

Tanzania MBES - September

Latitude: 8.22 S Longitude: 41.08 E

Weather Days

Wave Height > 5.0 ft Mean: 23.1 days Range: 18.0 - 28.1 days p50:24 days p75:18.5 days p90:15 days

Wave Height > 6.5 ft Mean: 8.8 days Range: 3.2 - 14.3 days p50:7.5 days p75:5 days p90:2.5 days

Wave Height > 8.0 ft Mean: 1.9 days Range: 0.2 - 3.7 days p50:3 days p75:1.5 days p90:1 days

Wind Speed > 15.0 knots Mean: 3.9 days Range: 1.9 - 5.9 days p50:4 days p75:3 days p90:1.5 days

Wind Speed > 20.0 knots Mean: 0.4 days Range: 0.0 - 1.0 days p50:0.5 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 1.7 times per month
A 2 day or longer window will statistically occur 1.1 times per month
A 3 day or longer window will statistically occur 0.6 times per month

Wave Height < 6.5 ft
A 1 day or longer window will statistically occur 3.3 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 1.9 times per month

Wave Height < 8.0 ft
A 1 day or longer window will statistically occur 2.3 times per month
A 2 day or longer window will statistically occur 2.0 times per month
A 3 day or longer window will statistically occur 1.9 times per month

Waves

Mean Height: 4 - 6 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: 2% / 98%

Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: ESE

Currents

Mean Speed: 0.25-0.50 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: 14.2 days Range: 8.6 - 19.7 days p50:16 days p75:10 days p90:8 days

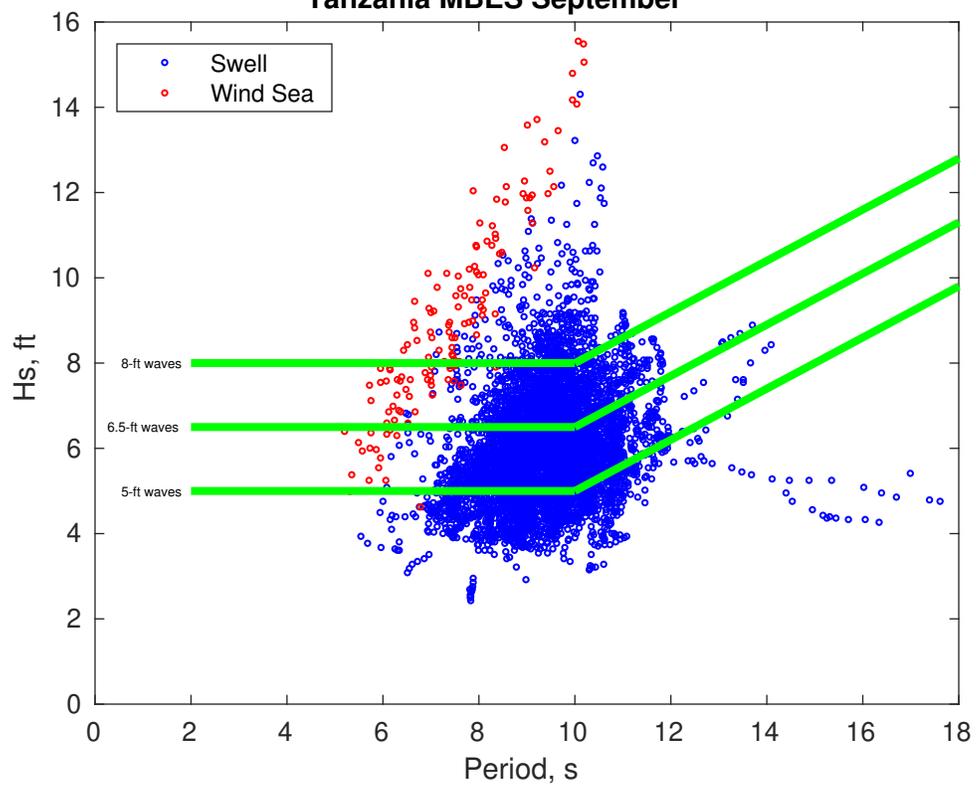
Current Speed > 1.0 knots Mean: 1.4 days Range: 0.0 - 3.2 days p50:2 days p75:1 days p90:1 days

