

Tanzania MBES - August

Latitude: 8.22 S Longitude: 41.08 E

Weather Days

Wave Height > 5.0 ft Mean: 27.6 days Range: 25.2 - 29.9 days p50:28 days p75:25.5 days p90:24.5 days

Wave Height > 6.5 ft Mean: 15.1 days Range: 10.5 - 19.6 days p50:15 days p75:12 days p90:9 days

Wave Height > 8.0 ft Mean: 3.6 days Range: 0.8 - 6.3 days p50:3 days p75:2 days p90:1 days

Wind Speed > 15.0 knots Mean: 9.5 days Range: 6.7 - 12.3 days p50:10 days p75:7.5 days p90:6 days

Wind Speed > 20.0 knots Mean: 1.0 days Range: 0.1 - 2.0 days p50:1 days p75:0.5 days p90:0.5 days

Wind Speed > 25.0 knots Mean: 0.1 days Range: 0.0 - 0.2 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 0.3 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 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 1.6 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 2.7 times per month
A 3 day or longer window will statistically occur 2.5 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 12 - 14 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 6% / 94%

Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 20 - 25 kts, but rarely greater.

Principle Direction, from: SSE

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

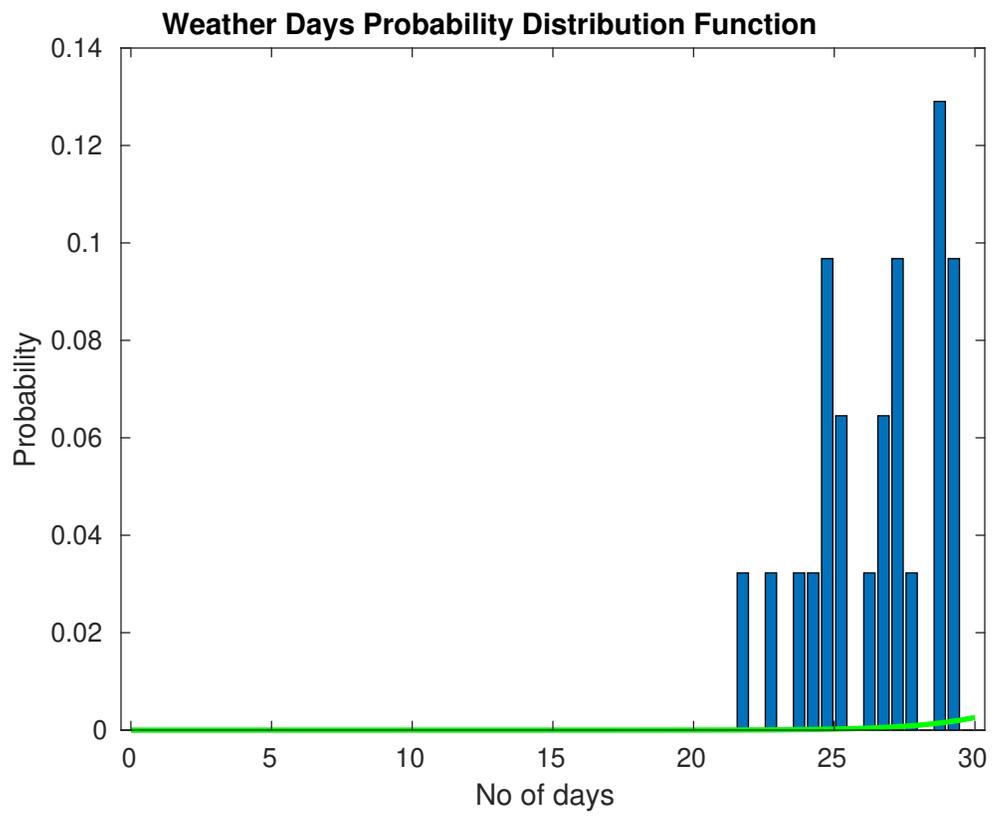
Current Speed > 0.5 knots Mean: 20.9 days Range: 15.5 - 26.2 days p50:25 days p75:16 days p90:13 days

