

Tanzania MBES - October

Latitude: 8.22 S Longitude: 41.08 E

Weather Days

Wave Height > 5.0 ft Mean: 15.5 days Range: 10.1 - 20.9 days p50:16.5 days p75:13 days p90:9.5 days

Wave Height > 6.5 ft Mean: 4.2 days Range: 1.0 - 7.4 days p50:4 days p75:2 days p90:0.5 days

Wave Height > 8.0 ft Mean: 0.8 days Range: 0.0 - 1.7 days p50:3 days p75:0.5 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 2.3 days Range: 0.6 - 4.1 days p50:2.5 days p75:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.1 days Range: 0.0 - 0.3 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 2.6 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 1.3 times per month

Wave Height < 6.5 ft
A 1 day or longer window will statistically occur 2.9 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 2.2 times per month

Wave Height < 8.0 ft
A 1 day or longer window will statistically occur 1.6 times per month
A 2 day or longer window will statistically occur 1.5 times per month
A 3 day or longer window will statistically occur 1.5 times per month

Waves

Mean Height: 4 - 6 ft

The wave heights will occasionally reach 8 - 10 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: 1% / 99%

Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 15 - 20 kts, but rarely greater.

Principle Direction, from: ESE

Currents

Mean Speed: 0.50-0.75 kts

The currents will occasionally reach 1.25-1.50 kts, but rarely greater.

Principle Direction, to: WNW

Weather Days

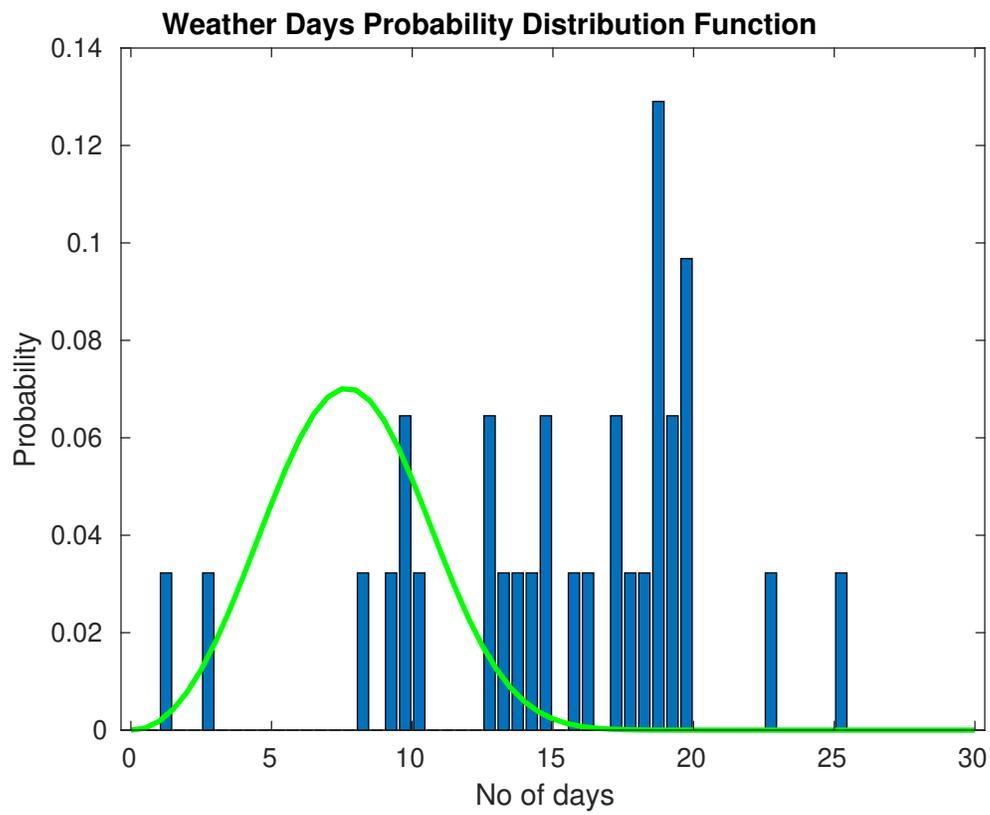
Current Speed > 0.5 knots Mean: 16.1 days Range: 10.4 - 21.7 days p50:18 days p75:11 days p90:10 days