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

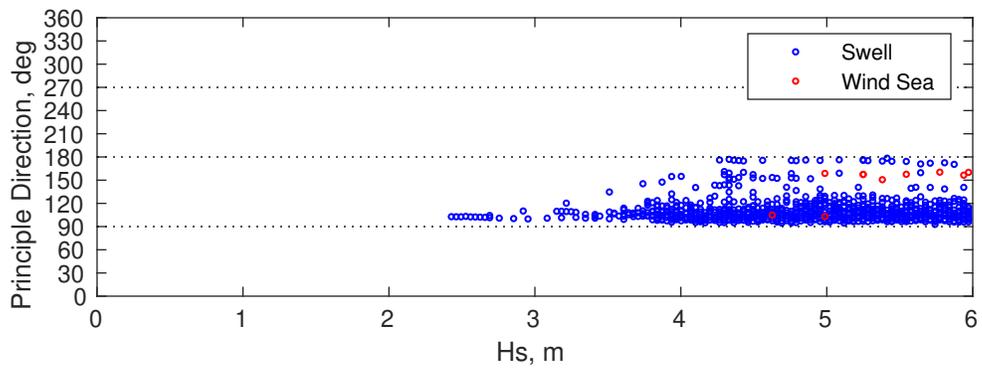
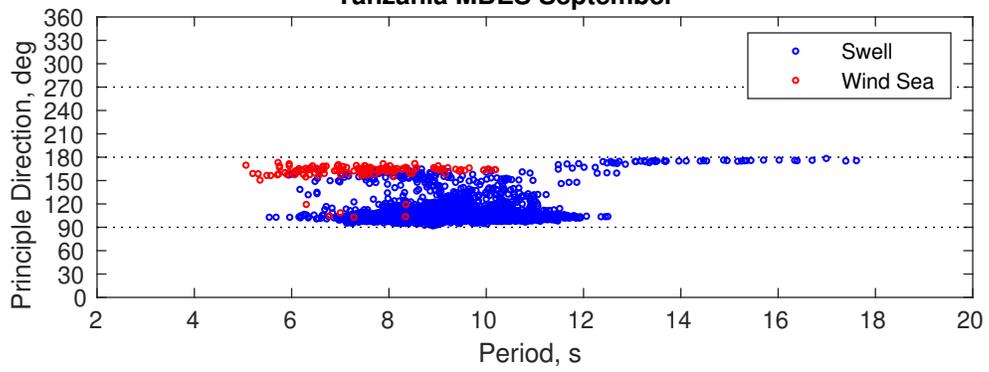
Severe Storms

