

## Kenya MBES - March

Latitude: 3.25 S Longitude: 41.81 E

### Weather Days

Wave Height > 5.0 ft Mean: 2.7 days Range: 0.0 - 5.5 days p50:3.5 days p75:2 days p90:0.5 days

Wave Height > 6.5 ft Mean: 0.7 days Range: 0.0 - 2.1 days p50:30 days p75:2.5 days p90:1.5 days

Wave Height > 8.0 ft Mean: 0.1 days Range: 0.0 - 0.5 days p50:30 days p75:30 days p90:30 days

Wind Speed > 15.0 knots Mean: 1.8 days Range: 0.5 - 3.0 days p50:2 days p75:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.1 days Range: 0.0 - 0.2 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 1.8 times per month  
A 2 day or longer window will statistically occur 1.7 times per month  
A 3 day or longer window will statistically occur 1.6 times per month

Wave Height < 6.5 ft  
A 1 day or longer window will statistically occur 1.1 times per month  
A 2 day or longer window will statistically occur 1.0 times per month  
A 3 day or longer window will statistically occur 1.0 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 1.0 times per month  
A 2 day or longer window will statistically occur 1.0 times per month  
A 3 day or longer window will statistically occur 0.9 times per month

### Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 6 - 8 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 18 - 20 sec, but rarely longer.

Principle Direction, from: SE

WindSea/Swell: 5% / 95%

### Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: E

### Currents

Mean Speed: 1.50-1.75 kts

The currents will occasionally reach 2.25-2.50 kts, but rarely greater.

Principle Direction, to: S

### Weather Days

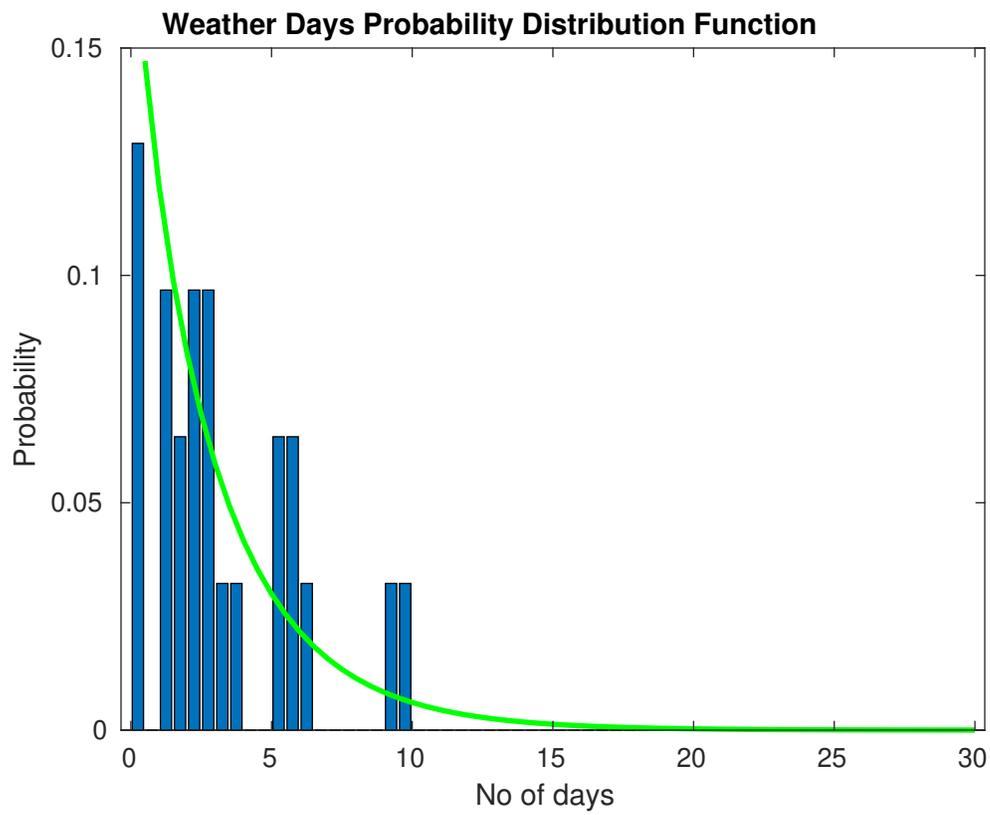
Current Speed > 0.5 knots Mean: 29.2 days Range: 27.2 - 30.0 days p50:31 days p75:31 days p90:28 days

