

## Tanzania MBES - May

Latitude: 8.22 S Longitude: 41.08 E

### Weather Days

Wave Height > 5.0 ft Mean: 20.8 days Range: 16.8 - 24.7 days p50:20.5 days p75:18 days p90:16.5 days

Wave Height > 6.5 ft Mean: 9.1 days Range: 5.2 - 13.1 days p50:10 days p75:6.5 days p90:4 days

Wave Height > 8.0 ft Mean: 2.4 days Range: 0.5 - 4.3 days p50:2.5 days p75:1 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 12.8 days Range: 9.2 - 16.4 days p50:13 days p75:11 days p90:7.5 days

Wind Speed > 20.0 knots Mean: 1.3 days Range: 0.0 - 2.6 days p50:1 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 1.9 times per month  
A 2 day or longer window will statistically occur 1.3 times per month  
A 3 day or longer window will statistically occur 0.9 times per month

Wave Height < 6.5 ft  
A 1 day or longer window will statistically occur 3.2 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 2.0 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 1.8 times per month

### Waves

Mean Height: 4 - 6 ft

The wave heights will occasionally reach 8 - 10 ft, but rarely higher.

Mean Period: 6 - 8 sec

The wave periods will occasionally reach 12 - 14 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 27% / 73%

### Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: SSE

### Currents

Mean Speed: 0.75-1.00 kts

The currents will occasionally reach 2.00-2.25 kts, but rarely greater.

Principle Direction, to: NW

### Weather Days

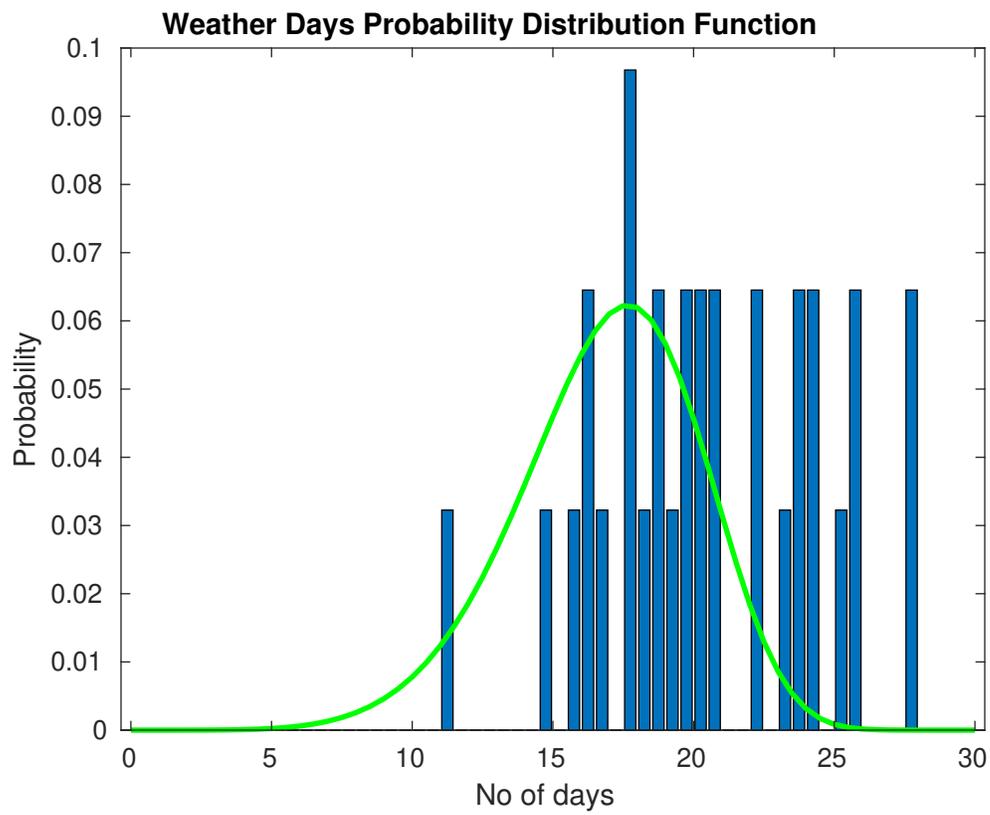
Current Speed > 0.5 knots Mean: 24.5 days Range: 18.4 - 30.0 days p50:27 days p75:23 days p90:17 days