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

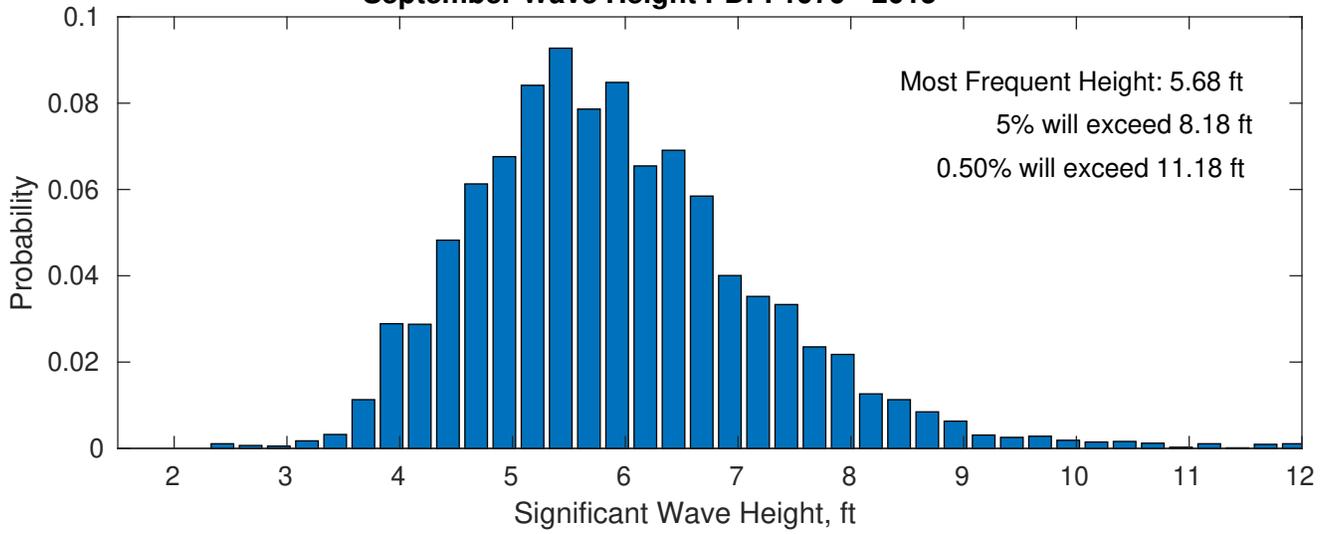
Tanzania MBES September



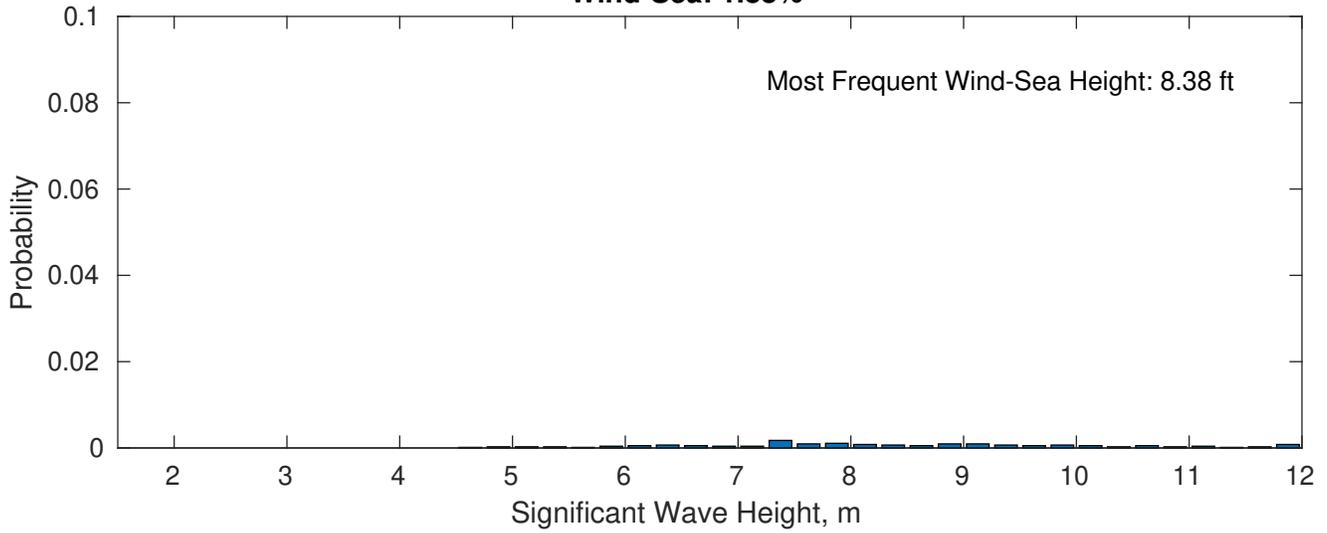
