

Angola Namibia CRS Luanda (BU-LU) - April

Latitude: 8.85 S Longitude: 12.41 E

Weather Days

Wave Height > 5.0 ft Mean: 5.3 days Range: 2.5 - 8.0 days p50:5.5 days p75:3.5 days p90:2.5 days
Wave Height > 6.5 ft Mean: 0.7 days Range: 0.0 - 1.7 days p50:30 days p75:1.5 days p90:1 days
Wave Height > 8.0 ft Mean: 0.0 days Range: 0.0 - 0.1 days p50:30 days p75:30 days p90:30 days

Wind Speed > 15.0 knots Mean: 1.2 days Range: 0.3 - 2.0 days p50:1 days p75:1 days p90:0.5 days
Wind Speed > 20.0 knots Mean: 0.0 days Range: 0.0 - 0.1 days p50:0.5 days p75:0.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.0 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 2.8 times per month A 2 day or longer window will statistically occur 2.0 times per month A 3 day or longer window will statistically occur 1.4 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 2.9 times per month A 2 day or longer window will statistically occur 2.5 times per month A 3 day or longer window will statistically occur 2.2 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 1.6 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 1.4 times per month

Waves

Mean Height: 4 - 6 ft
The wave heights will occasionally reach 8 - 10 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: 0% / 100%

Winds

Mean Speed: 5 - 10 kts
The winds will occasionally reach 15 - 20 kts, but rarely greater.
Principle Direction, from: SSW

Currents

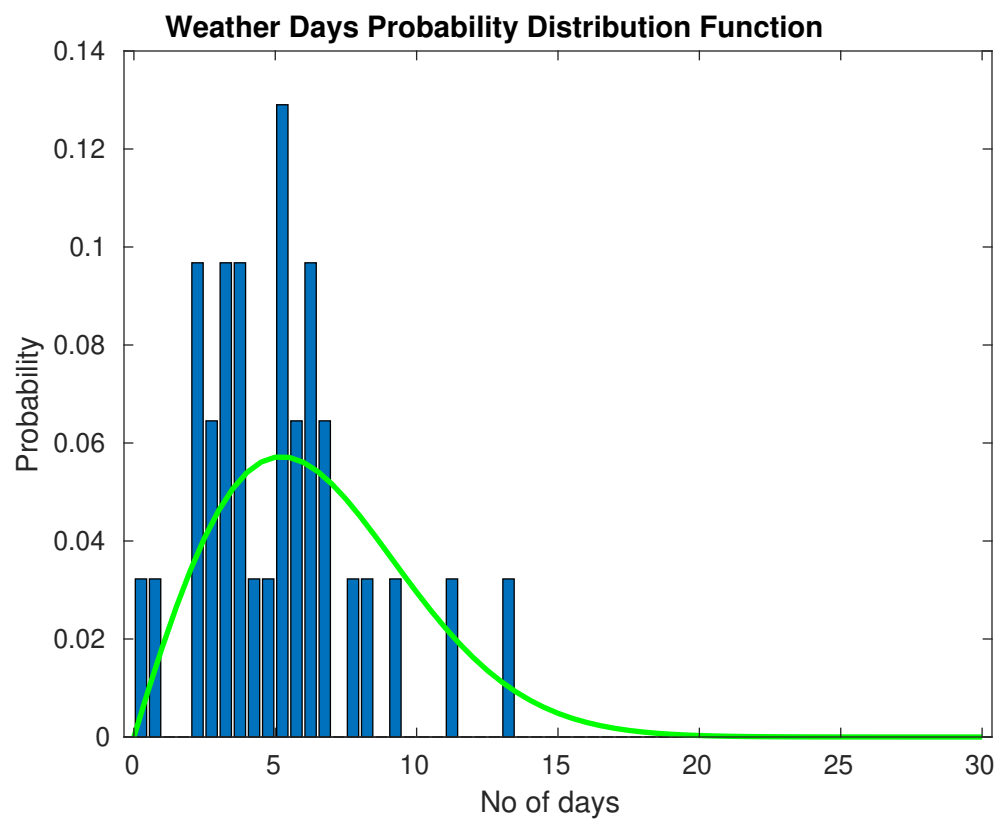
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.00-1.25 kts, but rarely greater.
Principle Direction, to: NNW

