

Angola Namibia CRS Luanda (BU-LU) - June

Latitude: 8.85 S Longitude: 12.41 E

Weather Days

Wave Height > 5.0 ft Mean: 10.2 days Range: 6.8 - 13.6 days p50:10.5 days p75:8 days p90:5.5 days
Wave Height > 6.5 ft Mean: 2.0 days Range: 0.2 - 3.7 days p50:3 days p75:1.5 days p90:0.5 days
Wave Height > 8.0 ft Mean: 0.2 days Range: 0.0 - 0.7 days p50:30 days p75:30 days p90:1 days

Wind Speed > 15.0 knots Mean: 2.3 days Range: 0.9 - 3.7 days p50:2.5 days p75:1.5 days p90:1 days
Wind Speed > 20.0 knots Mean: 0.0 days Range: 0.0 - 0.0 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 1.6 times per month A 2 day or longer window will statistically occur 0.8 times per month A 3 day or longer window will statistically occur 0.4 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 3.5 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 2.1 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 2.4 times per month A 2 day or longer window will statistically occur 2.1 times per month A 3 day or longer window will statistically occur 2.0 times per month

Waves

Mean Height: 6 - 8 ft
The wave heights will occasionally reach 10 - 12 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: SW

Currents

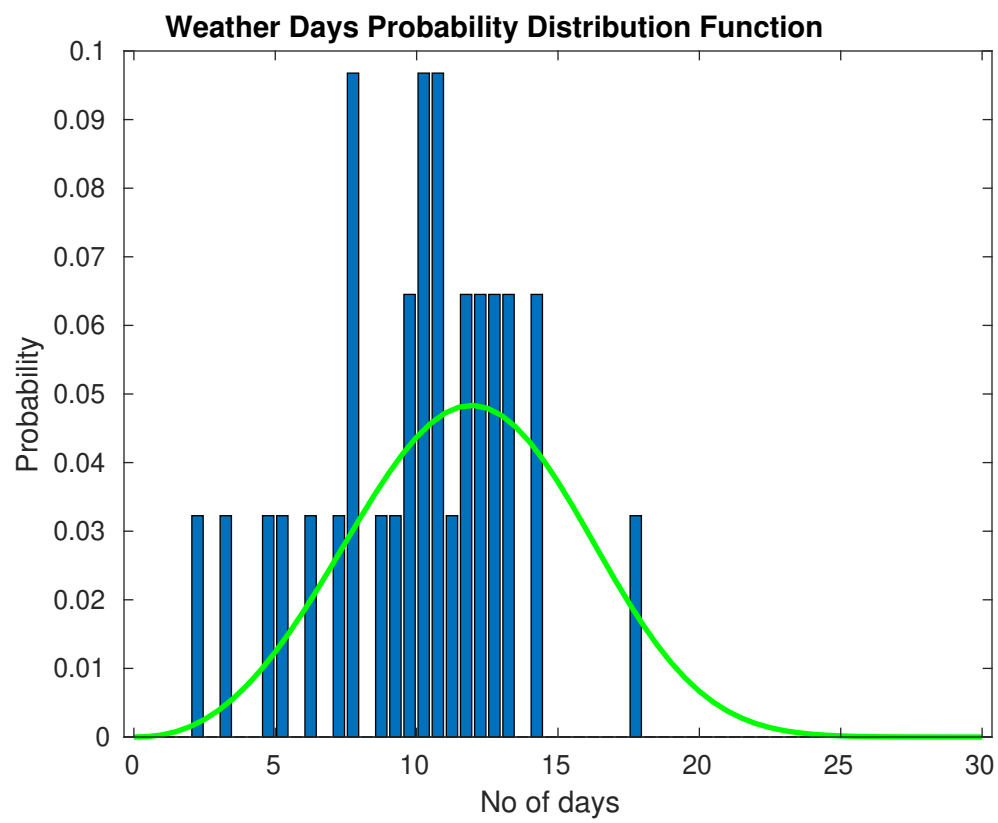
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.50-1.75 kts, but rarely greater.
Principle Direction, to: NNW

