

Kenya MBES - May

Latitude: 3.25 S Longitude: 41.81 E

Weather Days

Wave Height > 5.0 ft Mean: 21.9 days Range: 16.4 - 27.4 days p50:21.5 days p75:18.5 days p90:16 days

Wave Height > 6.5 ft Mean: 10.5 days Range: 6.3 - 14.8 days p50:10.5 days p75:8.5 days p90:4.5 days

Wave Height > 8.0 ft Mean: 2.7 days Range: 0.1 - 5.3 days p50:2.5 days p75:1 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 9.7 days Range: 5.0 - 14.3 days p50:9 days p75:6.5 days p90:5.5 days

Wind Speed > 20.0 knots Mean: 0.6 days Range: 0.0 - 1.6 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 - 0.1 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 1.5 times per month
A 2 day or longer window will statistically occur 0.9 times per month
A 3 day or longer window will statistically occur 0.8 times per month

Wave Height < 6.5 ft
A 1 day or longer window will statistically occur 2.7 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 1.7 times per month

Wave Height < 8.0 ft
A 1 day or longer window will statistically occur 2.0 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

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: SE

WindSea/Swell: 9% / 91%

Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: S

Currents

Mean Speed: 1.00-1.25 kts

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

Principle Direction, to: NNE

Weather Days

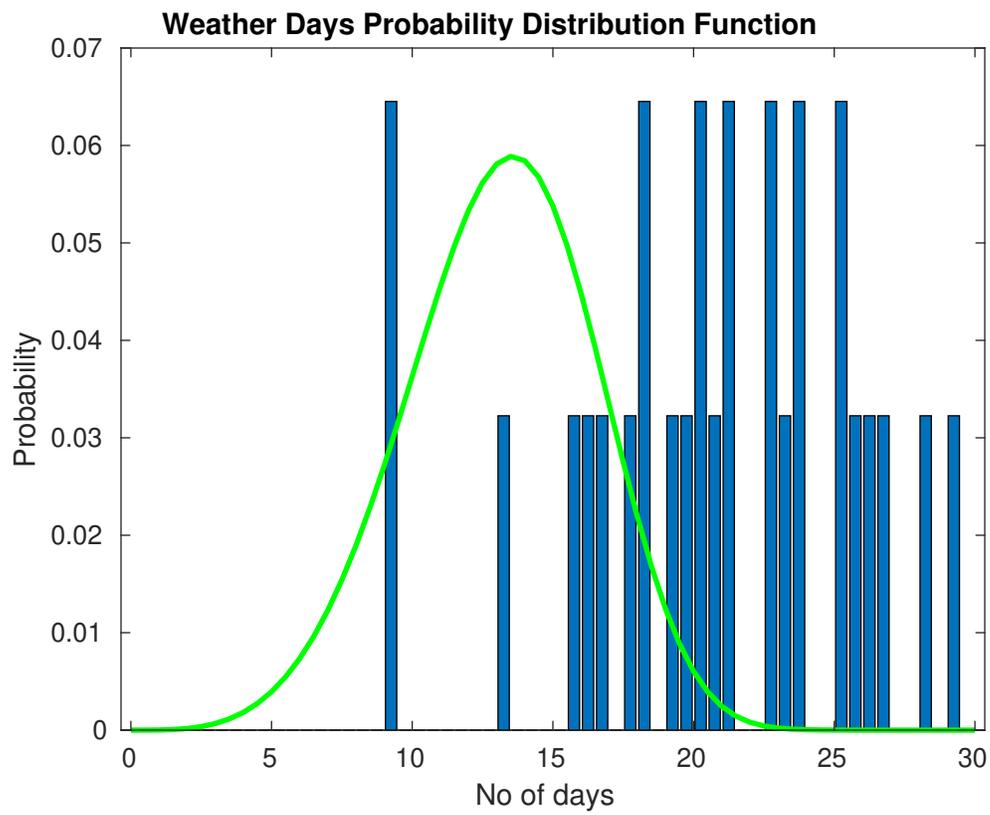
Current Speed > 0.5 knots Mean: 28.7 days Range: 26.3 - 30.0 days p50:31 days p75:29 days p90:24 days

Current Speed > 1.0 knots Mean: 23.4 days Range: 18.4 - 28.4 days p50:24 days p75:20 days p90:15 days