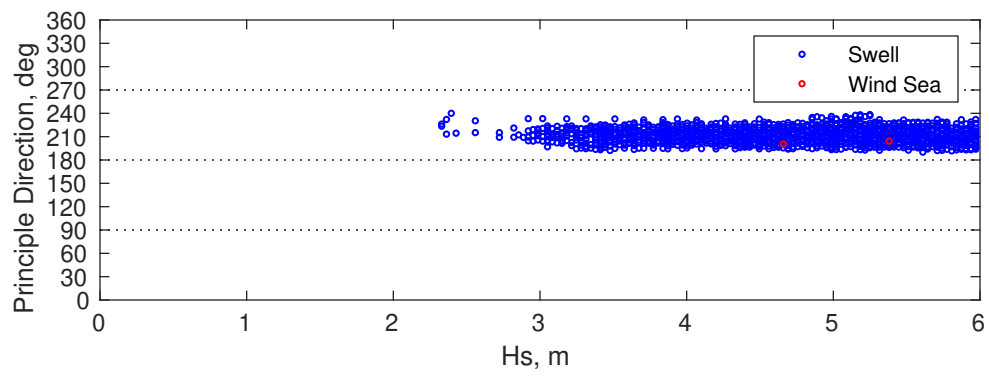
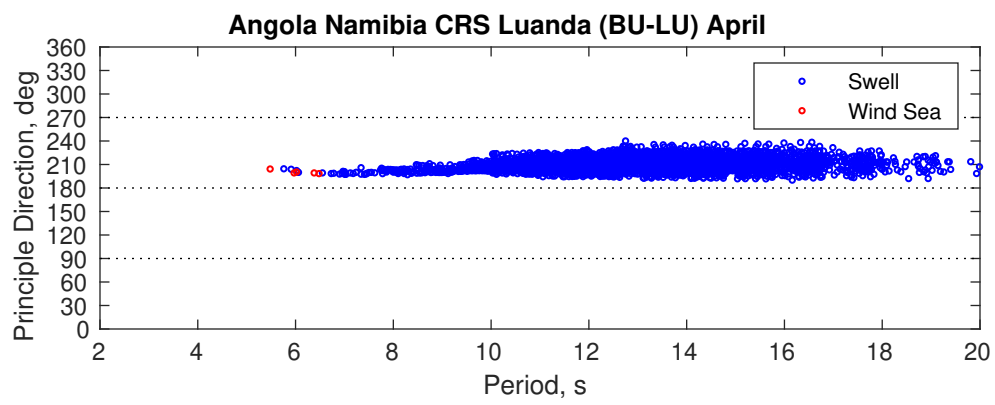
Weather Days

Current Speed > 0.5 knots Mean: 14.9 days Range: 9.5 - 20.4 days p50:17 days p75:13 days p90:7 days
Current Speed > 1.0 knots Mean: 1.2 days Range: 0.0 - 3.1 days p50:2 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