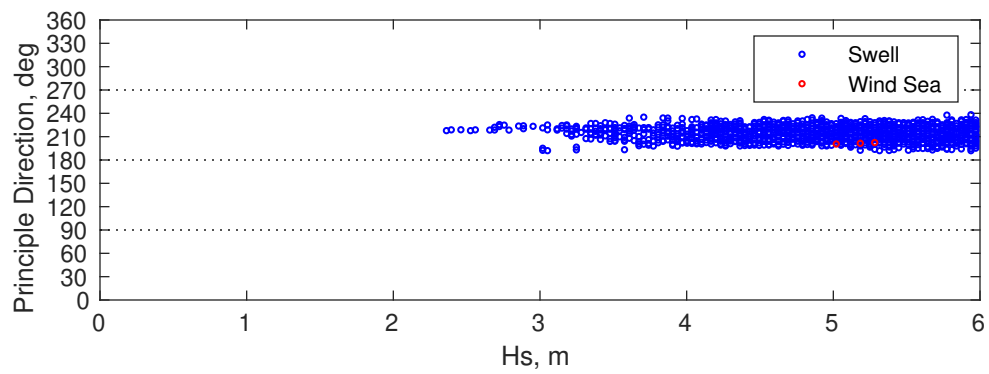
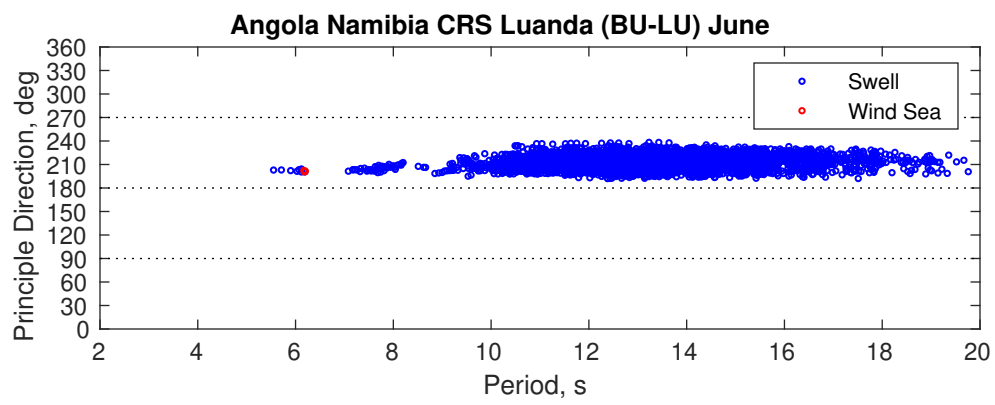
Weather Days

Current Speed > 0.5 knots Mean: 12.0 days Range: 3.3 - 20.7 days p50:10 days p75:6 days p90:2 days
Current Speed > 1.0 knots Mean: 2.6 days Range: 0.0 - 8.1 days p50:1 days p75:1 days p90:1 days
Current Speed > 1.5 knots Mean: 0.2 days Range: 0.0 - 0.9 days p50:1 days p75:1 days p90:1 days

