

Kenya MBES - September

Latitude: 3.25 S Longitude: 41.81 E

Weather Days

Wave Height > 5.0 ft Mean: 27.9 days Range: 25.0 - 30.0 days p50:29.5 days p75:26.5 days p90:25.5 days

Wave Height > 6.5 ft Mean: 15.4 days Range: 8.4 - 22.5 days p50:13.5 days p75:10 days p90:7 days

Wave Height > 8.0 ft Mean: 5.0 days Range: 0.6 - 9.4 days p50:5 days p75:2.5 days p90:1.5 days

Wind Speed > 15.0 knots Mean: 10.7 days Range: 6.5 - 15.0 days p50:10 days p75:8 days p90:6 days

Wind Speed > 20.0 knots Mean: 0.2 days Range: 0.0 - 0.6 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 0.5 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 2.5 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 1.4 times per month

Wave Height < 8.0 ft
A 1 day or longer window will statistically occur 2.2 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 1.9 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: 1% / 99%

Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: SSE

Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 1.75-2.00 kts, but rarely greater.

Principle Direction, to: NNE

Weather Days

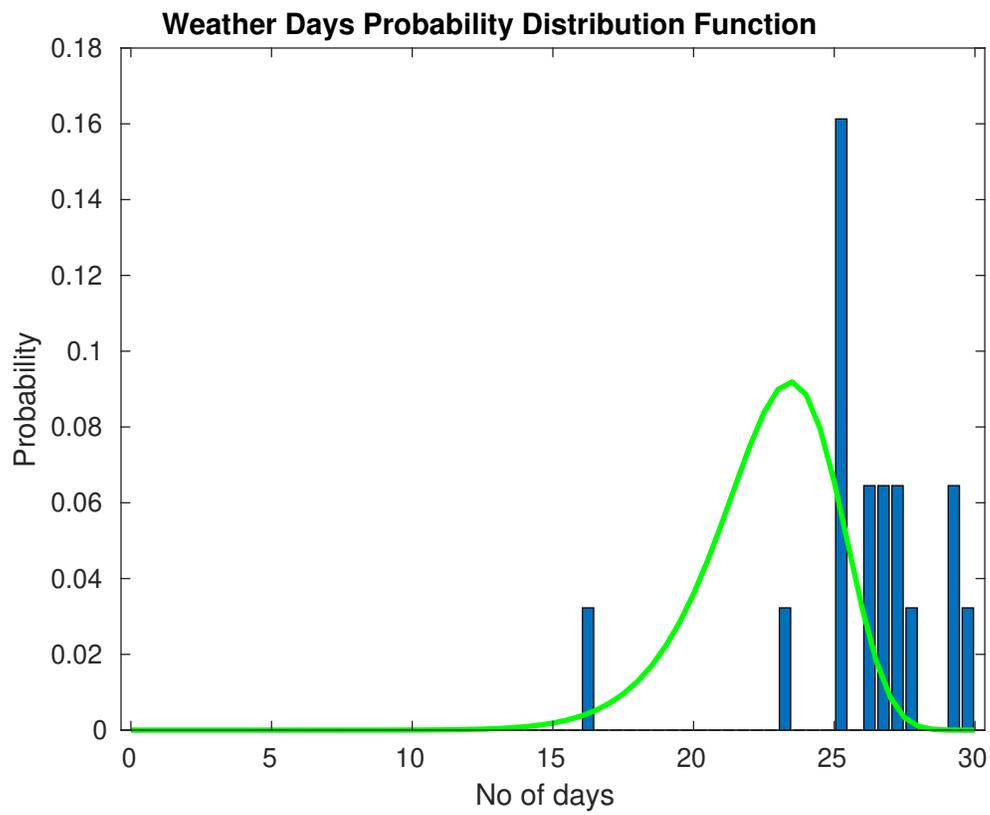
Current Speed > 0.5 knots Mean: 17.2 days Range: 11.6 - 22.8 days p50:18 days p75:12 days p90:10 days