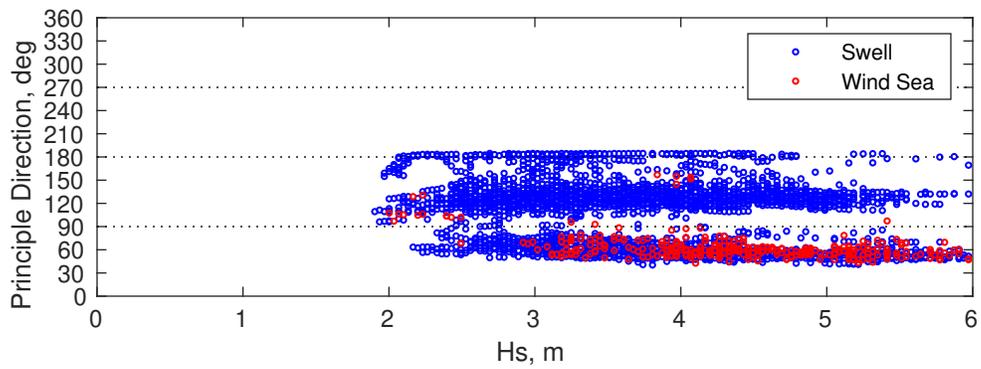
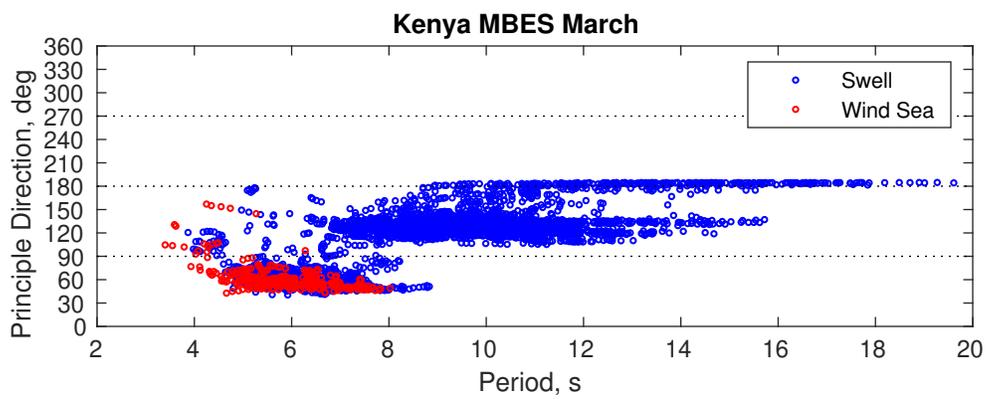
Current Speed > 1.0 knots Mean: 24.8 days Range: 20.5 - 29.1 days p50:26 days p75:22 days p90:19 days

Current Speed > 1.5 knots Mean: 16.3 days Range: 10.6 - 22.0 days p50:16 days p75:14 days p90:11 days