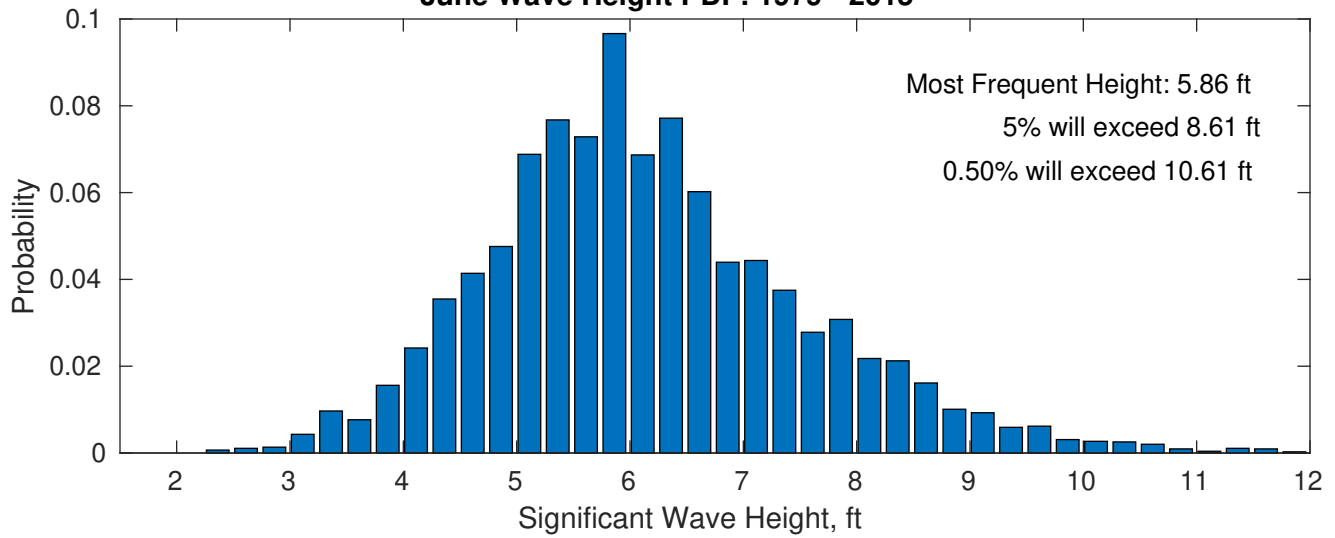
Severe Storms

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

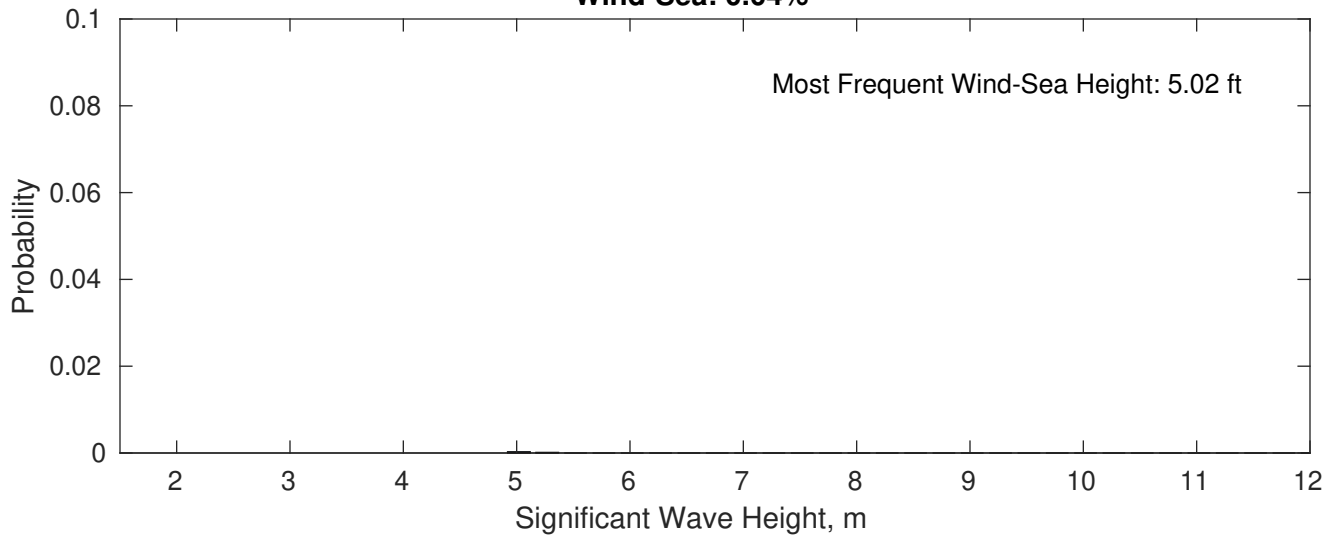




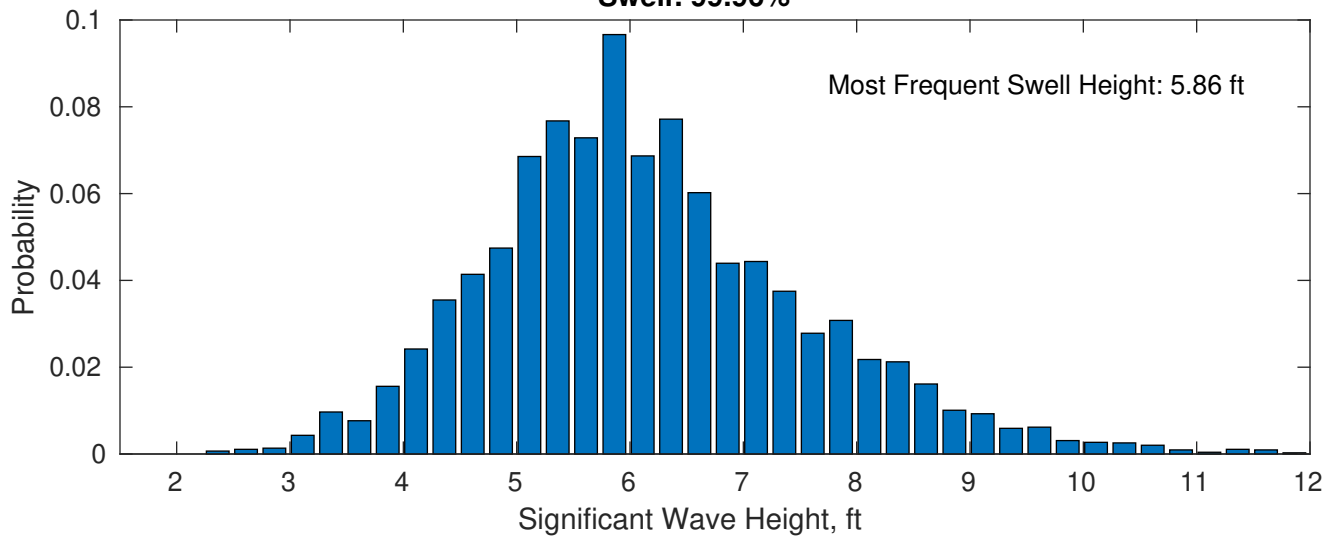
June Wave Height PDF: 1979 - 2015