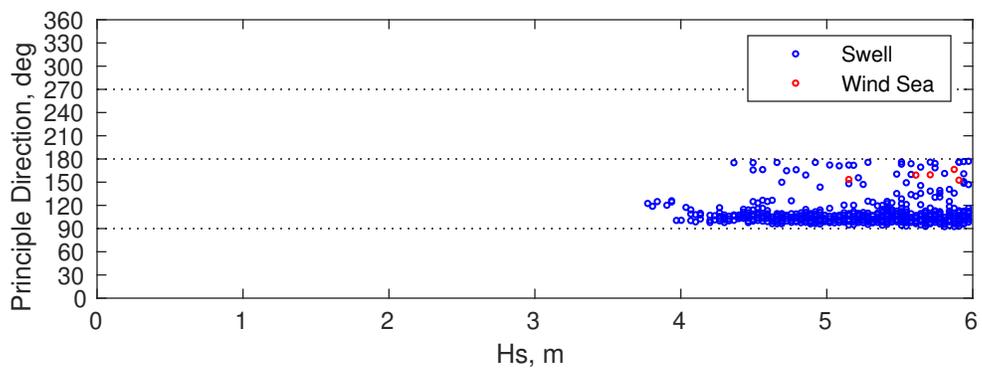
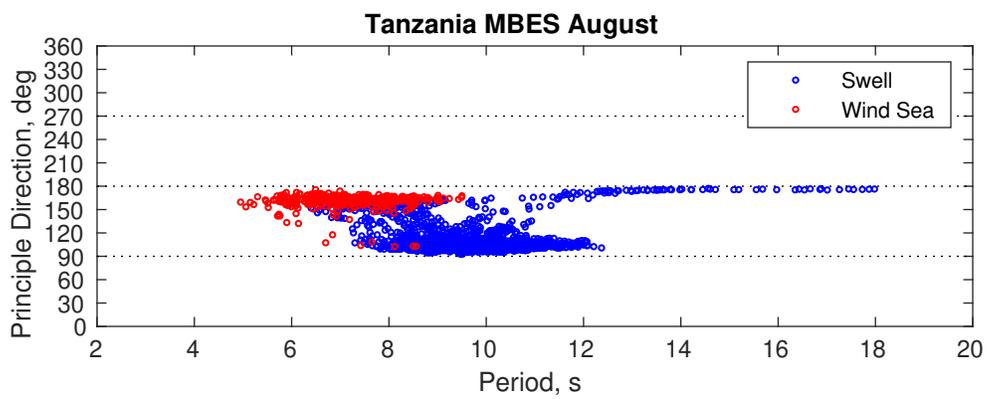
Current Speed > 1.0 knots Mean: 3.7 days Range: 0.2 - 7.1 days p50:4 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.1 days Range: 0.0 - 0.4 days p50:1 days p75:1 days p90:1 days

