

Tanzania MBES - June

Latitude: 8.22 S Longitude: 41.08 E

Weather Days

Wave Height > 5.0 ft Mean: 26.2 days Range: 23.5 - 29.0 days p50:26.5 days p75:24.5 days p90:22 days

Wave Height > 6.5 ft Mean: 16.6 days Range: 11.6 - 21.6 days p50:17 days p75:13.5 days p90:9.5 days

Wave Height > 8.0 ft Mean: 6.0 days Range: 2.6 - 9.4 days p50:6.5 days p75:4 days p90:2 days

Wind Speed > 15.0 knots Mean: 17.0 days Range: 13.4 - 20.7 days p50:17.5 days p75:14.5 days p90:11.5 days

Wind Speed > 20.0 knots Mean: 3.8 days Range: 1.3 - 6.3 days p50:4 days p75:1.5 days p90:1 days

Wind Speed > 25.0 knots Mean: 0.3 days Range: 0.0 - 0.7 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 0.9 times per month
A 2 day or longer window will statistically occur 0.5 times per month
A 3 day or longer window will statistically occur 0.3 times per month

Wave Height < 6.5 ft
A 1 day or longer window will statistically occur 3.1 times per month
A 2 day or longer window will statistically occur 1.9 times per month
A 3 day or longer window will statistically occur 1.4 times per month

Wave Height < 8.0 ft
A 1 day or longer window will statistically occur 3.1 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 2.1 times per month

Waves

Mean Height: 6 - 8 ft

The wave heights will occasionally reach 10 - 12 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 10 - 12 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 31% / 69%

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 1.50-1.75 kts, but rarely greater.

Principle Direction, to: NW

Weather Days

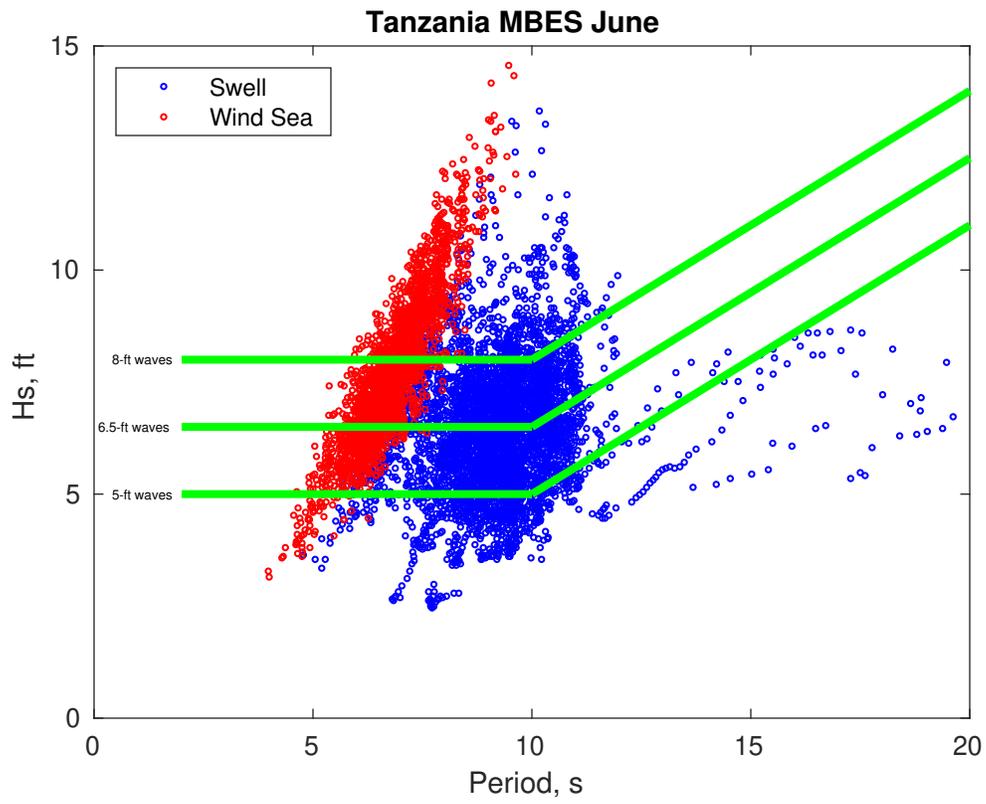
Current Speed > 0.5 knots Mean: 23.5 days Range: 17.1 - 29.8 days p50:26 days p75:20 days p90:14 days