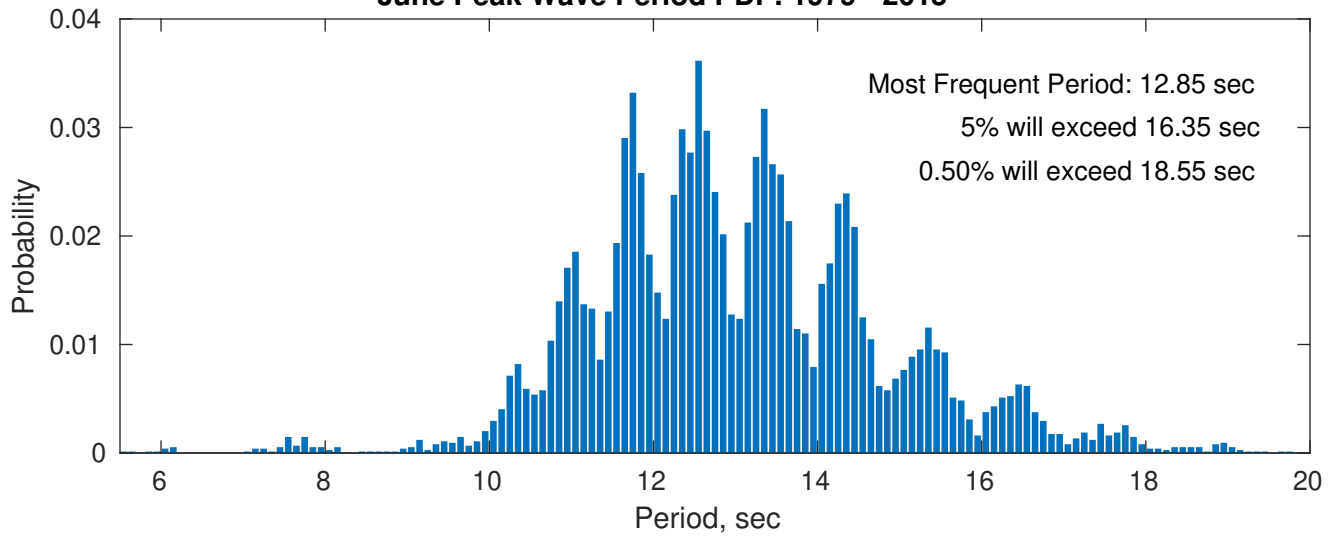
Wind-Sea: 0.04%



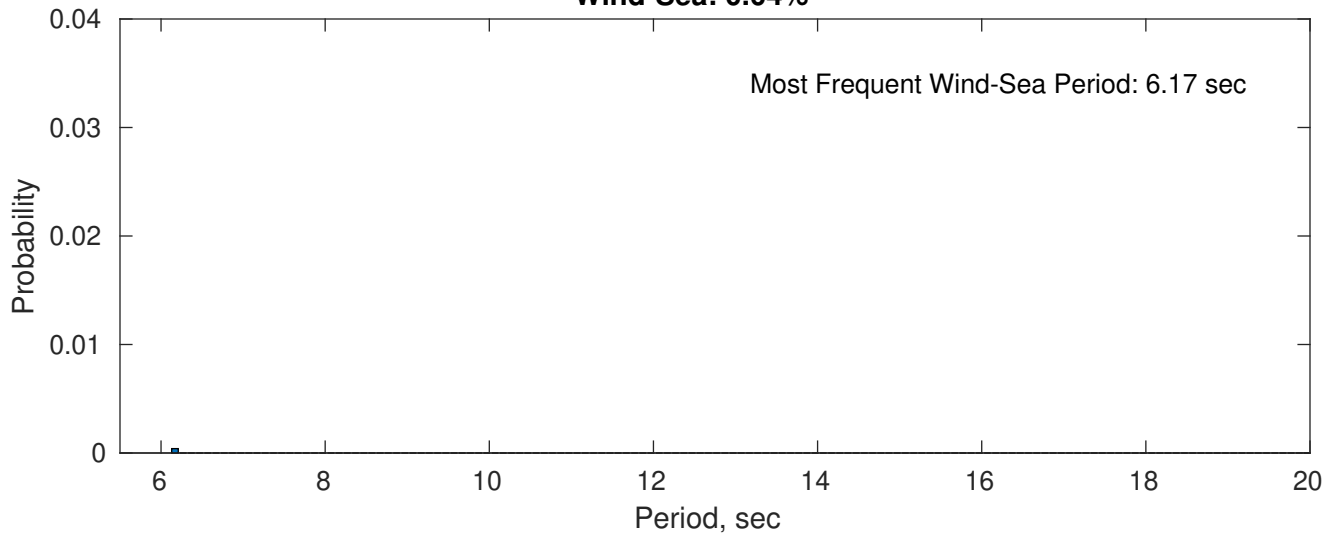
Swell: 99.96%



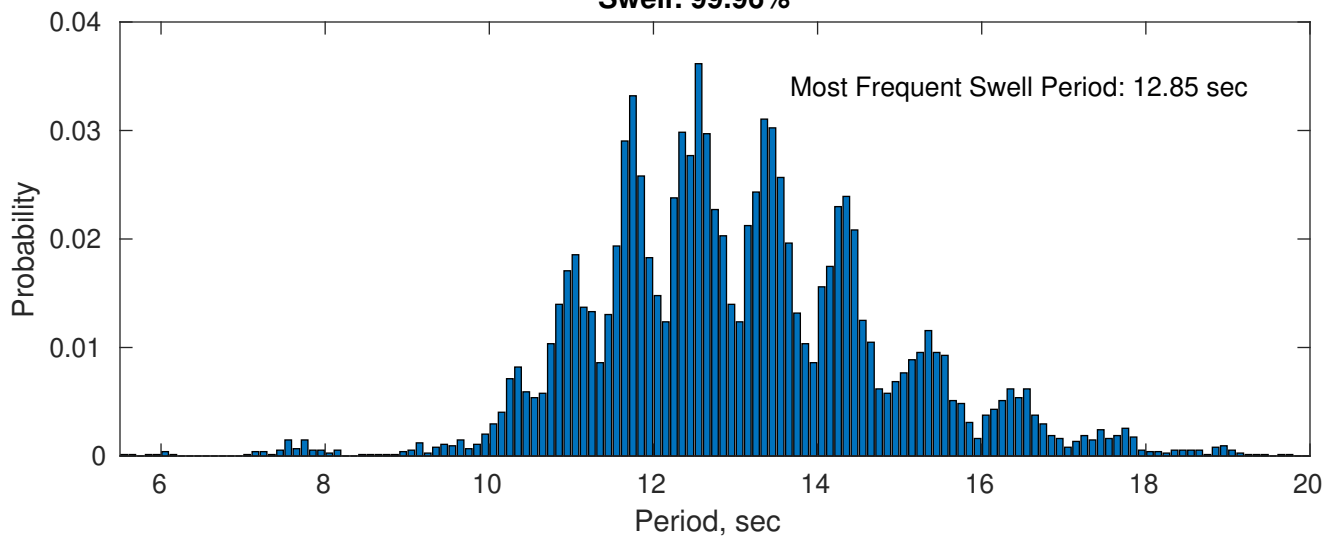
June Peak Wave Period PDF: 1979 - 2015



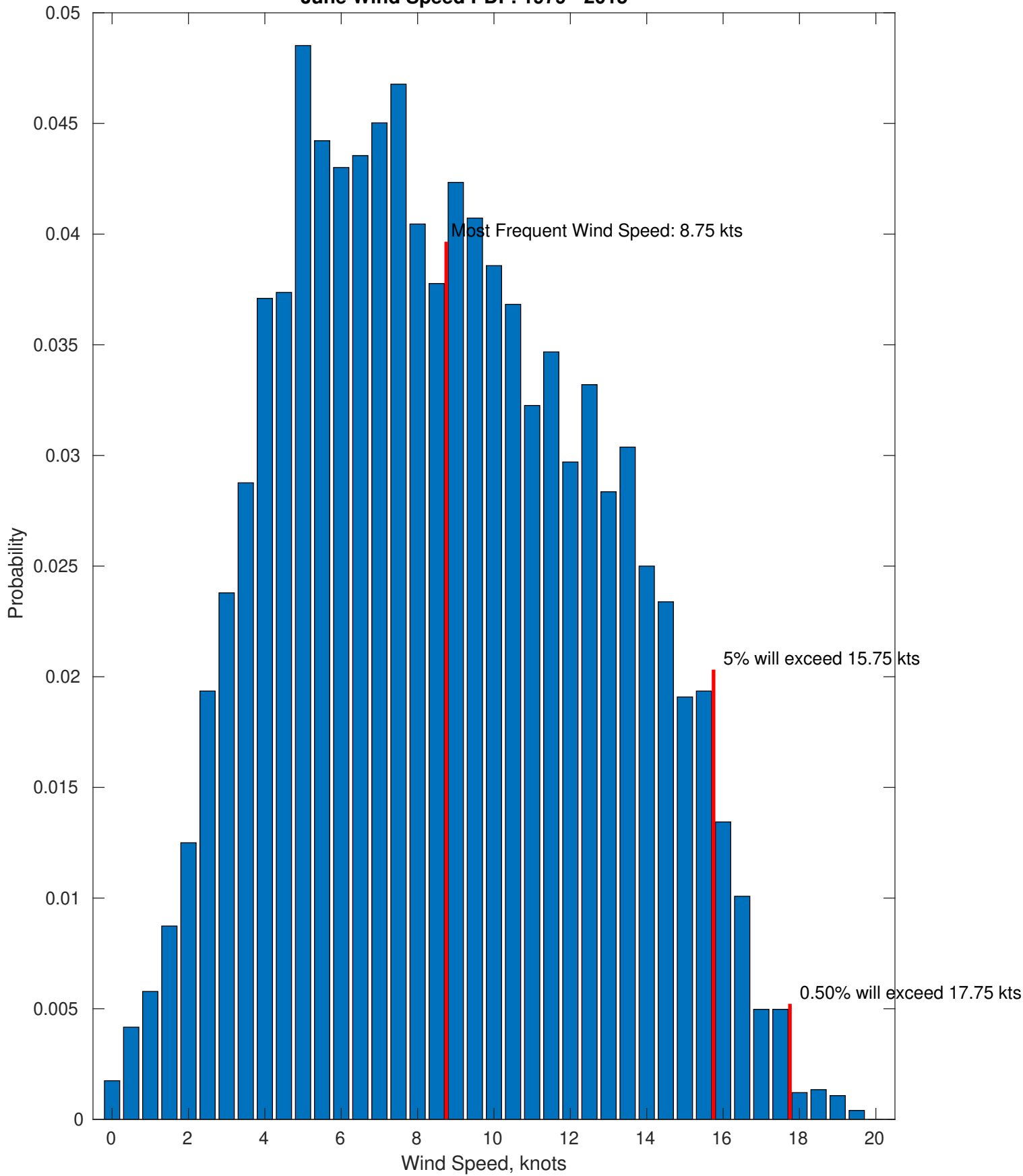