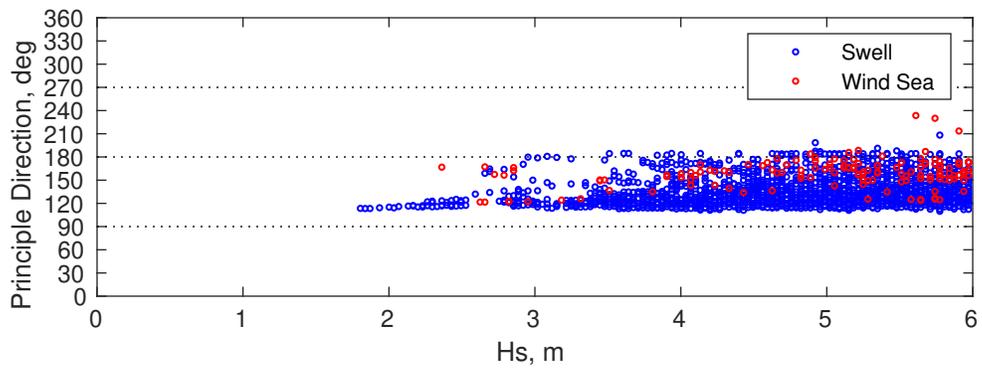
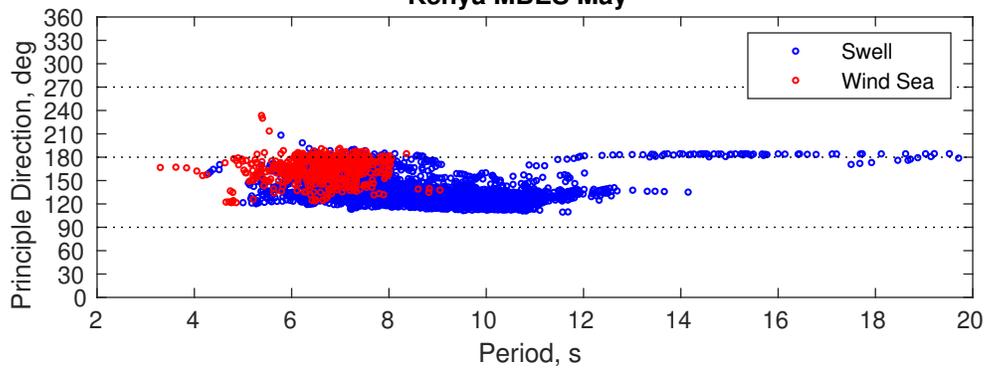
Current Speed > 1.5 knots Mean: 13.3 days Range: 6.5 - 20.0 days p50:15 days p75:9 days p90:6 days

Severe Storms

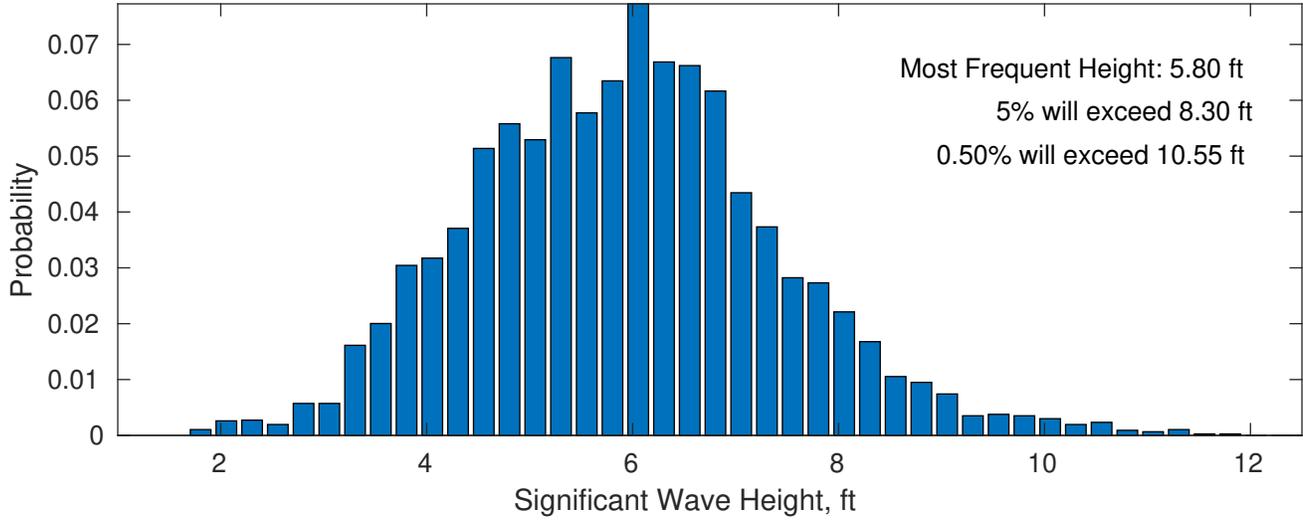
Severe storms with gale force winds and extreme waves are not expected during this month.