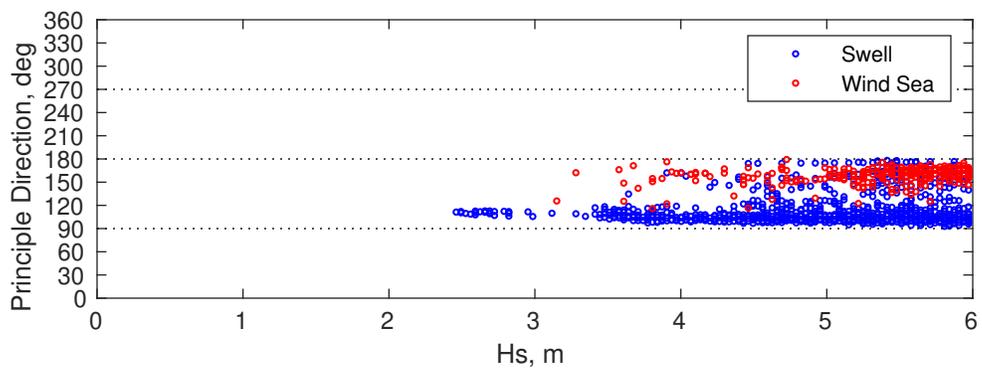
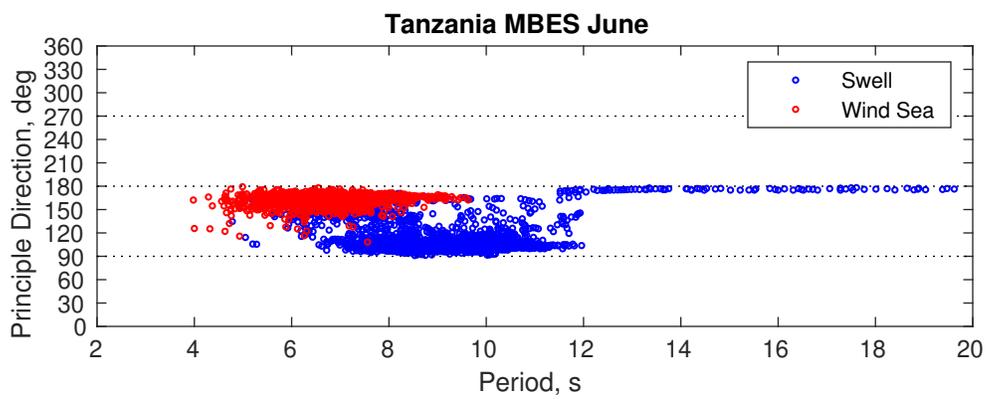
Current Speed > 1.0 knots Mean: 6.0 days Range: 2.2 - 9.7 days p50:7 days p75:4 days p90:2 days

Current Speed > 1.5 knots Mean: 0.6 days Range: 0.0 - 1.4 days p50:1 days p75:1 days p90:1 days

