

Zanzibar MBES - June

Latitude: 5.47 S Longitude: 41.14 E

Weather Days

Wave Height > 5.0 ft Mean: 28.4 days Range: 26.3 - 30.0 days p50:29.5 days p75:27.5 days p90:26 days

Wave Height > 6.5 ft Mean: 21.1 days Range: 16.7 - 25.4 days p50:22.5 days p75:18 days p90:15 days

Wave Height > 8.0 ft Mean: 9.3 days Range: 4.5 - 14.2 days p50:9 days p75:5 days p90:2 days

Wind Speed > 15.0 knots Mean: 20.1 days Range: 17.0 - 23.2 days p50:21 days p75:18 days p90:17 days

Wind Speed > 20.0 knots Mean: 3.7 days Range: 1.2 - 6.3 days p50:4.5 days p75:1.5 days p90:1 days

Wind Speed > 25.0 knots Mean: 0.3 days Range: 0.0 - 0.9 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 0.3 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 1.2 times per month
A 3 day or longer window will statistically occur 0.8 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 2.4 times per month
A 3 day or longer window will statistically occur 1.9 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 10 - 12 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 23% / 77%

Winds

Mean Speed: 15 - 20 kts

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

Principle Direction, from: SSE

Currents

Mean Speed: 0.75-1.00 kts

The currents will occasionally reach 1.50-1.75 kts, but rarely greater.

Principle Direction, to: NNW

Weather Days

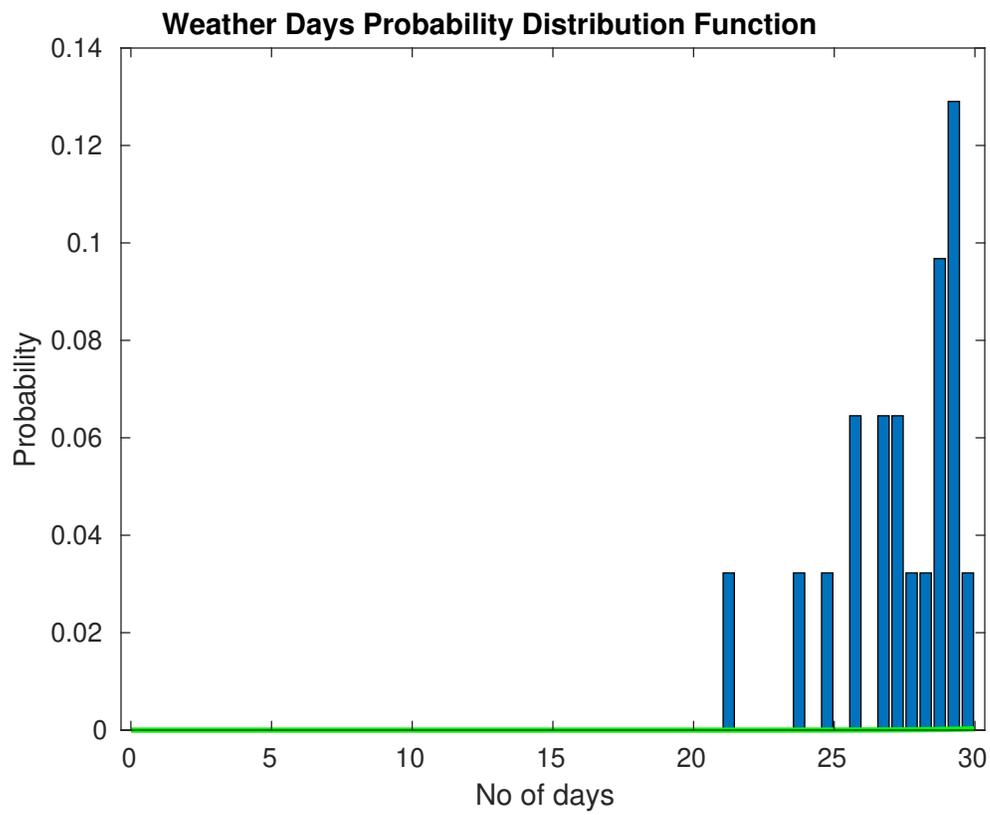
Current Speed > 0.5 knots Mean: 25.3 days Range: 20.1 - 30.0 days p50:29 days p75:21 days p90:17 days