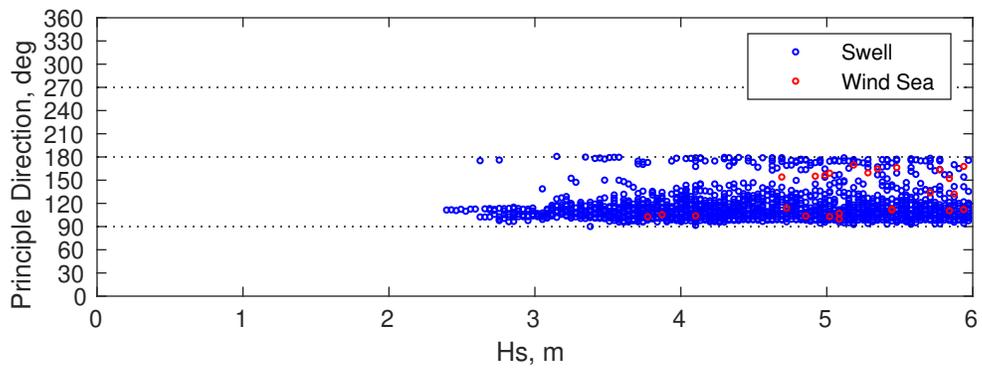
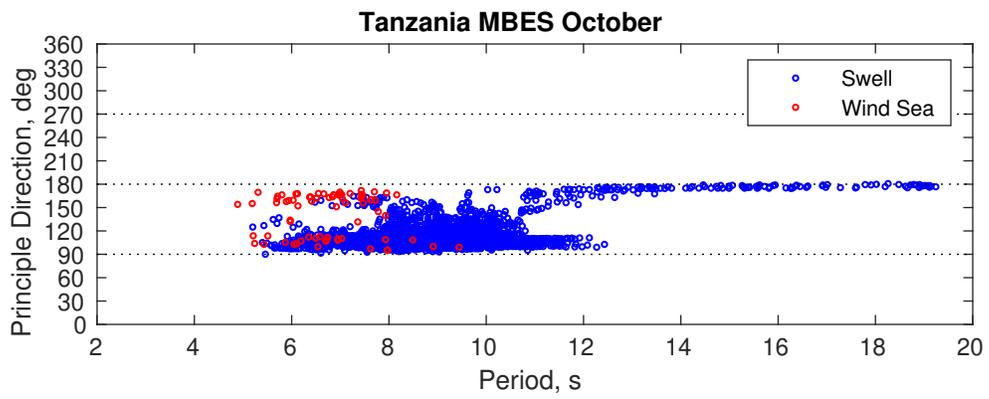
Current Speed > 1.0 knots Mean: 1.4 days Range: 0.0 - 3.5 days p50:2 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.1 days Range: 0.0 - 0.3 days p50:1 days p75:1 days p90:1 days

