

Tanzania MBES - July

Latitude: 8.22 S Longitude: 41.08 E

Weather Days

Wave Height > 5.0 ft Mean: 28.4 days Range: 25.8 - 30.0 days p50:29.5 days p75:28 days p90:25 days

Wave Height > 6.5 ft Mean: 19.5 days Range: 14.1 - 25.0 days p50:21 days p75:16.5 days p90:14 days

Wave Height > 8.0 ft Mean: 7.8 days Range: 3.8 - 11.9 days p50:7.5 days p75:4.5 days p90:2 days

Wind Speed > 15.0 knots Mean: 16.6 days Range: 12.7 - 20.6 days p50:17.5 days p75:14.5 days p90:11.5 days

Wind Speed > 20.0 knots Mean: 3.7 days Range: 1.3 - 6.1 days p50:4 days p75:2 days p90:1 days

Wind Speed > 25.0 knots Mean: 0.3 days Range: 0.0 - 0.8 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 0.5 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 2.3 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 1.0 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 2.7 times per month
A 3 day or longer window will statistically occur 2.3 times per month

Waves

Mean Height: 6 - 8 ft

The wave heights will occasionally reach 12 - 14 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 12 - 14 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 21% / 79%

Winds

Mean Speed: 15 - 20 kts

The winds will occasionally reach 25 - 30 kts, but rarely greater.

Principle Direction, from: SSE

Currents

Mean Speed: 0.50-0.75 kts

The currents will occasionally reach 1.75-2.00 kts, but rarely greater.

Principle Direction, to: NW

Weather Days

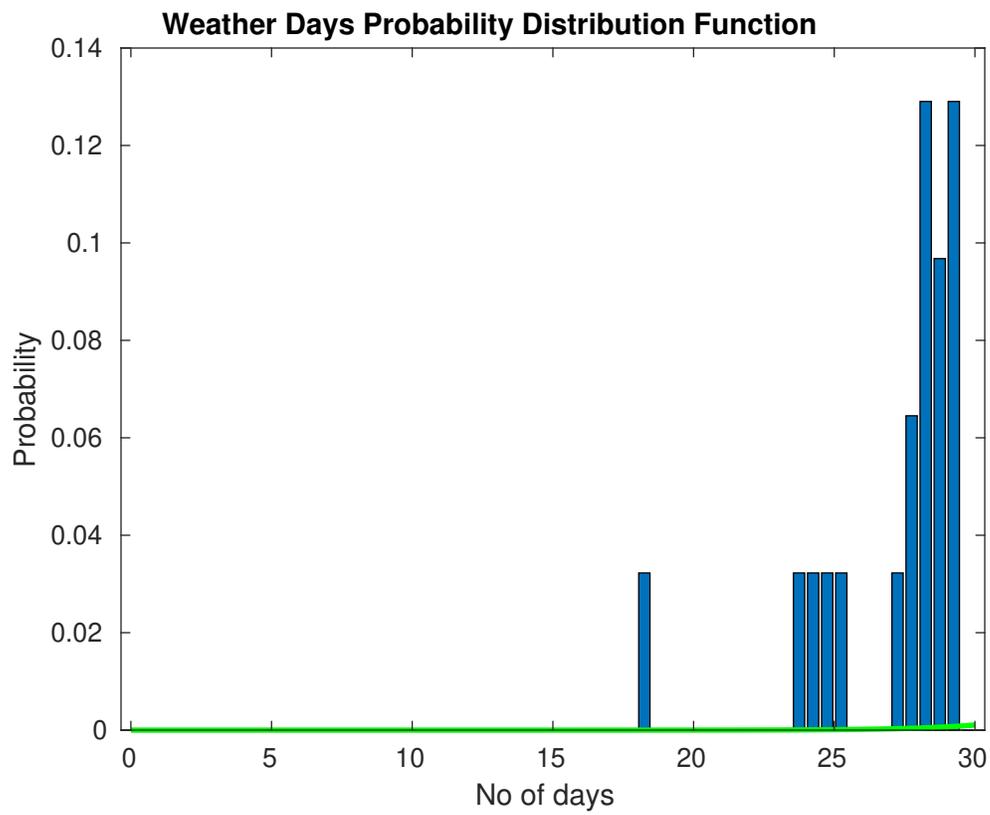
Current Speed > 0.5 knots Mean: 23.0 days Range: 18.5 - 27.6 days p50:24 days p75:21 days p90:15 days

