

Angola Namibia CRS Swakopmunds (BU-SW) - April

Latitude: 22.64 S Longitude: 13.12 E

Weather Days

Wave Height > 5.0 ft Mean: 22.7 days Range: 19.8 - 25.6 days p50:22 days p75:21 days p90:19.5 days
Wave Height > 6.5 ft Mean: 15.1 days Range: 11.5 - 18.6 days p50:14 days p75:13.5 days p90:11.5 days
Wave Height > 8.0 ft Mean: 7.8 days Range: 5.2 - 10.5 days p50:8.5 days p75:6 days p90:4.5 days

Wind Speed > 15.0 knots Mean: 13.0 days Range: 9.9 - 16.1 days p50:13 days p75:11 days p90:9.5 days
Wind Speed > 20.0 knots Mean: 3.0 days Range: 1.6 - 4.4 days p50:3.5 days p75:2 days p90:1.5 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 0.0 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 2.3 times per month A 2 day or longer window will statistically occur 1.3 times per month A 3 day or longer window will statistically occur 0.7 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 14 - 16 ft, but rarely higher.
Mean Period: 12 - 14 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

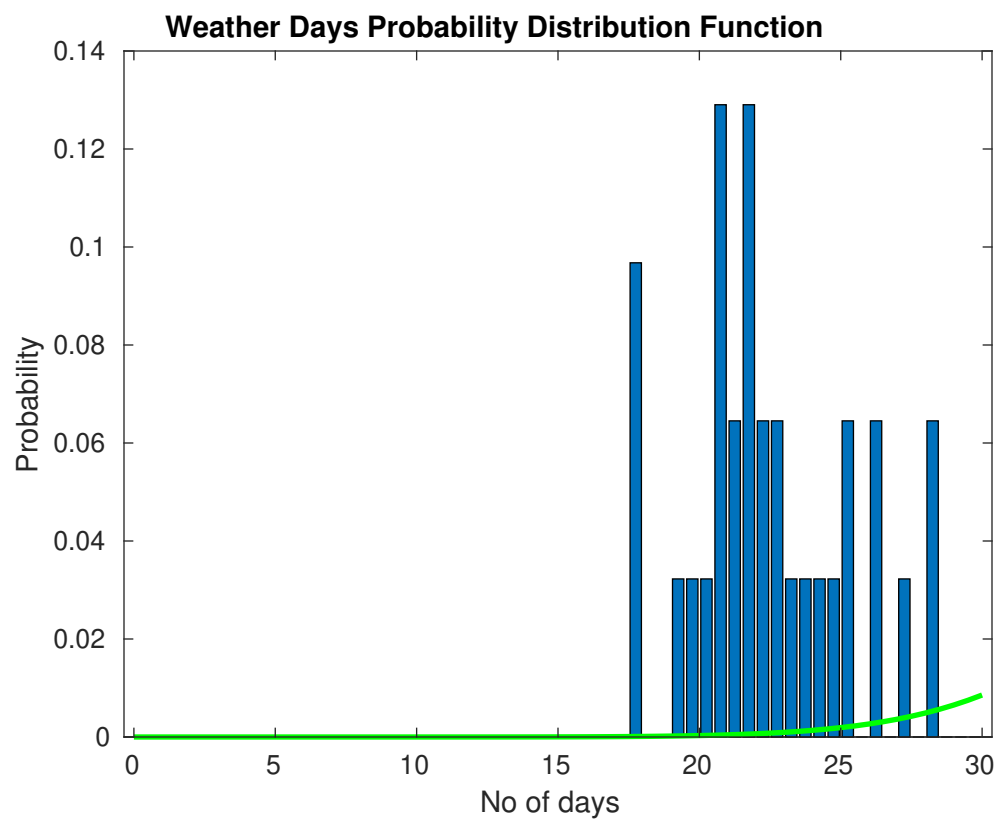
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 0.75-1.00 kts, but rarely greater.
Principle Direction, to: NNW