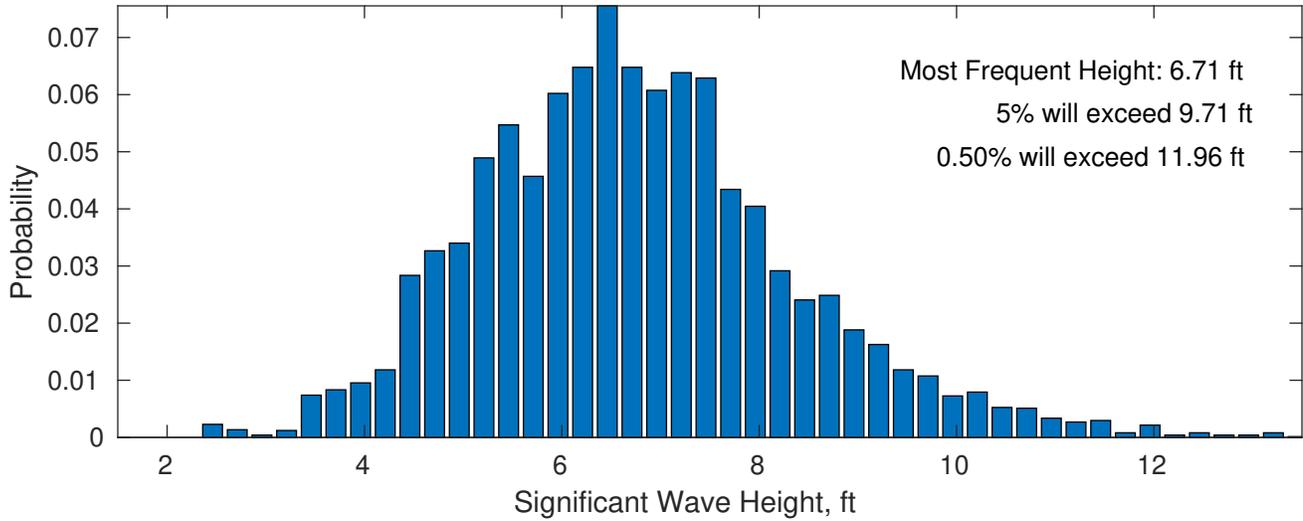
Severe Storms

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

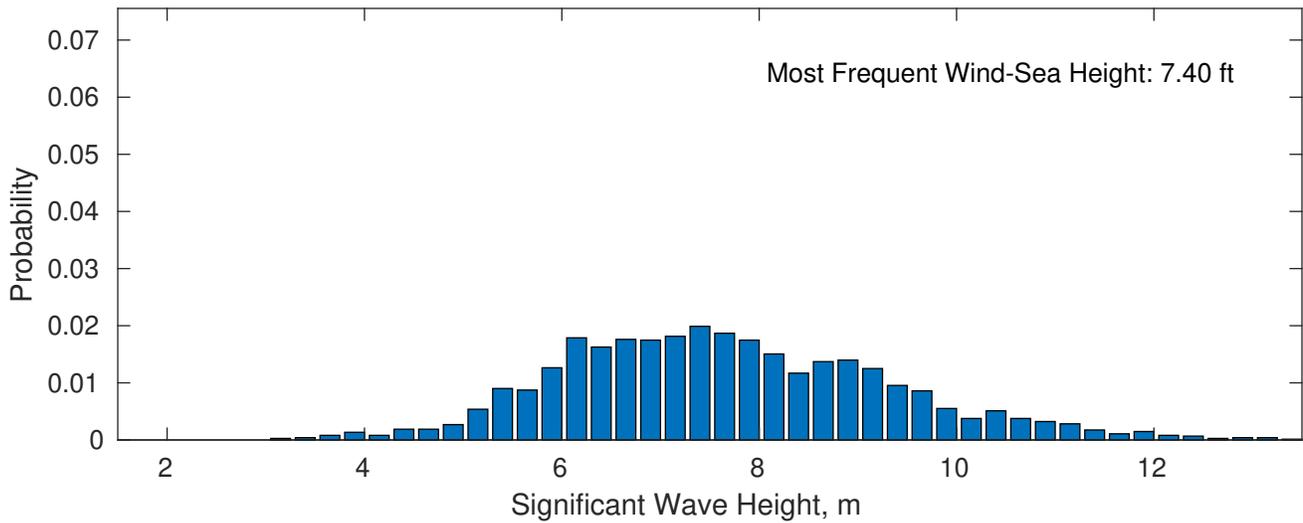




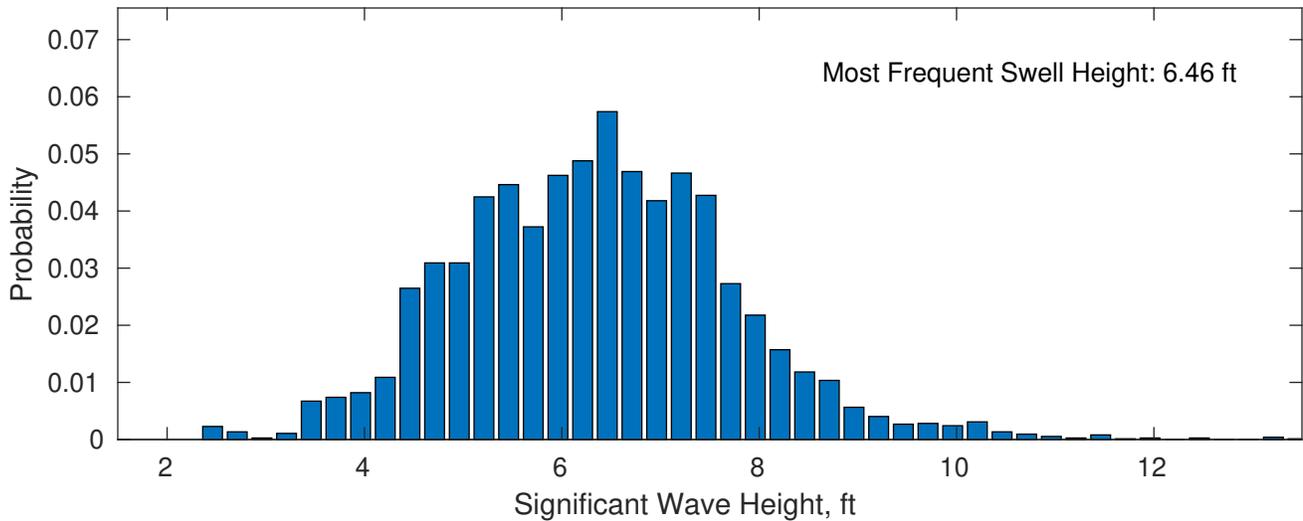
June Wave Height PDF: 1979 - 2015