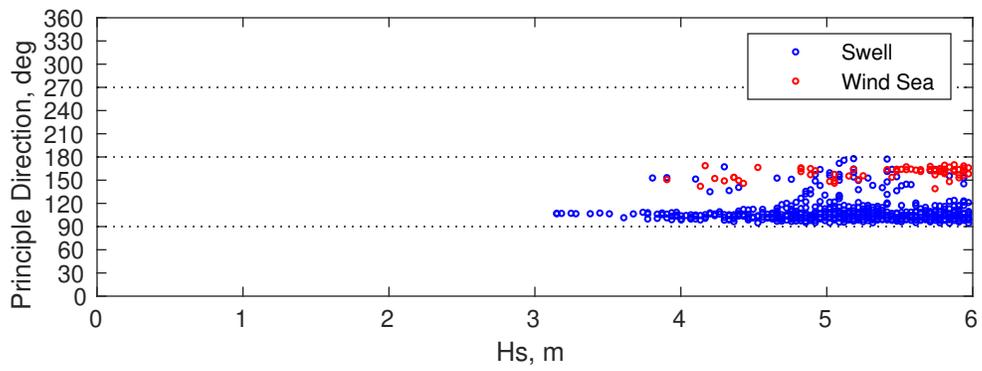
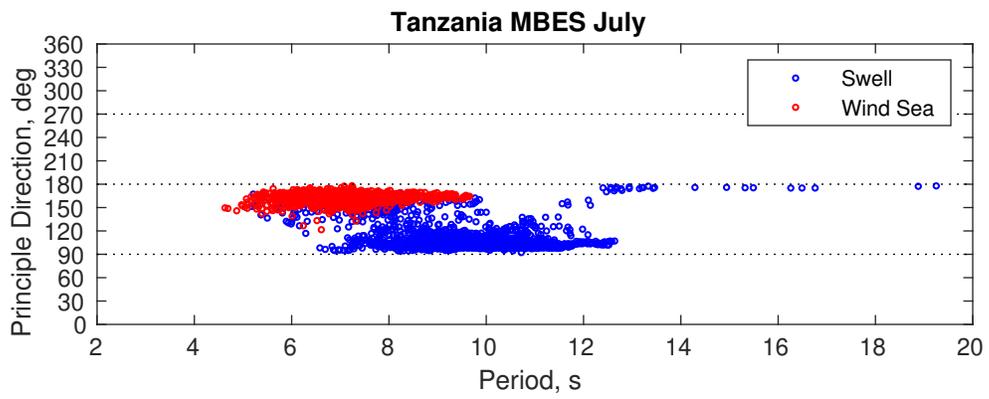
Current Speed > 1.0 knots Mean: 4.7 days Range: 0.0 - 9.5 days p50:5 days p75:2 days p90:1 days

Current Speed > 1.5 knots Mean: 0.7 days Range: 0.0 - 2.2 days p50:1 days p75:1 days p90:1 days