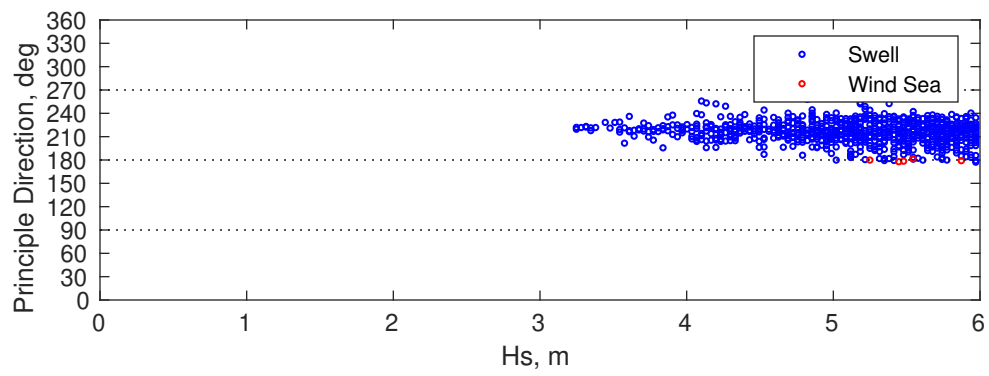
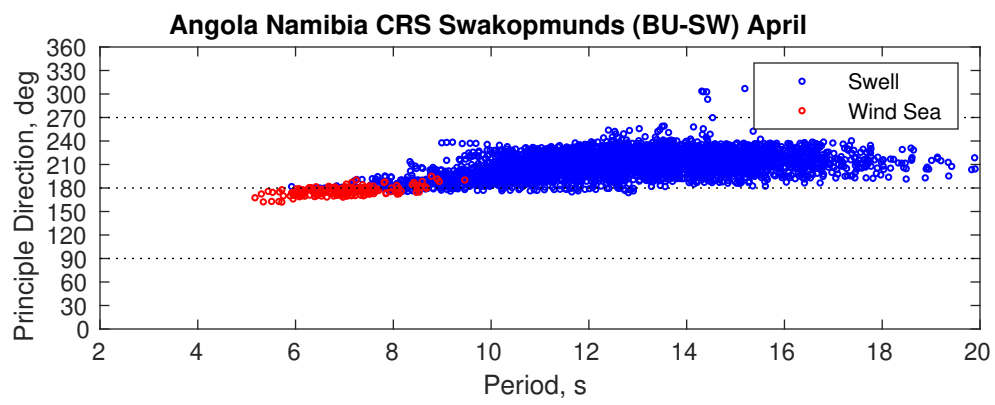
Weather Days

Current Speed > 0.5 knots Mean: 3.5 days Range: 0.0 - 7.4 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