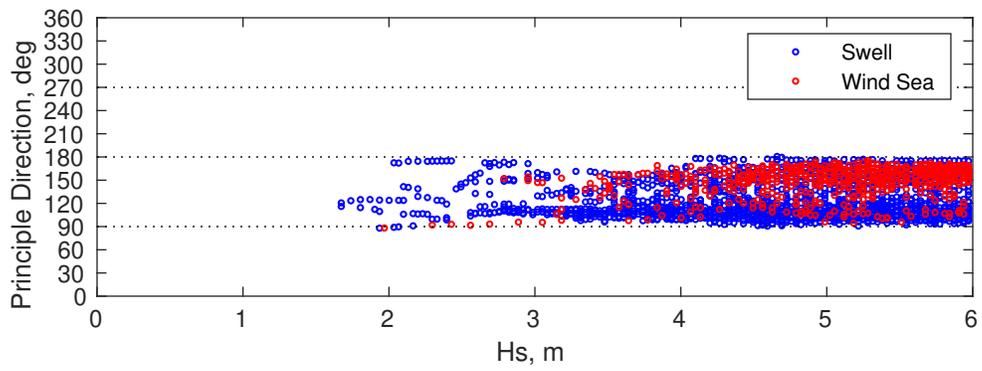
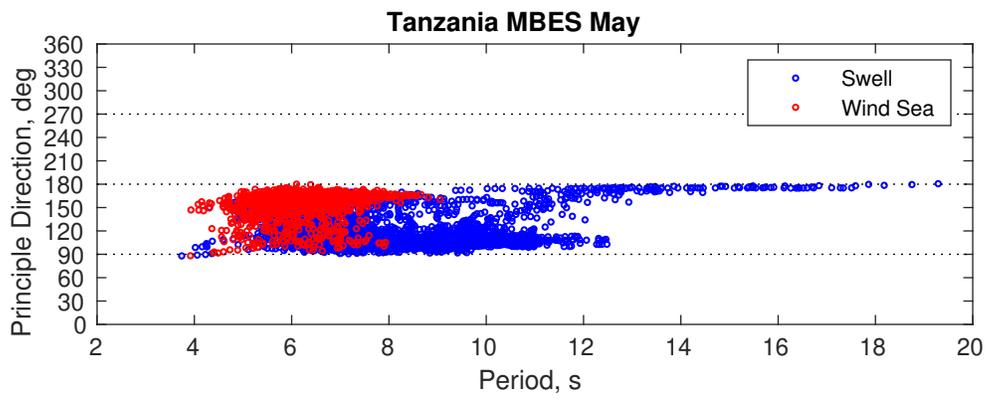
Current Speed > 1.0 knots Mean: 7.9 days Range: 1.4 - 14.4 days p50:11 days p75:3 days p90:1 days

Current Speed > 1.5 knots Mean: 1.6 days Range: 0.0 - 4.6 days p50:1 days p75:1 days p90:1 days