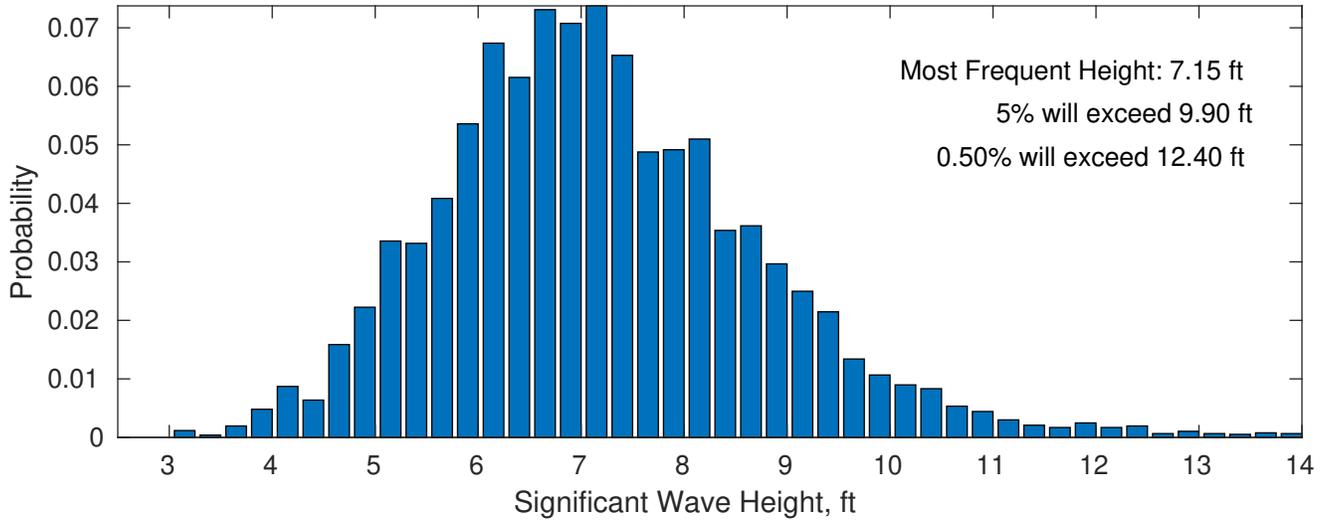
Severe Storms

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

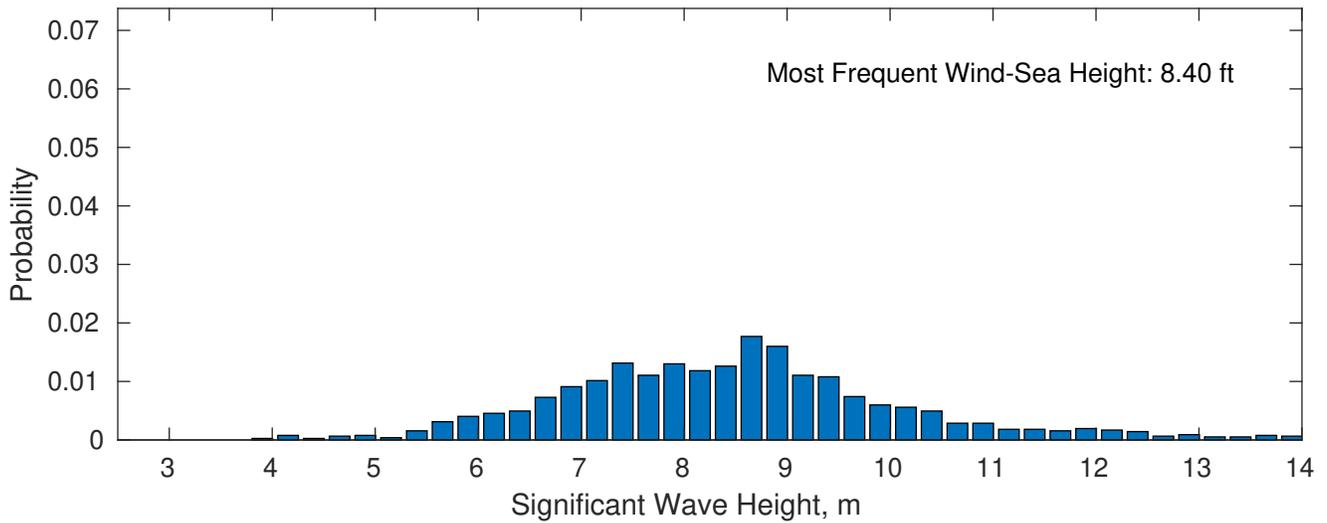




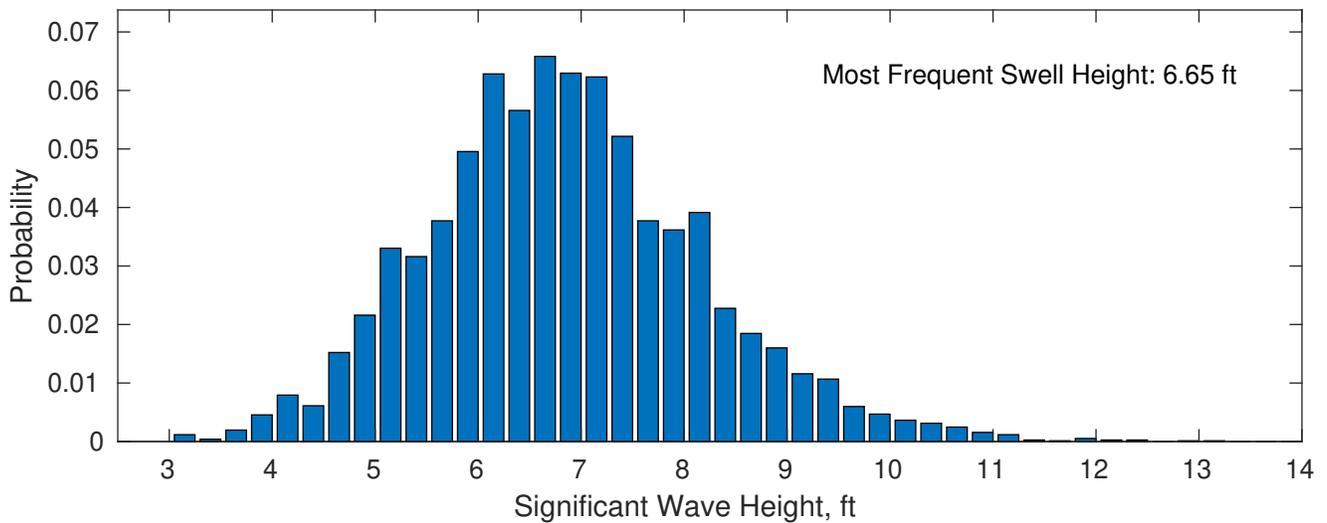
July Wave Height PDF: 1979 - 2015