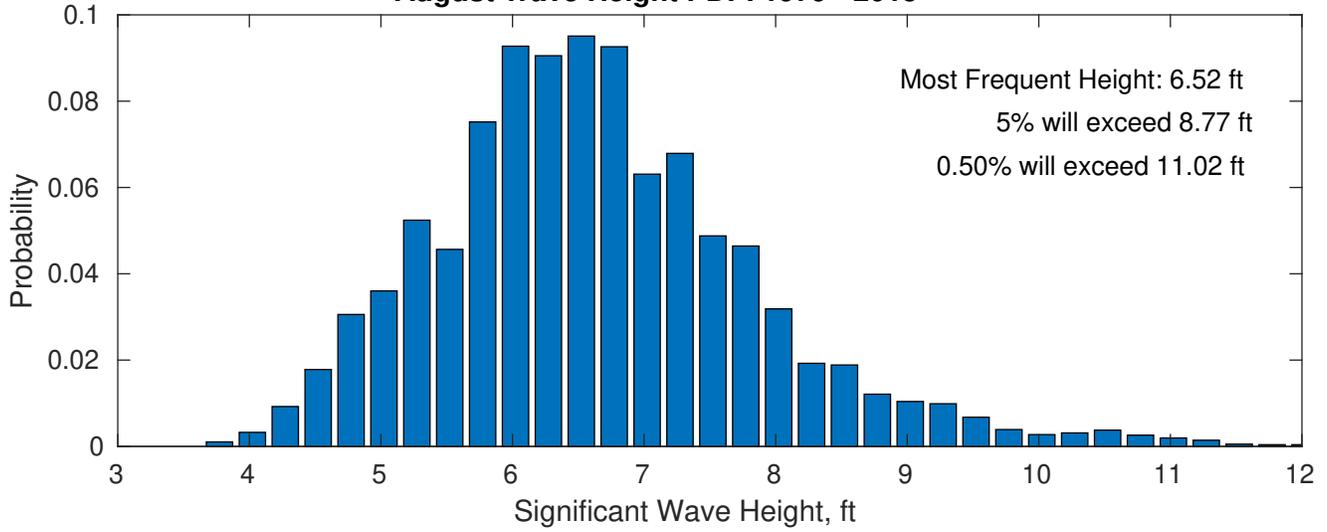
Severe Storms

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

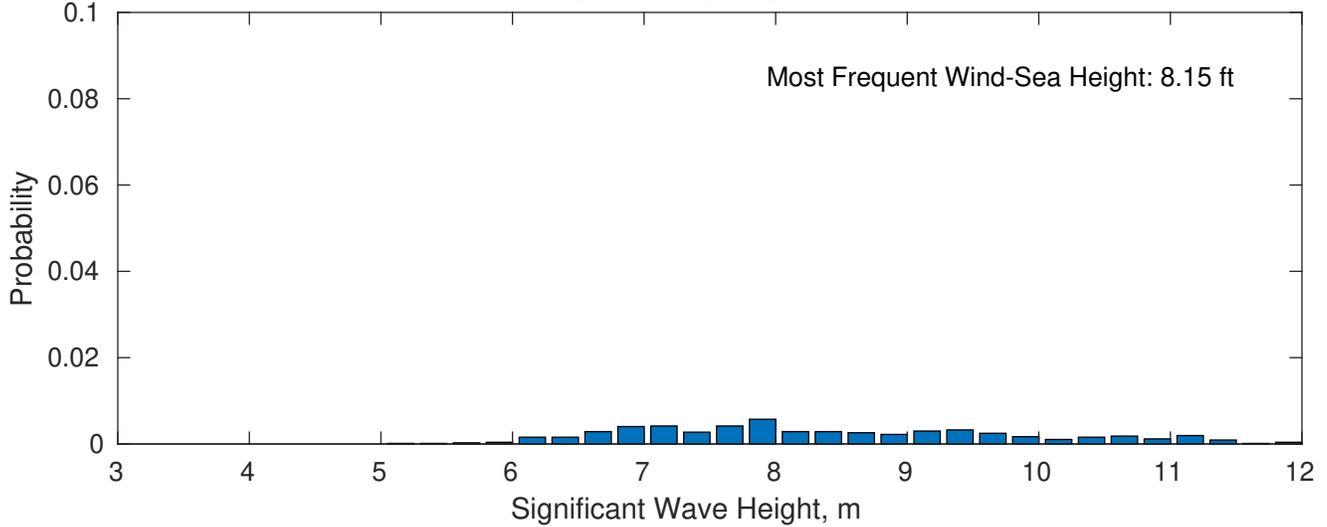