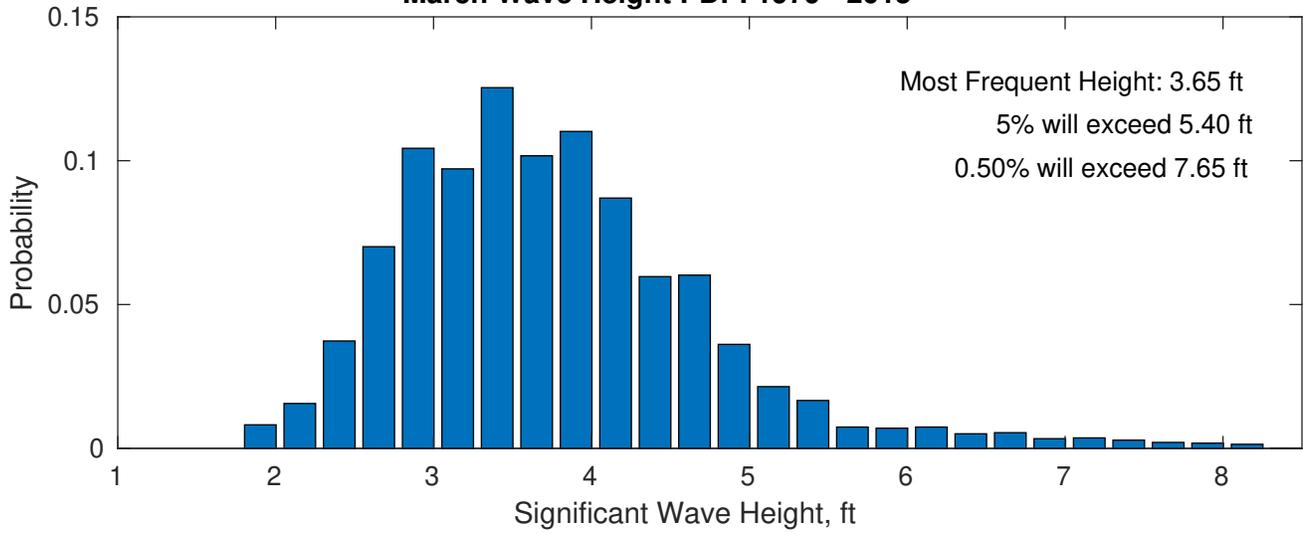
### Severe Storms

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

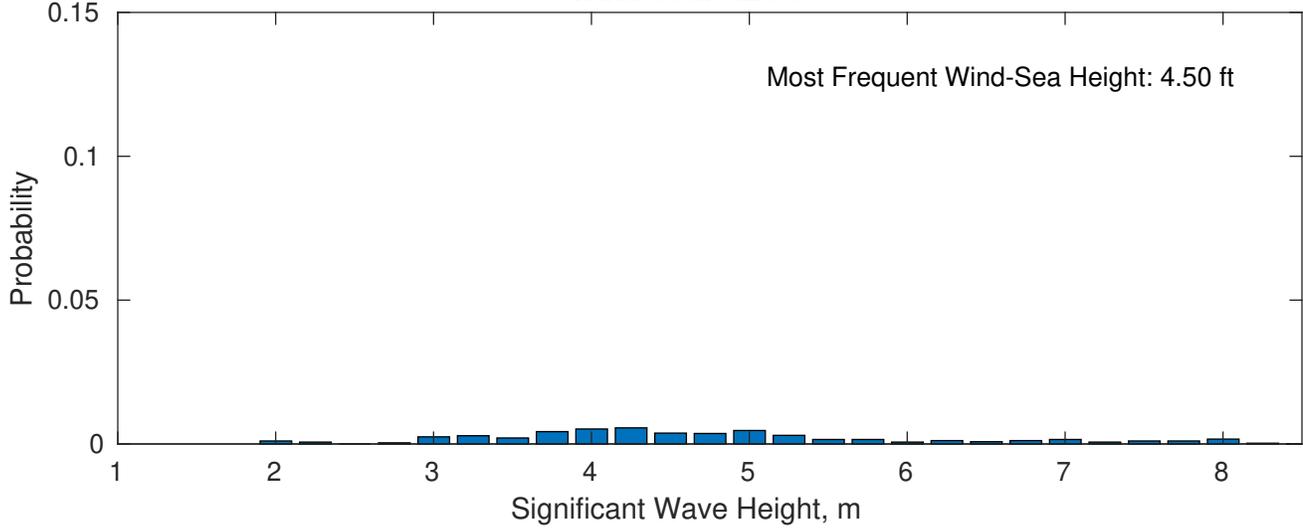