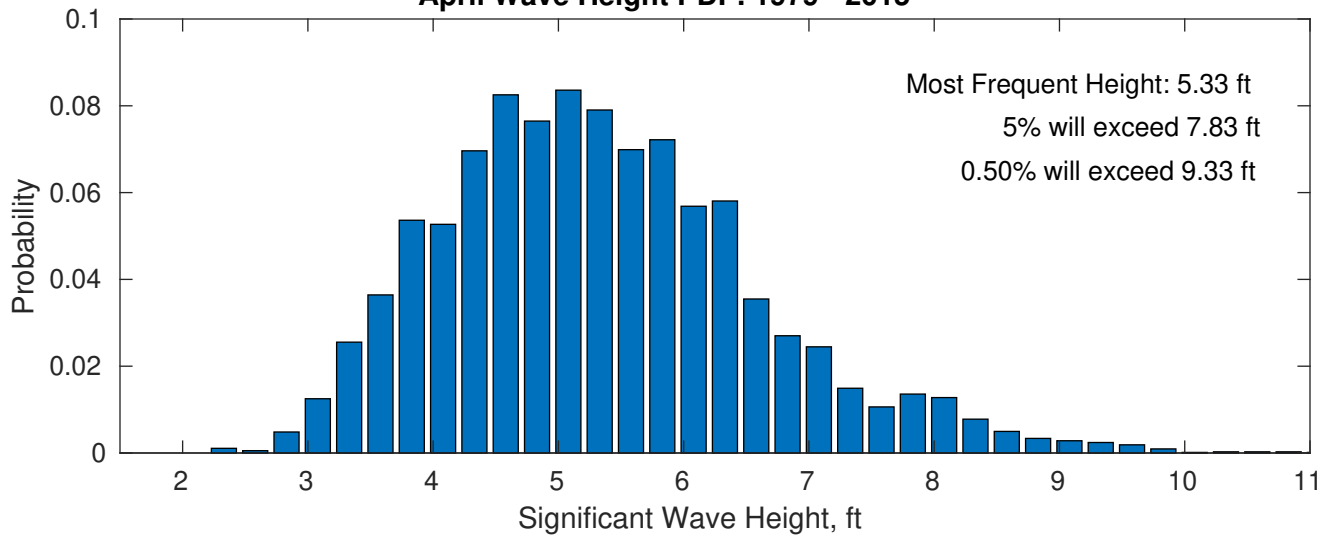
Severe Storms

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

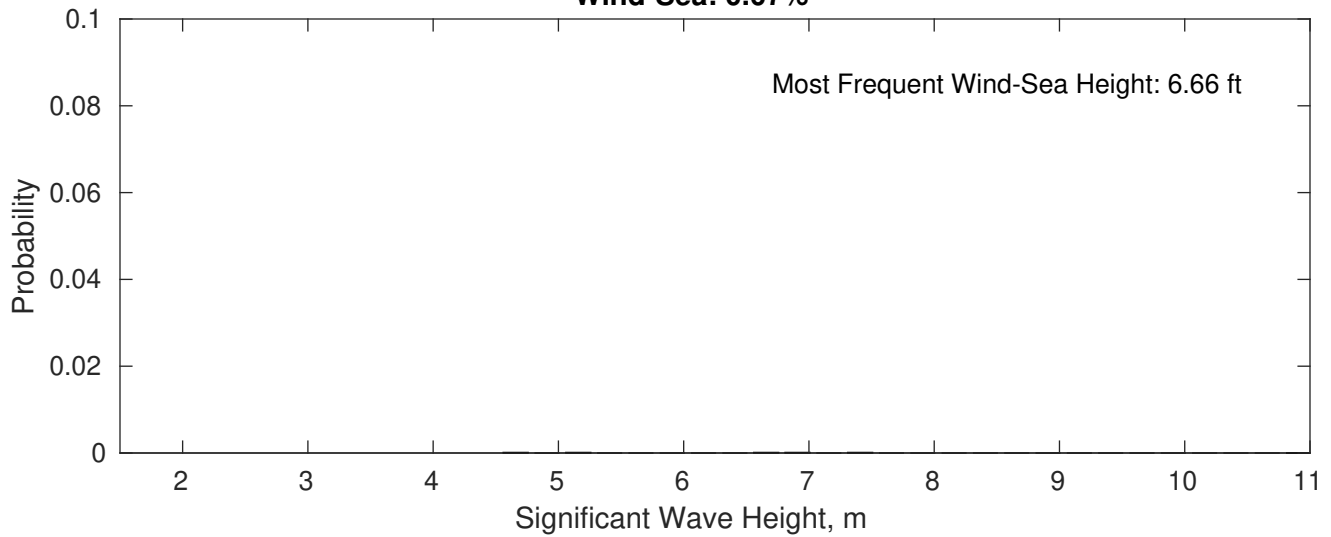




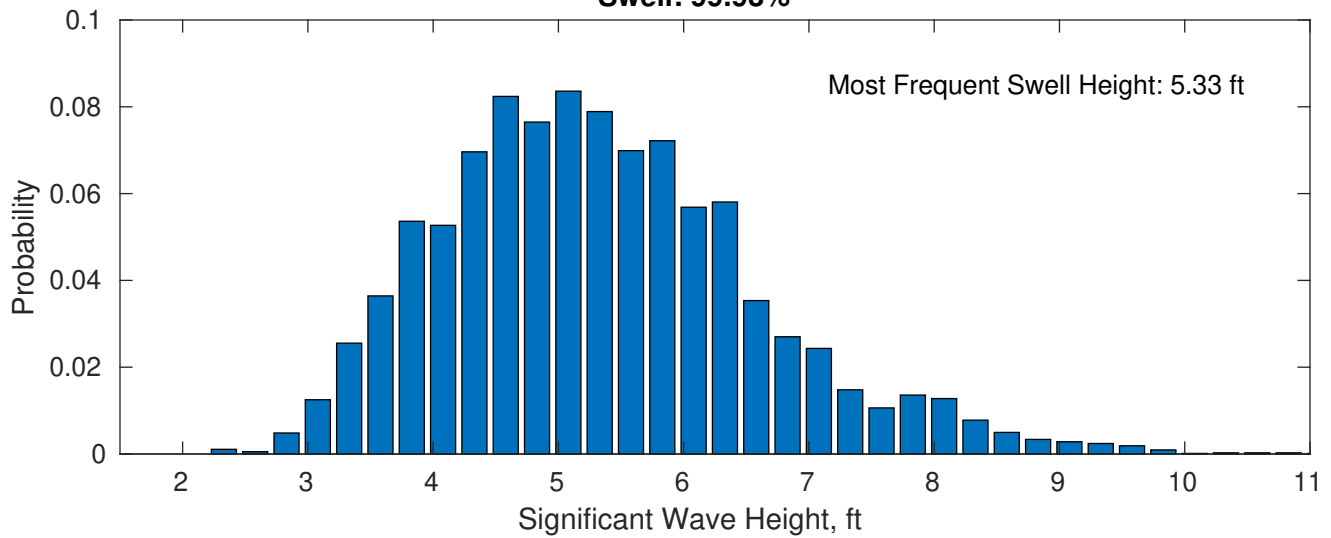
April Wave Height PDF: 1979 - 2015