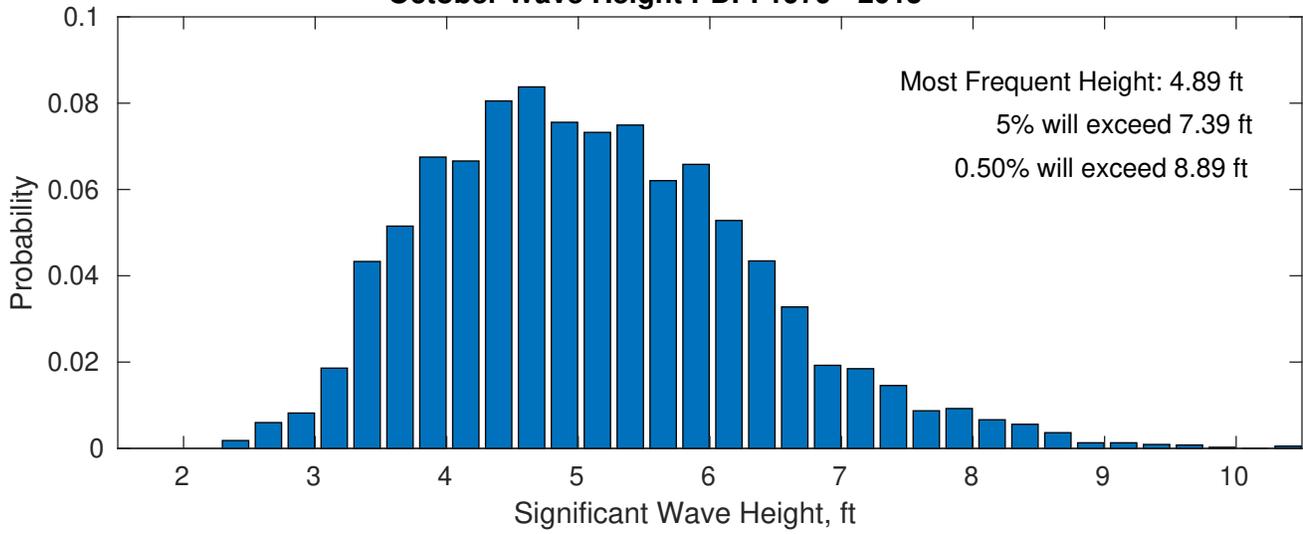
Severe Storms

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

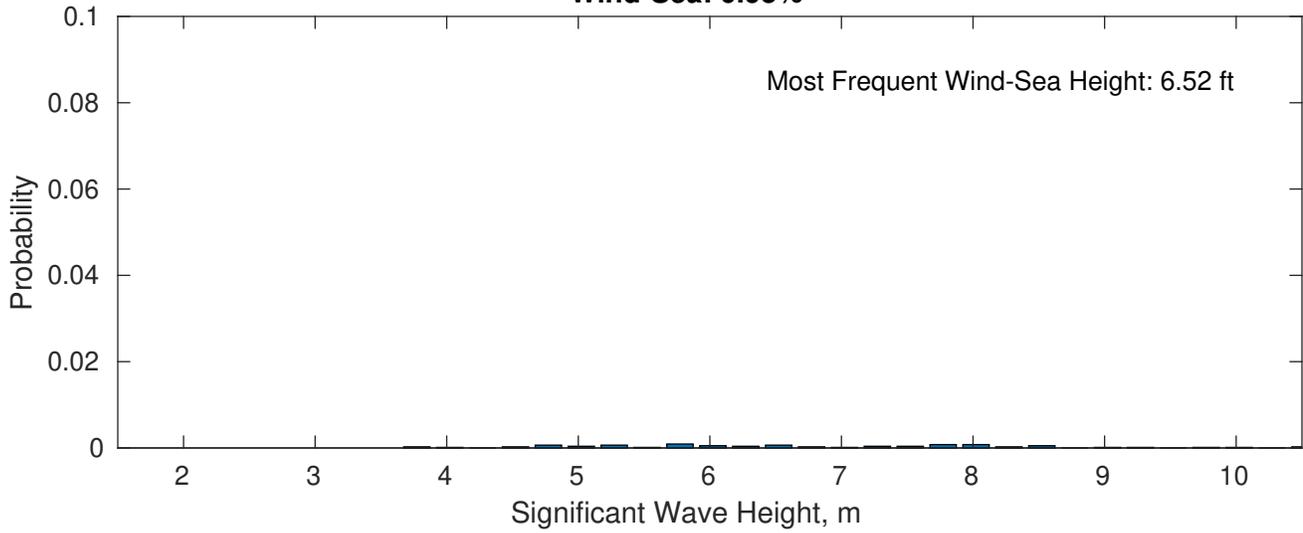




