

Angola Namibia CRS Mocamedes (BU-MO) - July

Latitude: 15.12 S Longitude: 11.03 E

Weather Days

Wave Height > 5.0 ft Mean: 21.6 days Range: 17.8 - 25.5 days p50:22.5 days p75:19.5 days p90:16.5 days
Wave Height > 6.5 ft Mean: 14.5 days Range: 10.3 - 18.7 days p50:14.5 days p75:11 days p90:10.5 days
Wave Height > 8.0 ft Mean: 7.7 days Range: 4.4 - 10.9 days p50:7 days p75:5.5 days p90:4.5 days

Wind Speed > 15.0 knots Mean: 12.0 days Range: 8.4 - 15.6 days p50:12.5 days p75:9.5 days p90:8 days
Wind Speed > 20.0 knots Mean: 2.6 days Range: 1.2 - 4.0 days p50:3 days p75:2 days p90:1 days
Wind Speed > 25.0 knots Mean: 0.2 days Range: 0.0 - 0.4 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 0.2 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 2.0 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 3.4 times per month A 2 day or longer window will statistically occur 2.3 times per month A 3 day or longer window will statistically occur 1.7 times per month

Waves

Mean Height: 8 - 10 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: 4% / 96%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 25 - 30 kts, but rarely greater.
Principle Direction, from: S

Currents

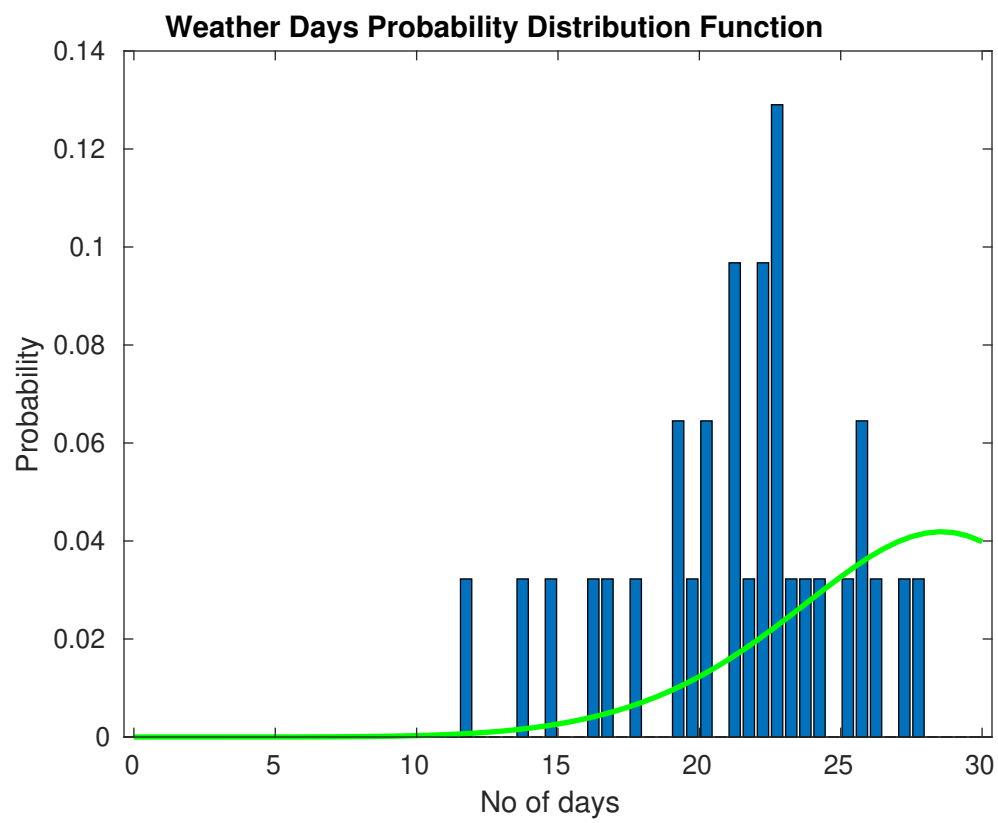
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 0.75-1.00 kts, but rarely greater.
Principle Direction, to: NW