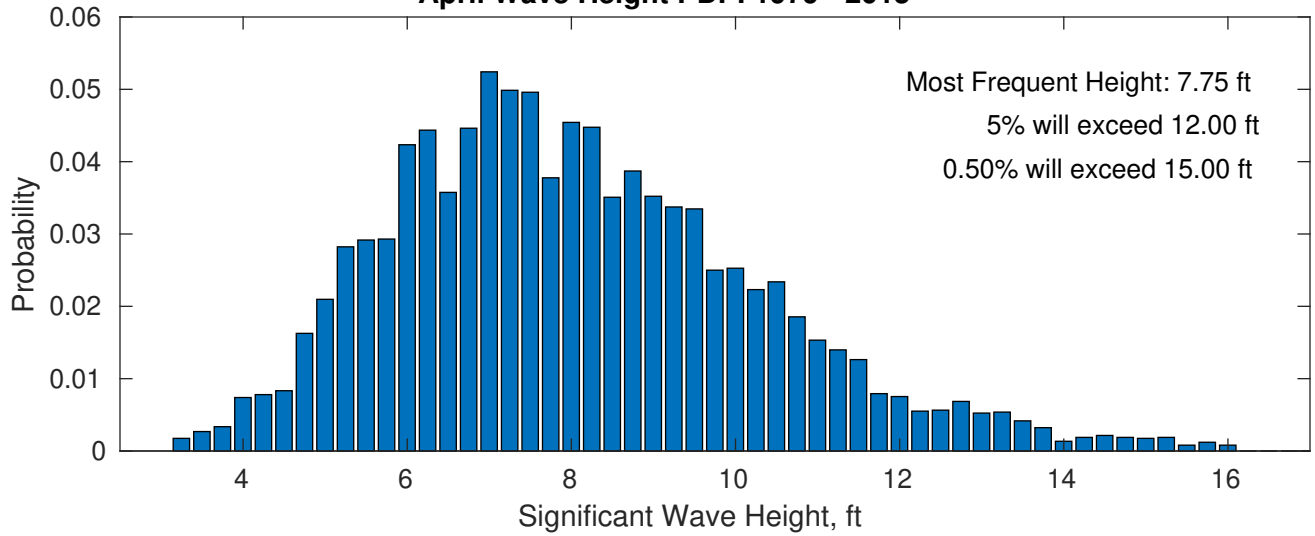
Severe Storms

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

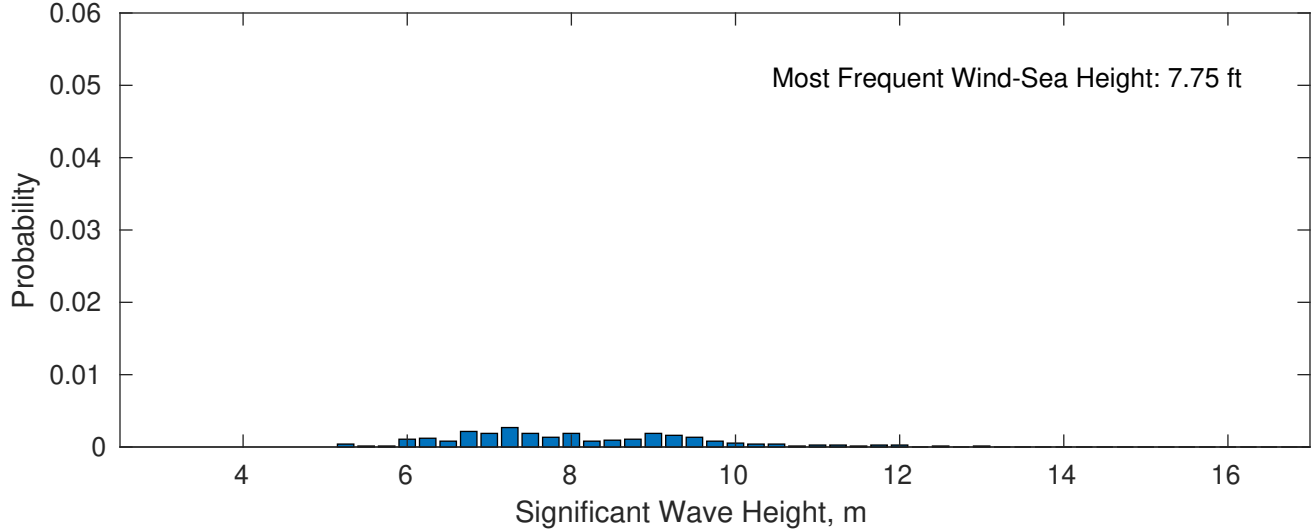




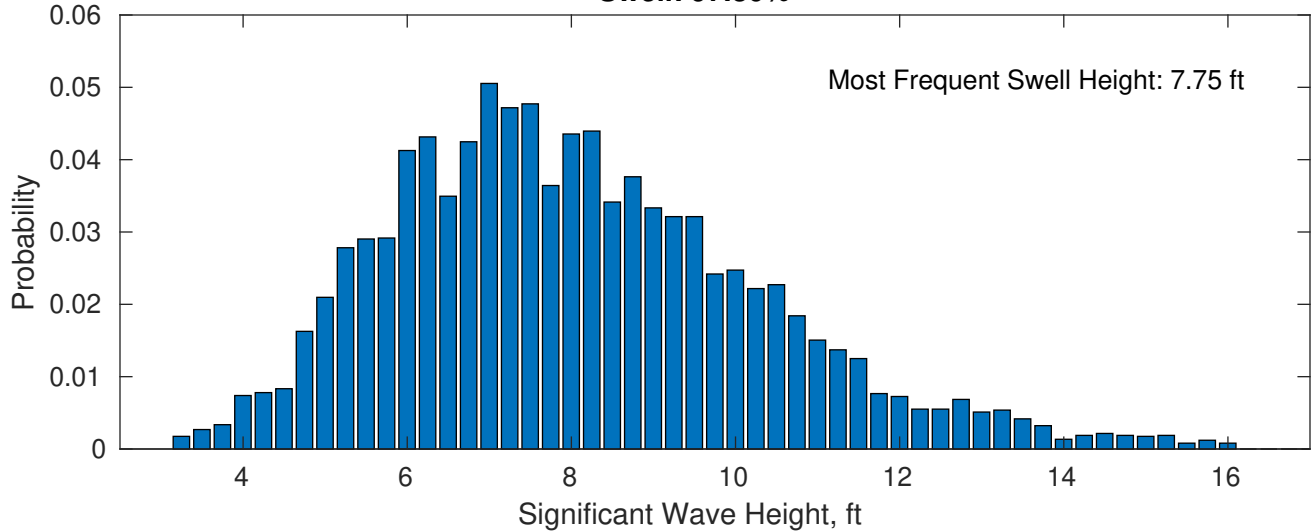
April Wave Height PDF: 1979 - 2015



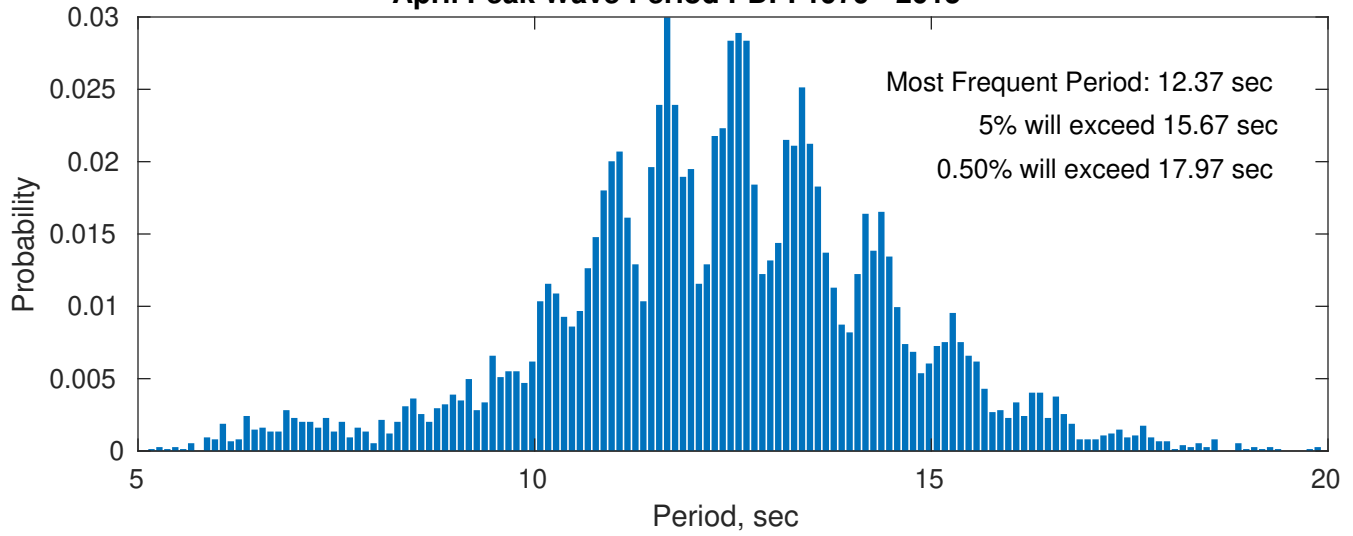