Wind-Sea: 0.04%



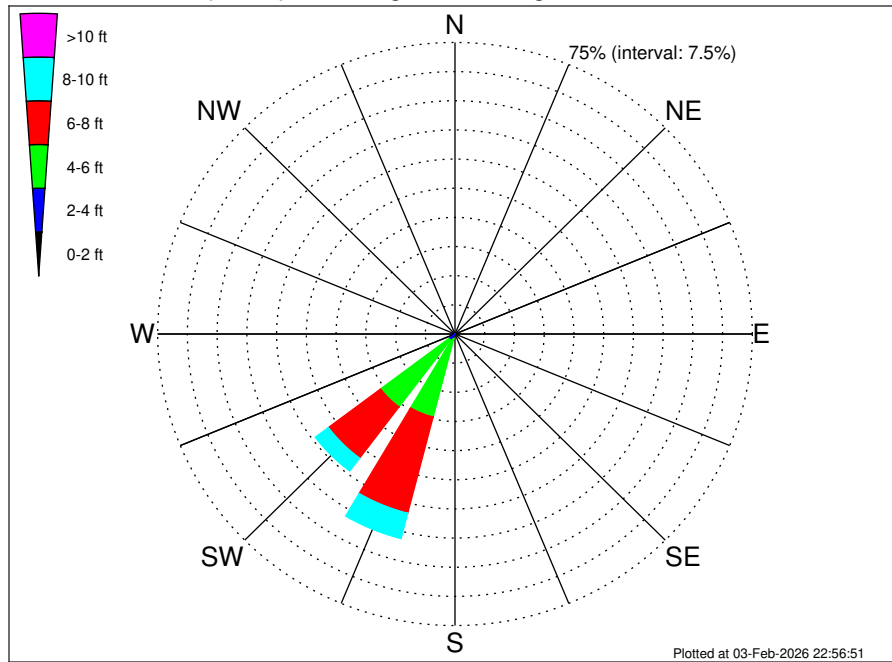
Swell: 99.96%



June Wind Speed PDF: 1979 - 2015



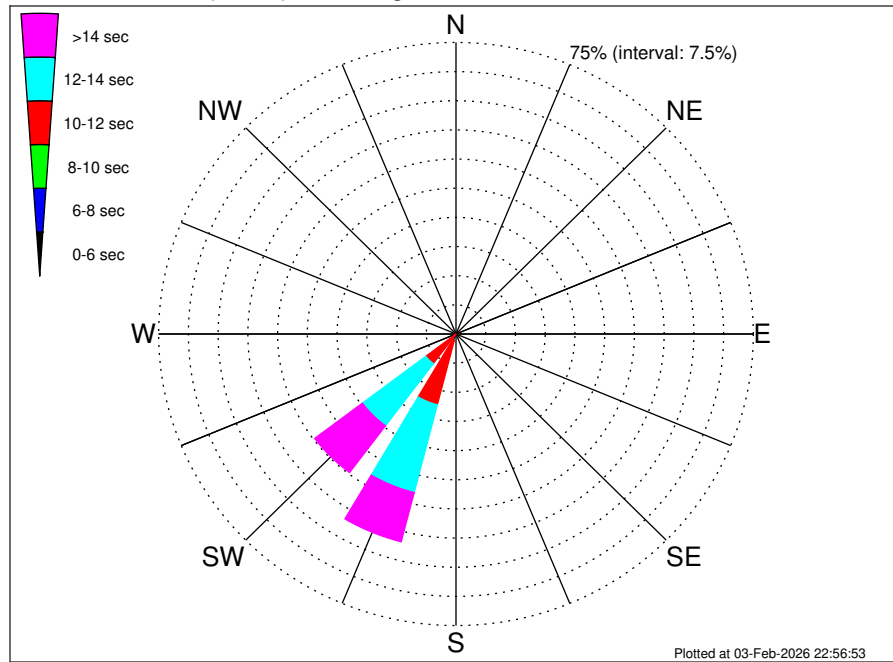
Angola Namibia CRS Luanda (BU-LU) Climatological WaveHeight Rose for June: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	1.25	1.94	•	•	•	•	•	3.19
4 - 6 ft	•	•	•	•	•	•	•	•	•	20.81	21.56	0.03	•	•	•	•	42.39
6 - 8 ft	•	•	•	•	•	•	•	•	•	25.56	16.49	0.15	•	•	•	•	42.20
8 - 10 ft	•	•	•	•	•	•	•	•	•	6.73	4.14	•	•	•	•	•	10.87
10 - 12 ft	•	•	•	•	•	•	•	•	•	0.74	0.48	•	•	•	•	•	1.22
12 - 14 ft	•	•	•	•	•	•	•	•	•	0.11	0.01	•	•	•	•	•	0.12
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	•	•	55.20	44.62	0.17	•	•	•	•	100.00