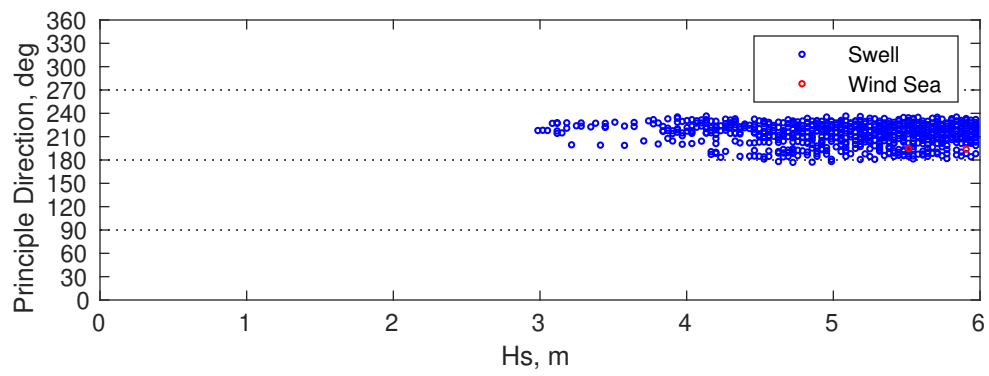
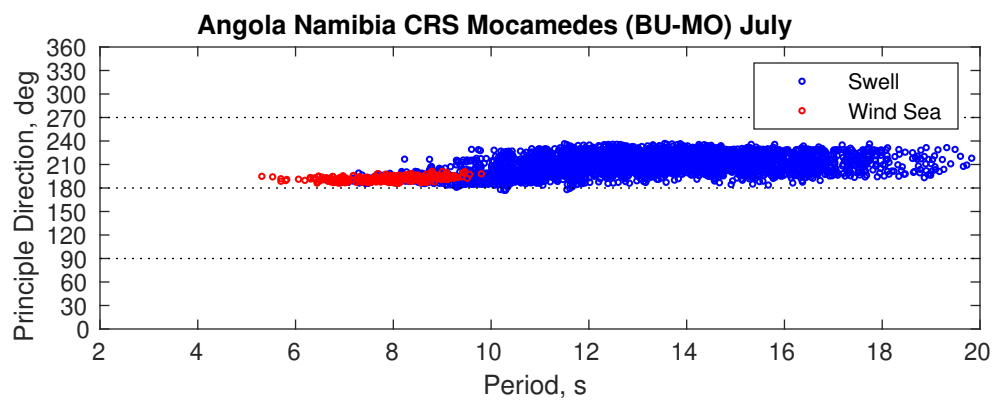
Weather Days

Current Speed > 0.5 knots Mean: 4.7 days Range: 1.2 - 8.1 days p50:5 days p75:3 days p90:2 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