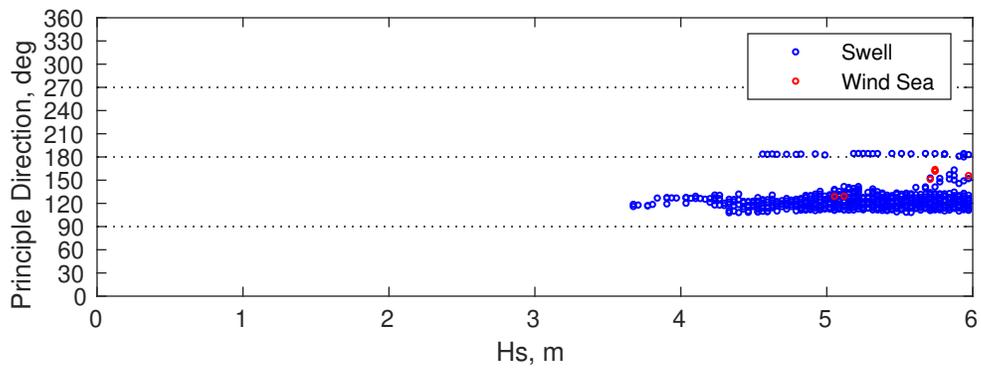
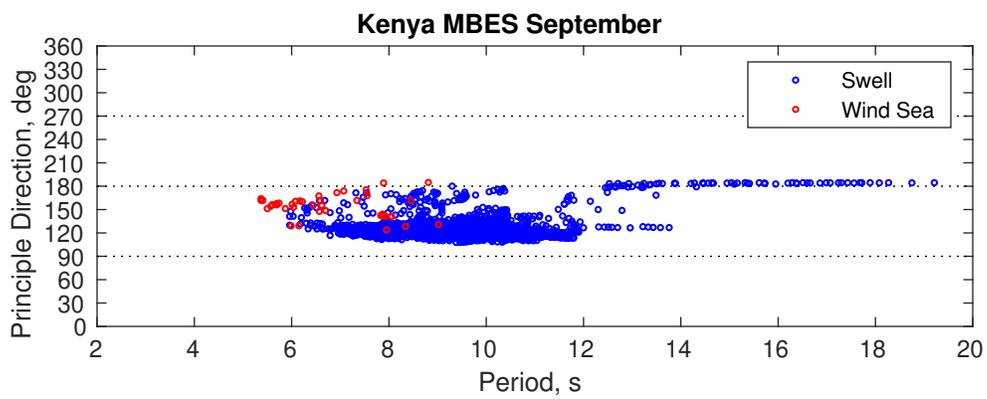
Current Speed > 1.0 knots Mean: 3.3 days Range: 0.0 - 9.4 days p50:2 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.8 days Range: 0.0 - 2.7 days p50:1 days p75:1 days p90:1 days