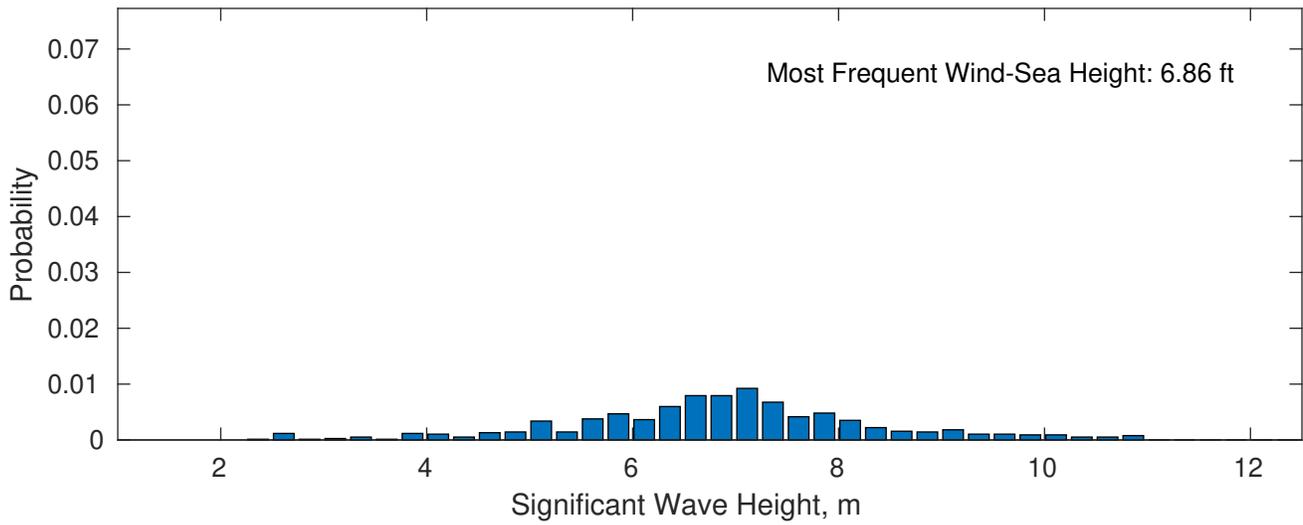
Kenya MBES May



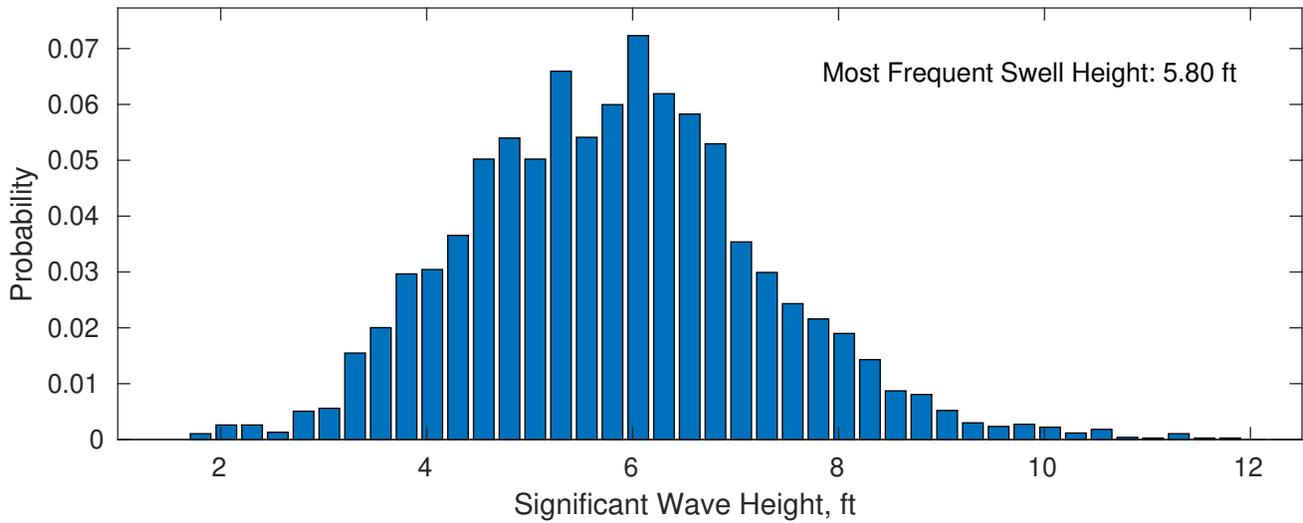
May Wave Height PDF: 1979 - 2015



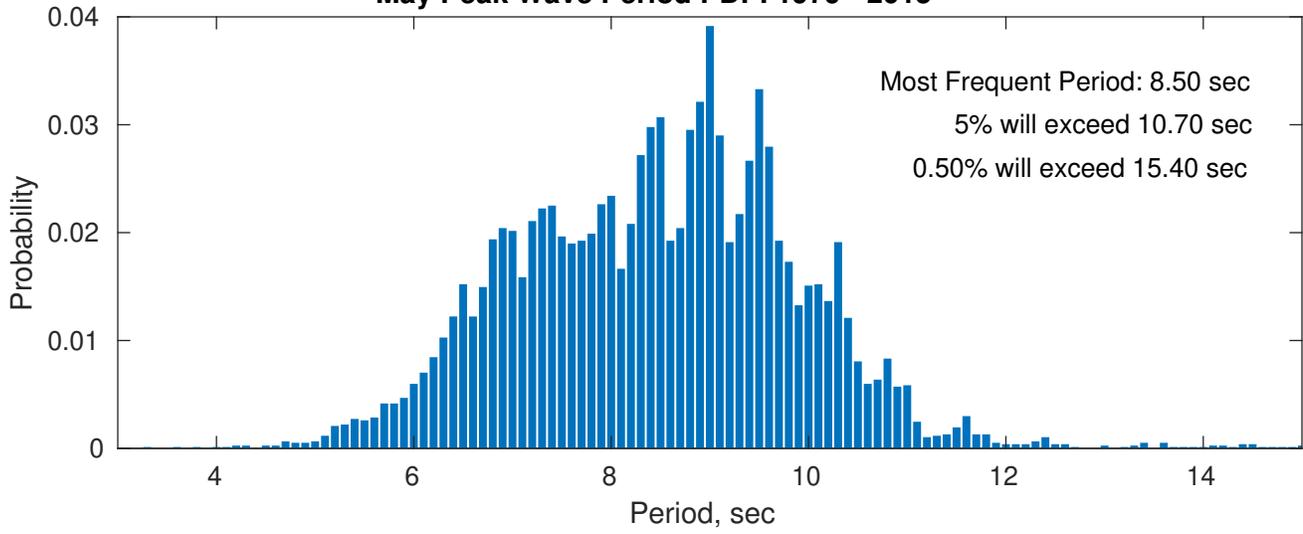
Wind-Sea: 8.78%