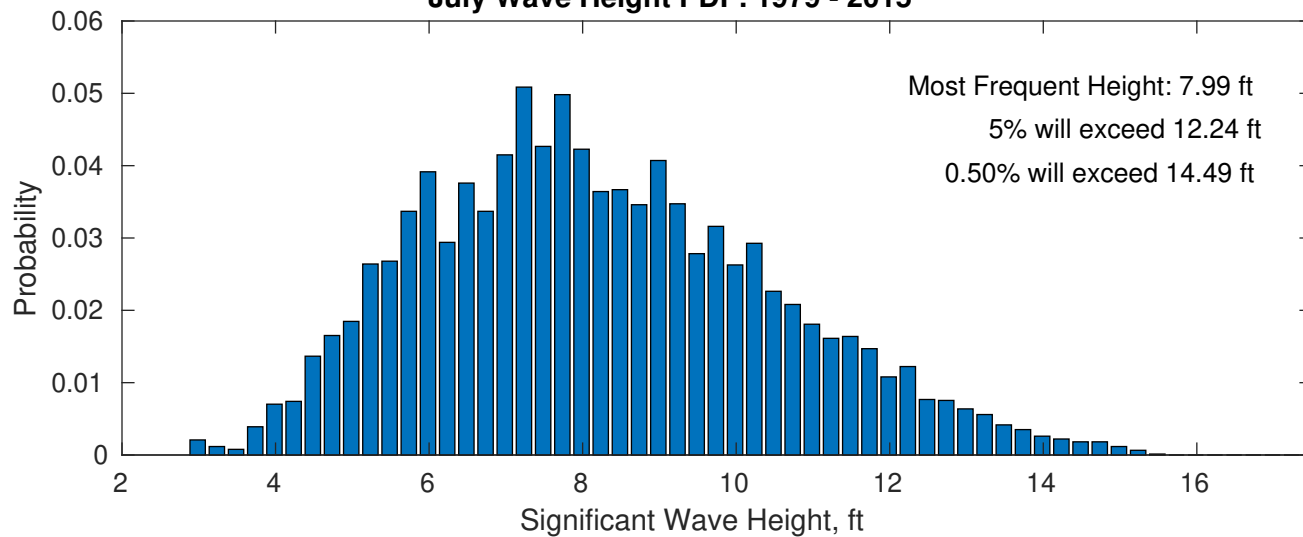
Severe Storms

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

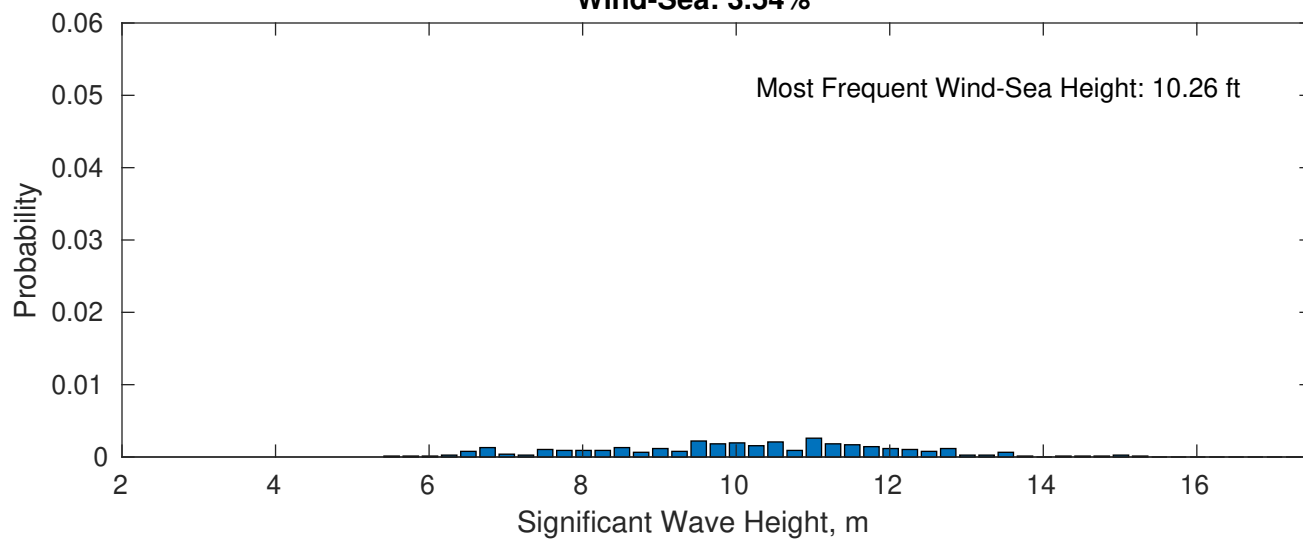




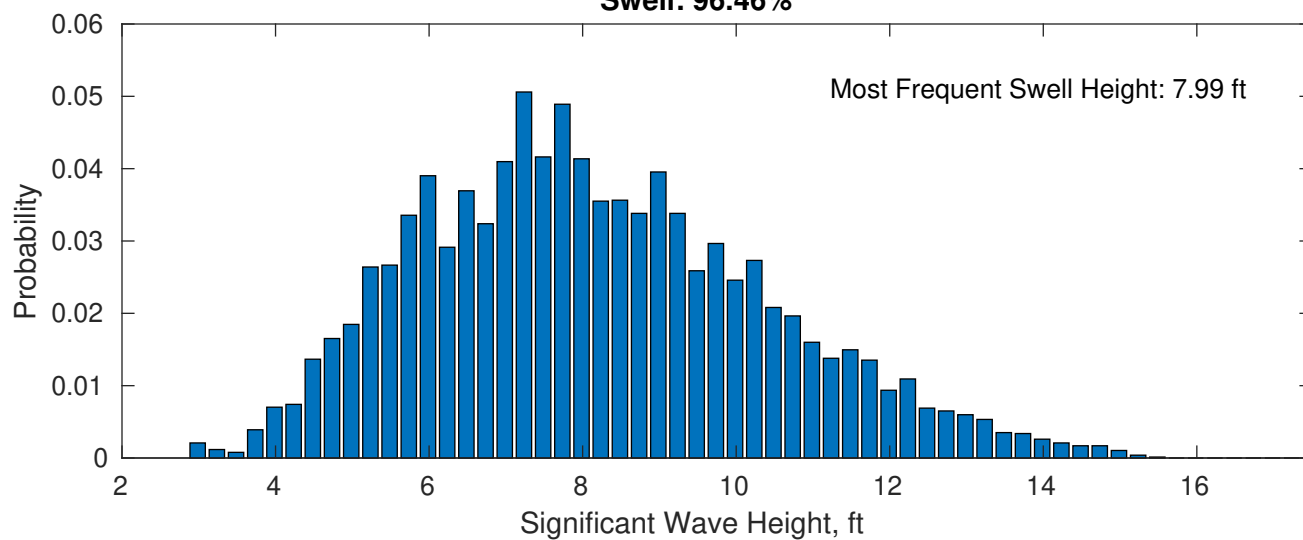
July Wave Height PDF: 1979 - 2015