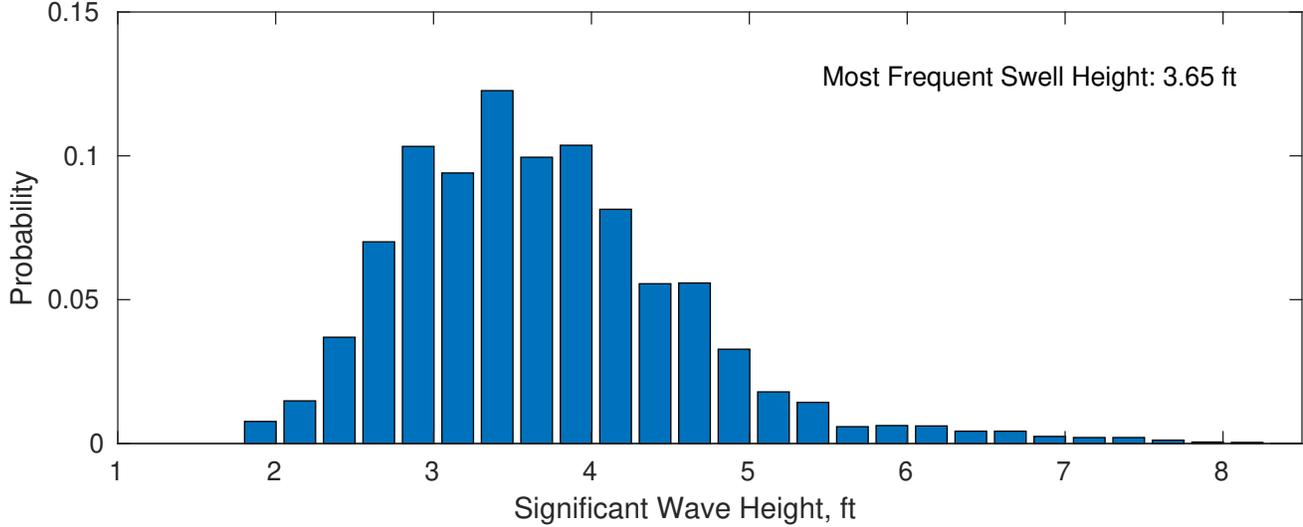
**March Wave Height PDF: 1979 - 2015**



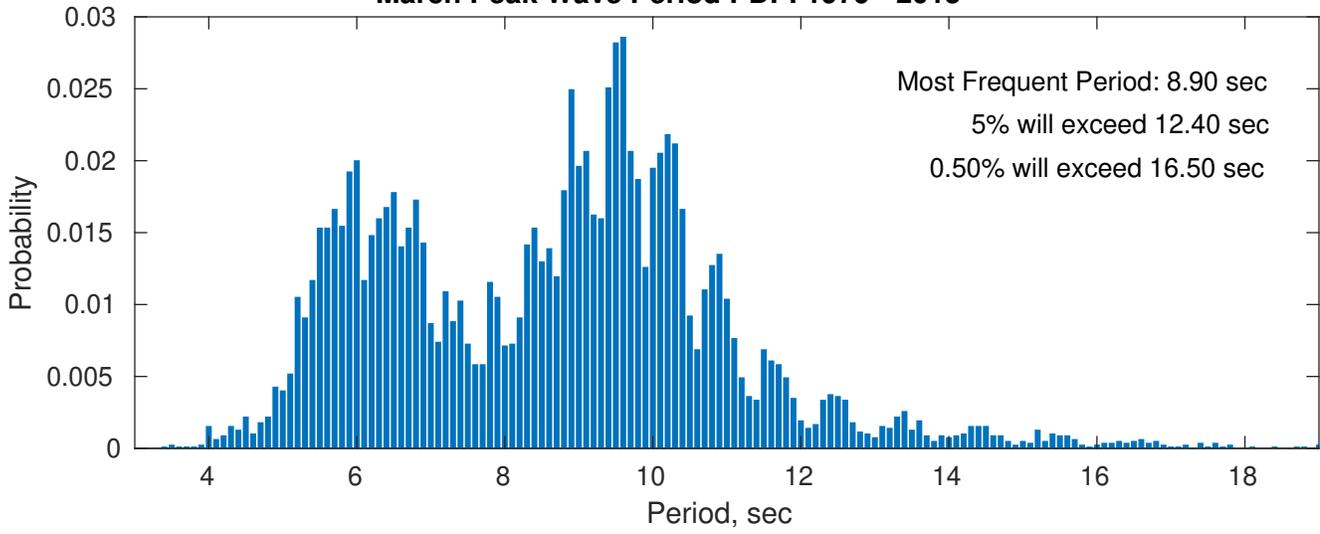