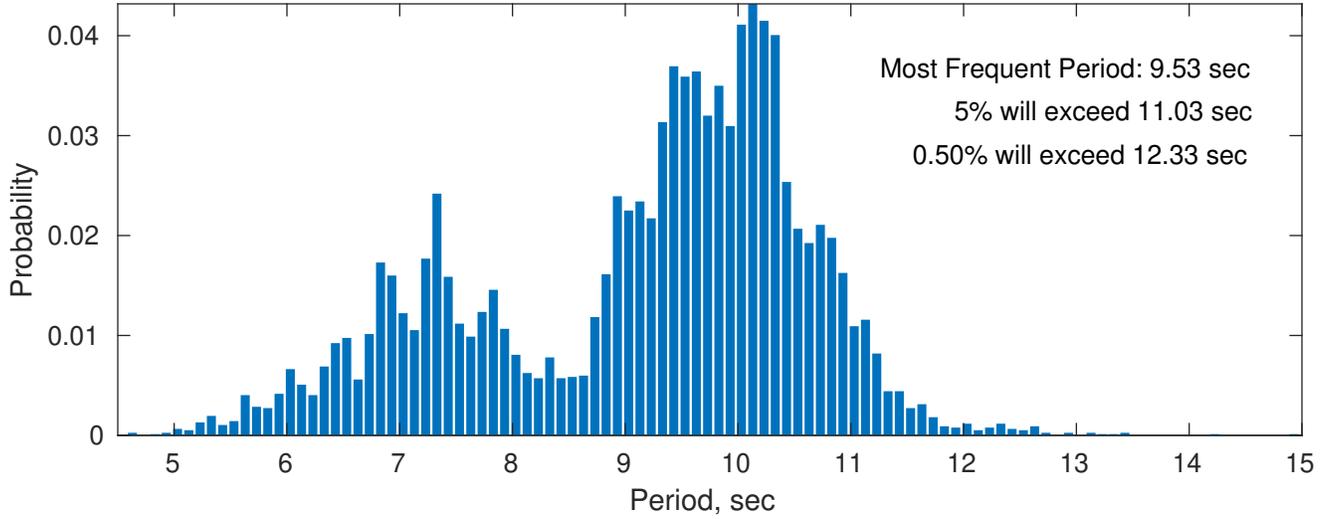
Wind-Sea: 20.97%



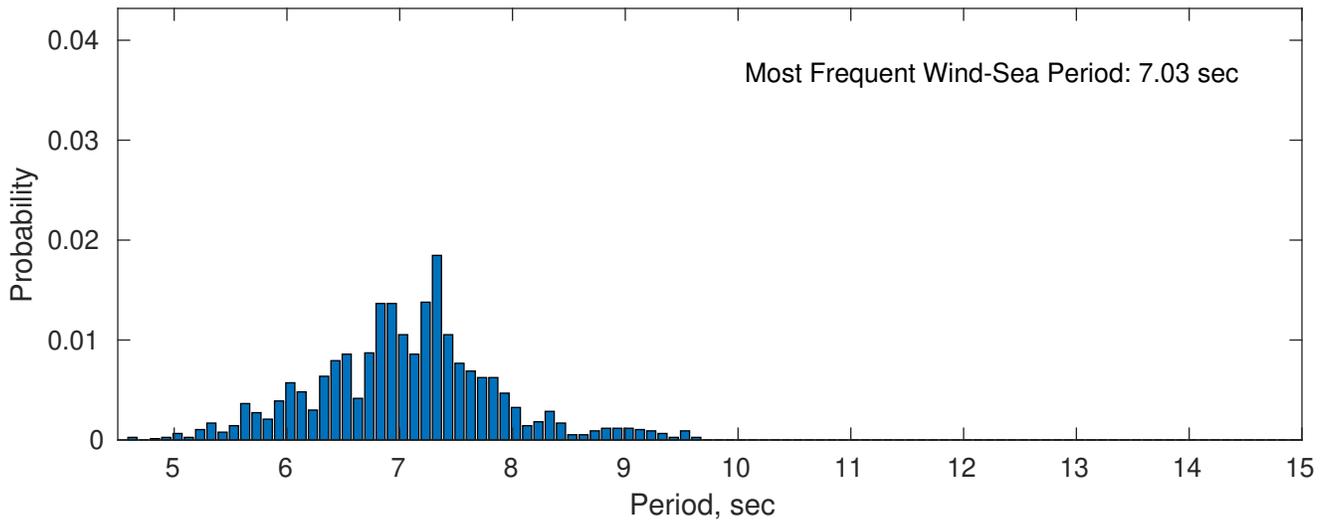
Swell: 79.03%



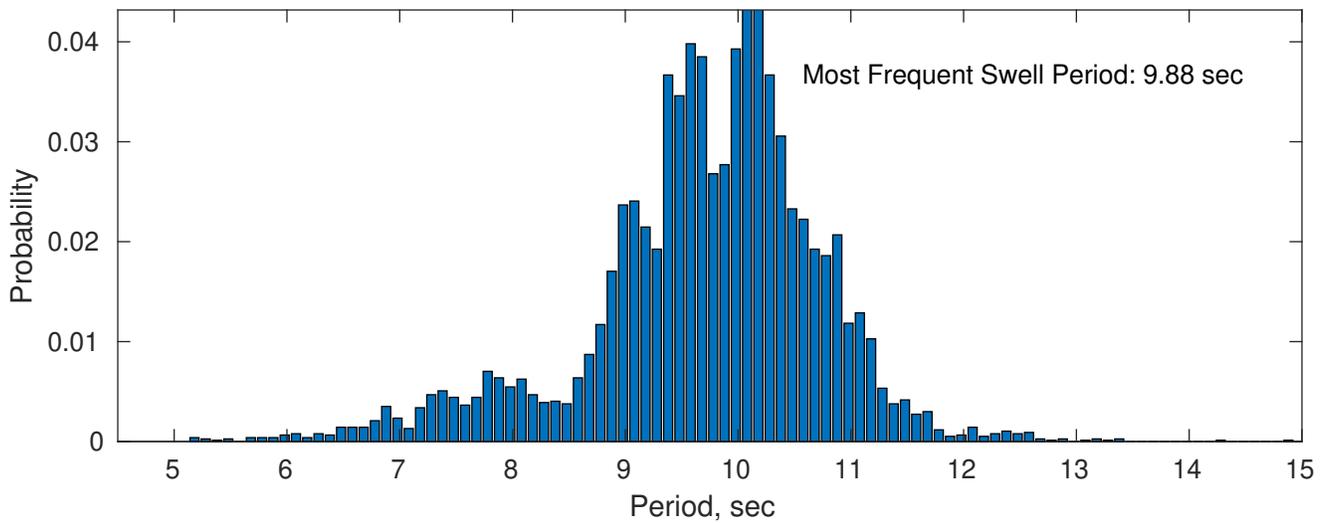
July Peak Wave Period PDF: 1979 - 2015



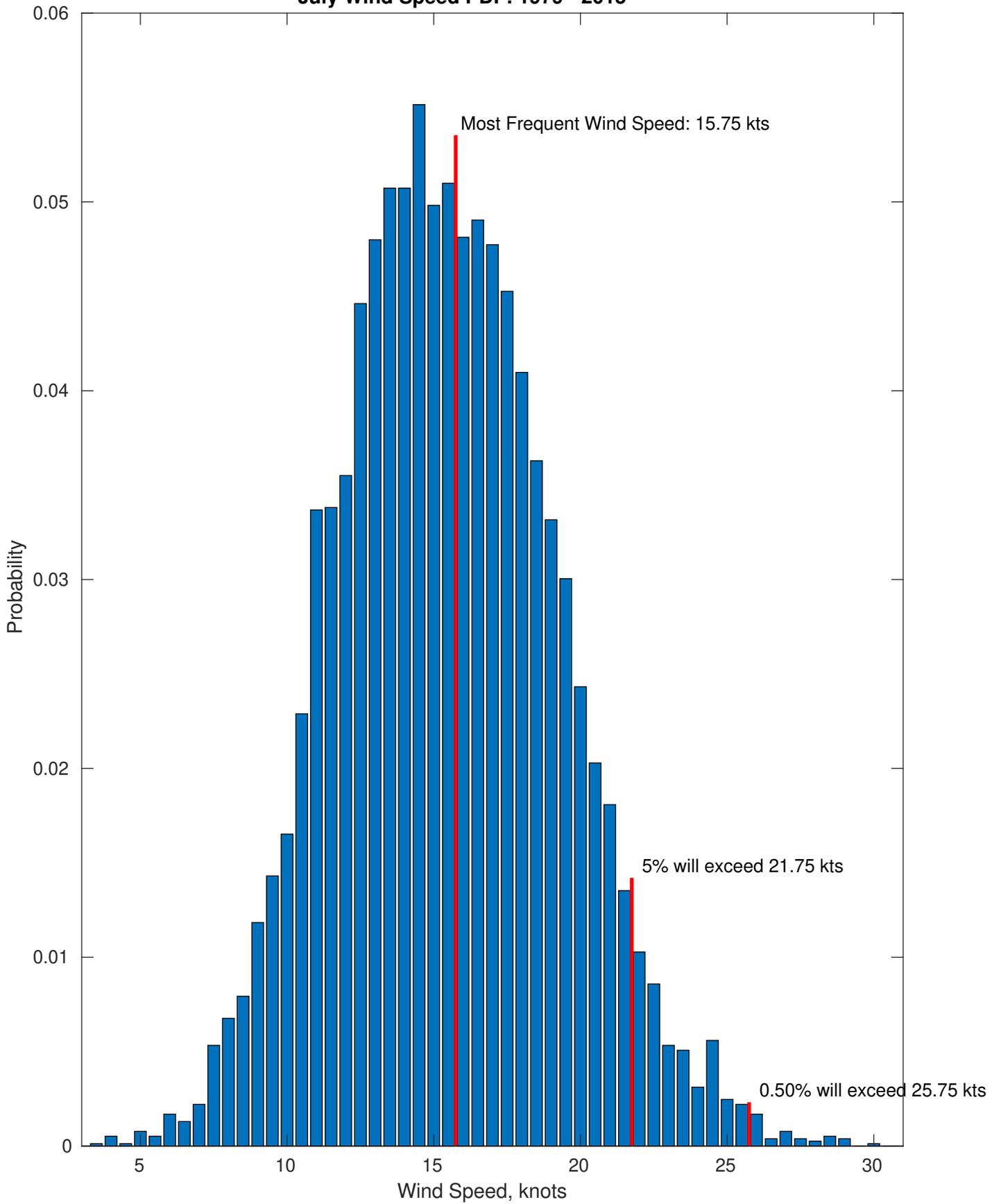
