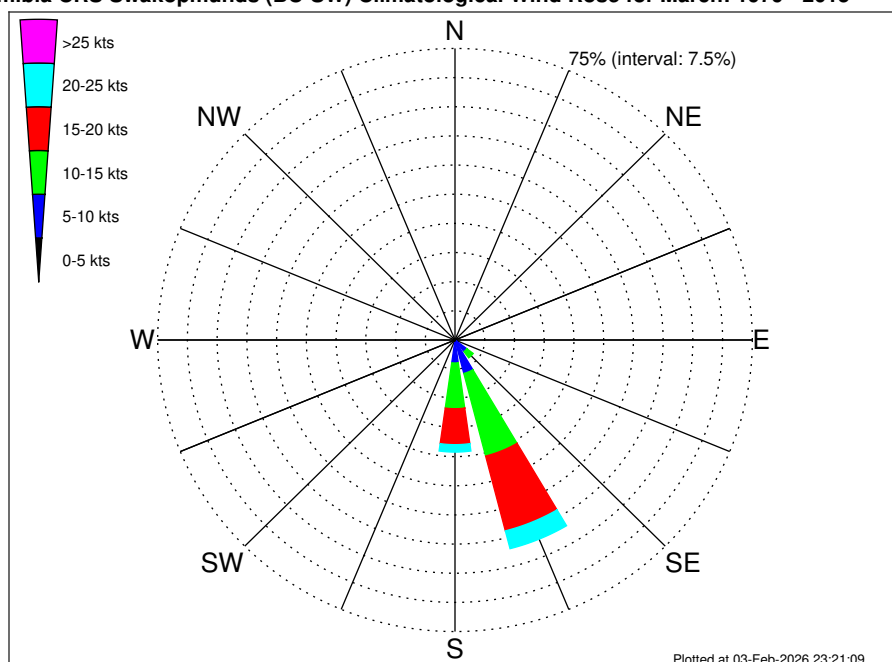
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WavePeriod Rose for March: 1979 - 2015



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	•	•	•	•	•	•	•	0.07	0.14	•	•	•	•	•	•	•	0.21
6 - 8 sec	•	•	•	•	•	•	•	0.13	3.28	0.04	•	•	•	•	•	•	3.45
8 - 10 sec	•	•	•	•	•	•	•	•	8.70	4.94	0.51	•	•	•	•	•	14.15
10 - 12 sec	•	•	•	•	•	•	•	•	2.84	19.16	11.08	0.29	•	•	•	•	33.36
12 - 14 sec	•	•	•	•	•	•	•	•	0.22	15.95	14.10	0.83	0.12	0.43	•	•	31.65
14 - 16 sec	•	•	•	•	•	•	•	•	0.14	6.24	4.96	0.52	0.14	0.33	0.64	•	12.97
18 - 20 sec	•	•	•	•	•	•	•	•	0.04	1.24	1.69	0.13	•	0.05	0.47	•	3.62
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.13	0.44	•	•	•	0.03	•	0.60
Total	•	•	•	•	•	•	•	0.20	15.36	47.70	32.78	1.77	0.26	0.81	1.13	•	100.00

Angola Namibia CRS Swakopmunds (BU-SW) Climatological Wind Rose for March: 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	•	•	0.01	0.01	0.01	0.01	0.01	0.04	•	•	0.18
0 - 5 kts	0.13	0.13	0.16	0.20	0.33	0.51	0.52	0.74	0.69	0.55	0.39	0.27	0.12	0.13	0.13	0.13	5.11
5 - 10 kts	0.13	0.04	0.04	0.12	0.14	0.36	3.21	8.14	5.22	1.70	0.36	0.14	0.16	0.12	0.07	0.05	20.01
10 - 15 kts	•	•	•	•	0.01	0.05	2.02	21.96	11.76	1.63	0.18	0.03	•	•	•	•	37.63
15 - 20 kts	•	•	•	•	•	•	0.31	19.88	9.25	0.47	0.04	•	•	•	•	•	29.94
20 - 25 kts	•	•	•	•	•	•	0.04	4.73	1.91	0.05	•	•	•	•	•	•	6.74
25 - 30 kts	•	•	•	•	•	•	•	0.36	0.03	•	•	•	•	•	•	•	0.39
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.27	0.18	0.21	0.31	0.51	0.94	6.10	55.81	28.86	4.41	0.99	0.46	0.29	0.29	0.20	0.18	100.00