**Wind-Sea: 5.28%**



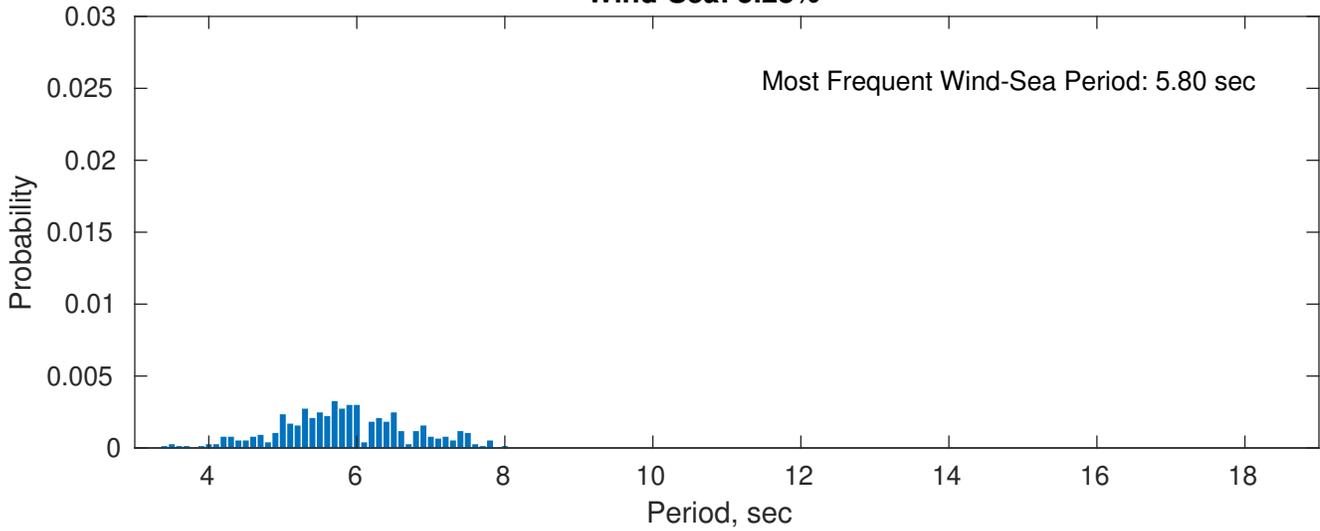
**Swell: 94.72%**



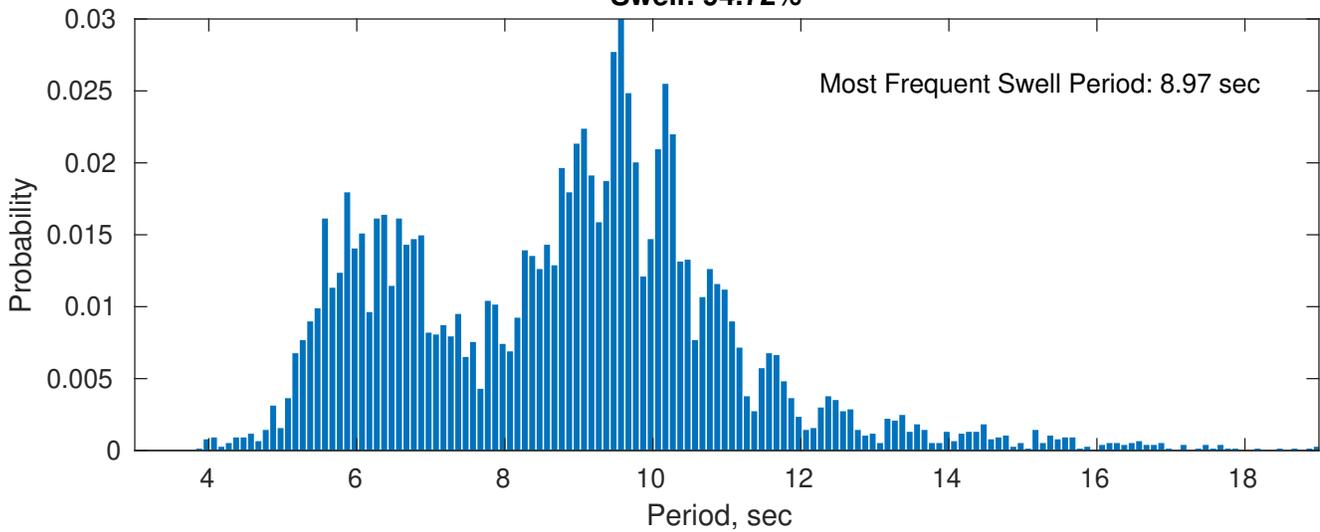
**March Peak Wave Period PDF: 1979 - 2015**