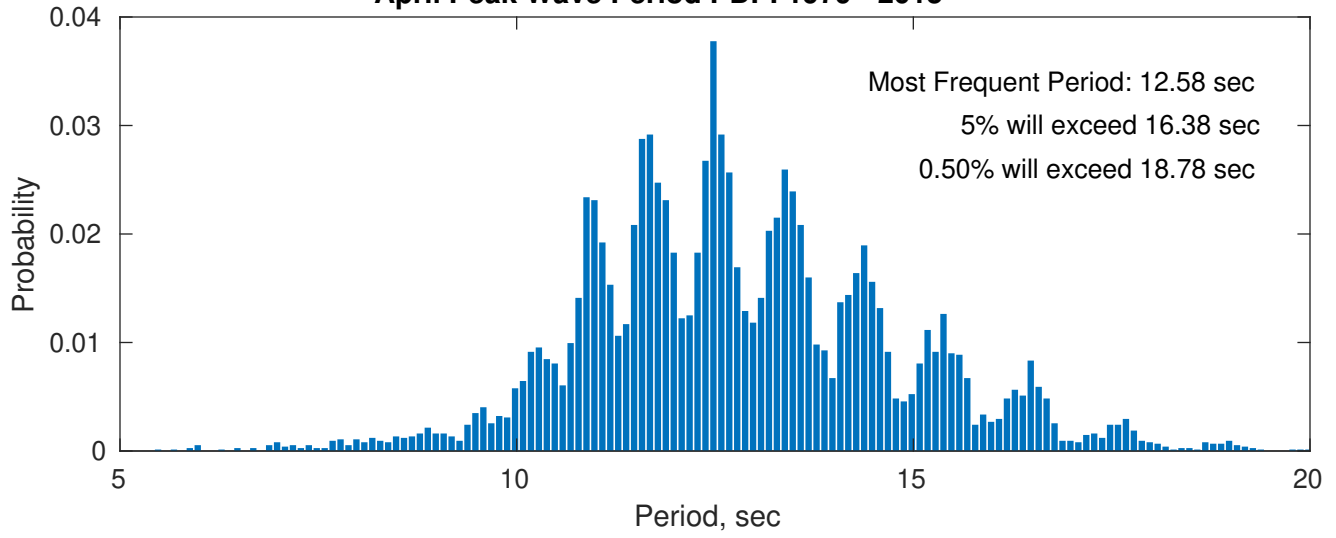
Wind-Sea: 0.07%



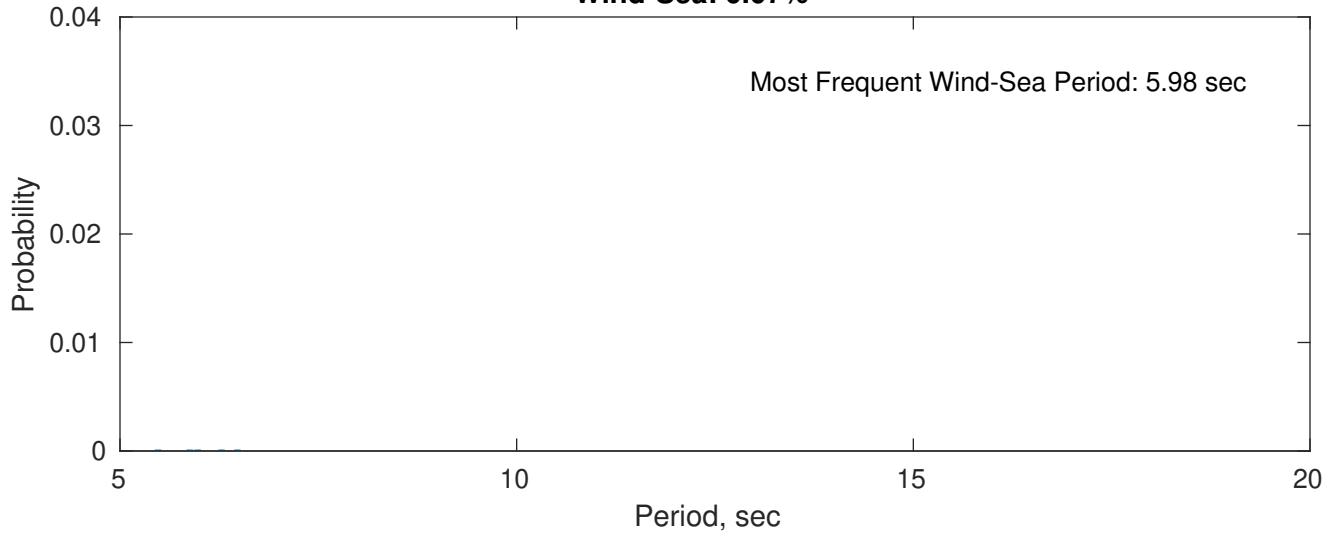
Swell: 99.93%



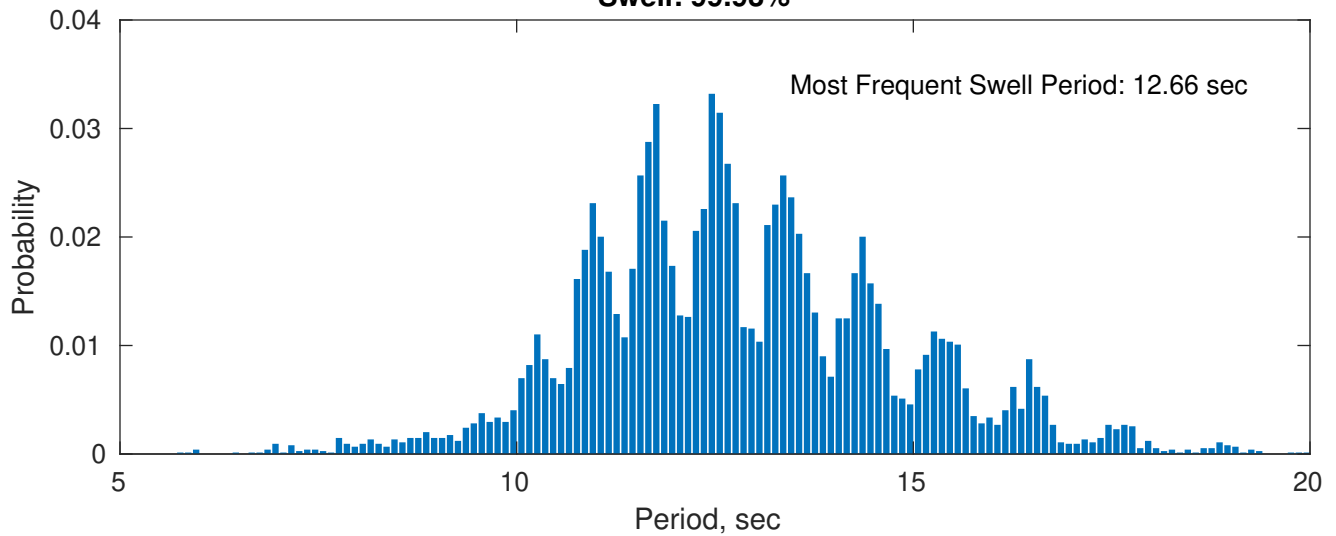
April Peak Wave Period PDF: 1979 - 2015



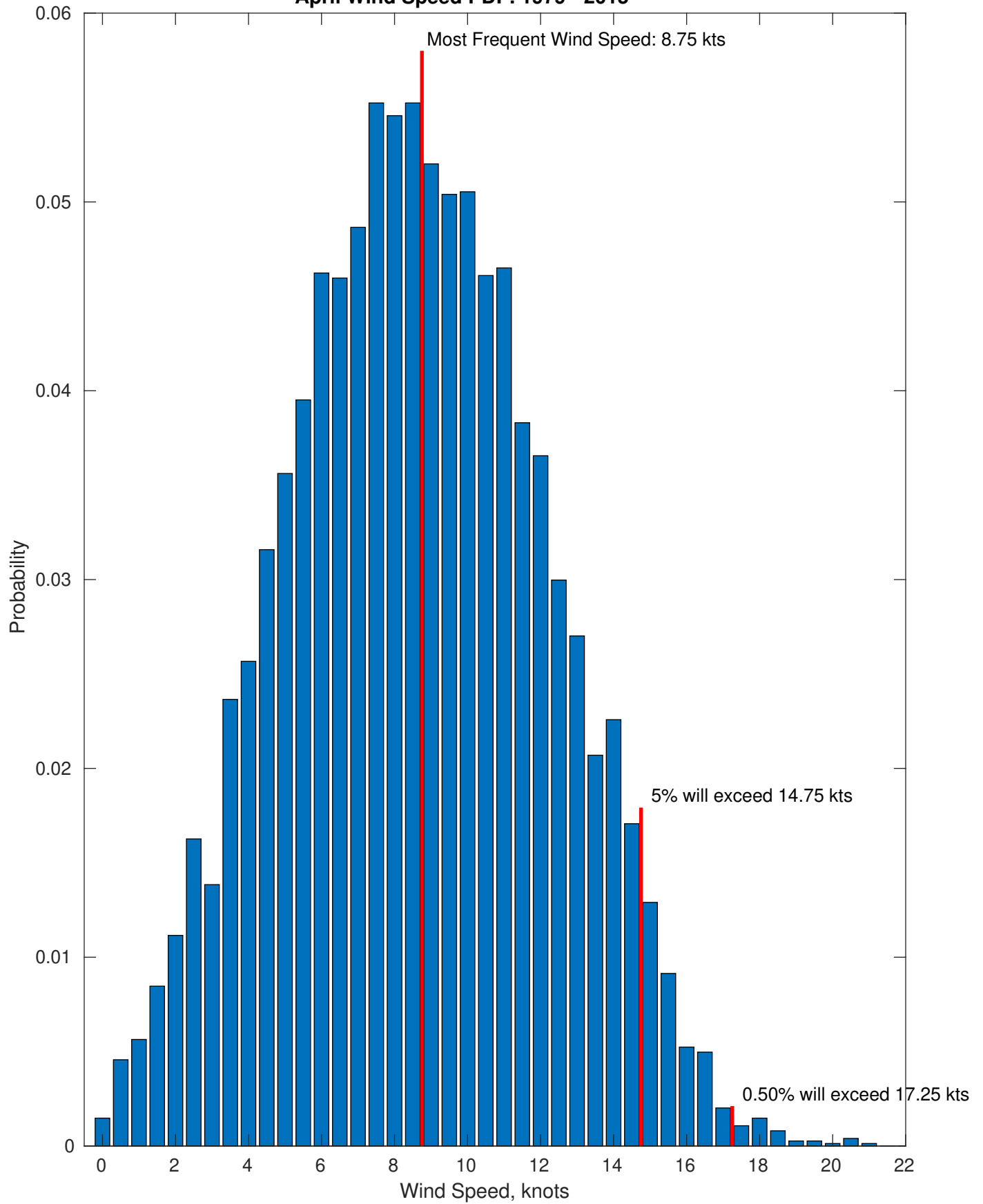