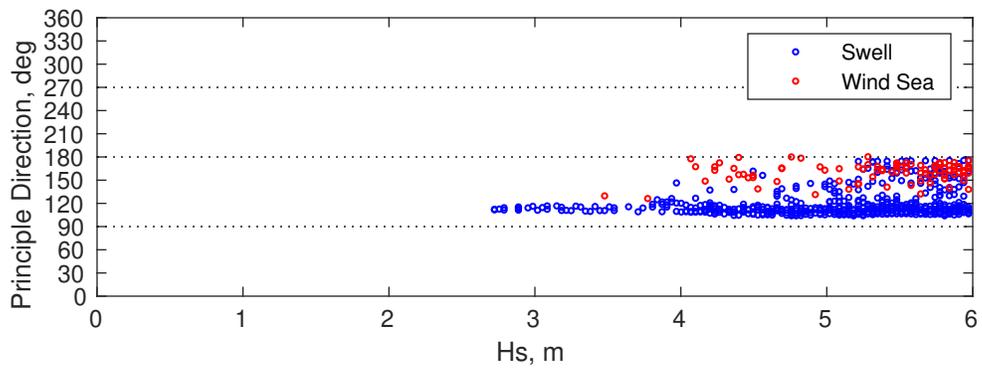
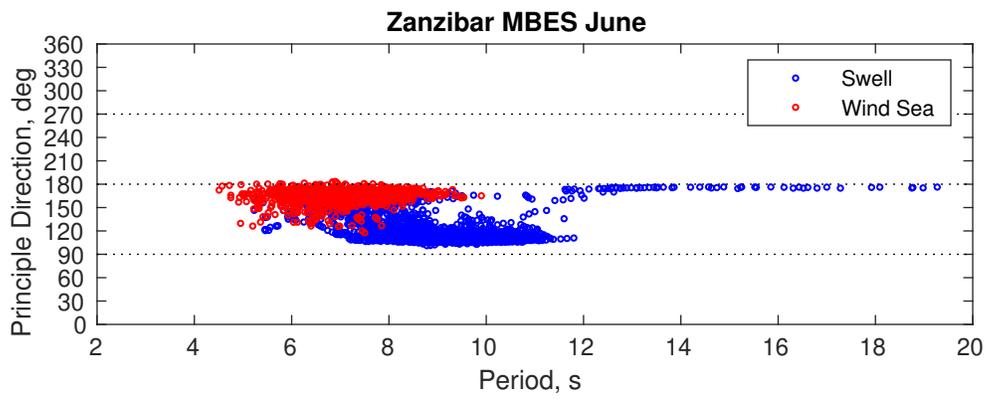
Current Speed > 1.0 knots Mean: 9.5 days Range: 2.7 - 16.2 days p50:9 days p75:5 days p90:2 days

Current Speed > 1.5 knots Mean: 1.2 days Range: 0.0 - 3.3 days p50:1 days p75:1 days p90:1 days