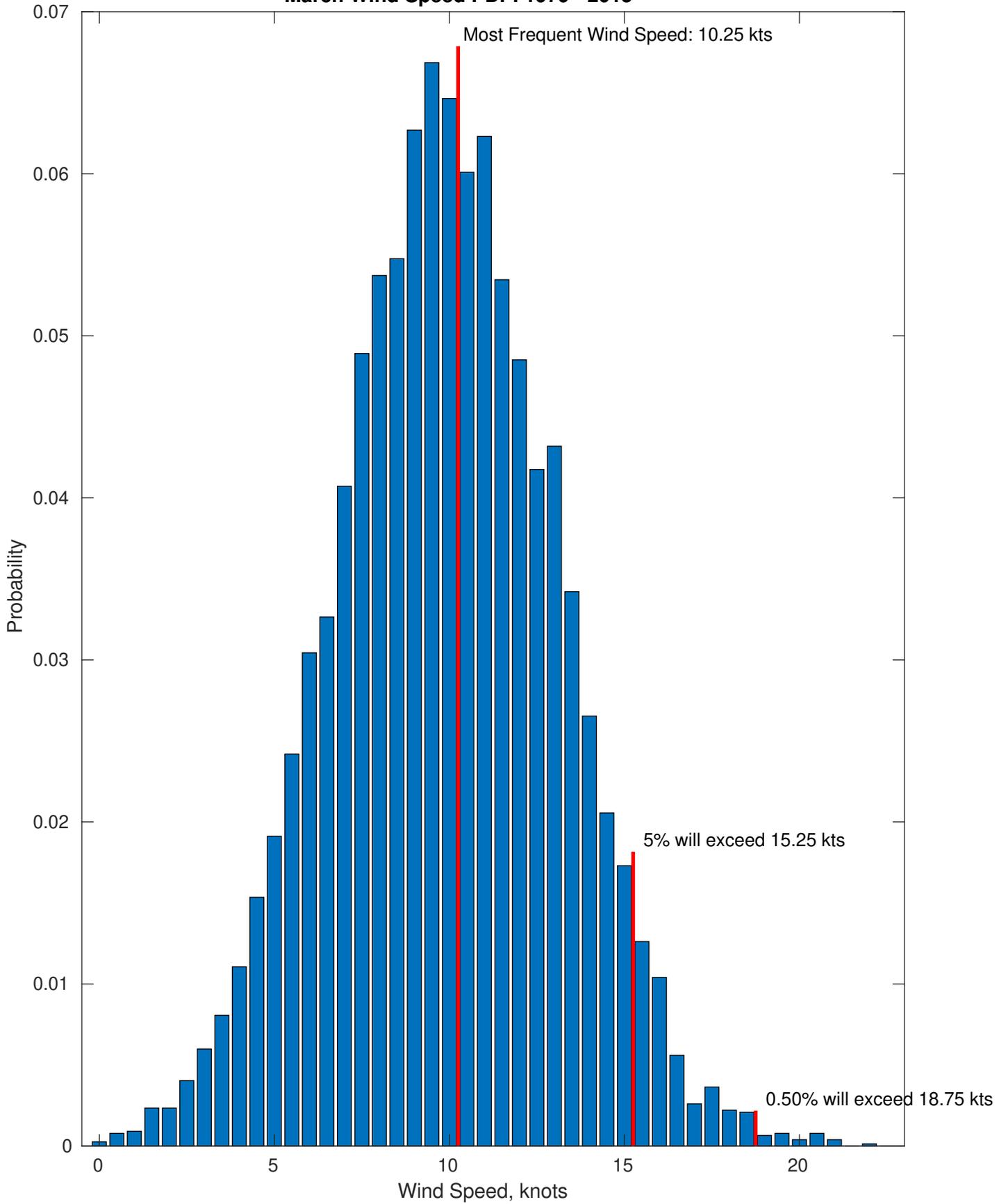
**Wind-Sea: 5.28%**



**Swell: 94.72%**



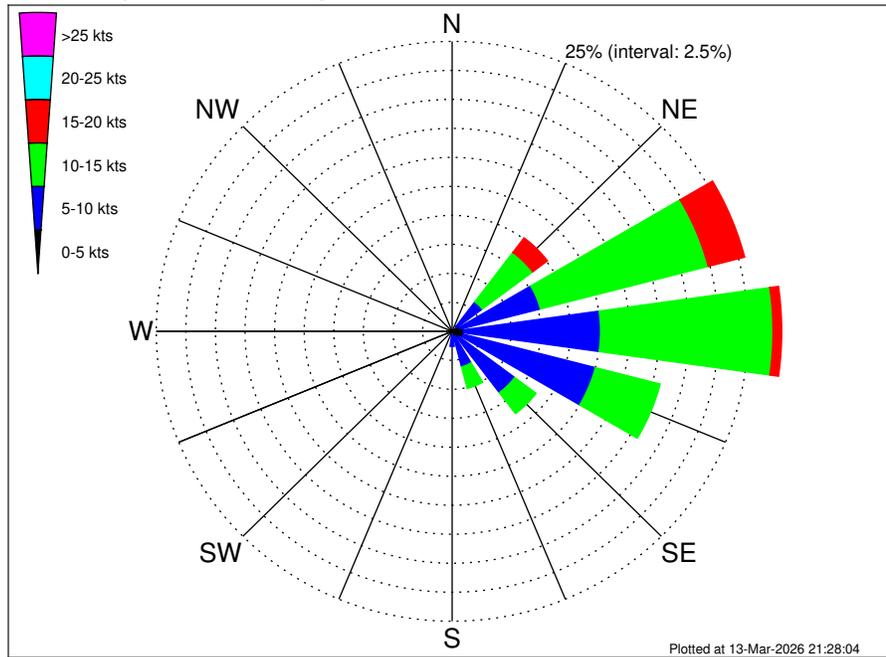
### March Wind Speed PDF: 1979 - 2015







Kenya MBES Climatological Wind Rose for March: 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	•	0.01	0.01	0.01	•	•	•	0.01	•	0.01	•	•	0.01	0.10
0 - 5 kts	0.09	0.14	0.49	0.70	0.98	0.94	0.66	0.51	0.29	0.09	0.05	0.01	0.01	0.01	•	0.03	5.01
5 - 10 kts	0.08	0.57	2.68	7.00	11.55	11.55	5.94	2.65	1.01	0.26	0.09	•	•	•	•	0.01	43.41
10 - 15 kts	0.01	0.62	5.33	14.65	14.57	5.66	2.26	1.93	0.39	0.05	0.04	0.01	•	•	•	•	45.53
15 - 20 kts	•	0.18	1.57	3.19	0.74	0.08	•	0.01	•	•	0.01	•	•	•	•	•	5.79
20 - 25 kts	•	•	0.03	0.14	•	•	•	•	•	•	•	•	•	•	•	•	0.17
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.20	1.52	10.12	25.68	27.85	18.24	8.88	5.10	1.69	0.40	0.21	0.03	0.03	0.01	•	0.05	100.00