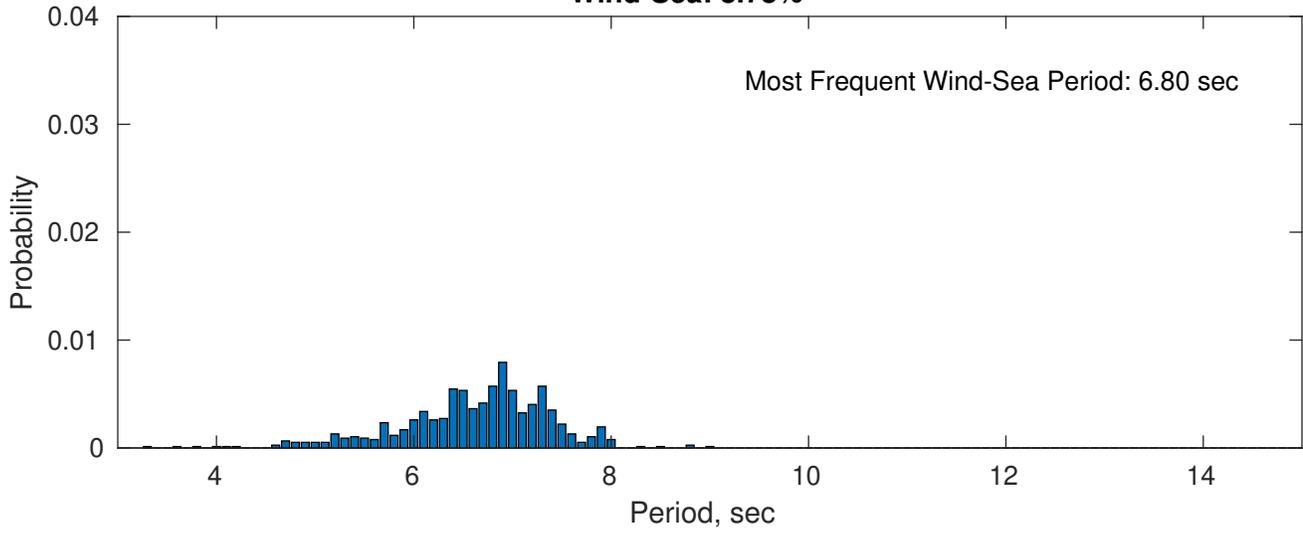
Swell: 91.22%



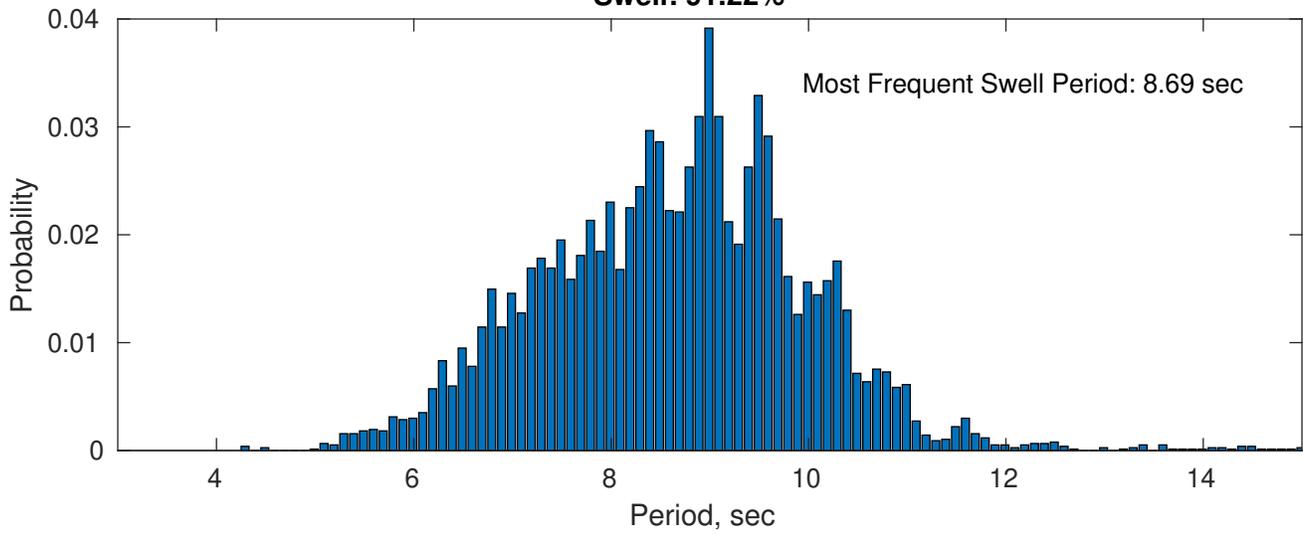
May Peak Wave Period PDF: 1979 - 2015



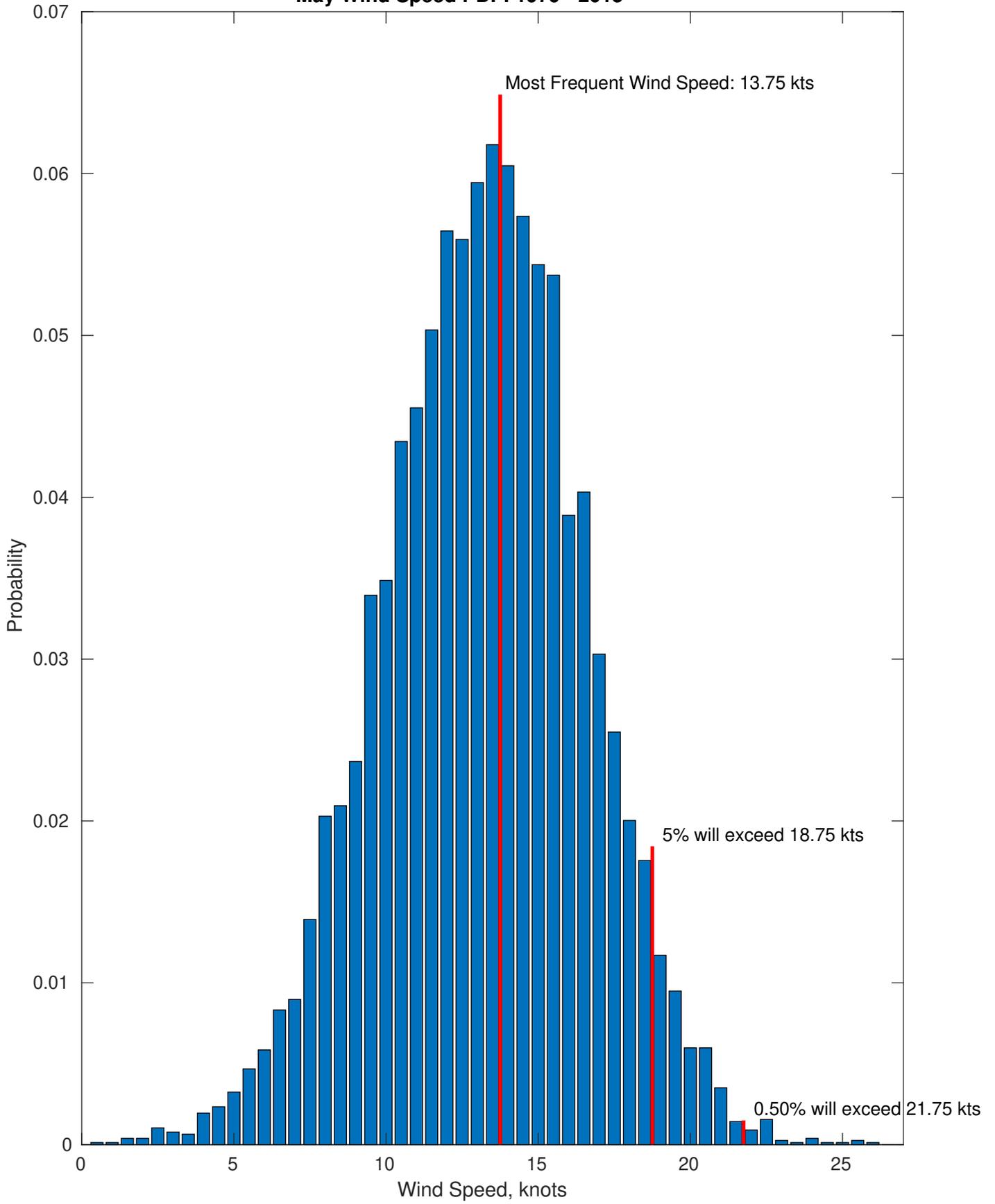
Wind-Sea: 8.78%