Wind-Sea: 2.70%



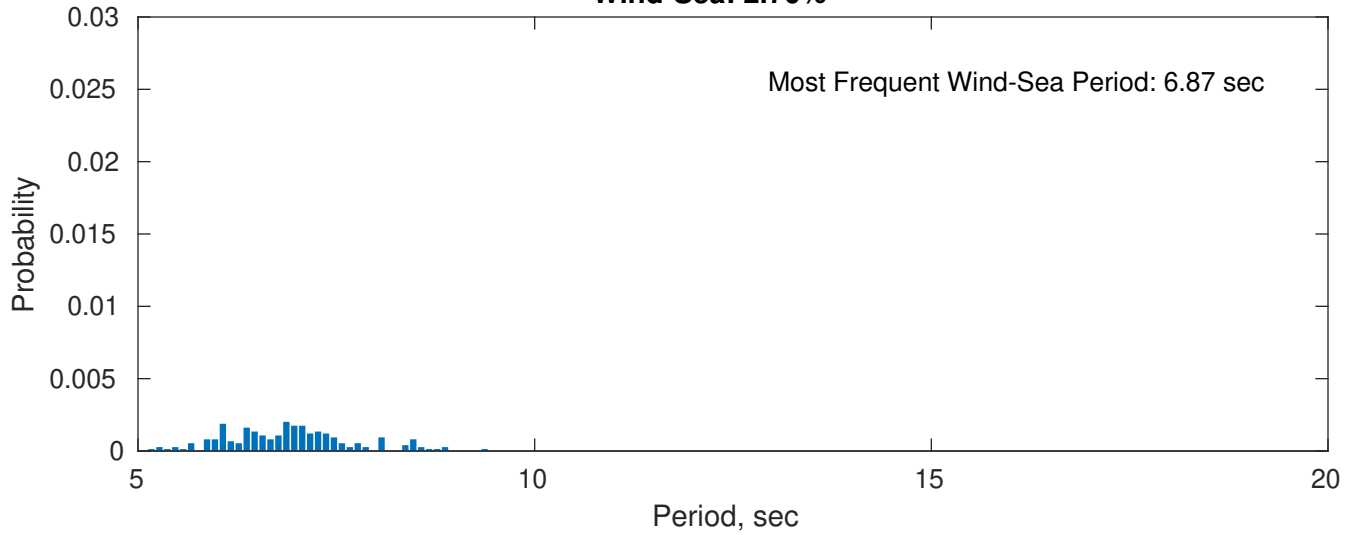
Swell: 97.30%



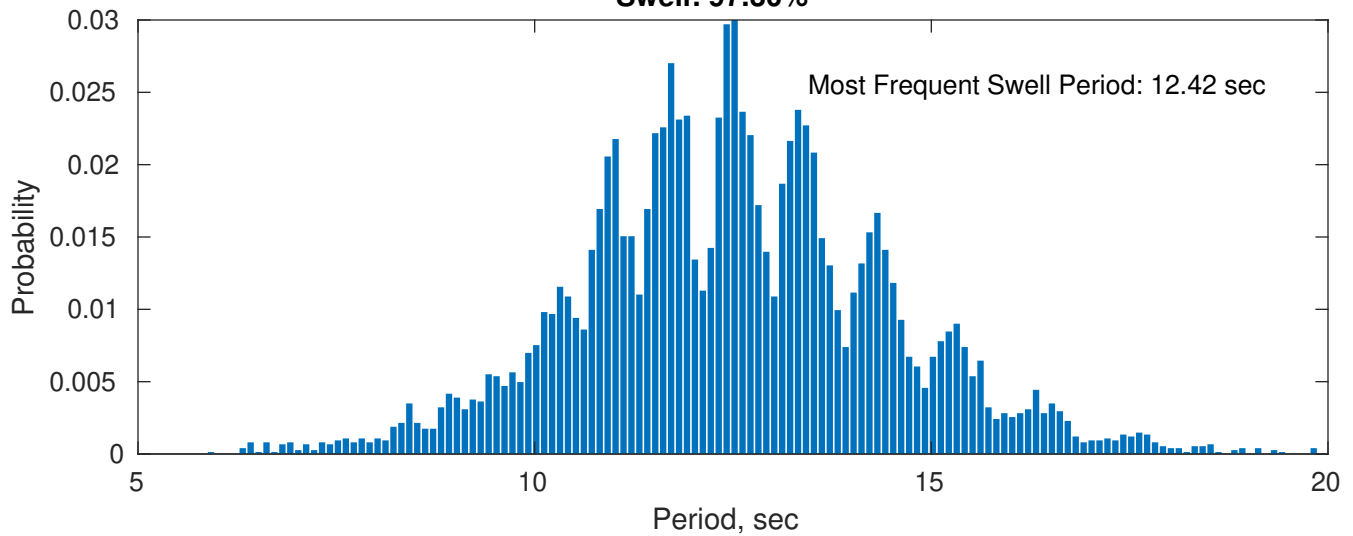
April Peak Wave Period PDF: 1979 - 2015



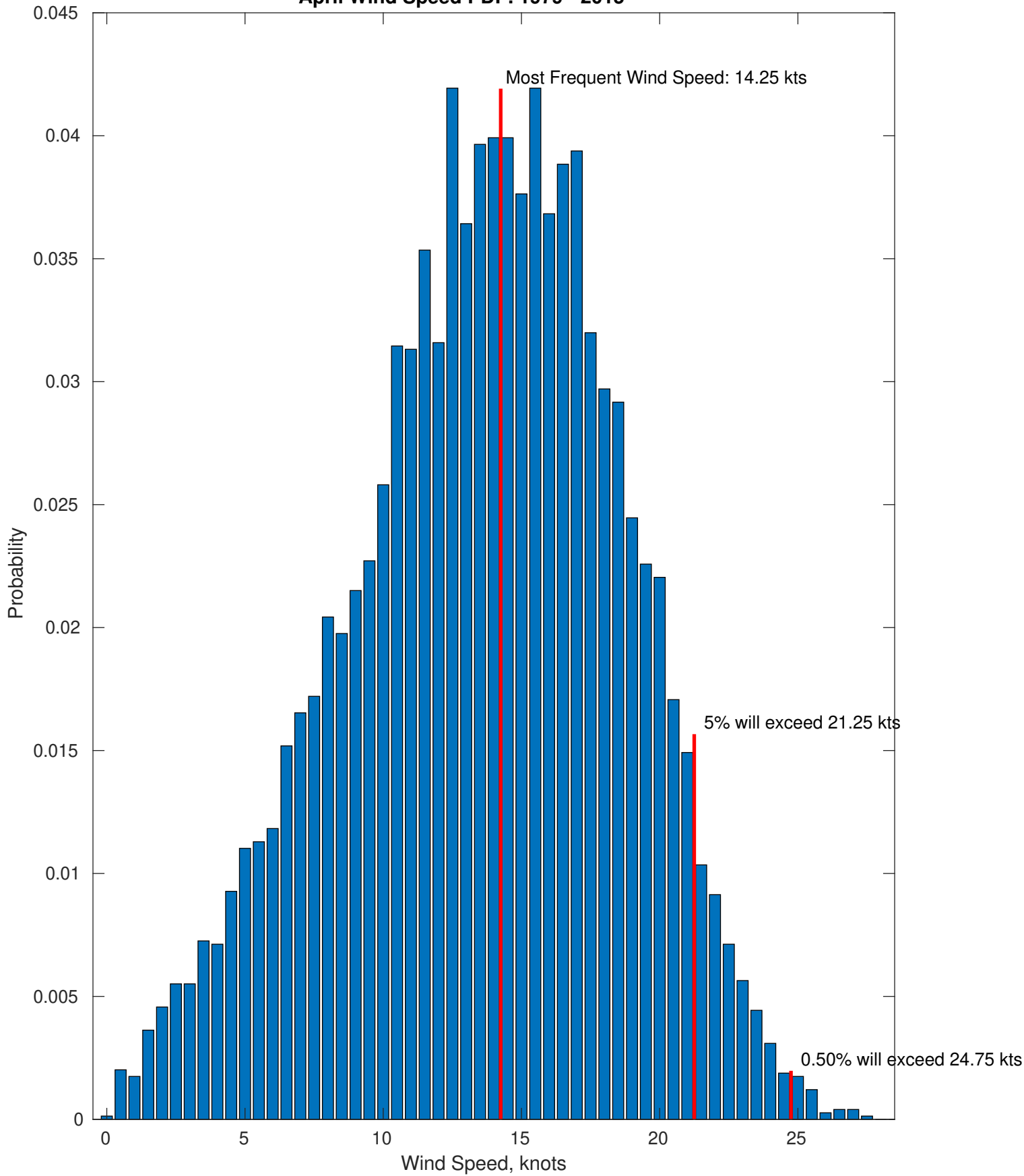
Wind-Sea: 2.70%



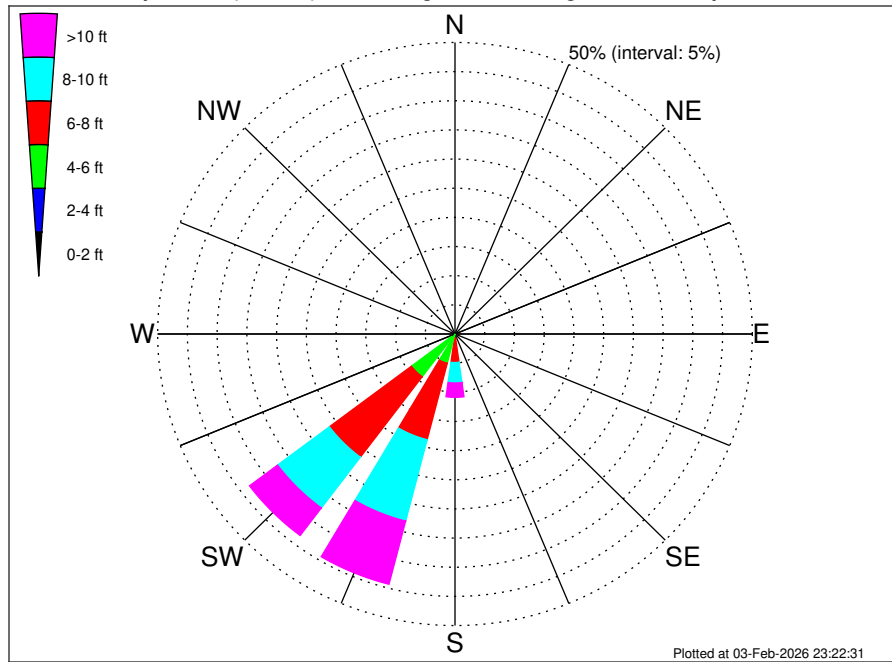