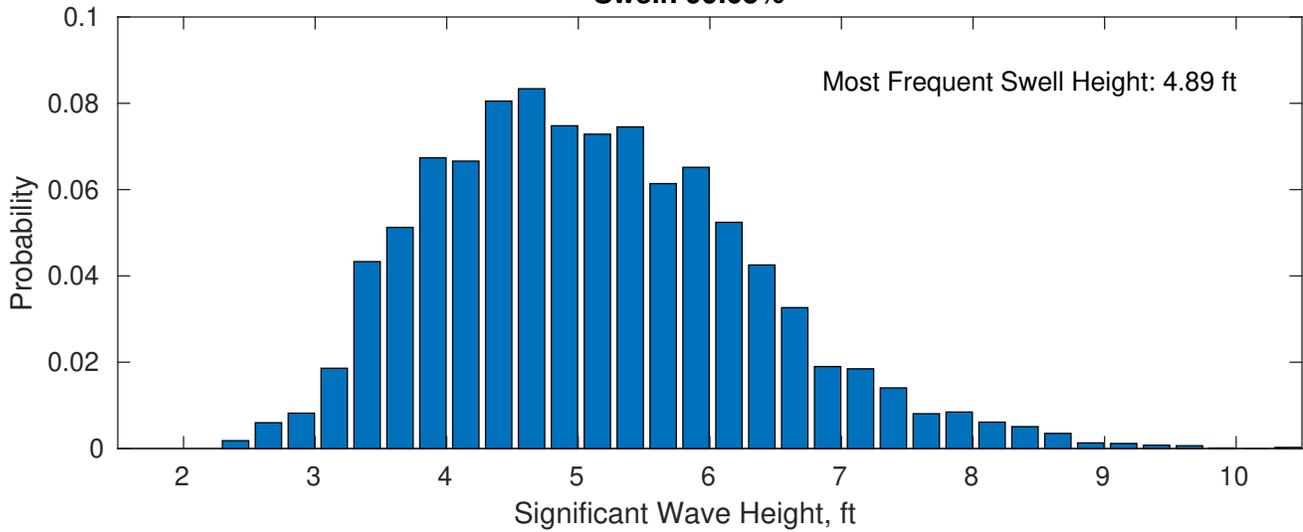
October Wave Height PDF: 1979 - 2015



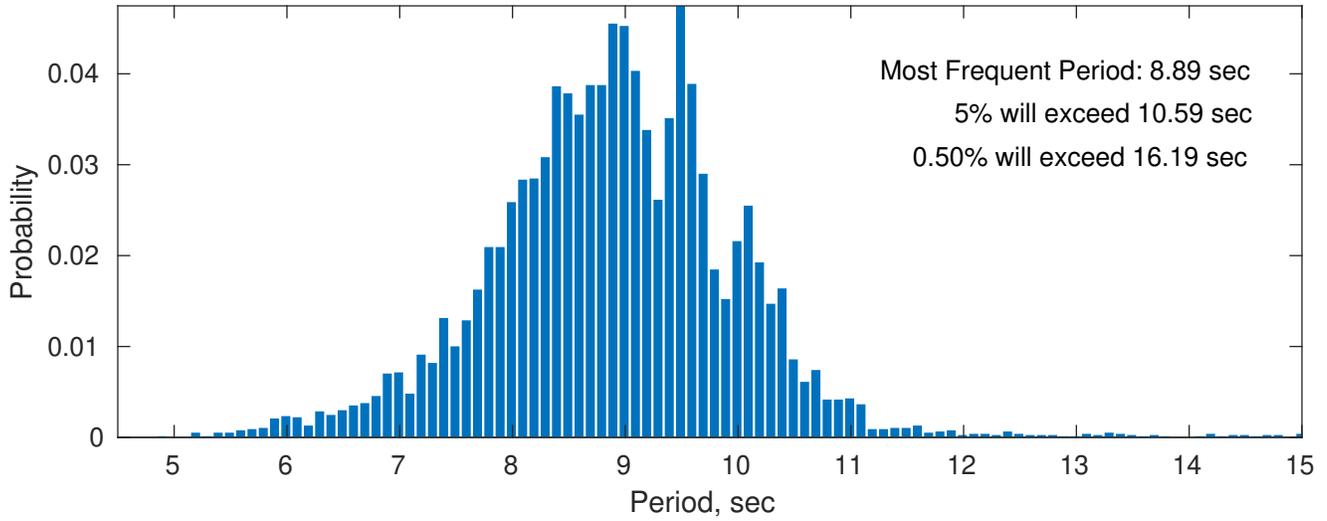
Wind-Sea: 0.95%