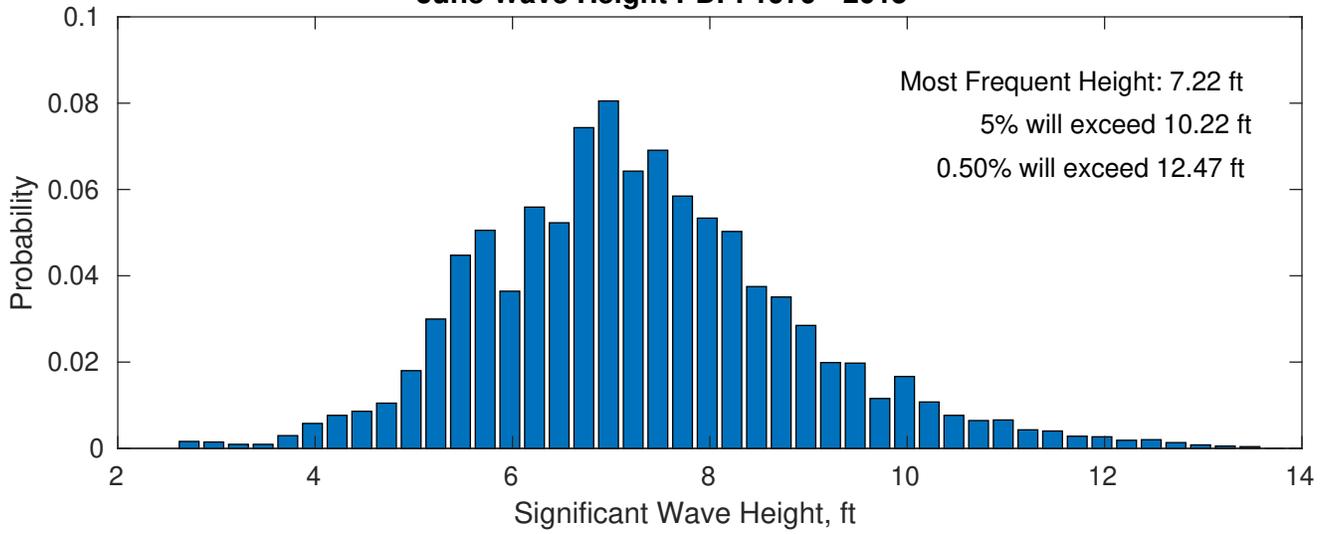
Severe Storms

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

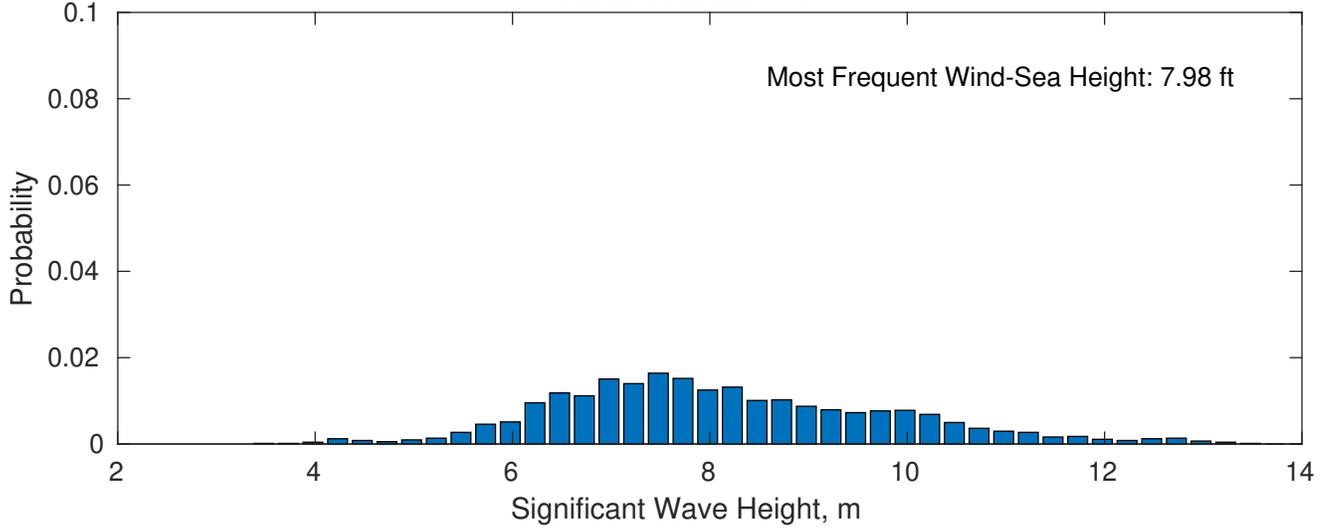




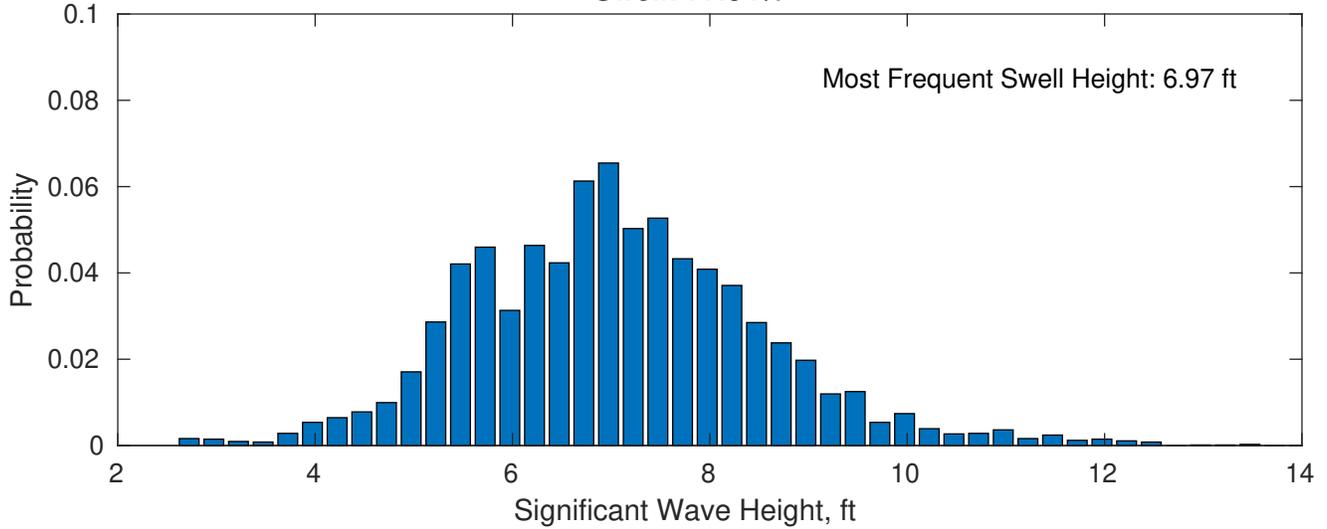
June Wave Height PDF: 1979 - 2015