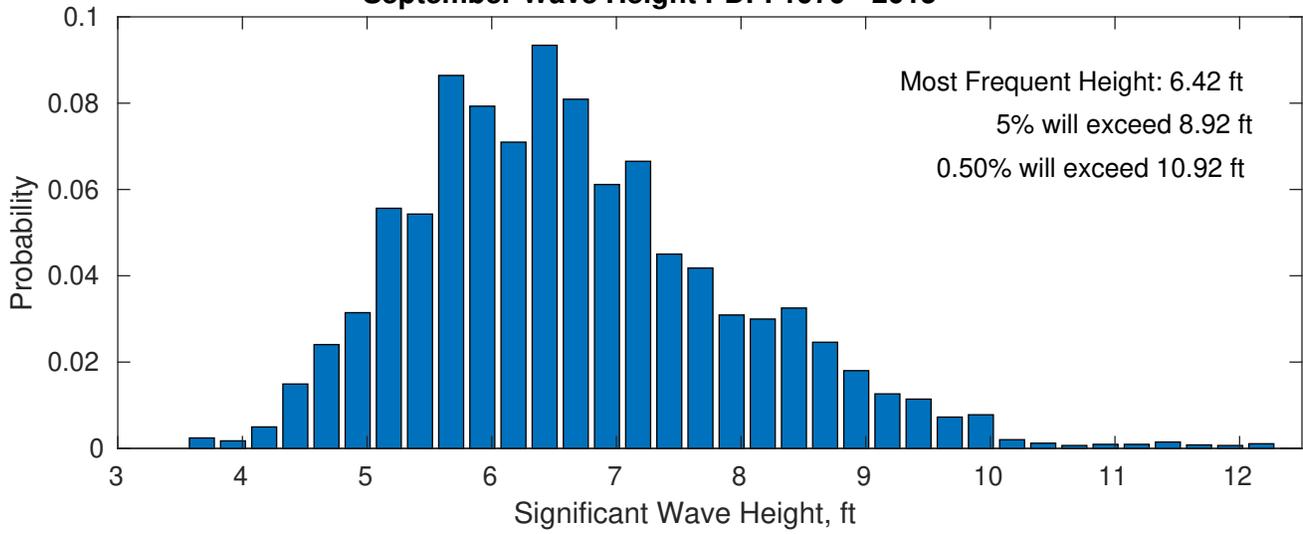
Severe Storms

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

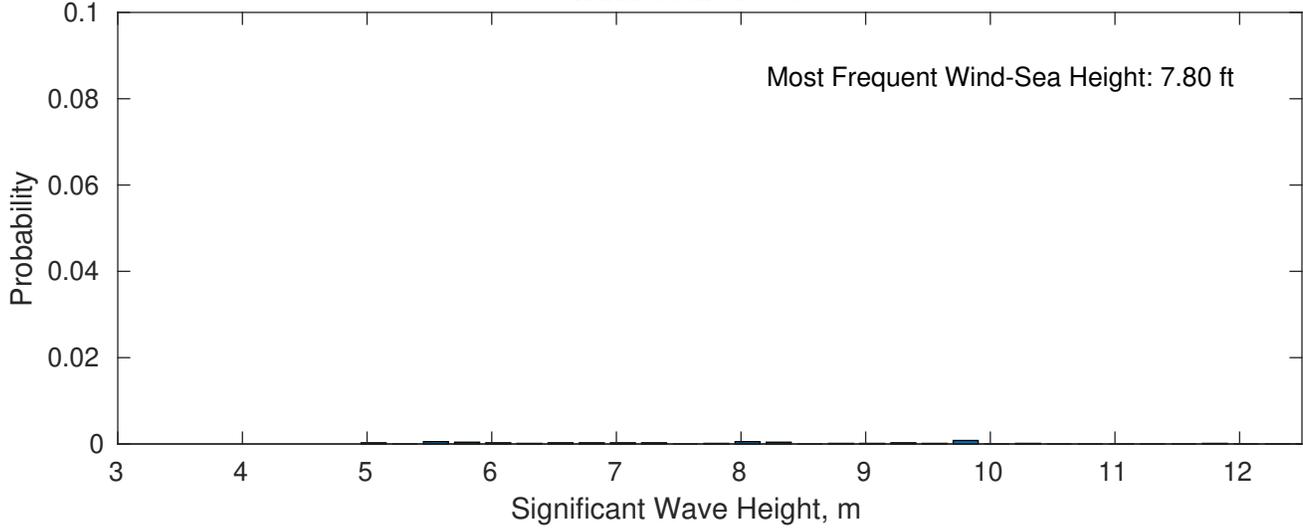