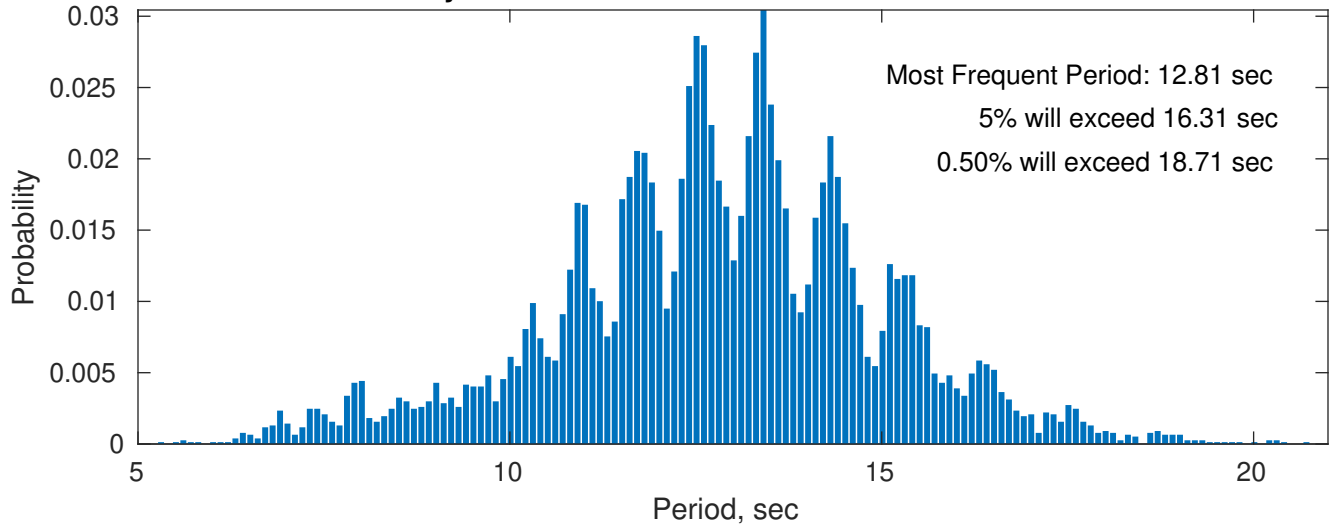
Wind-Sea: 3.54%



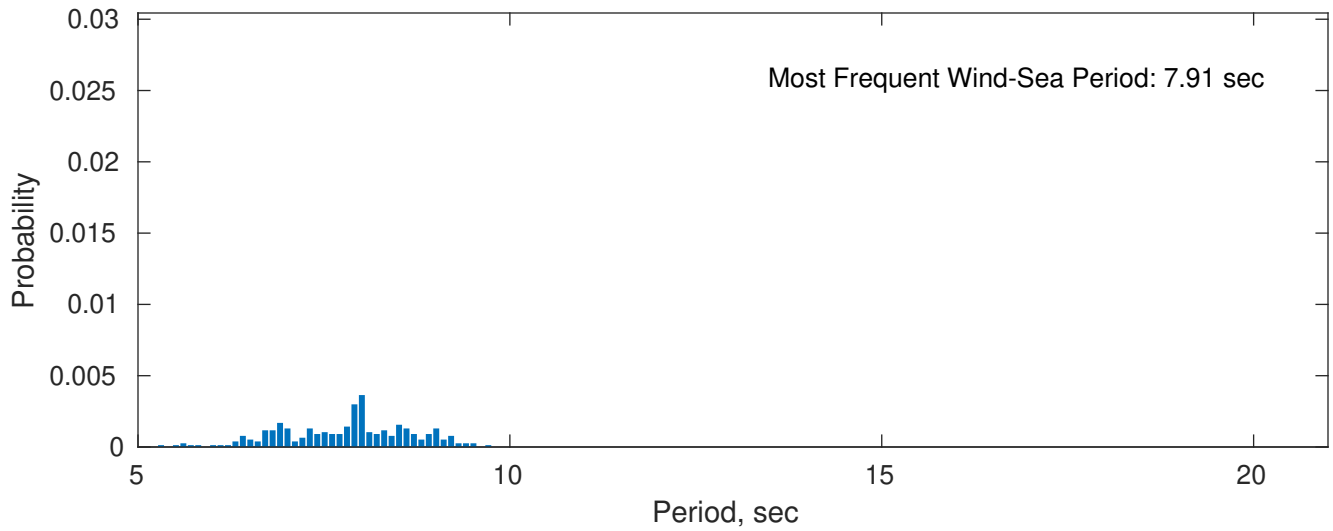
Swell: 96.46%



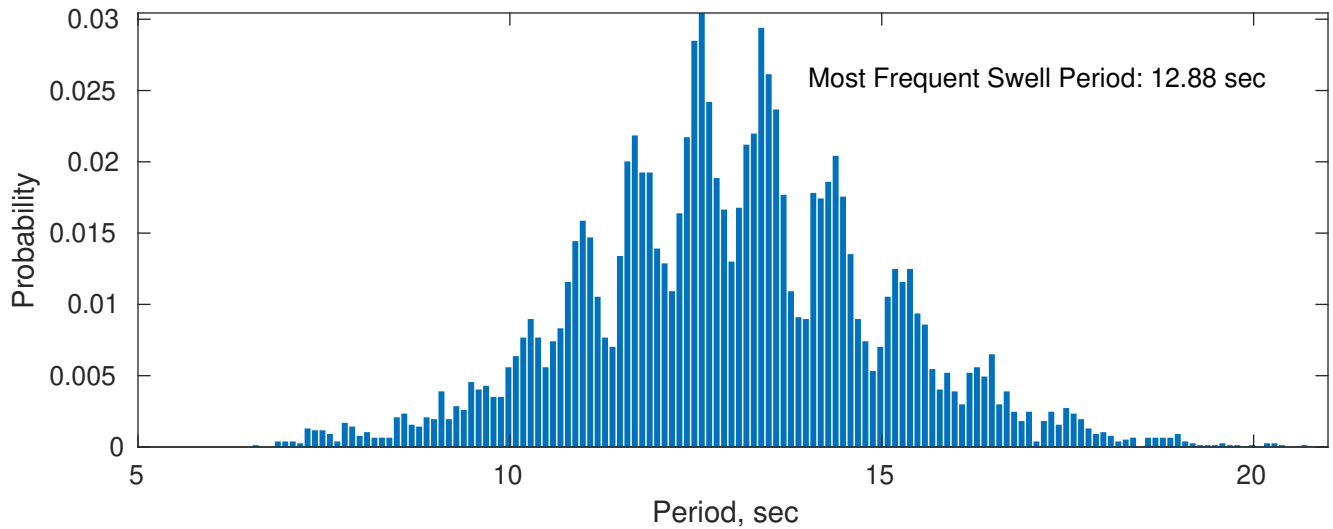
July Peak Wave Period PDF: 1979 - 2015



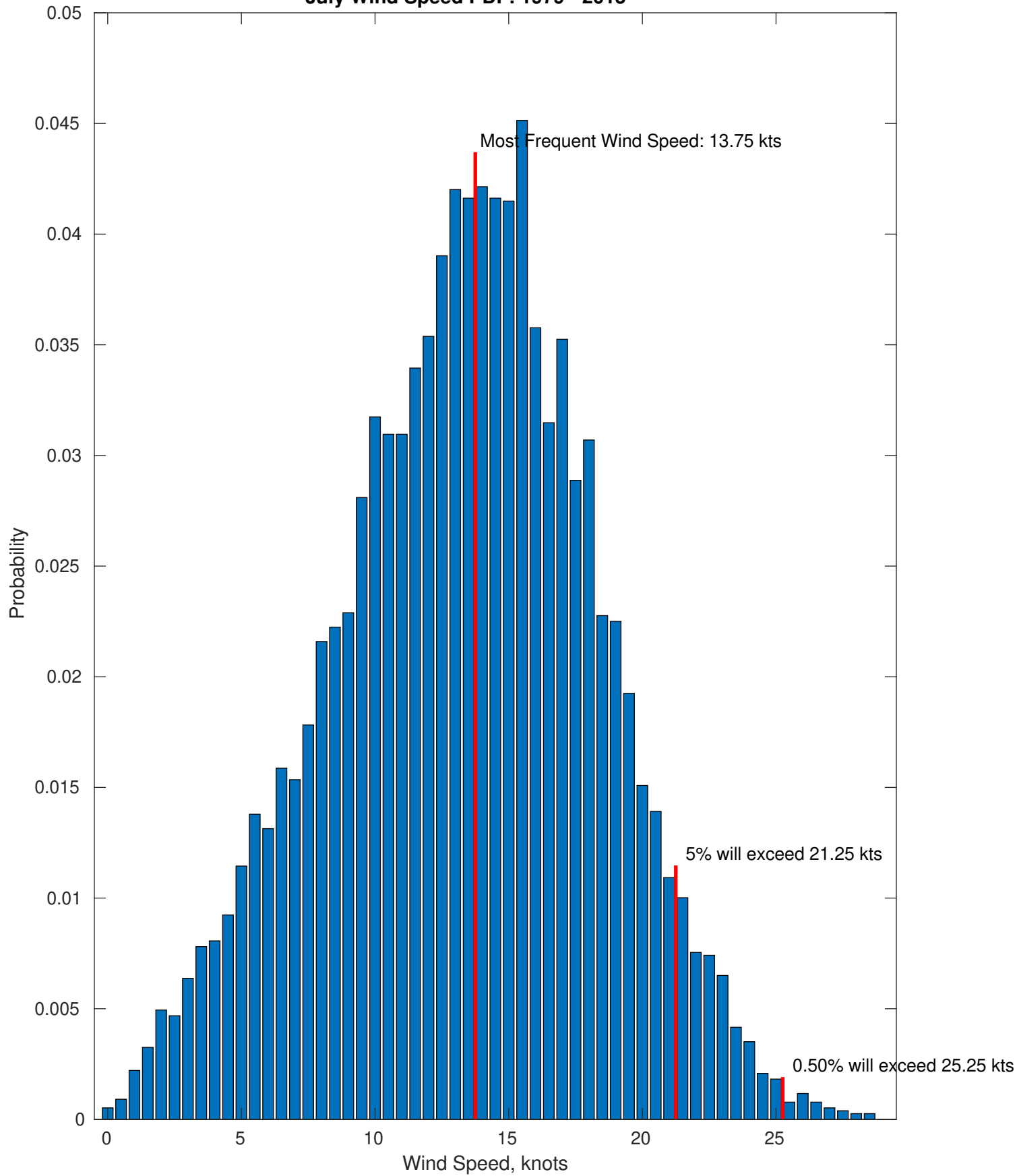
Wind-Sea: 3.54%