Tanzania MBES September



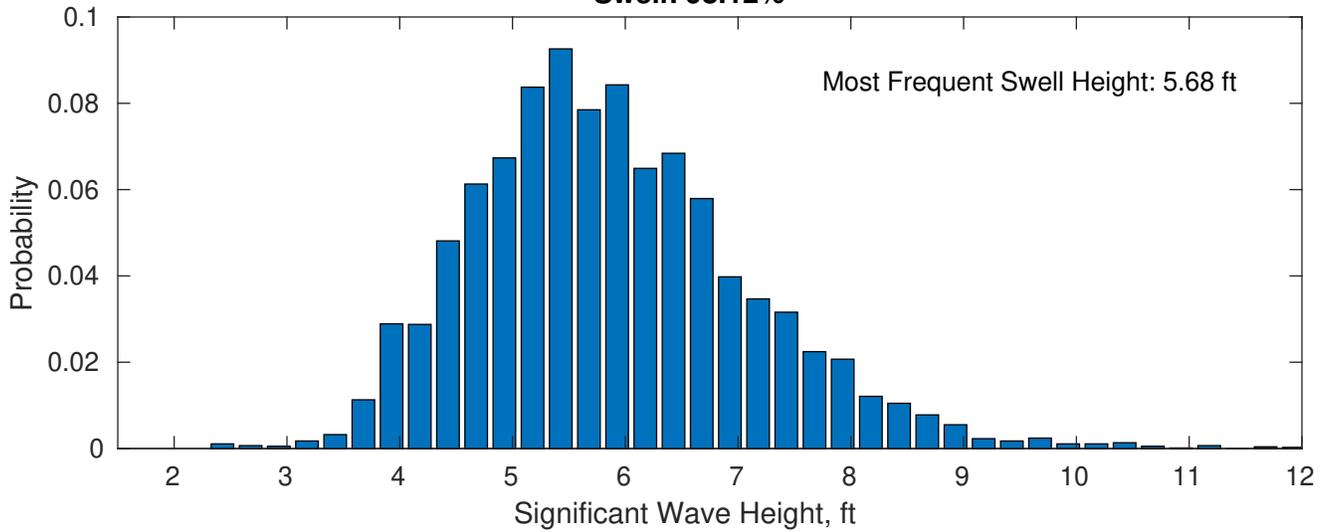
September Wave Height PDF: 1979 - 2015



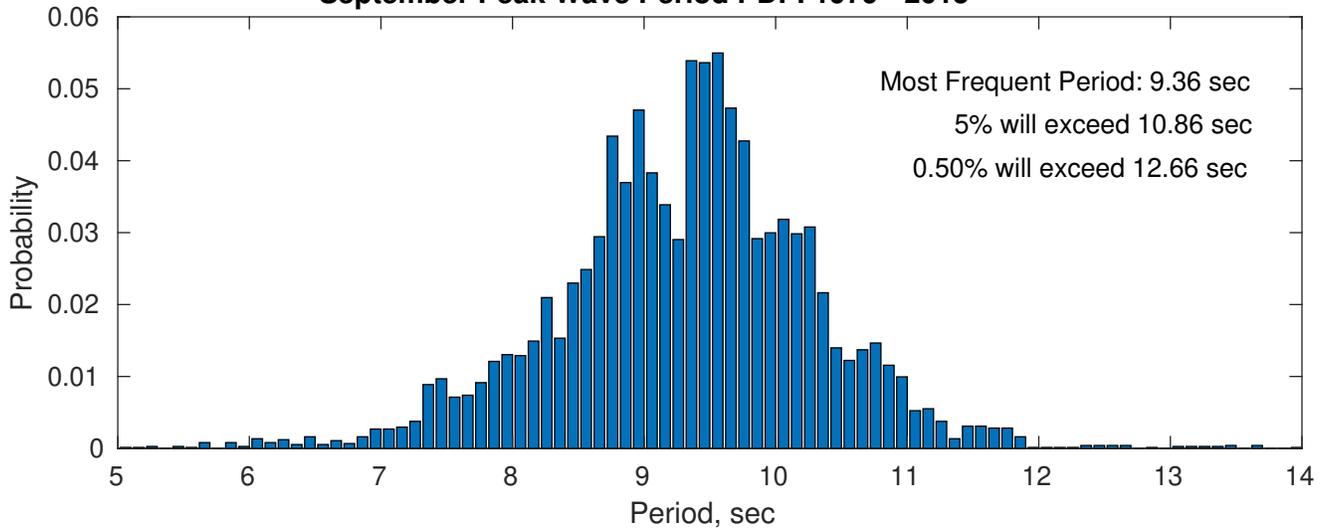