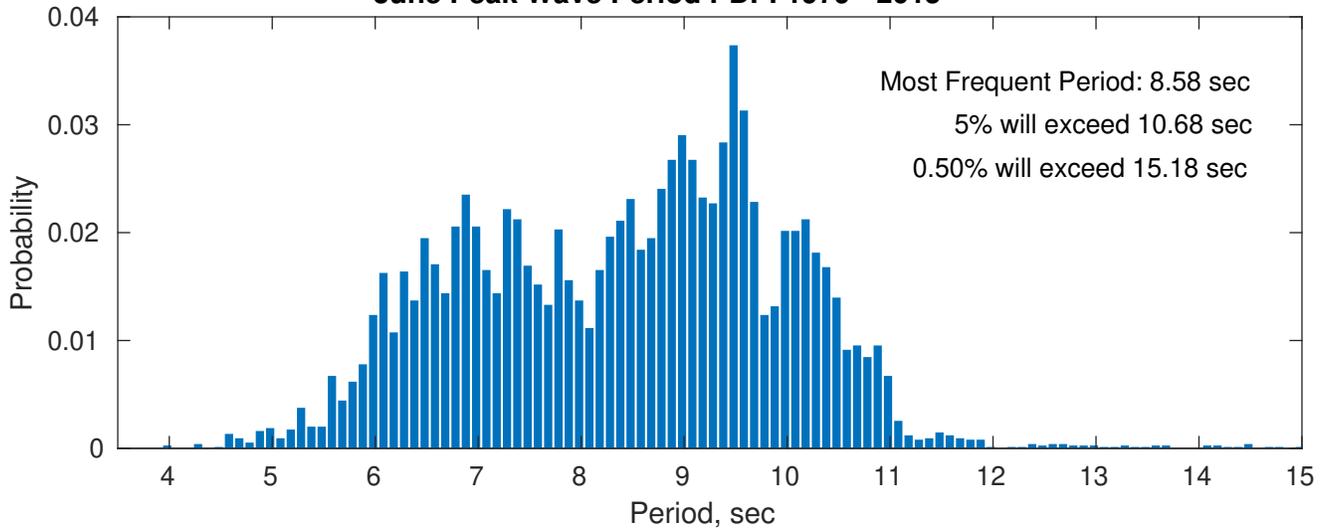
Wind-Sea: 30.59%



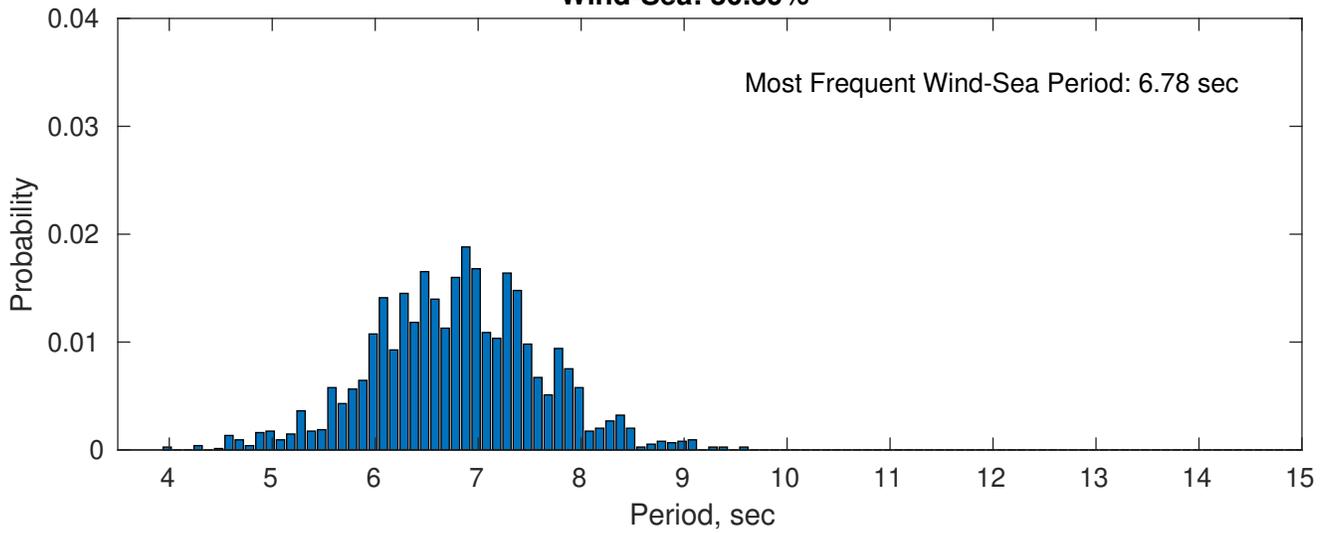
Swell: 69.41%



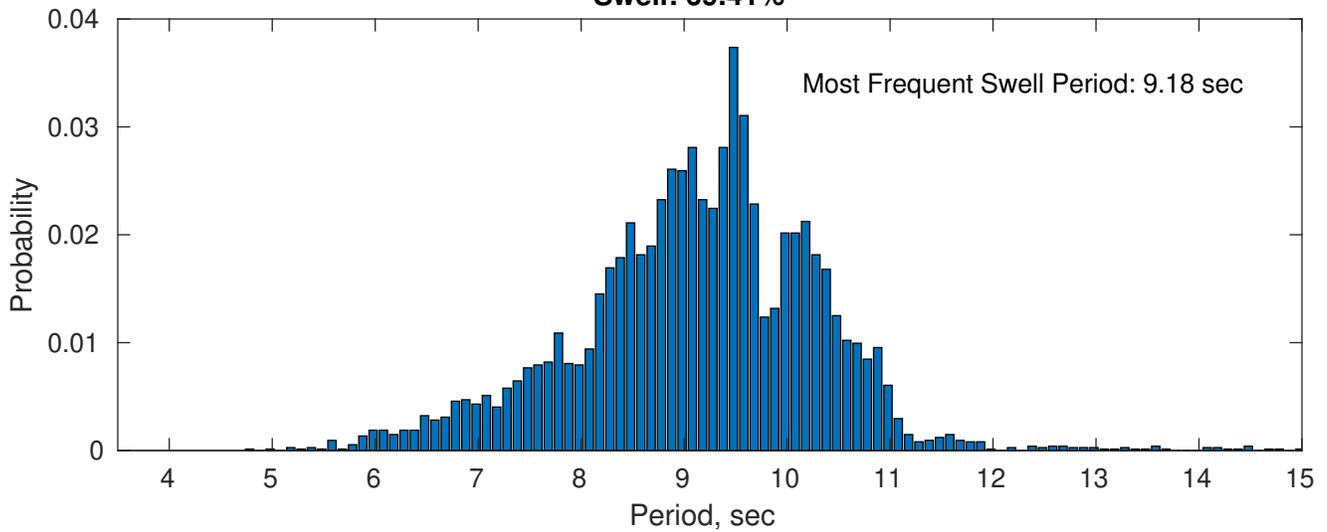
June Peak Wave Period PDF: 1979 - 2015



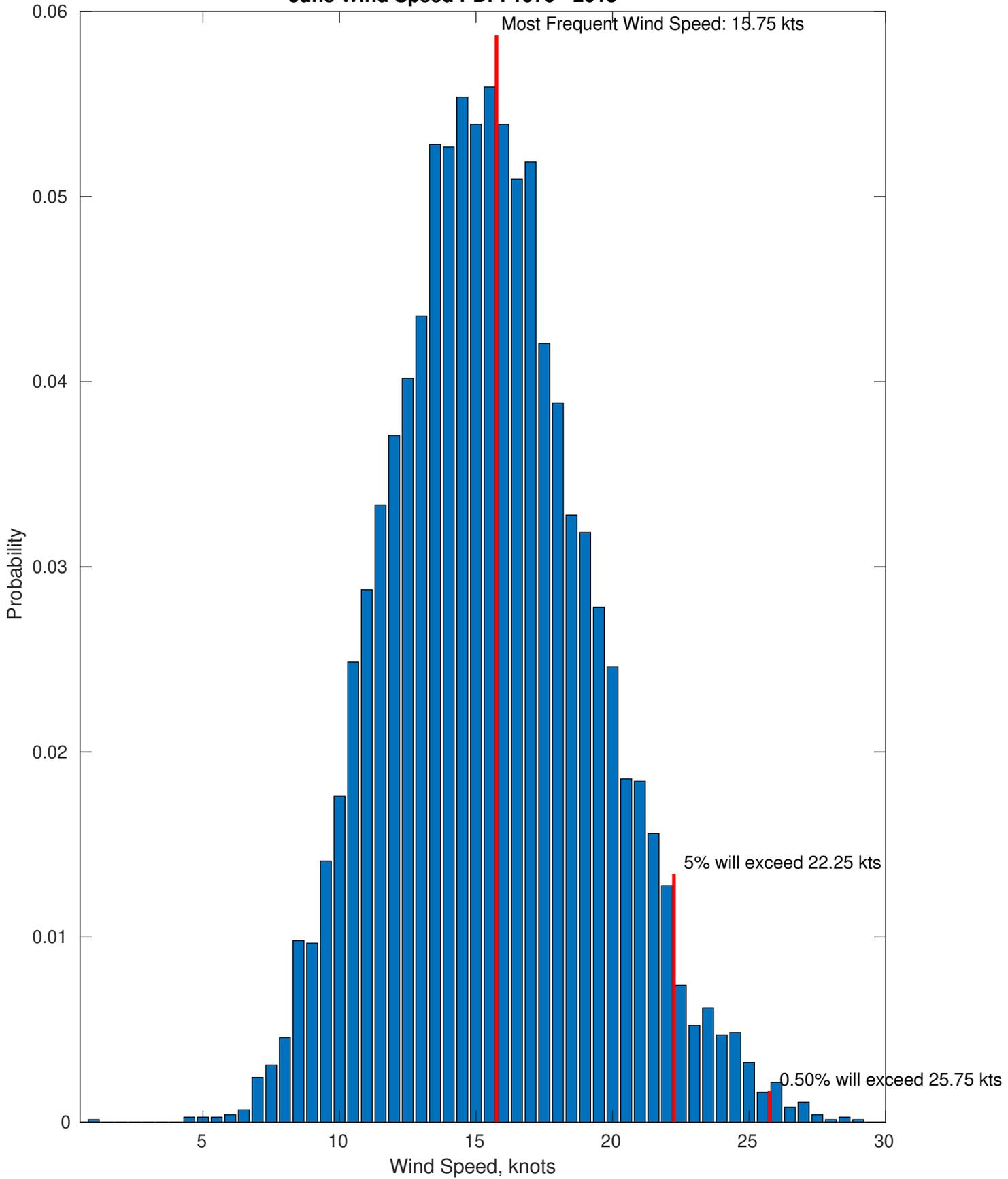