Swell: 97.30%



April Wind Speed PDF: 1979 - 2015



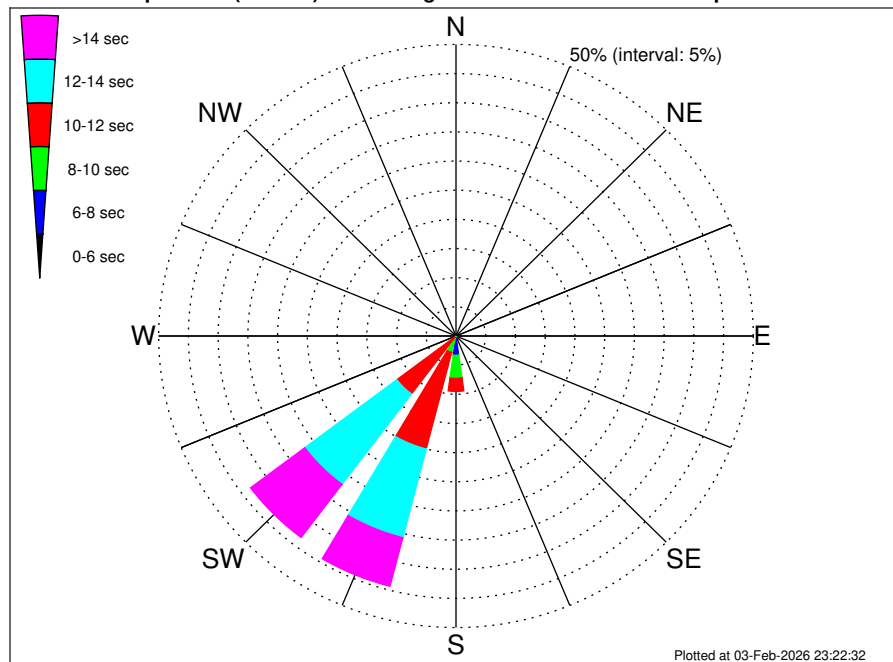
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WaveHeight Rose for April: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	0.09	0.67	0.01	•	•	•	•	0.78
4 - 6 ft	•	•	•	•	•	•	•	•	0.63	5.09	8.51	0.47	•	0.03	0.01	•	14.74
6 - 8 ft	•	•	•	•	•	•	•	0.08	4.26	13.53	17.27	0.46	0.04	0.03	•	•	35.67
8 - 10 ft	•	•	•	•	•	•	•	0.03	3.51	14.42	10.91	0.27	•	•	•	•	29.14
10 - 12 ft	•	•	•	•	•	•	•	•	1.88	7.80	4.14	0.12	•	•	•	•	13.94
12 - 14 ft	•	•	•	•	•	•	•	•	0.54	2.65	1.17	•	•	•	•	•	4.35
14 - 16 ft	•	•	•	•	•	•	•	•	0.04	0.71	0.54	•	•	•	•	•	1.29
16 - 18 ft	•	•	•	•	•	•	•	•	•	0.03	0.05	•	•	•	•	•	0.08
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	0.11	10.86	44.33	43.27	1.33	0.04	0.05	0.01	•	100.00