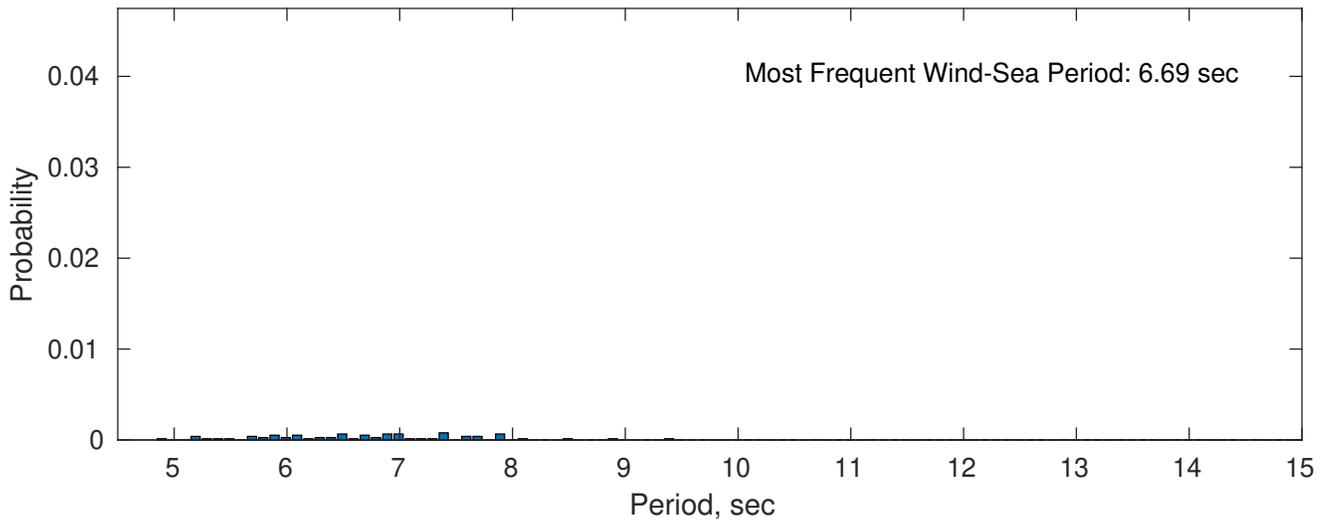
Swell: 99.05%



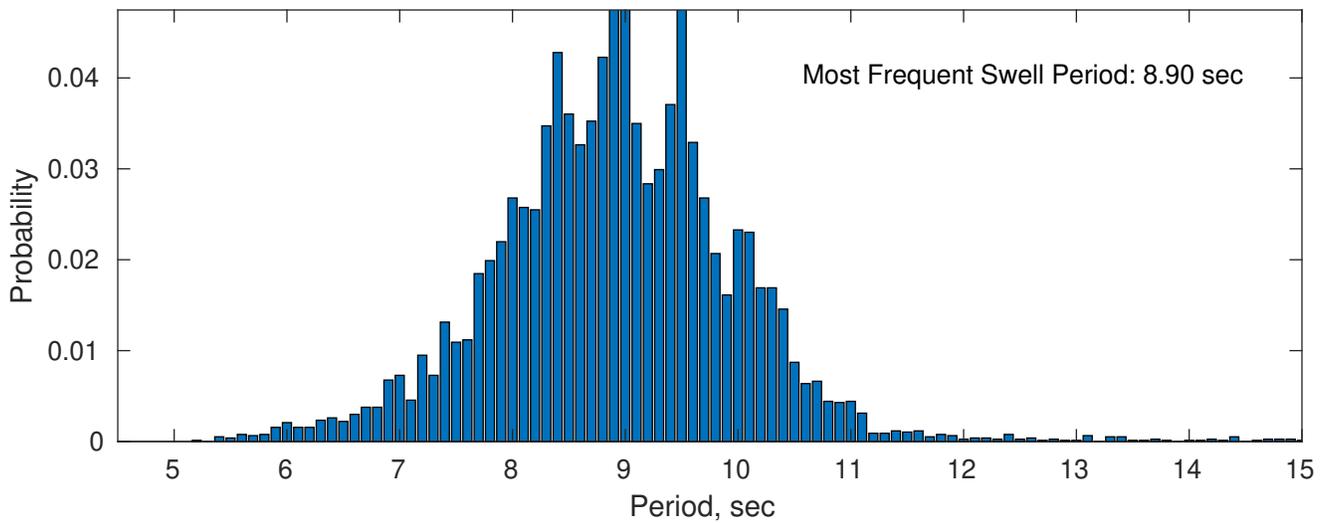
October Peak Wave Period PDF: 1979 - 2015