Wind-Sea: 30.59%



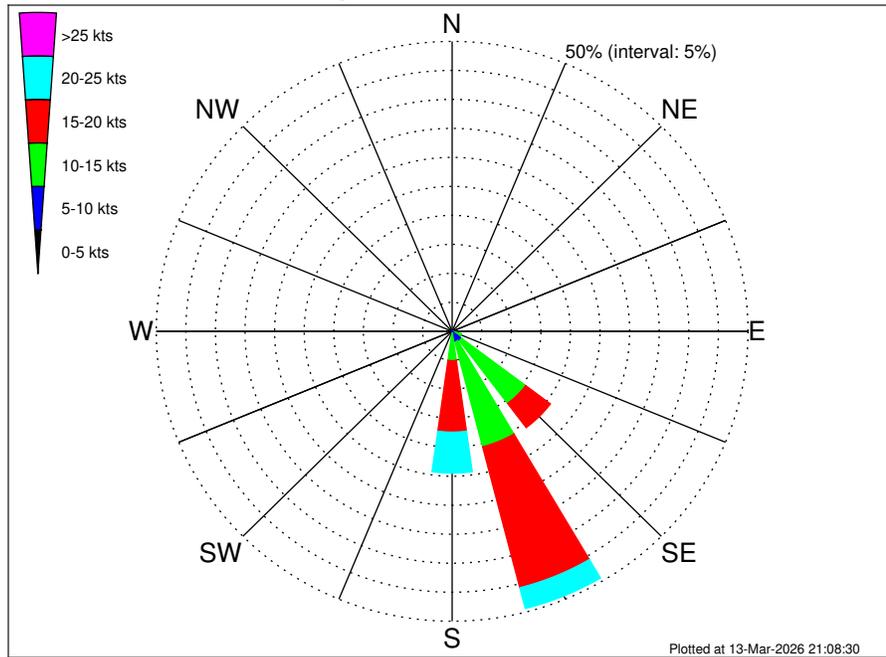
Swell: 69.41%



June Wind Speed PDF: 1979 - 2015



Tanzania MBES 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 - 5 kts	•	•	•	•	•	•	0.01	•	0.01	•	0.01	•	•	•	•	•	0.04
5 - 10 kts	•	•	•	•	0.01	0.17	2.02	1.88	0.38	0.07	•	•	•	•	•	•	4.53
10 - 15 kts	•	•	•	•	0.04	1.44	13.53	18.68	4.66	0.27	•	•	•	•	•	•	38.63
15 - 20 kts	•	•	•	•	•	0.40	5.23	25.12	12.34	0.90	•	•	•	•	•	•	43.99
20 - 25 kts	•	•	•	•	•	0.01	0.07	3.70	7.06	0.99	•	•	•	•	•	•	11.83
25 - 30 kts	•	•	•	•	•	•	•	0.12	0.67	0.19	•	•	•	•	•	•	0.98
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	0.05	2.03	20.86	49.50	25.12	2.42	0.01	•	•	•	•	•	100.00