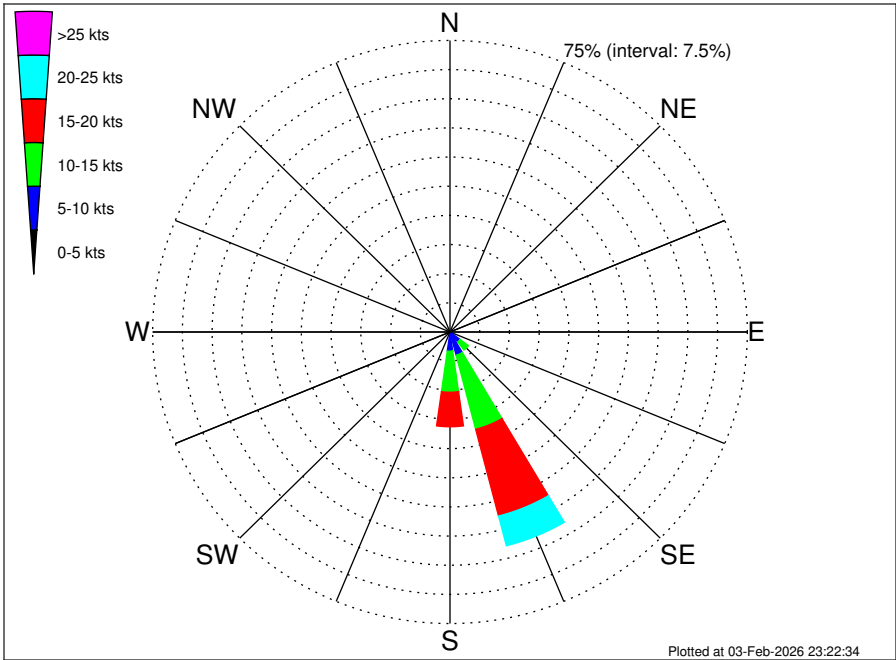
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WavePeriod Rose for April: 1979 - 2015



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	0.20	•	•	•	•	•	•	•	0.28
6 - 8 sec	•	•	•	•	•	•	•	0.03	3.12	0.09	•	•	•	•	•	•	3.24
8 - 10 sec	•	•	•	•	•	•	•	•	3.95	2.81	0.34	0.08	•	•	•	•	7.18
10 - 12 sec	•	•	•	•	•	•	•	•	2.23	17.11	12.11	0.01	•	•	•	•	31.47
12 - 14 sec	•	•	•	•	•	•	•	•	0.86	15.71	19.41	0.69	0.03	•	•	•	36.69
14 - 16 sec	•	•	•	•	•	•	•	•	0.46	6.60	9.35	0.40	0.01	0.05	0.01	•	16.90
18 - 20 sec	•	•	•	•	•	•	•	•	0.04	1.71	1.83	0.15	•	•	•	•	3.72
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.30	0.23	•	•	•	•	•	0.52
Total	•	•	•	•	•	•	•	0.11	10.86	44.33	43.27	1.33	0.04	0.05	0.01	•	100.00

Angola Namibia CRS Swakopmunds (BU-SW) Climatological Wind Rose for April: 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	0.03	0.01	0.04	0.03	0.01	•	•	0.03	•	0.03	•	•	•	0.03	0.22
0 - 5 kts	0.08	0.17	0.17	0.17	0.26	0.43	0.60	0.59	0.65	0.38	0.24	0.26	0.11	0.08	0.13	0.13	4.46
5 - 10 kts	0.04	0.08	0.19	0.24	0.32	0.73	2.59	5.56	4.29	1.61	0.34	0.20	0.16	0.15	0.12	0.12	16.75
10 - 15 kts	0.03	•	0.03	0.07	0.05	0.11	2.61	19.69	10.56	1.79	0.28	0.08	0.01	•	•	0.03	35.34
15 - 20 kts	•	•	•	•	•	0.01	0.93	23.05	8.88	0.38	•	•	•	•	•	•	33.25
20 - 25 kts	•	•	•	•	•	•	0.04	7.90	1.63	•	•	•	•	•	•	•	9.57
25 - 30 kts	•	•	•	•	•	•	•	0.42	•	•	•	•	•	•	•	•	0.42
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.15	0.27	0.42	0.50	0.67	1.30	6.79	57.22	26.01	4.18	0.86	0.56	0.28	0.23	0.26	0.31	100.00