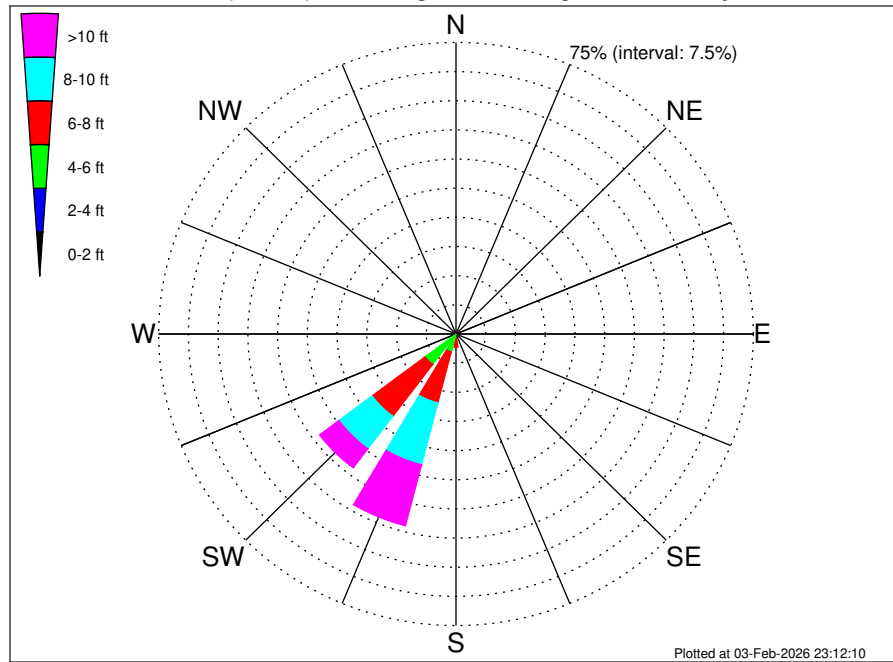
Swell: 96.46%



July Wind Speed PDF: 1979 - 2015



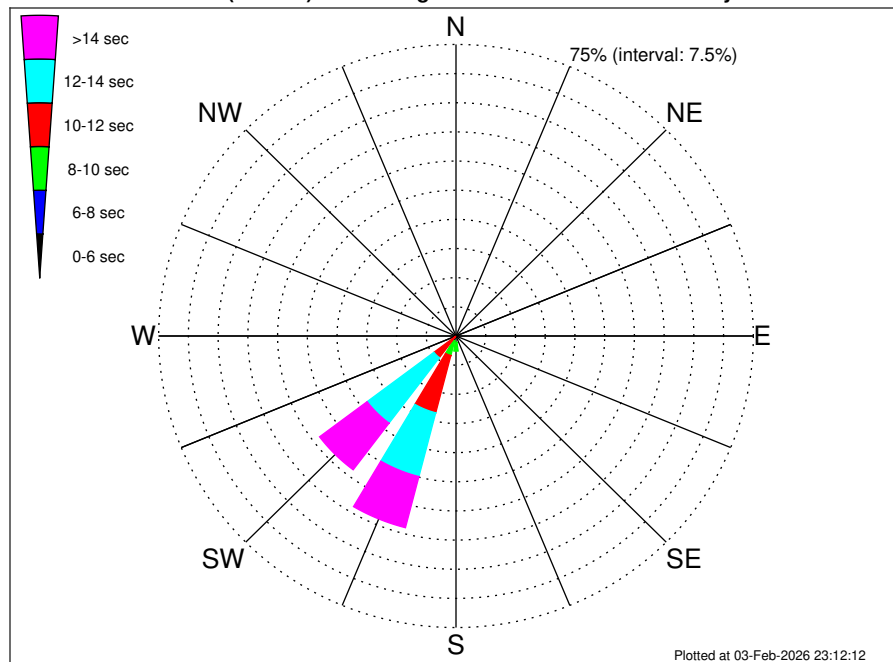
Angola Namibia CRS Mocamedes (BU-MO) Climatological WaveHeight Rose for July: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	0.14	0.65	•	•	•	•	•	0.79
4 - 6 ft	•	•	•	•	•	•	•	•	1.21	4.63	9.13	0.03	•	•	•	•	15.00
6 - 8 ft	•	•	•	•	•	•	•	•	2.20	13.54	16.73	•	•	•	•	•	32.47
8 - 10 ft	•	•	•	•	•	•	•	•	1.53	16.44	10.48	0.03	•	•	•	•	28.49
10 - 12 ft	•	•	•	•	•	•	•	•	0.81	11.19	4.44	•	•	•	•	•	16.43
12 - 14 ft	•	•	•	•	•	•	•	•	0.14	4.18	1.47	•	•	•	•	•	5.79
14 - 16 ft	•	•	•	•	•	•	•	•	0.03	0.82	0.20	•	•	•	•	•	1.04
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	•	5.92	50.94	43.09	0.05	•	•	•	•	100.00