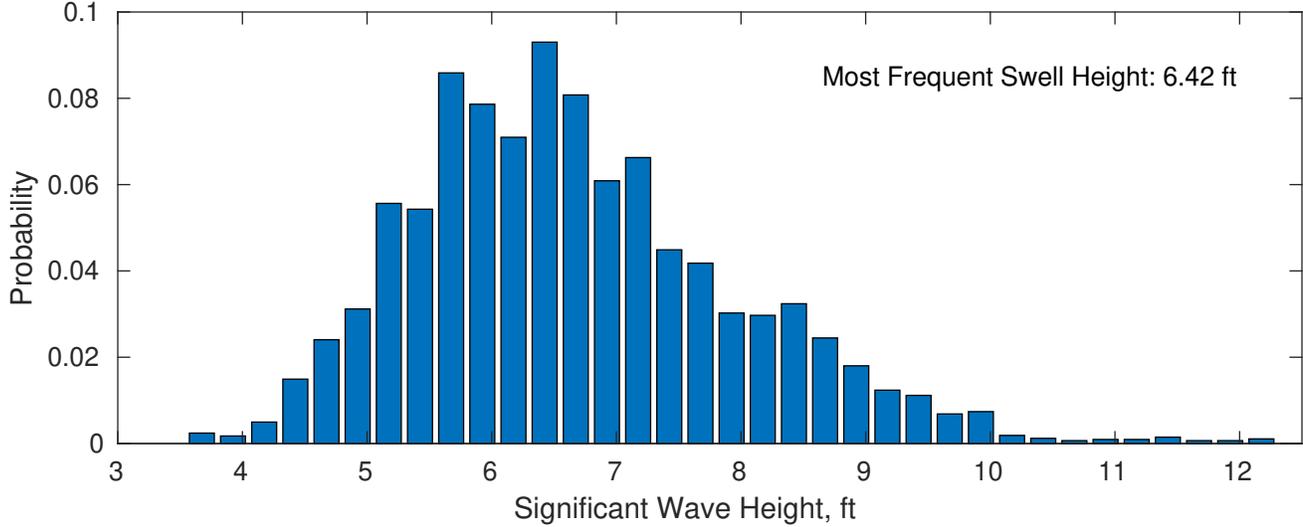
September Wave Height PDF: 1979 - 2015



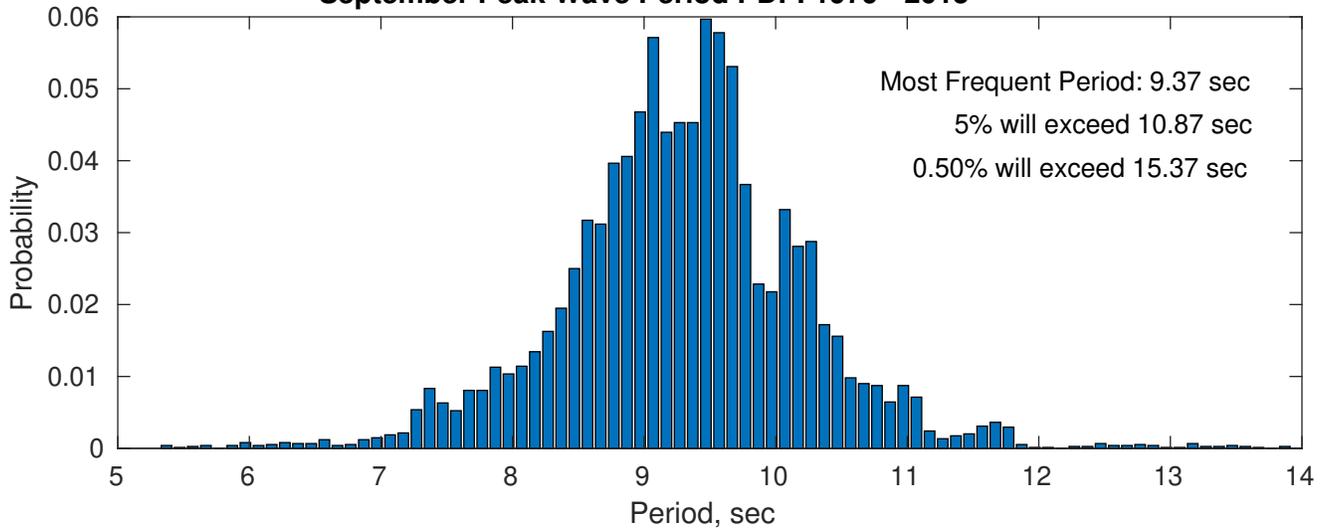
Wind-Sea: 0.55%