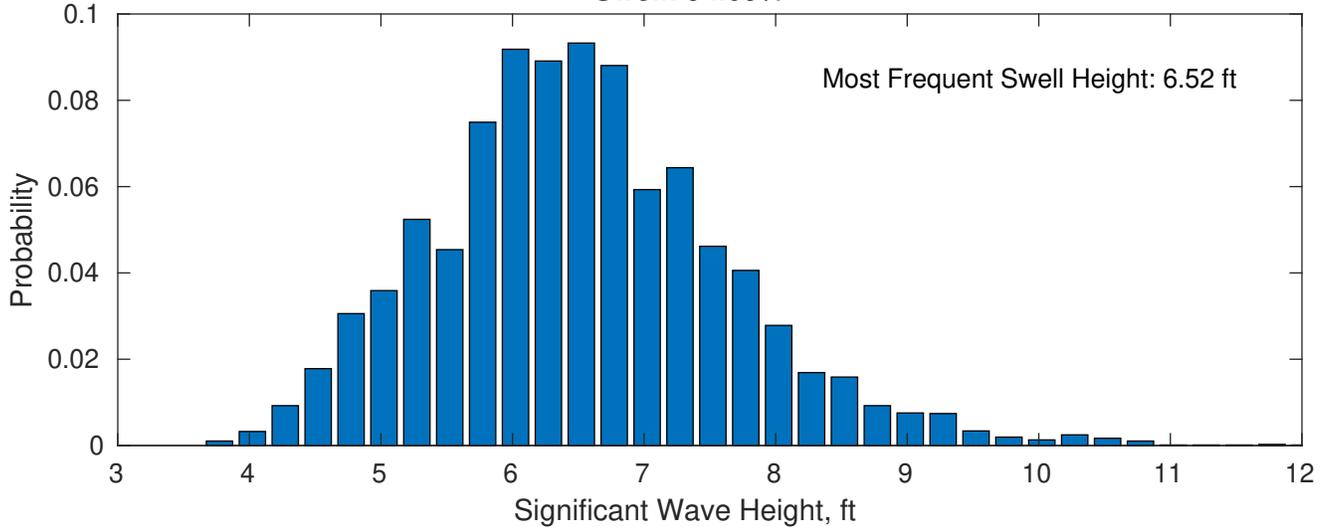
August Wave Height PDF: 1979 - 2015



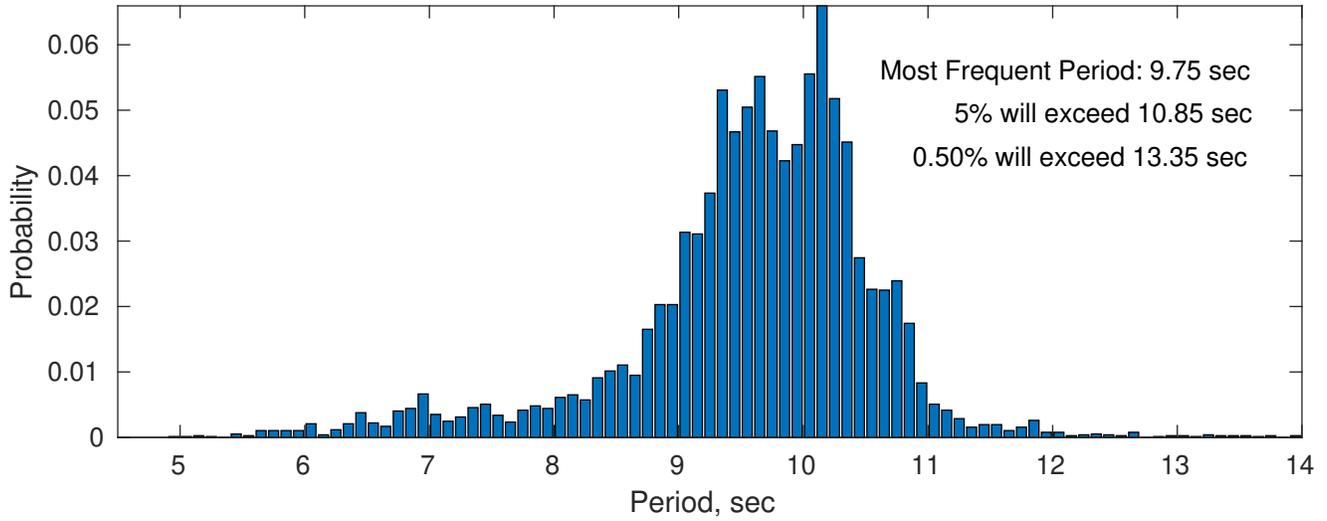
Wind-Sea: 5.91%