Wind-Sea: 0.07%



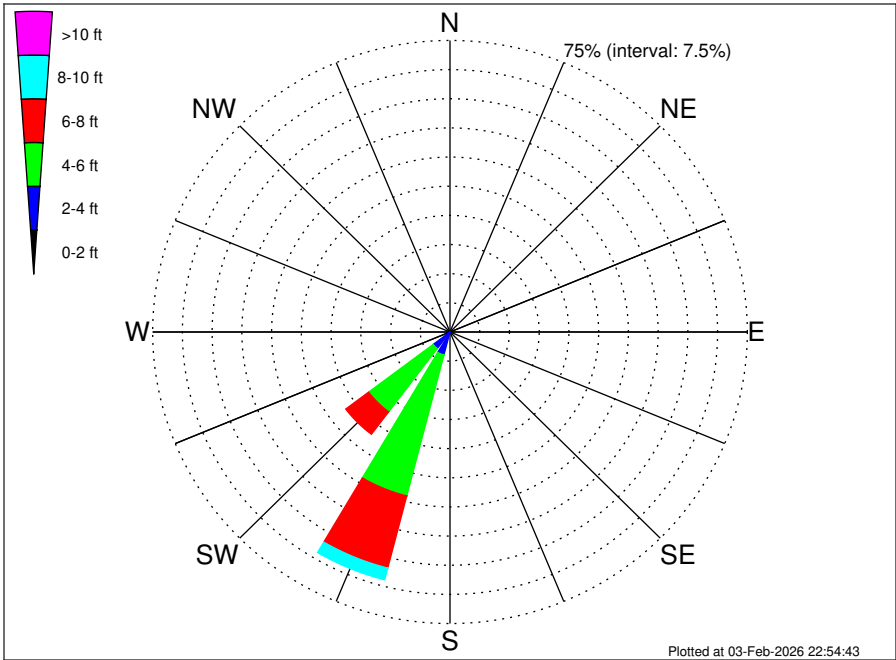
Swell: 99.93%



April Wind Speed PDF: 1979 - 2015



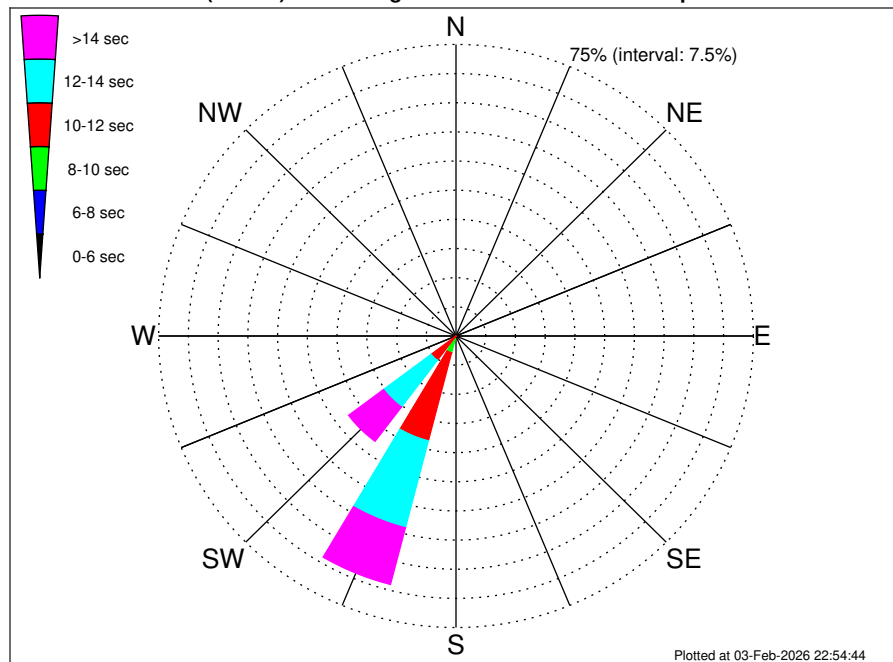
Angola Namibia CRS Luanda (BU-LU) Climatological WaveHeight Rose for April: 1979 - 2015



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	.	.	.	.	.	.	.	.	.	6.09	5.32	0.01	.	.	.	.	11.42
4 - 6 ft	.	.	.	.	.	.	.	.	0.01	37.47	20.39	0.05	.	.	.	.	57.93
6 - 8 ft	.	.	.	.	.	.	.	.	.	19.17	7.22	.	.	.	.	.	26.38
8 - 10 ft	.	.	.	.	.	.	.	.	.	3.10	0.98	.	.	.	.	.	4.09
10 - 12 ft	.	.	.	.	.	.	.	.	.	0.17	.	.	.	.	.	.	0.17
12 - 14 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	.	.	.	.	.	.	.	.	0.01	66.01	33.91	0.07	.	.	.	.	100.00