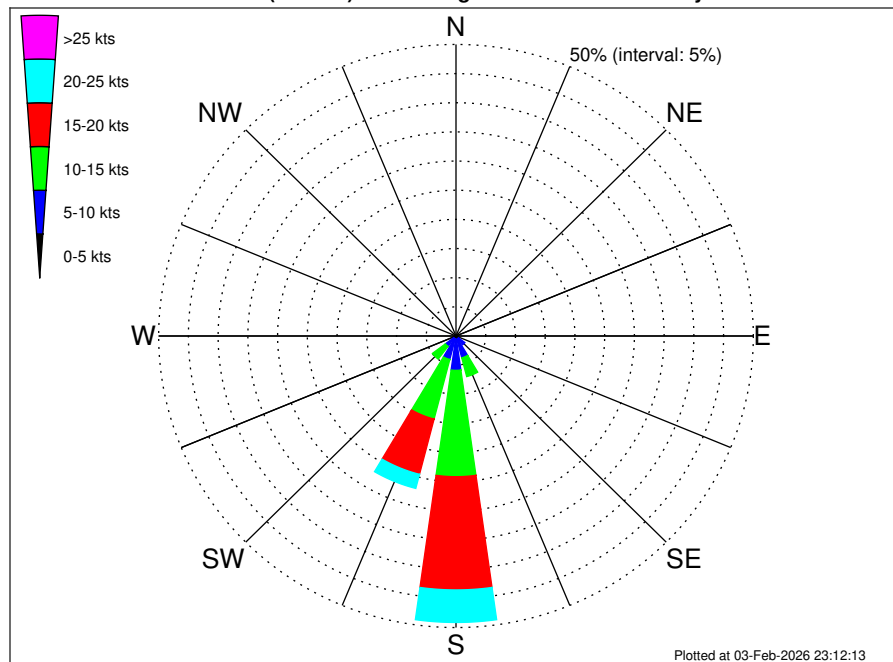
Angola Namibia CRS Mocamedes (BU-MO) Climatological WavePeriod Rose for July: 1979 - 2015



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	•	•	•	•	•	•	0.08
6 - 8 sec	•	•	•	•	•	•	•	•	1.61	1.21	•	•	•	•	•	•	2.82
8 - 10 sec	•	•	•	•	•	•	•	•	2.24	3.94	0.23	•	•	•	•	•	6.41
10 - 12 sec	•	•	•	•	•	•	•	•	1.65	15.22	6.74	0.01	•	•	•	•	23.62
12 - 14 sec	•	•	•	•	•	•	•	•	0.18	16.95	21.10	0.04	•	•	•	•	38.27
14 - 16 sec	•	•	•	•	•	•	•	•	0.14	10.21	11.77	•	•	•	•	•	22.13
18 - 20 sec	•	•	•	•	•	•	•	•	0.05	2.89	2.81	•	•	•	•	•	5.75
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.48	0.44	•	•	•	•	•	0.92
Total	•	•	•	•	•	•	•	•	5.92	50.94	43.09	0.05	•	•	•	•	100.00

Angola Namibia CRS Mocamedes (BU-MO) Climatological Wind Rose for July: 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	•	•	•	•	•	0.04	0.01	0.05	0.01	•	•	0.01	•	•	•	0.14
0 - 5 kts	0.08	0.10	0.07	0.13	0.26	0.34	0.49	0.53	0.62	0.49	0.49	0.40	0.20	0.22	0.12	0.10	4.66
5 - 10 kts	0.08	0.04	0.01	0.05	0.25	0.66	1.34	3.32	5.22	3.66	1.74	0.87	0.52	0.27	0.13	0.07	18.22
10 - 15 kts	•	•	0.01	•	0.04	0.35	1.01	3.33	18.24	10.55	2.73	0.40	0.16	0.08	0.04	•	36.94
15 - 20 kts	•	•	•	•	•	0.09	0.23	1.16	19.42	9.79	0.60	0.03	•	•	•	•	31.32
20 - 25 kts	•	•	•	•	•	•	•	0.03	5.58	2.50	0.01	•	•	•	•	•	8.12
25 - 30 kts	•	•	•	•	•	•	•	•	0.51	0.09	•	•	•	•	•	•	0.60
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.17	0.14	0.09	0.18	0.55	1.44	3.12	8.38	49.64	27.09	5.58	1.70	0.88	0.57	0.29	0.17	100.00