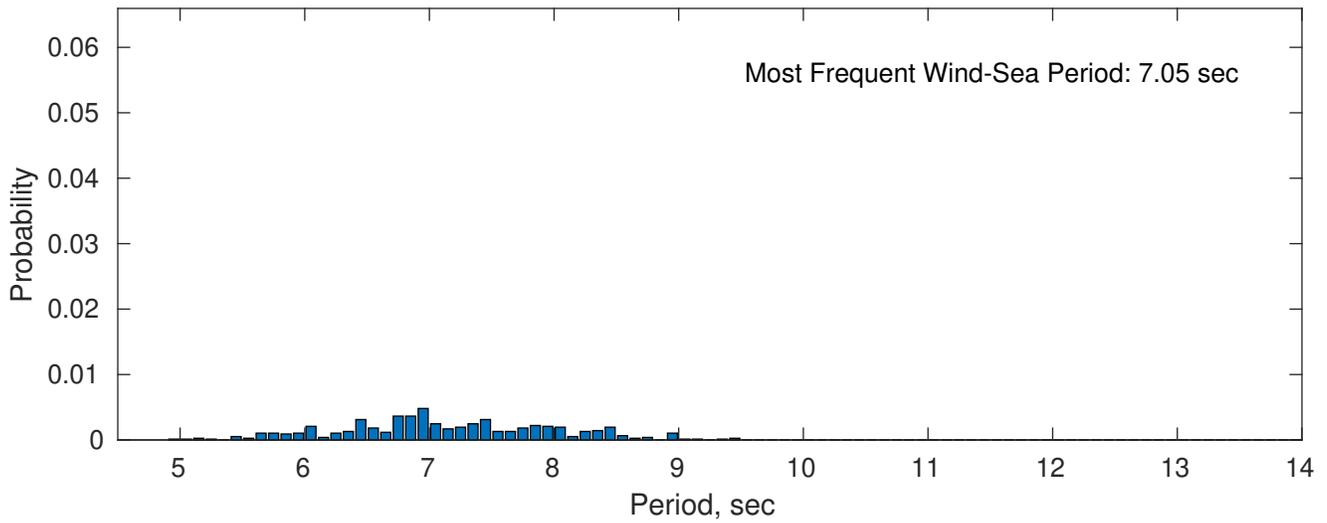
Swell: 94.09%



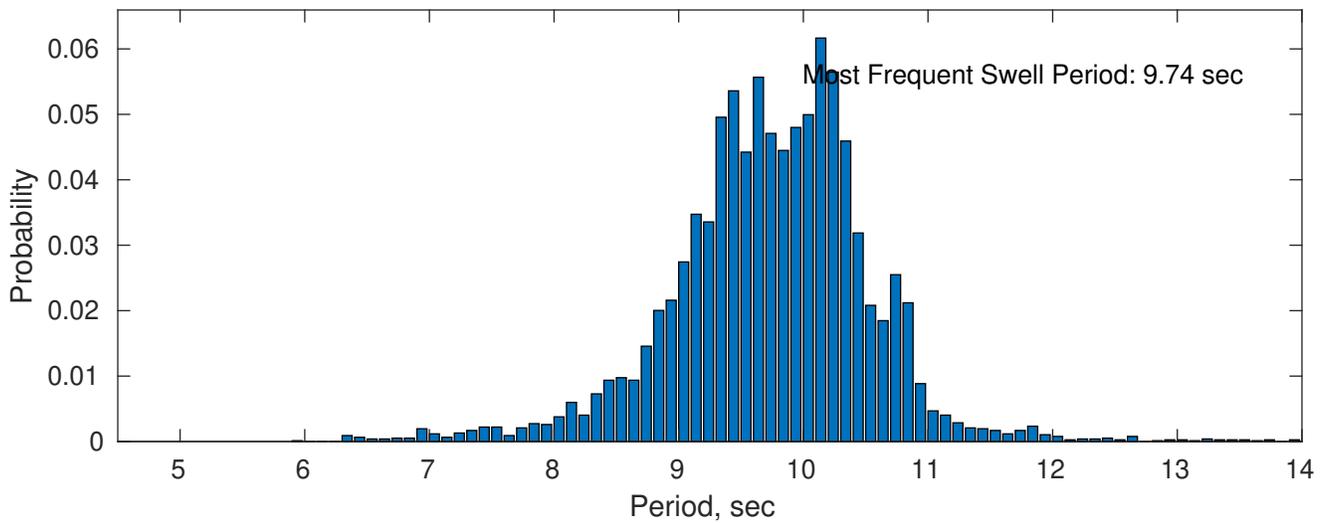
August Peak Wave Period PDF: 1979 - 2015