Wind-Sea: 20.97%



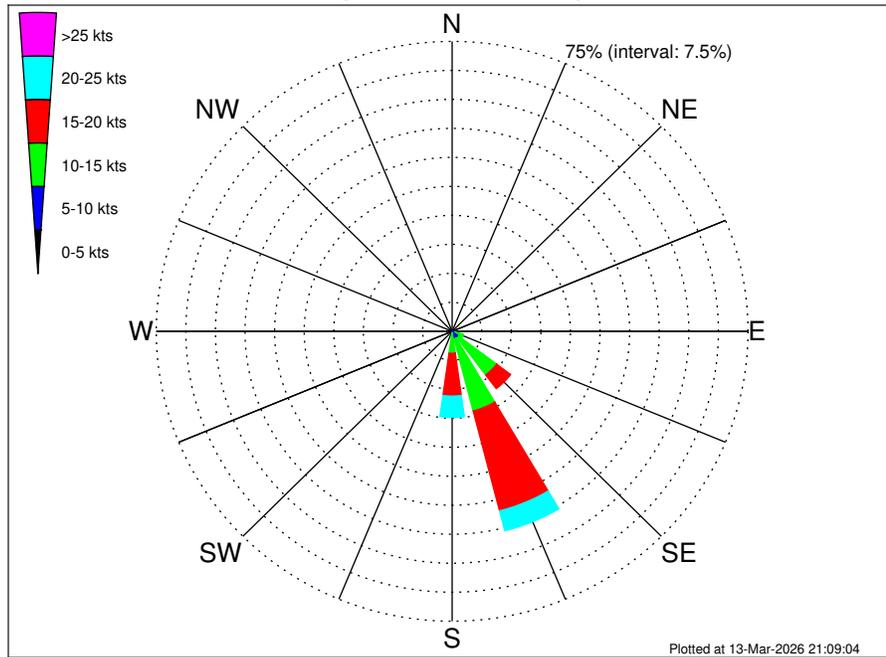
Swell: 79.03%



July Wind Speed PDF: 1979 - 2015



Tanzania MBES 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 - 5 kts	•	•	•	•	•	0.01	0.01	0.03	0.03	•	•	•	•	•	•	•	0.08
5 - 10 kts	•	•	•	•	0.12	0.61	2.12	1.99	0.39	0.03	0.01	•	•	•	•	•	5.27
10 - 15 kts	•	•	•	•	0.12	2.38	11.99	19.25	5.28	0.14	•	•	•	•	•	•	39.16
15 - 20 kts	•	•	•	•	•	0.38	4.44	26.72	11.07	0.53	0.01	•	•	•	•	•	43.15
20 - 25 kts	•	•	•	•	•	0.01	0.21	5.32	5.52	0.36	•	•	•	•	•	•	11.42
25 - 30 kts	•	•	•	•	•	•	•	0.18	0.70	0.03	•	•	•	•	•	•	0.91
30 - 35 kts	•	•	•	•	•	•	•	0.01	•	•	•	•	•	•	•	•	0.01
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	0.23	3.39	18.77	53.50	22.98	1.09	0.03	•	•	•	•	•	100.00