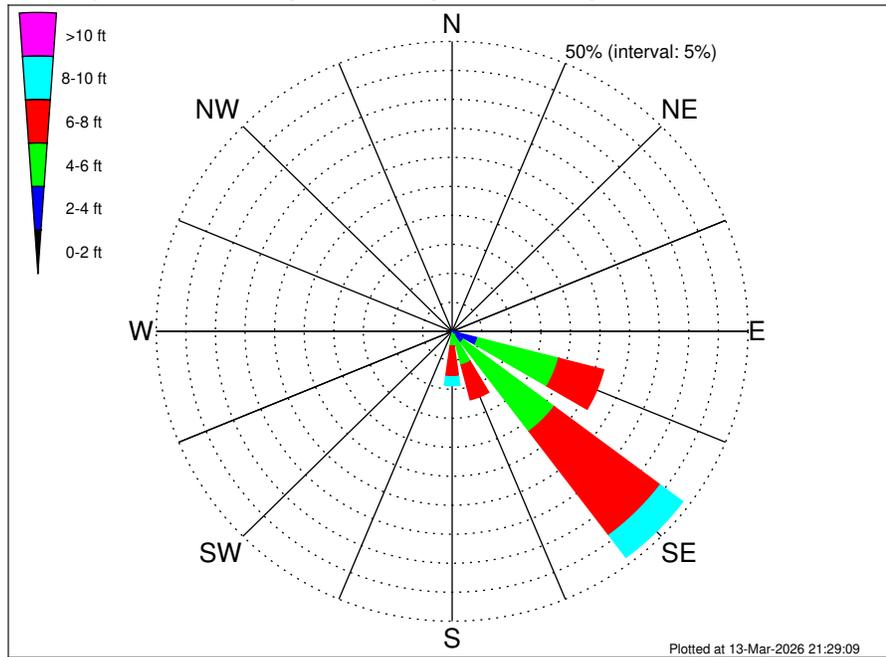
Swell: 91.22%



May Wind Speed PDF: 1979 - 2015



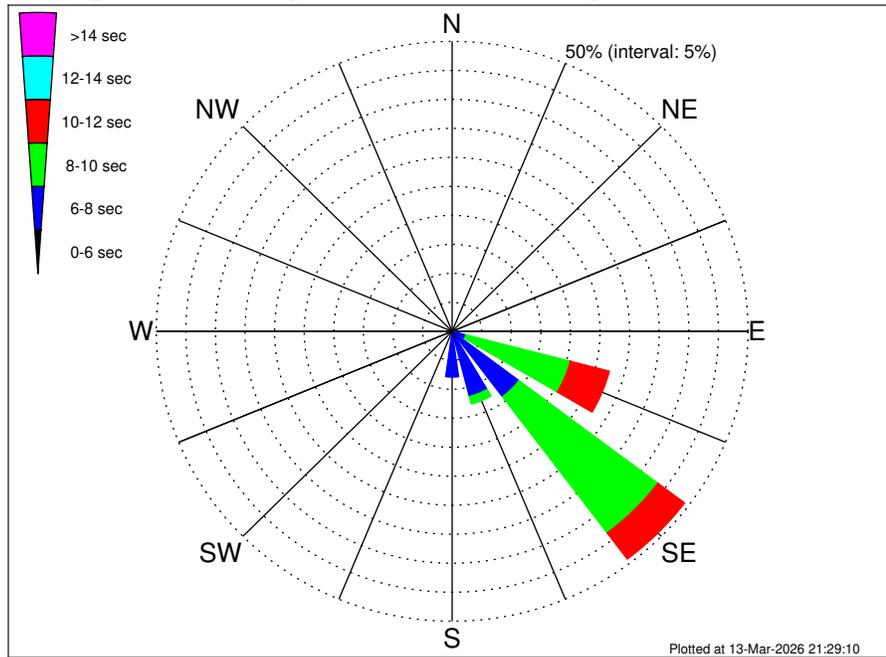
Kenya MBES Climatological WaveHeight Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm
1 - 2 ft	0.08	.	.	.	.	.	.	.	.	.	.	0.08
2 - 4 ft	4.41	2.38	0.62	0.35	.	.	.	.	.	.	.	7.77
4 - 6 ft	14.10	19.21	5.39	2.17	0.04	0.03	.	.	.	.	.	40.93
6 - 8 ft	7.88	22.45	6.19	5.32	.	.	.	.	.	.	.	41.84
8 - 10 ft	0.96	4.76	1.01	1.53	0.01	.	.	.	.	.	.	8.29
10 - 12 ft	0.01	0.75	0.05	0.27	.	.	.	.	.	.	.	1.09
12 - 14 ft
14 - 16 ft
16 - 18 ft
> 18 ft
Total	27.45	49.56	13.27	9.65	0.05	0.03	.	.	.	.	.	100.00