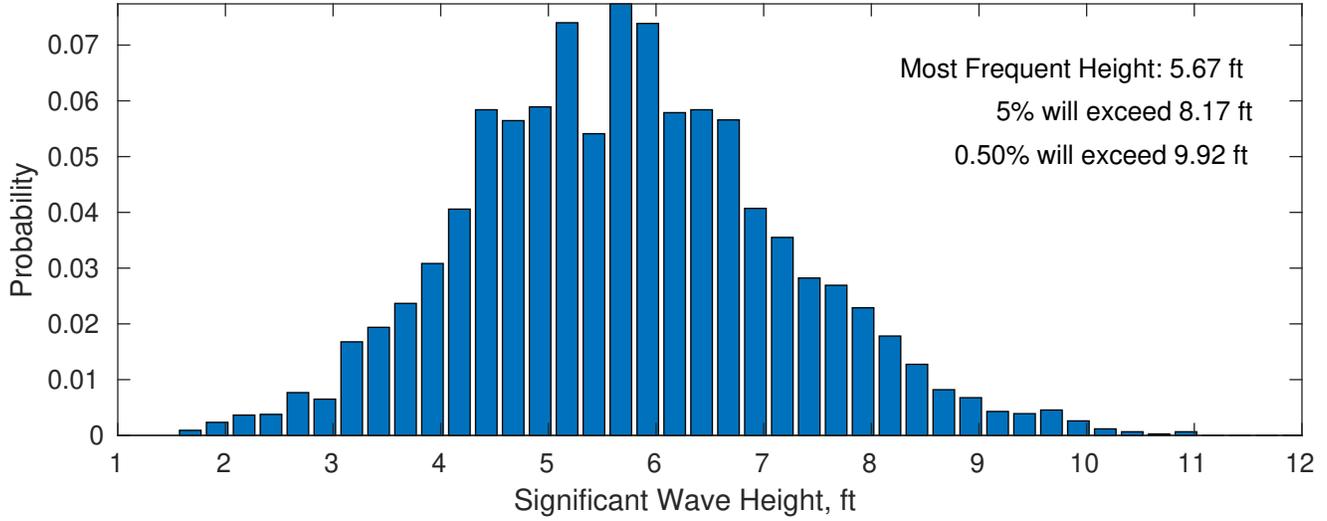
### Severe Storms

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

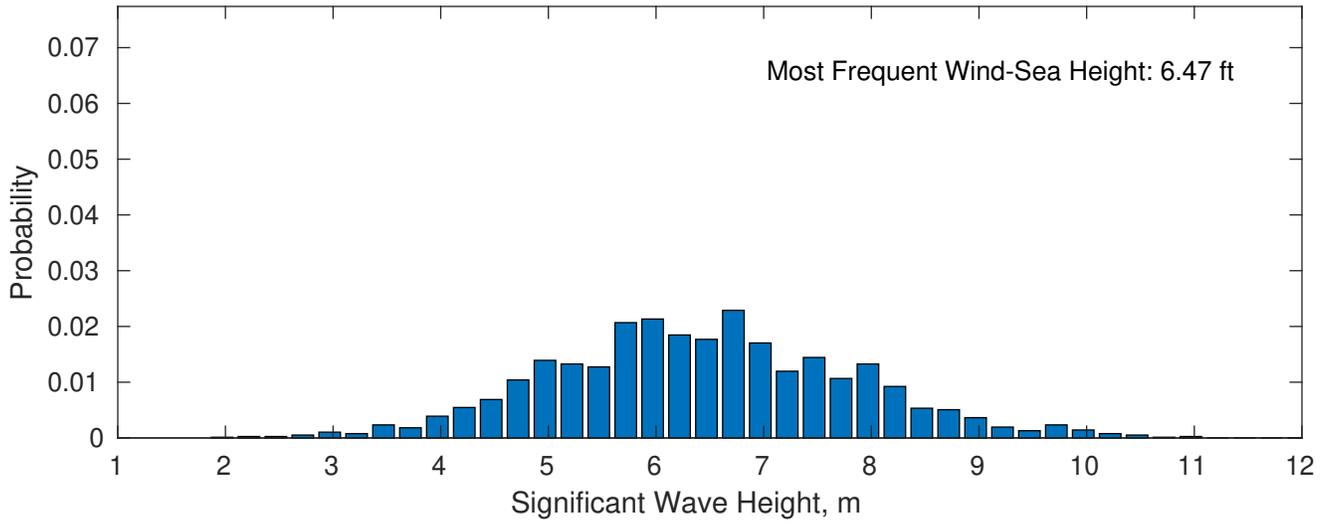