Wind-Sea: 1.88%



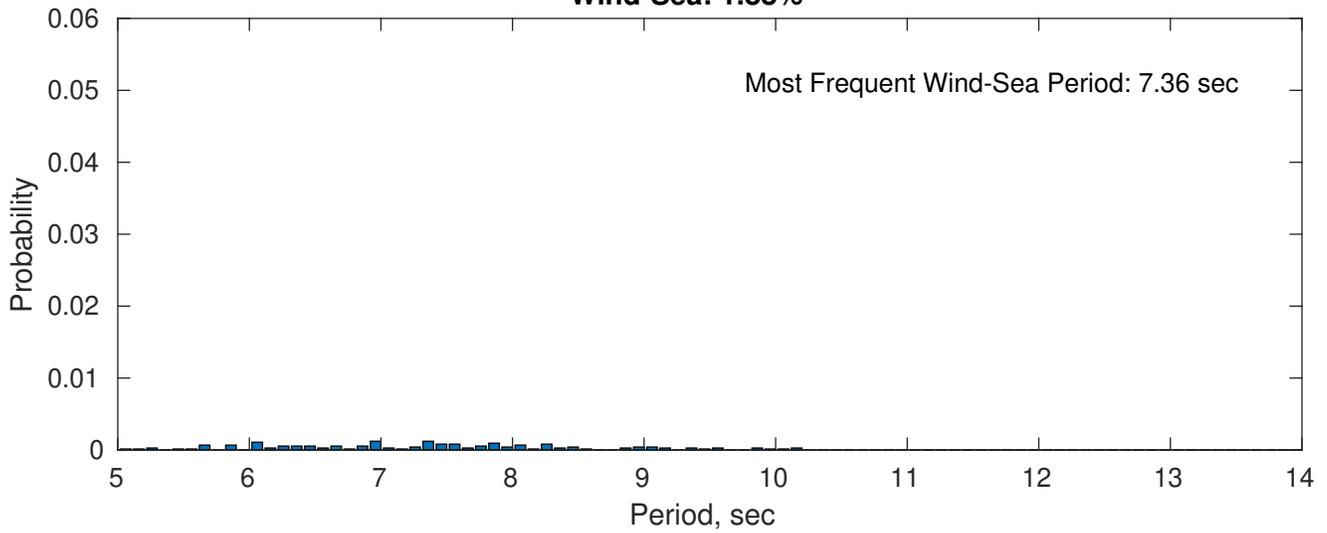
Swell: 98.12%



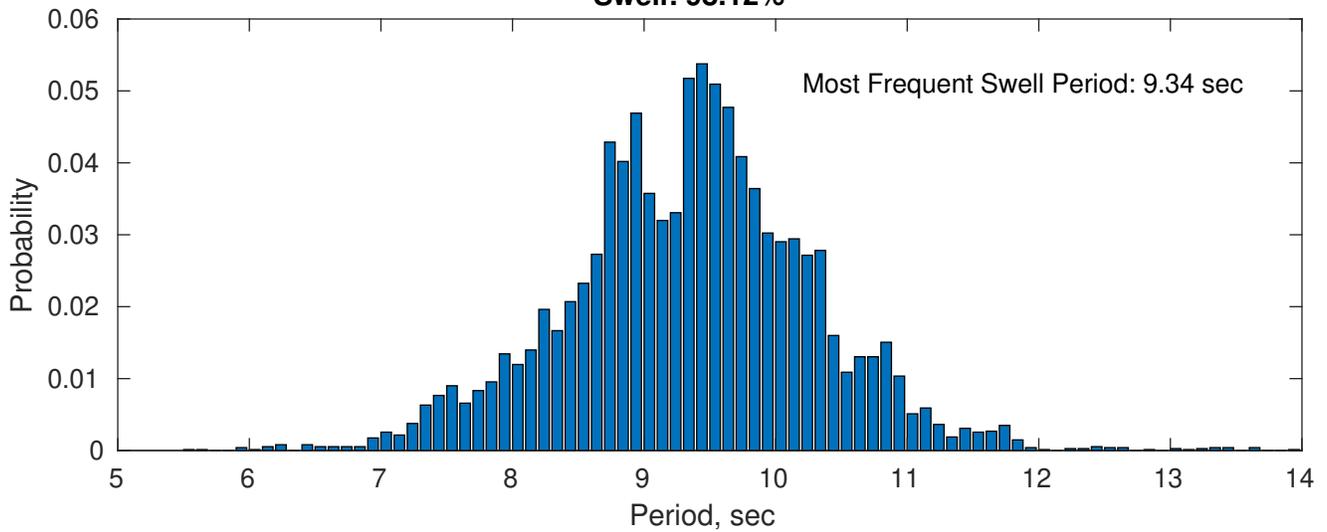
September Peak Wave Period PDF: 1979 - 2015