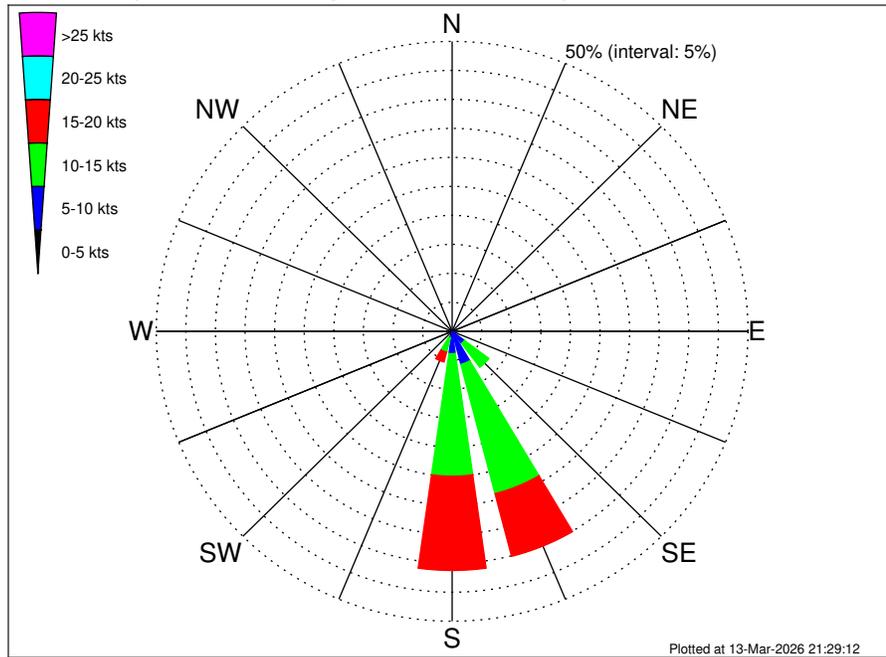
Kenya MBES Climatological WavePeriod Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1 - 2 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 sec	•	•	•	•	•	•	•	0.04	•	•	•	•	•	•	•	•	0.04
4 - 6 sec	•	•	•	•	•	0.21	0.91	1.40	0.47	0.03	0.03	•	•	•	•	•	3.04
6 - 8 sec	•	•	•	•	•	2.21	13.23	10.17	7.43	0.03	•	•	•	•	•	•	33.06
8 - 10 sec	•	•	•	•	•	18.21	29.41	1.33	0.57	•	•	•	•	•	•	•	49.52
10 - 12 sec	•	•	•	•	•	6.82	5.63	0.31	0.10	•	•	•	•	•	•	•	12.86
12 - 14 sec	•	•	•	•	•	•	0.36	0.01	0.21	•	•	•	•	•	•	•	0.59
14 - 16 sec	•	•	•	•	•	•	0.01	•	0.48	•	•	•	•	•	•	•	0.49
18 - 20 sec	•	•	•	•	•	•	•	•	0.17	•	•	•	•	•	•	•	0.17
22 - 24 sec	•	•	•	•	•	•	•	•	0.22	•	•	•	•	•	•	•	0.22
Total	•	•	•	•	•	27.45	49.56	13.27	9.65	0.05	0.03	•	•	•	•	•	100.00

Kenya 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	•	•	•	•	•	0.01	•	•	•	•	•	•	•	•	•	•	0.01
0 - 5 kts	•	•	•	•	0.04	0.12	0.18	0.13	0.08	0.08	0.05	0.03	0.07	•	•	•	0.77
5 - 10 kts	0.01	•	0.01	0.04	0.13	0.78	2.45	5.76	3.79	1.09	0.25	0.07	0.01	•	•	•	14.39
10 - 15 kts	•	•	•	•	0.03	0.31	5.14	23.02	21.12	2.55	0.29	0.08	0.01	0.01	•	•	52.56
15 - 20 kts	•	•	•	•	0.03	0.03	0.85	11.17	16.26	1.74	0.05	0.01	0.05	•	•	•	30.19
20 - 25 kts	•	•	•	•	•	•	•	0.47	1.21	0.33	0.03	•	•	•	•	•	2.03
25 - 30 kts	•	•	•	•	•	•	•	0.01	0.01	0.01	0.01	•	•	•	•	•	0.05
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.01	•	0.01	0.04	0.22	1.25	8.61	40.57	42.47	5.80	0.68	0.18	0.14	0.01	•	•	100.00