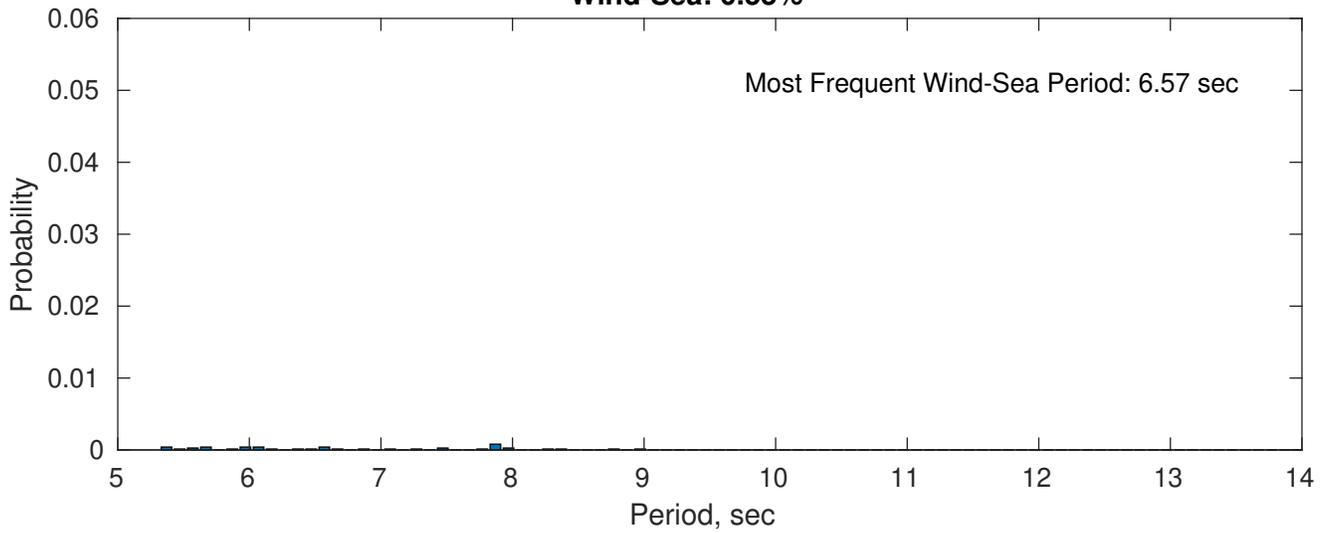
Swell: 99.45%



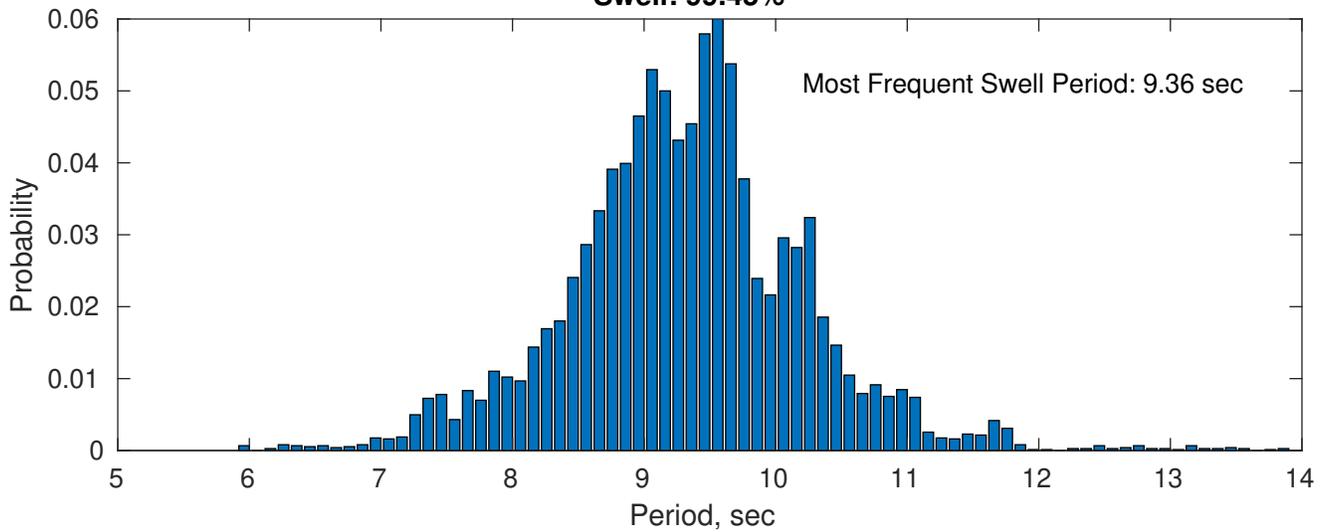
September Peak Wave Period PDF: 1979 - 2015