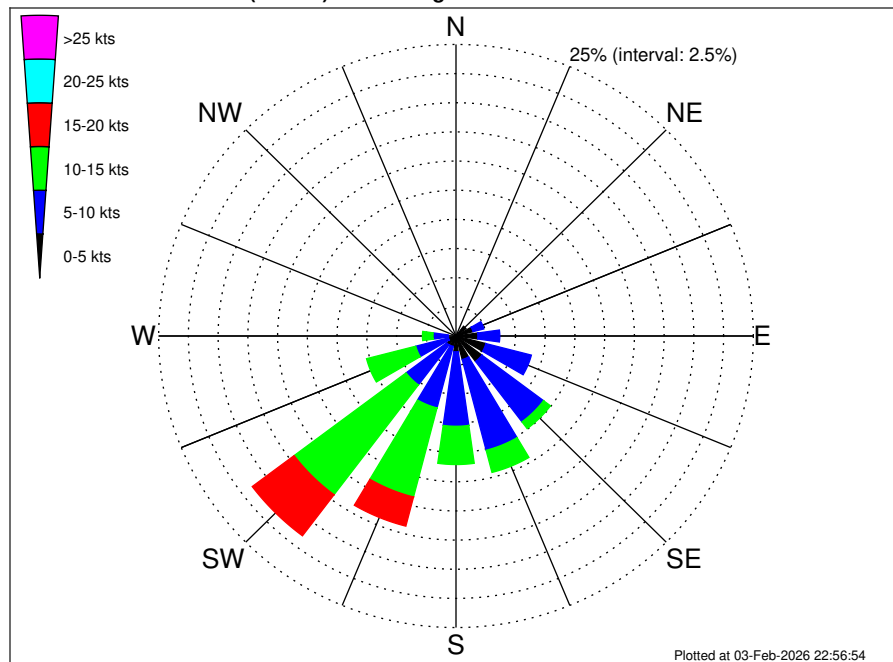
Angola Namibia CRS Luanda (BU-LU) Climatological WavePeriod Rose for June: 1979 - 2015



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
6 - 8 sec	•	•	•	•	•	•	•	•	•	0.71	•	•	•	•	•	•	0.71
8 - 10 sec	•	•	•	•	•	•	•	•	•	0.98	0.13	•	•	•	•	•	1.12
10 - 12 sec	•	•	•	•	•	•	•	•	•	17.07	9.40	0.08	•	•	•	•	26.55
12 - 14 sec	•	•	•	•	•	•	•	•	•	23.33	20.05	0.09	•	•	•	•	43.48
14 - 16 sec	•	•	•	•	•	•	•	•	•	10.23	11.34	•	•	•	•	•	21.57
18 - 20 sec	•	•	•	•	•	•	•	•	•	2.39	3.37	•	•	•	•	•	5.77
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.44	0.32	•	•	•	•	•	0.77
Total	•	•	•	•	•	•	•	•	•	55.20	44.62	0.17	•	•	•	•	100.00

Angola Namibia CRS Luanda (BU-LU) 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	0.04	0.01	0.04	0.07	0.07	0.04	0.11	0.01	0.07	0.04	0.01	0.01	0.03	0.03	•	0.01	0.59
0 - 5 kts	0.27	0.35	1.01	1.41	1.77	2.55	2.62	2.07	1.29	0.89	0.95	0.65	0.62	0.56	0.17	0.15	17.34
5 - 10 kts	0.07	0.30	0.50	0.94	1.84	3.95	6.49	8.04	6.38	5.44	4.29	2.84	1.29	0.54	0.27	0.07	43.24
10 - 15 kts	•	•	0.01	•	0.04	0.17	0.73	1.96	3.28	7.89	11.79	4.27	0.89	0.17	0.03	•	31.24
15 - 20 kts	•	•	•	•	•	•	•	0.04	0.15	2.58	4.41	0.39	0.03	•	•	•	7.59
20 - 25 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.38	0.66	1.56	2.42	3.72	6.72	9.95	12.12	11.17	16.84	21.45	8.16	2.85	1.30	0.47	0.23	100.00