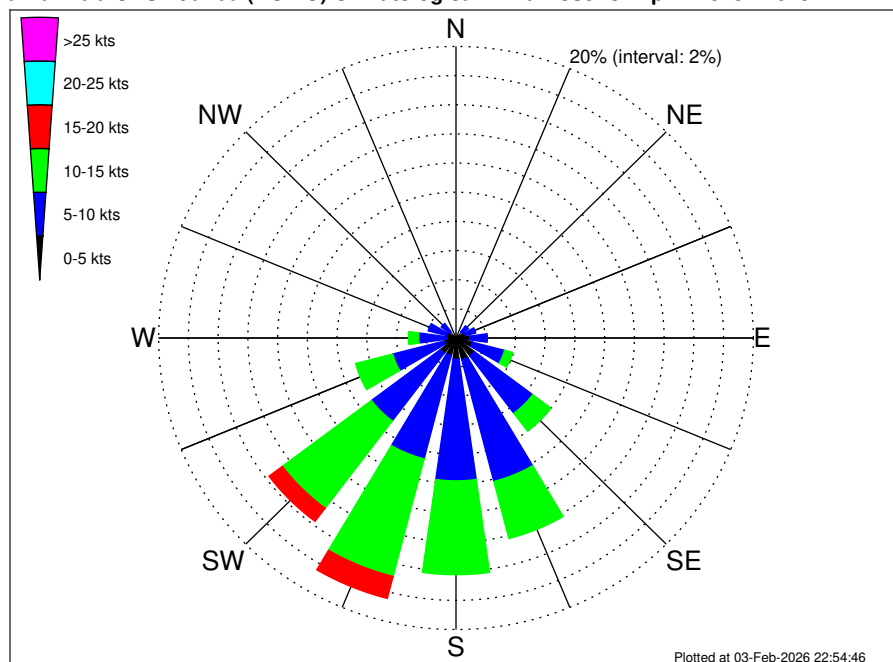
Angola Namibia CRS Luanda (BU-LU) Climatological WavePeriod Rose for April: 1979 - 2015



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	.	.	.	.	.	.	.	.	.	0.05	.	.	.	.	.	.	0.05
6 - 8 sec	.	.	.	.	.	.	.	.	.	0.78	.	.	.	.	.	.	0.78
8 - 10 sec	.	.	.	.	.	.	.	.	.	3.63	0.07	.	.	.	.	.	3.70
10 - 12 sec	.	.	.	.	.	.	.	.	.	23.37	7.77	.	.	.	.	.	31.14
12 - 14 sec	.	.	.	.	.	.	.	.	.	23.10	15.05	0.01	.	.	.	.	38.17
14 - 16 sec	.	.	.	.	.	.	.	.	.	10.93	8.32	0.03	.	.	.	.	19.27
18 - 20 sec	.	.	.	.	.	.	.	.	0.01	3.51	2.47	0.03	.	.	.	.	6.02
22 - 24 sec	.	.	.	.	.	.	.	.	.	0.63	0.23	.	.	.	.	.	0.86
Total	.	.	.	.	.	.	.	.	0.01	66.01	33.91	0.07	.	.	.	.	100.00

Angola Namibia CRS Luanda (BU-LU) 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	0.08	0.04	0.07	0.03	•	•	0.04	0.08	0.03	0.01	0.05	0.05	0.03	0.01	0.07	0.01	0.60
0 - 5 kts	0.38	0.43	0.47	0.63	0.93	1.14	1.51	1.47	1.44	1.24	1.26	0.79	0.56	0.69	0.46	0.24	13.63
5 - 10 kts	0.42	0.40	0.51	0.71	1.18	2.23	4.92	8.62	8.33	7.31	5.81	3.55	1.92	1.24	0.73	0.47	48.35
10 - 15 kts	0.23	0.08	0.13	0.16	0.30	0.56	1.53	4.05	6.44	8.33	7.50	2.58	0.69	0.36	0.42	0.17	33.53
15 - 20 kts	0.01	•	0.03	0.01	0.04	0.08	0.09	0.17	0.42	1.56	1.13	0.11	0.05	0.04	0.03	0.04	3.82
20 - 25 kts	0.01	•	•	•	•	•	0.03	•	0.01	0.01	•	•	•	•	•	•	0.07
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.13	0.95	1.21	1.55	2.45	4.02	8.12	14.38	16.67	18.47	15.75	7.08	3.25	2.34	1.69	0.94	100.00