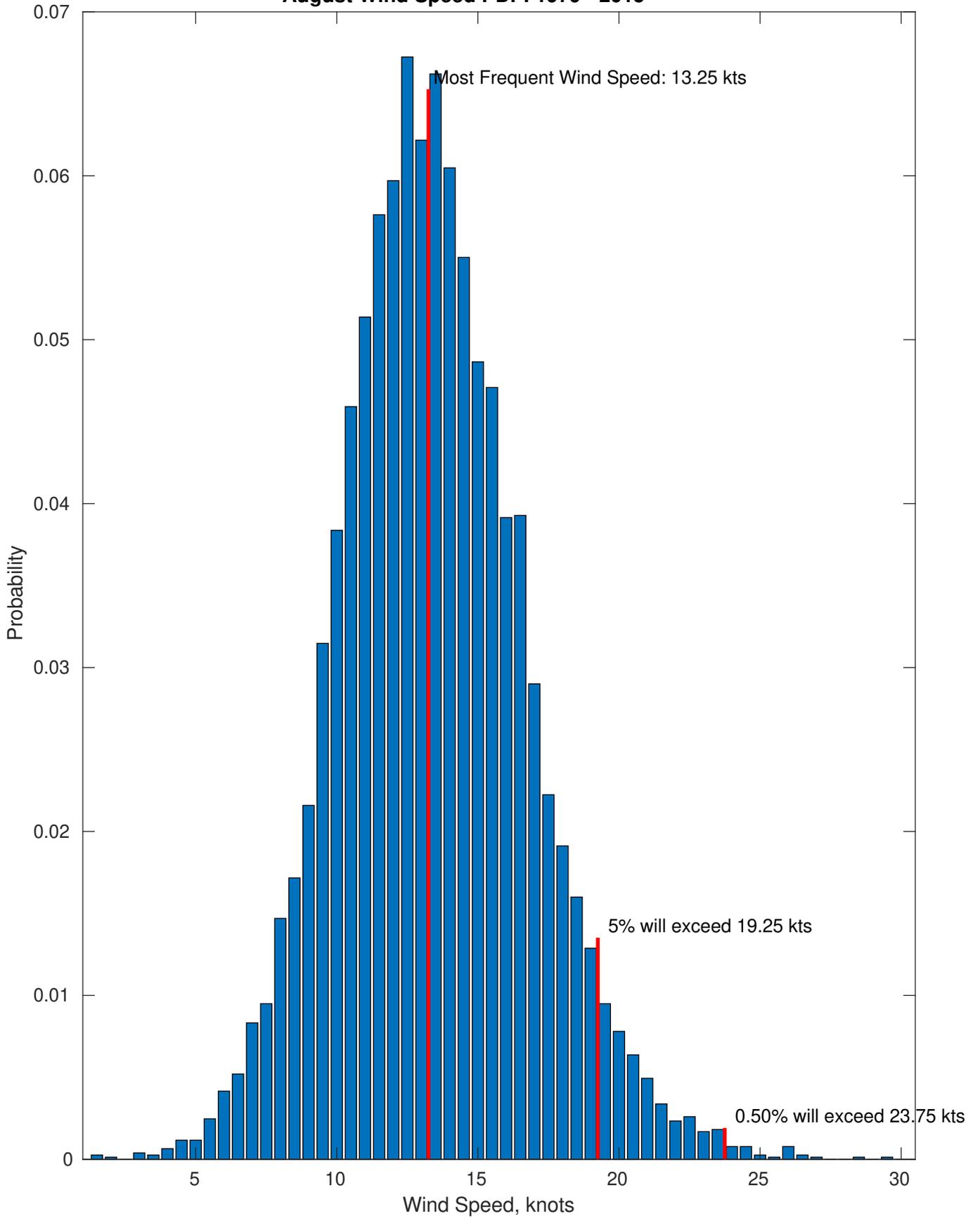
Wind-Sea: 5.91%



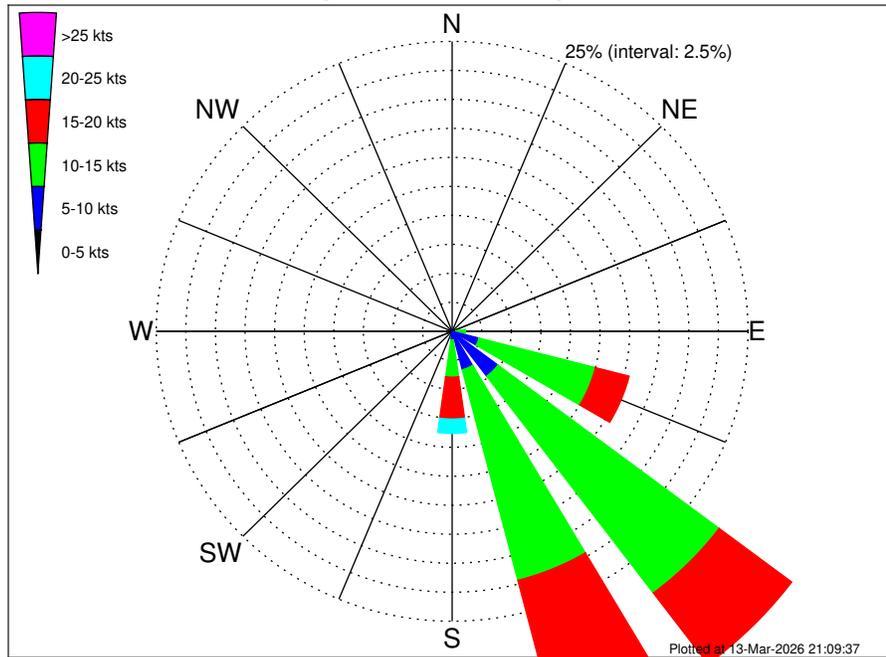
Swell: 94.09%



August Wind Speed PDF: 1979 - 2015



Tanzania MBES Climatological Wind Rose for August: 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	0.04	0.04	0.12	0.04	0.03	•	•	•	•	0.01	•	0.29
5 - 10 kts	•	•	•	•	0.30	2.32	4.81	3.30	0.72	0.13	•	•	•	•	•	•	11.58
10 - 15 kts	•	•	•	•	0.82	10.16	23.40	18.76	3.20	0.08	•	•	•	•	•	•	56.41
15 - 20 kts	•	•	•	•	0.03	2.94	7.67	13.88	3.62	0.16	•	•	•	•	•	•	28.29
20 - 25 kts	•	•	•	•	•	0.05	0.12	1.83	1.24	0.01	•	•	•	•	•	•	3.25
25 - 30 kts	•	•	•	•	•	•	•	0.05	0.13	•	•	•	•	•	•	•	0.18
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	1.16	15.50	36.04	37.94	8.94	0.40	•	•	•	•	0.01	•	100.00