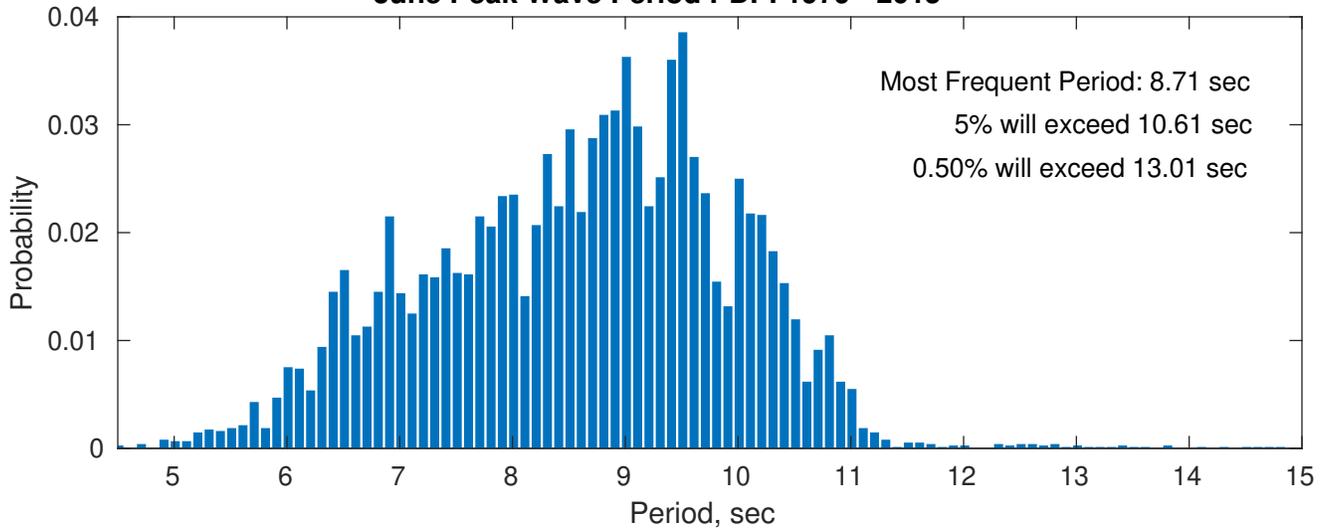
Wind-Sea: 22.66%



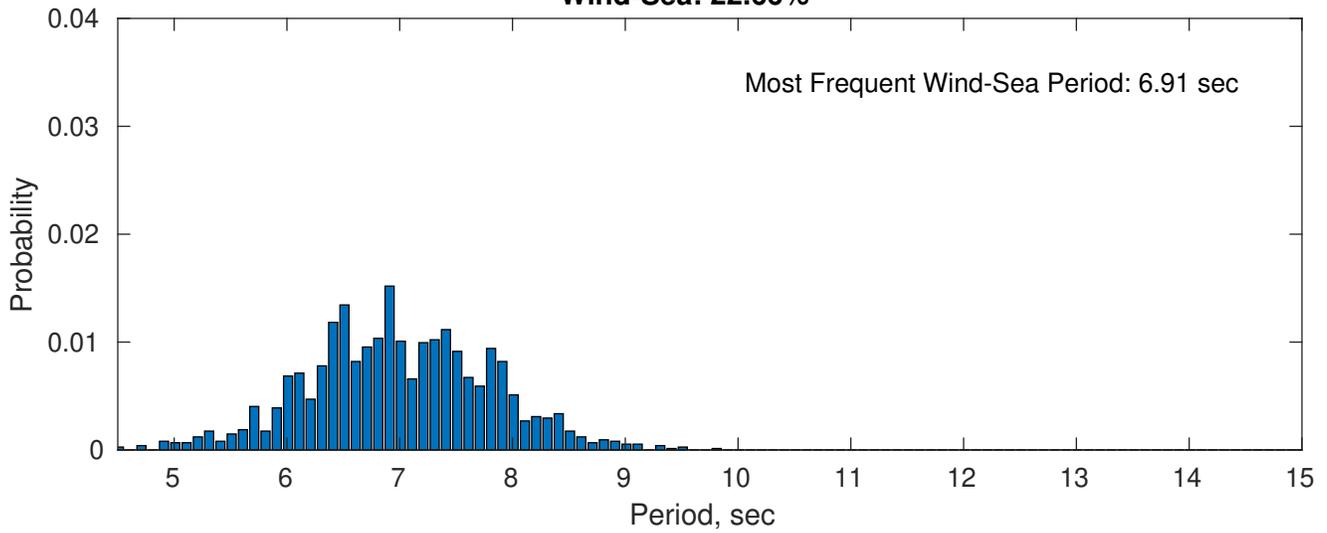
Swell: 77.34%



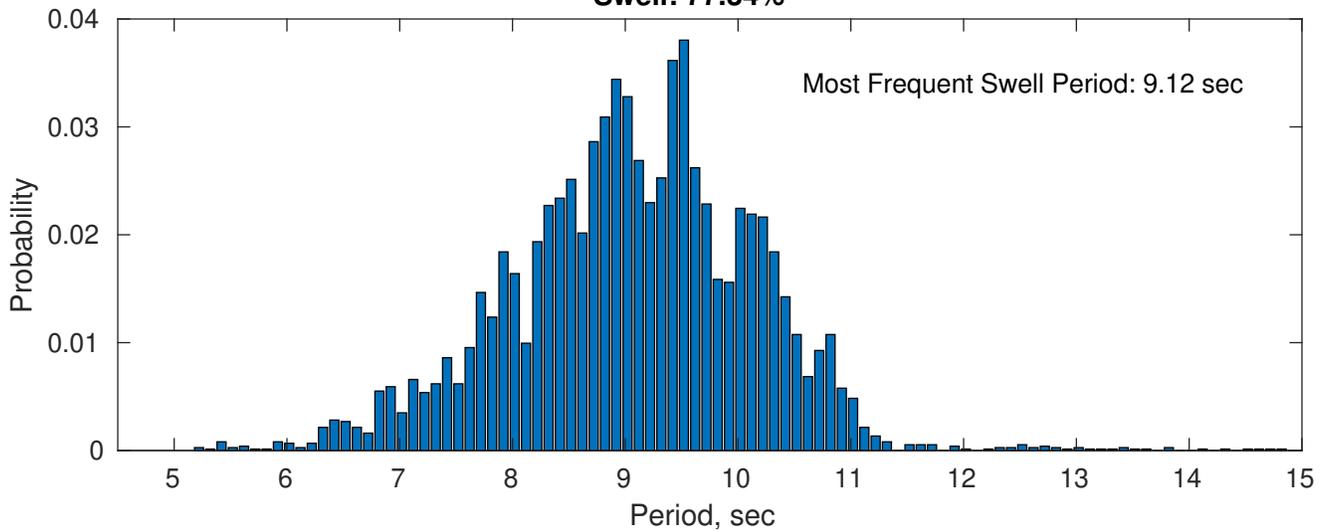
June Peak Wave Period PDF: 1979 - 2015



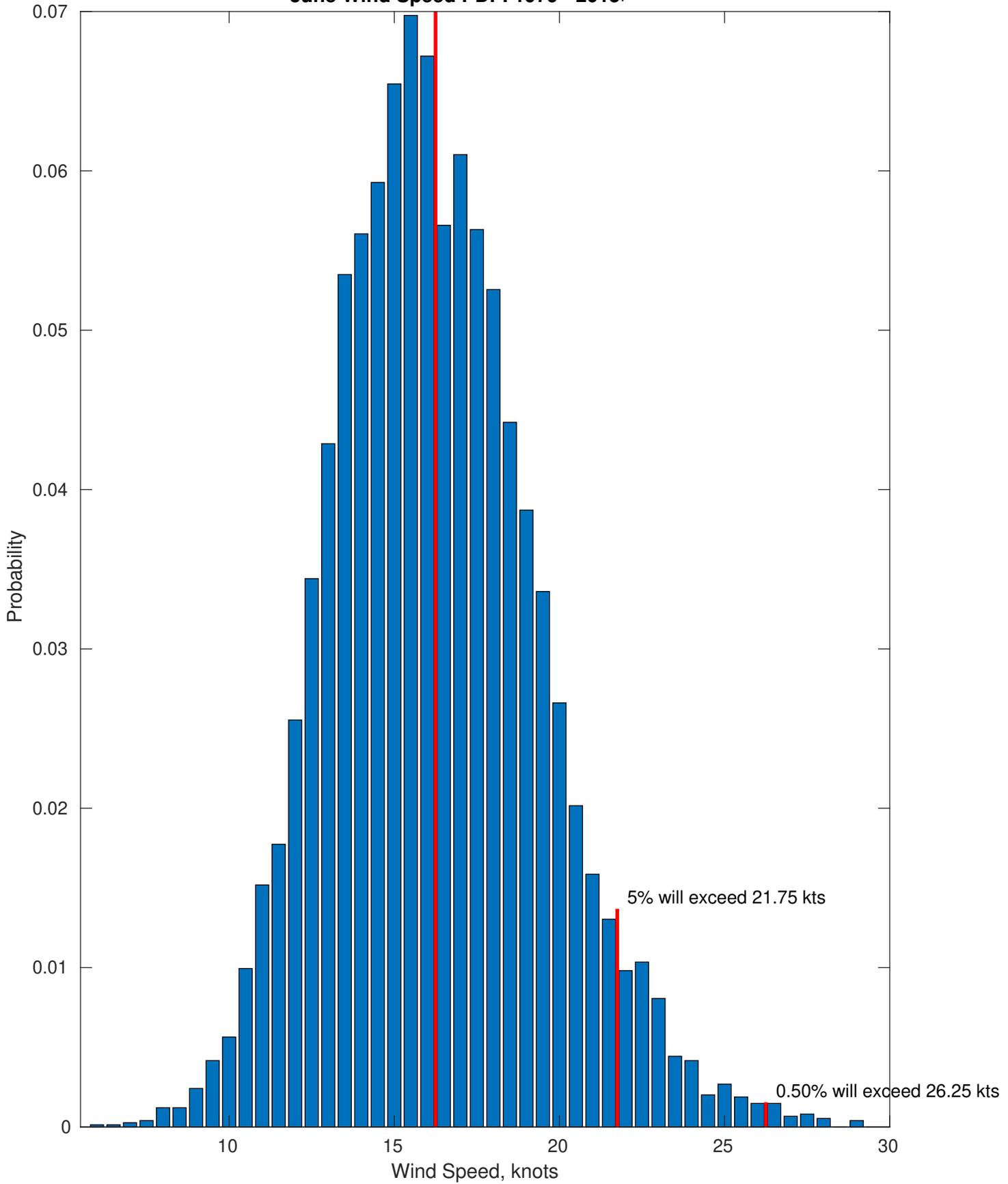