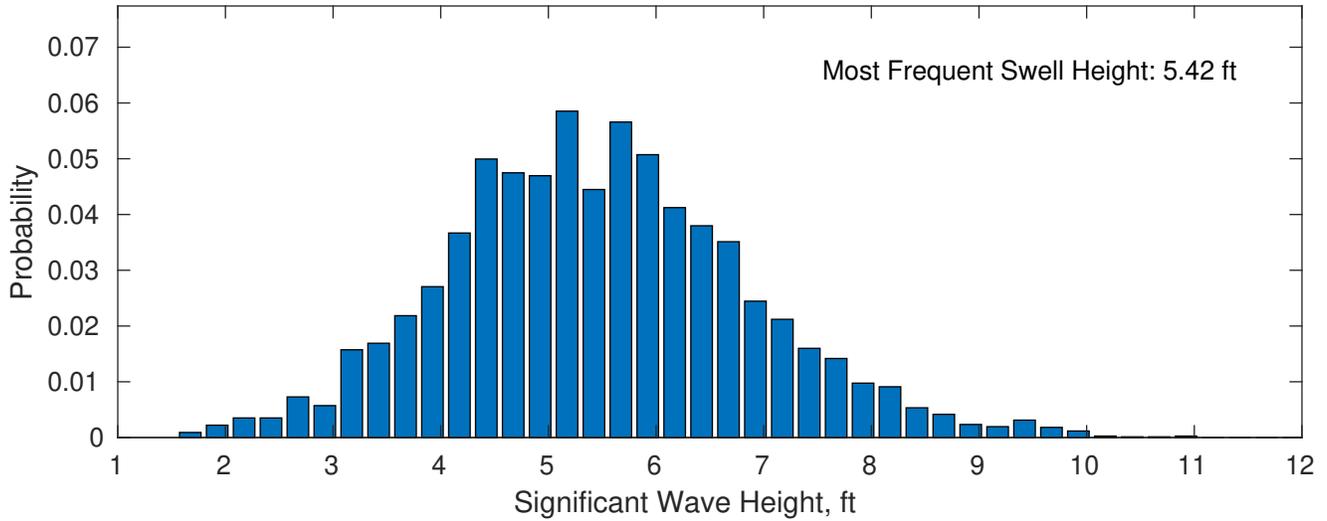
**May Wave Height PDF: 1979 - 2015**



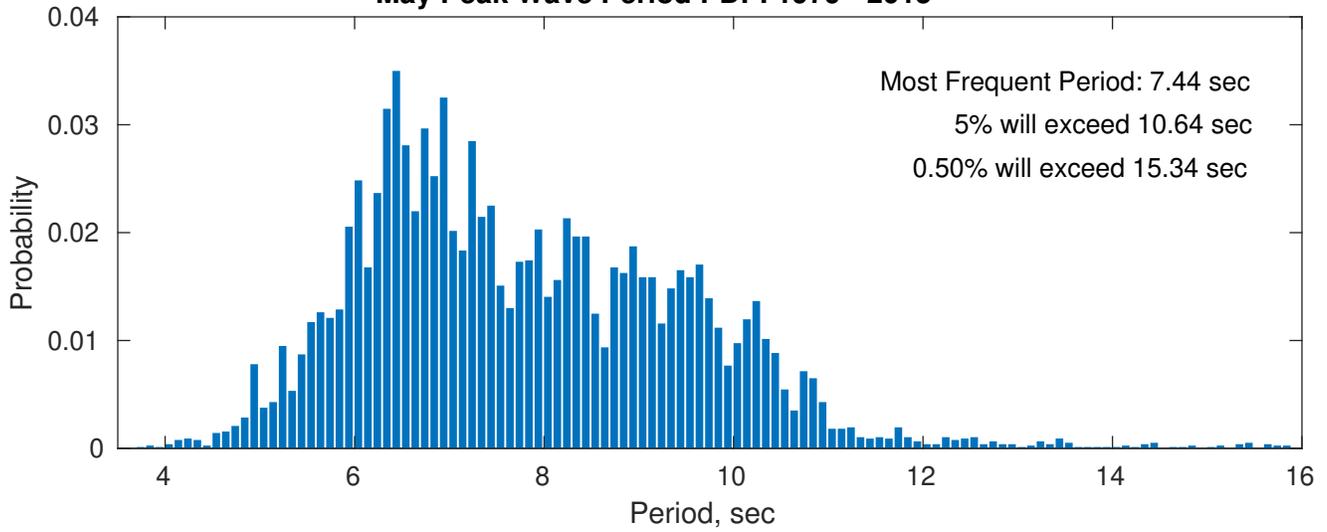