Wind-Sea: 1.88%

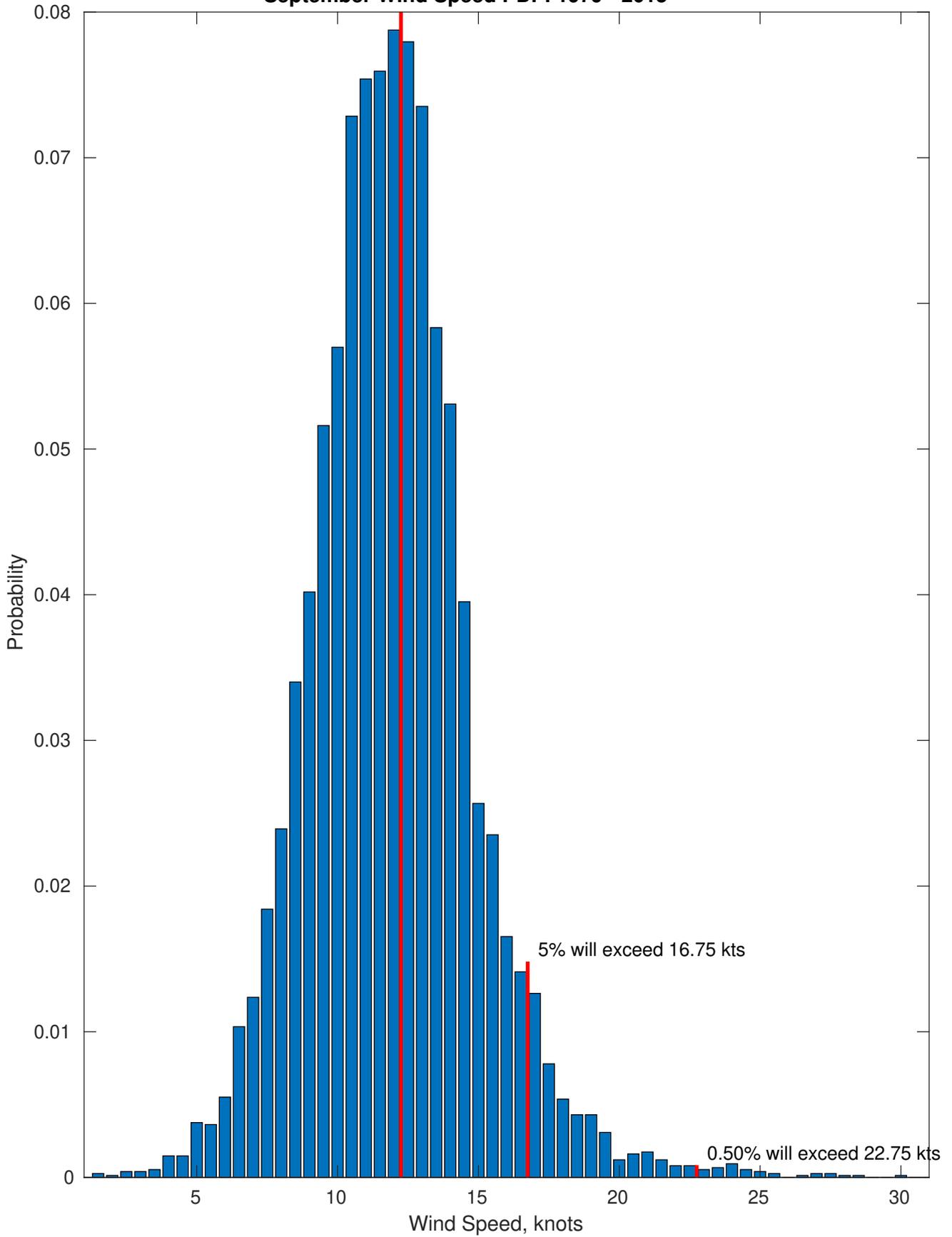


Swell: 98.12%

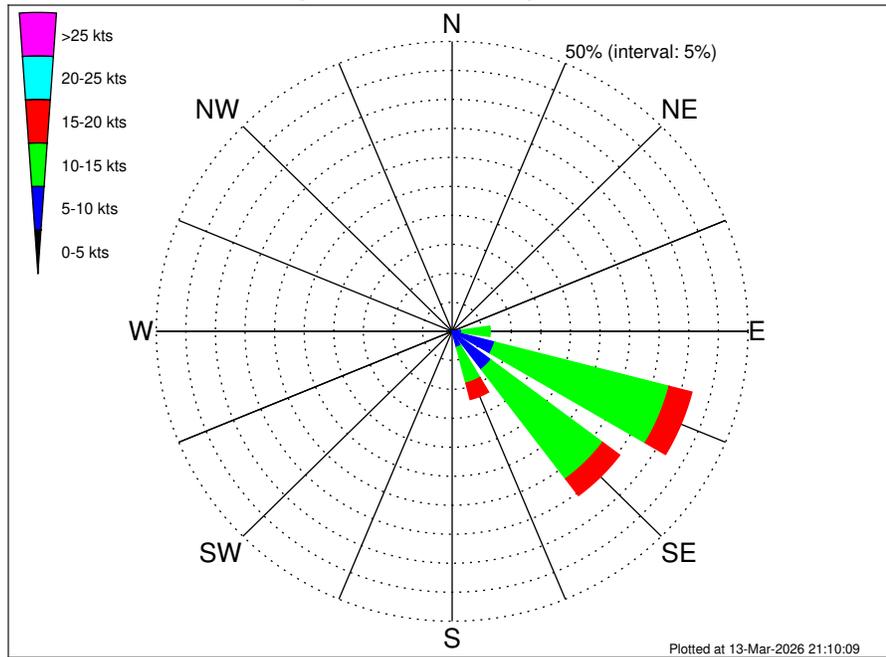


Most Frequent Wind Speed: 12.25 kts

September Wind Speed PDF: 1979 - 2015



Tanzania MBES Climatological Wind Rose for September: 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	0.09	0.16	0.08	0.03	•	•	•	0.01	•	0.01	•	0.47
5 - 10 kts	•	•	•	0.09	1.57	7.33	8.04	2.77	0.51	0.07	•	•	•	•	•	•	20.38
10 - 15 kts	•	•	•	0.24	4.83	30.46	23.66	6.38	0.66	0.01	•	•	•	•	•	•	66.24
15 - 20 kts	•	•	•	0.01	0.54	3.98	3.62	2.92	0.67	•	•	•	•	•	•	•	11.73
20 - 25 kts	•	•	•	•	0.03	0.03	0.01	0.58	0.35	0.01	•	•	•	•	•	•	1.01
25 - 30 kts	•	•	•	•	•	•	•	0.07	0.09	•	•	•	•	•	•	•	0.16
30 - 35 kts	•	•	•	•	•	•	•	•	0.01	•	•	•	•	•	•	•	0.01
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.01	0.01	•	0.36	7.00	41.88	35.48	12.80	2.33	0.09	•	•	0.01	•	0.01	•	100.00