Wind-Sea: 22.66%



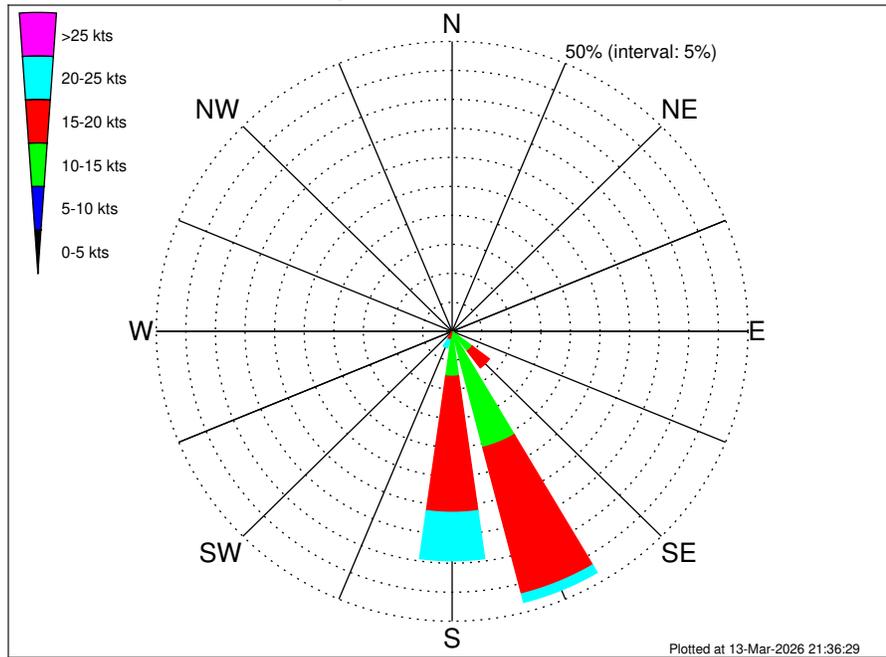
Swell: 77.34%



June Wind Speed PDF: 1979-2019
Most Frequent Wind Speed: 16.25 kts



Zanzibar 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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5 - 10 kts	•	•	•	•	•	•	0.26	0.48	0.23	0.01	0.01	•	•	•	•	•	0.99
10 - 15 kts	•	•	•	•	•	0.07	3.99	20.20	7.54	0.22	•	•	•	•	•	•	32.02
15 - 20 kts	•	•	•	•	0.01	•	3.64	26.10	23.47	1.32	•	•	•	•	•	•	54.54
20 - 25 kts	•	•	•	•	•	•	0.23	1.49	8.33	1.40	•	•	•	•	•	•	11.45
25 - 30 kts	•	•	•	•	•	•	•	0.03	0.48	0.48	•	•	•	•	•	•	0.99
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	0.01	0.07	8.12	48.31	40.05	3.43	0.01	•	•	•	•	•	100.00