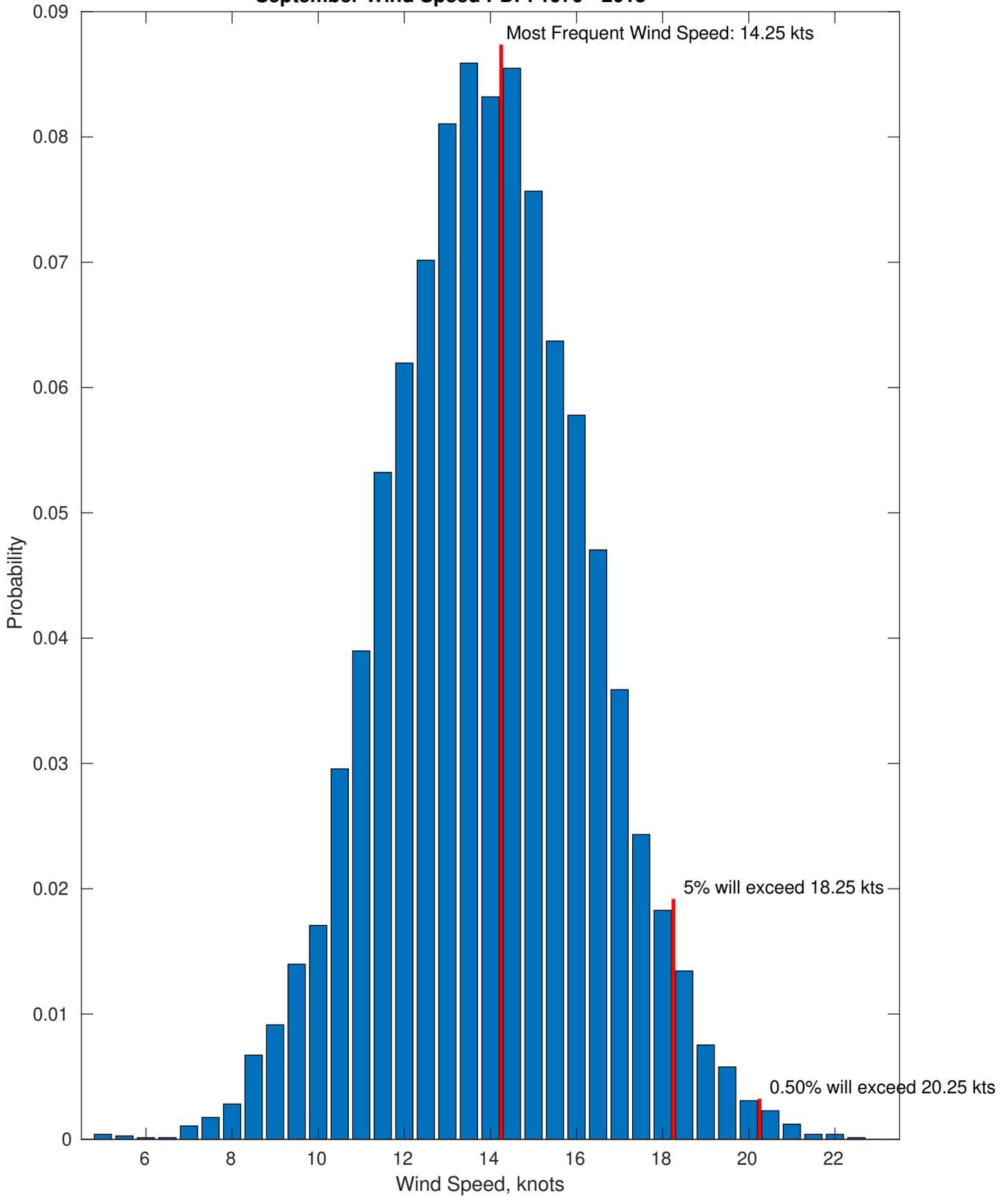
Wind-Sea: 0.55%



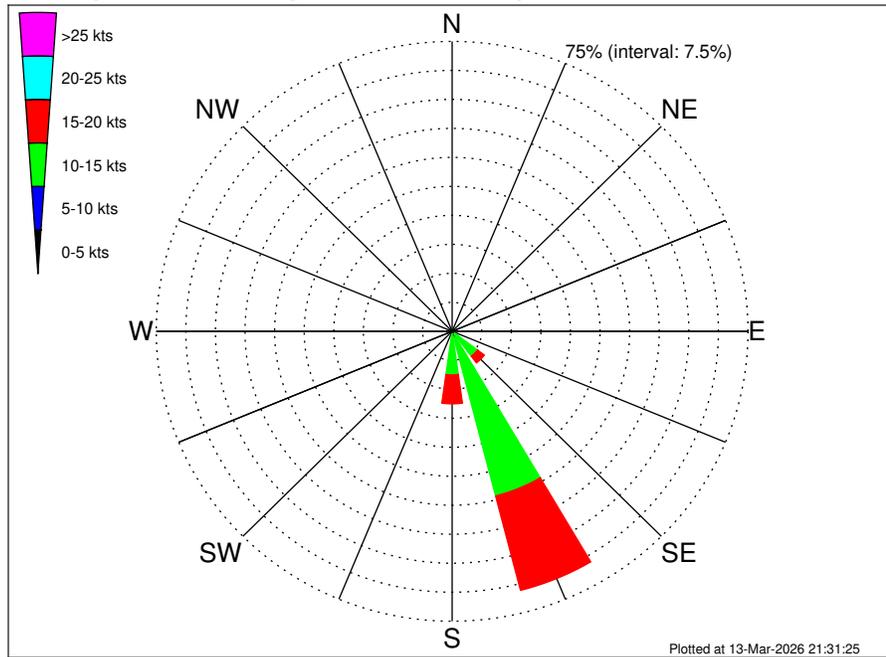
Swell: 99.45%



September Wind Speed PDF: 1979 - 2015



Kenya 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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5 - 10 kts	•	•	•	•	•	0.19	0.85	1.73	0.79	0.07	0.01	•	•	•	•	•	3.64
10 - 15 kts	•	•	•	•	0.01	0.44	7.22	42.26	10.50	0.20	0.03	•	•	•	•	•	60.66
15 - 20 kts	•	•	•	•	•	0.09	2.15	25.23	7.47	•	•	•	•	•	•	•	34.95
20 - 25 kts	•	•	•	•	•	•	0.03	0.43	0.28	0.01	•	•	•	•	•	•	0.75
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	0.01	0.73	10.24	69.65	19.05	0.28	0.04	•	•	•	•	•	100.00