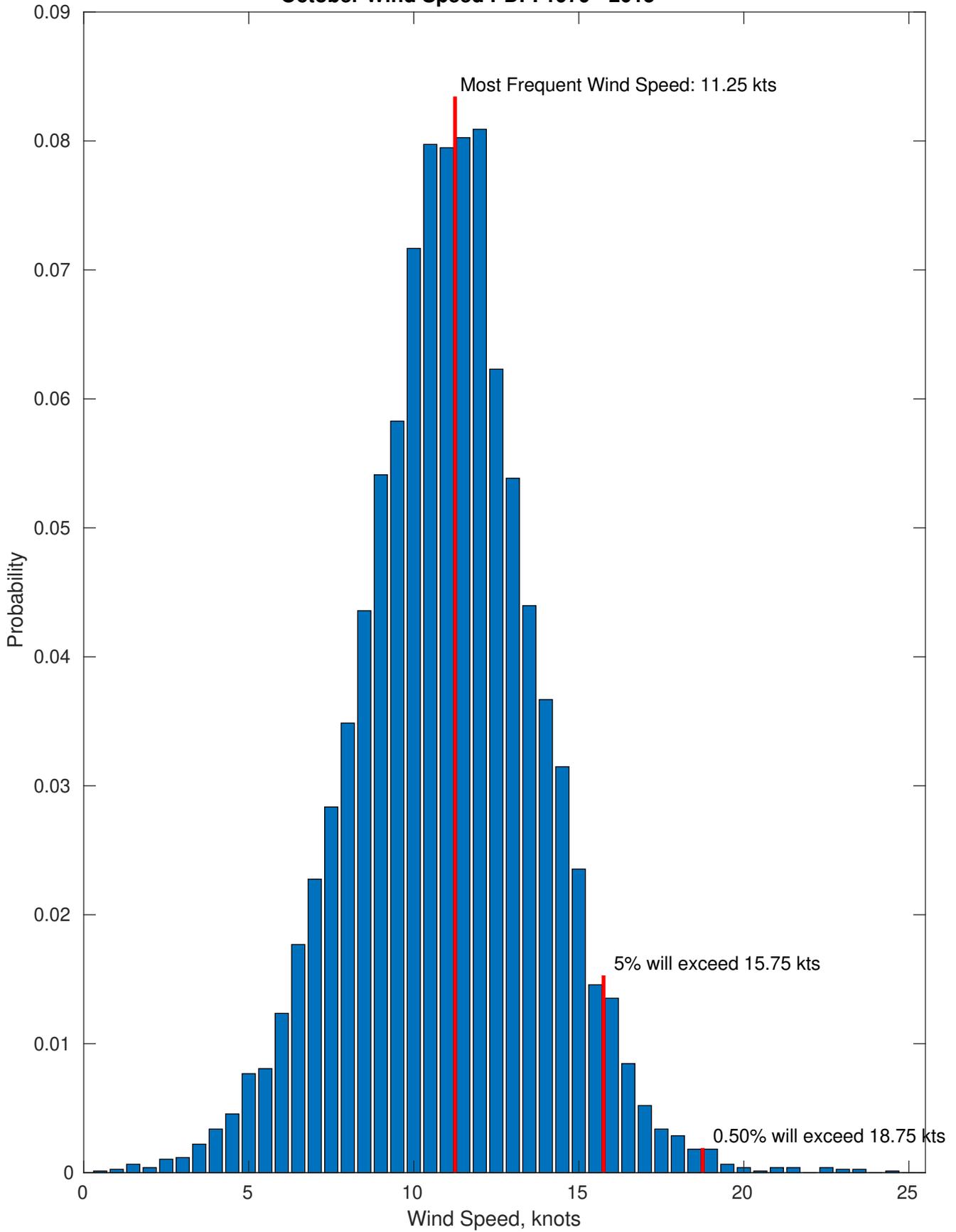
Wind-Sea: 0.95%



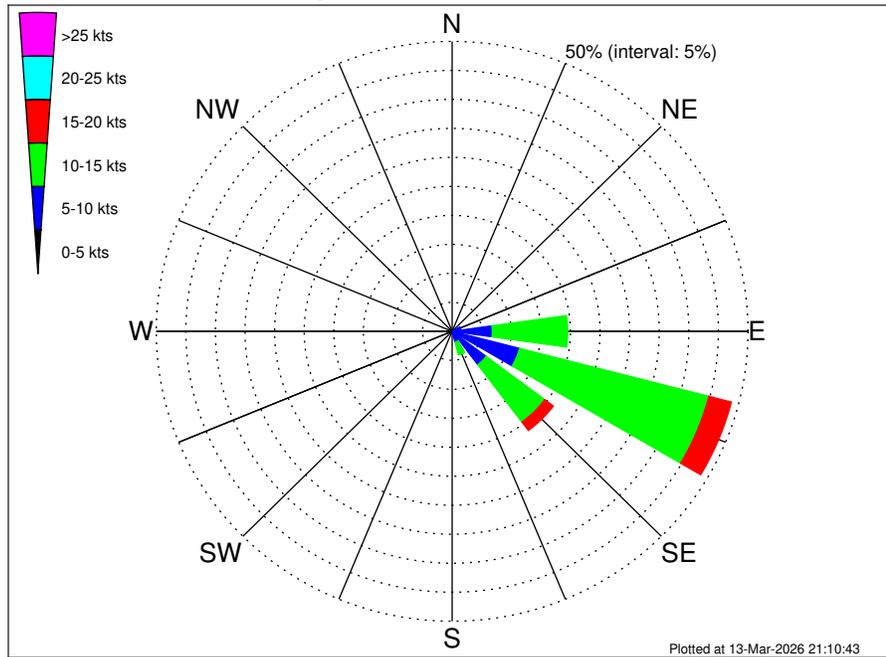
Swell: 99.05%



October Wind Speed PDF: 1979 - 2015



Tanzania MBES Climatological Wind Rose for October: 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	•	•	•	•	•	•	•	•	•	•	0.01
0 - 5 kts	•	•	0.05	0.08	0.27	0.26	0.30	0.20	0.10	0.03	0.01	0.03	0.03	0.01	•	•	1.37
5 - 10 kts	•	•	0.04	1.42	6.52	11.49	6.91	1.74	0.53	0.10	0.03	•	•	•	•	•	28.77
10 - 15 kts	•	•	•	1.25	12.73	33.05	12.40	2.28	0.26	0.07	•	•	•	•	•	•	62.03
15 - 20 kts	•	•	0.03	0.08	0.59	3.93	1.81	1.03	0.13	•	•	•	•	•	•	•	7.58
20 - 25 kts	•	•	•	•	•	0.09	0.01	0.05	0.08	•	•	•	•	•	•	•	0.23
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	0.12	2.82	20.11	48.83	21.42	5.29	1.11	0.20	0.04	0.03	0.03	0.01	•	•	100.00