**Wind-Sea: 27.42%**



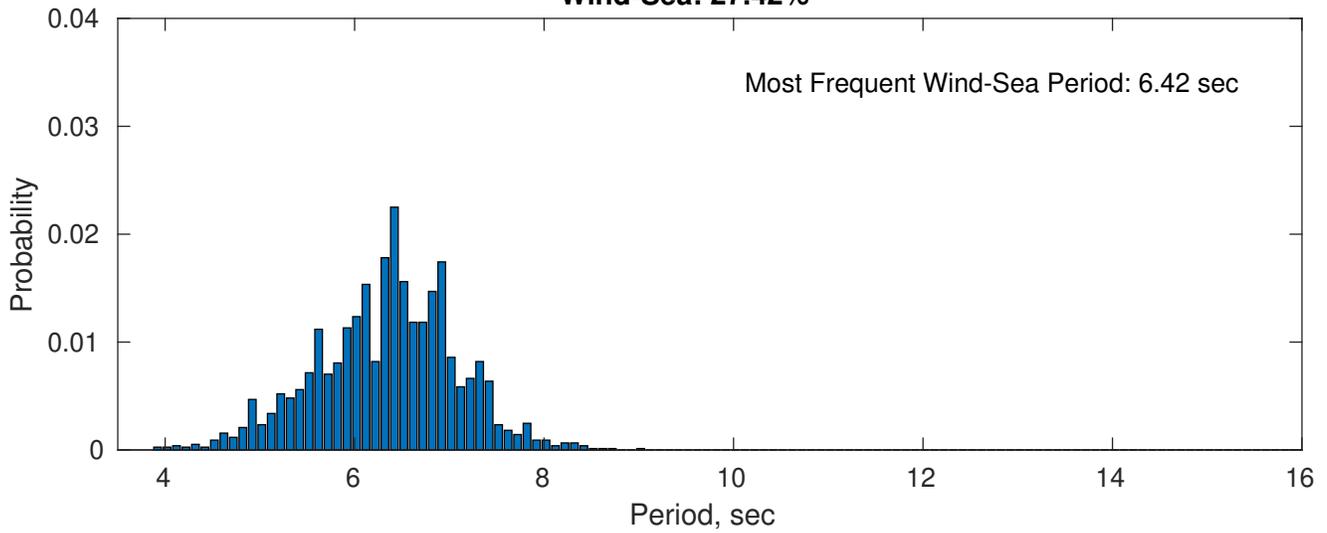
**Swell: 72.58%**



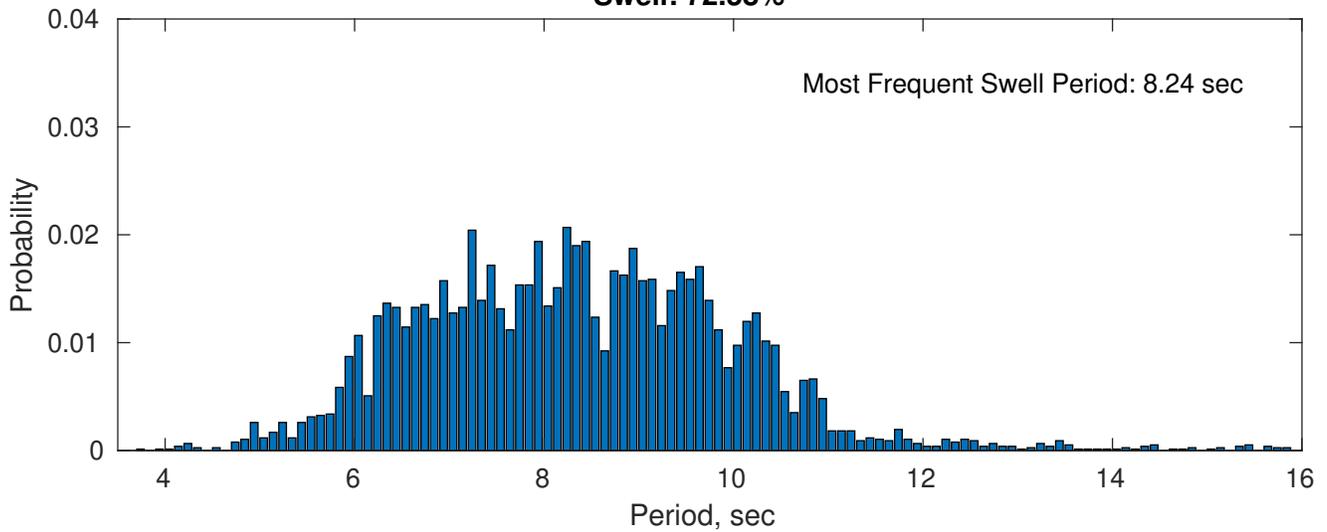
**May Peak Wave Period PDF: 1979 - 2015**



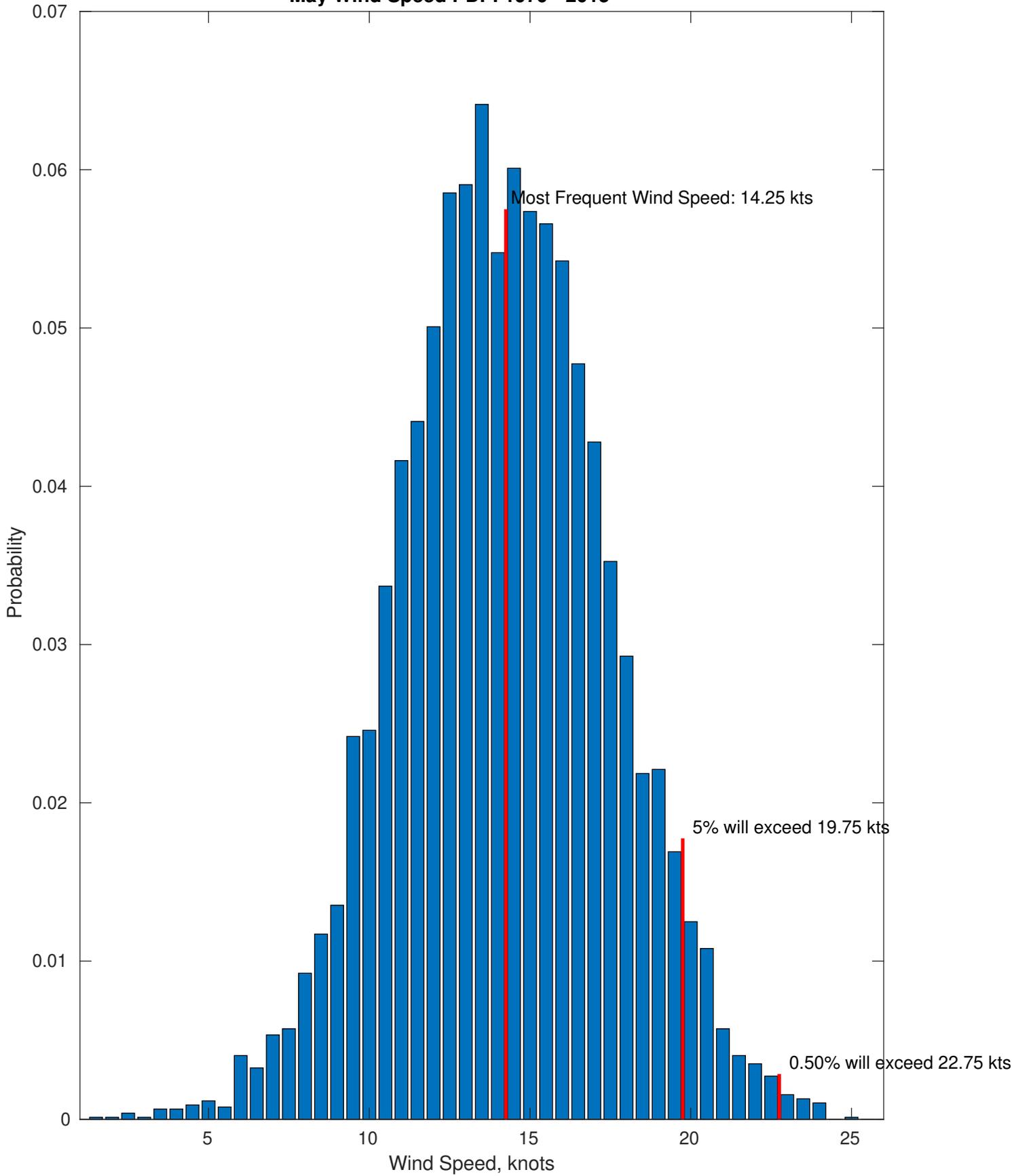
**Wind-Sea: 27.42%**



**Swell: 72.58%**



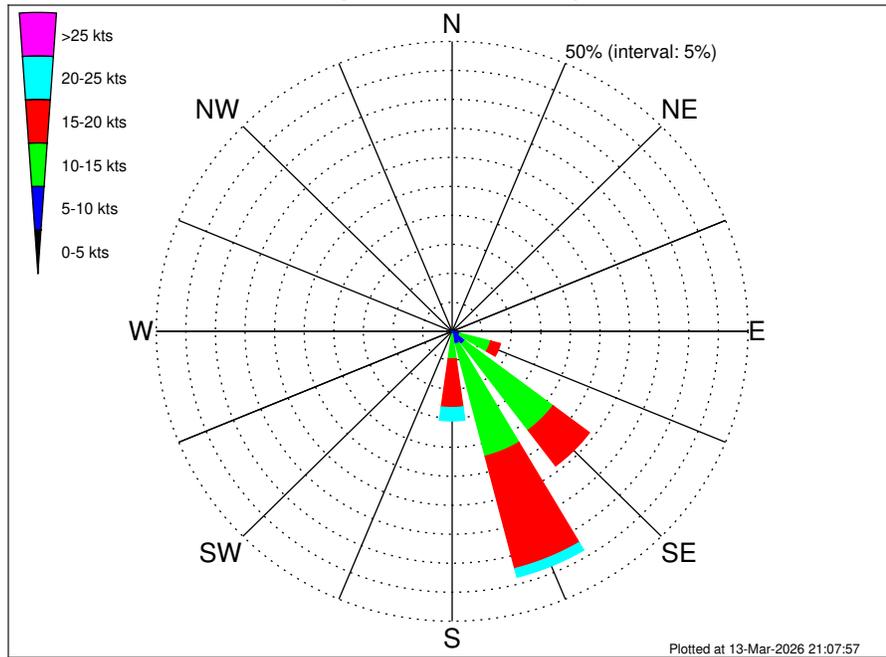
May Wind Speed PDF: 1979 - 2015







Tanzania MBES Climatological Wind Rose for May: 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	•	0.03	0.10	0.03	0.04	0.01	•	0.07	•	•	•	•	0.01	•	•	0.30
5 - 10 kts	•	•	0.07	0.23	0.75	1.30	2.69	2.28	0.47	0.09	0.01	•	•	•	•	•	7.90
10 - 15 kts	•	•	0.04	0.16	0.38	5.39	18.65	19.98	4.24	0.23	•	•	•	•	•	•	49.06
15 - 20 kts	•	•	•	•	0.04	1.70	7.69	20.03	8.39	0.56	•	•	•	•	•	•	38.41
20 - 25 kts	•	•	•	•	•	0.03	0.23	1.51	2.29	0.26	•	•	•	•	•	•	4.32
25 - 30 kts	•	•	•	•	•	•	•	0.01	•	•	•	•	•	•	•	•	0.01
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.01	•	0.13	0.49	1.20	8.45	29.28	43.81	15.45	1.14	0.01	•	•	0.01	•	•	100.00