

Tanzania MBES - April

Latitude: 8.22 S Longitude: 41.08 E

Weather Days

Wave Height > 5.0 ft Mean: 6.3 days Range: 1.8 - 10.7 days p50:6.5 days p75:3.5 days p90:1 days
Wave Height > 6.5 ft Mean: 1.7 days Range: 0.0 - 3.8 days p50:2.5 days p75:1.5 days p90:0.5 days
Wave Height > 8.0 ft Mean: 0.6 days Range: 0.0 - 1.6 days p50:30 days p75:1.5 days p90:0.5 days
Wind Speed > 15.0 knots Mean: 3.8 days Range: 1.1 - 6.5 days p50:3.5 days p75:2 days p90:1 days
Wind Speed > 20.0 knots Mean: 0.3 days Range: 0.0 - 0.9 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 - 0.2 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 2.5 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 1.8 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 1.6 times per month A 2 day or longer window will statistically occur 1.5 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 1.3 times per month A 2 day or longer window will statistically occur 1.2 times per month A 3 day or longer window will statistically occur 1.2 times per month

Waves

Mean Height: 2 - 4 ft
The wave heights will occasionally reach 8 - 10 ft, but rarely higher.
Mean Period: 8 - 10 sec
The wave periods will occasionally reach 14 - 16 sec, but rarely longer.
Principle Direction, from: ESE
WindSea/Swell: 14% / 86%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 20 - 25 kts, but rarely greater.
Principle Direction, from: SE

Currents

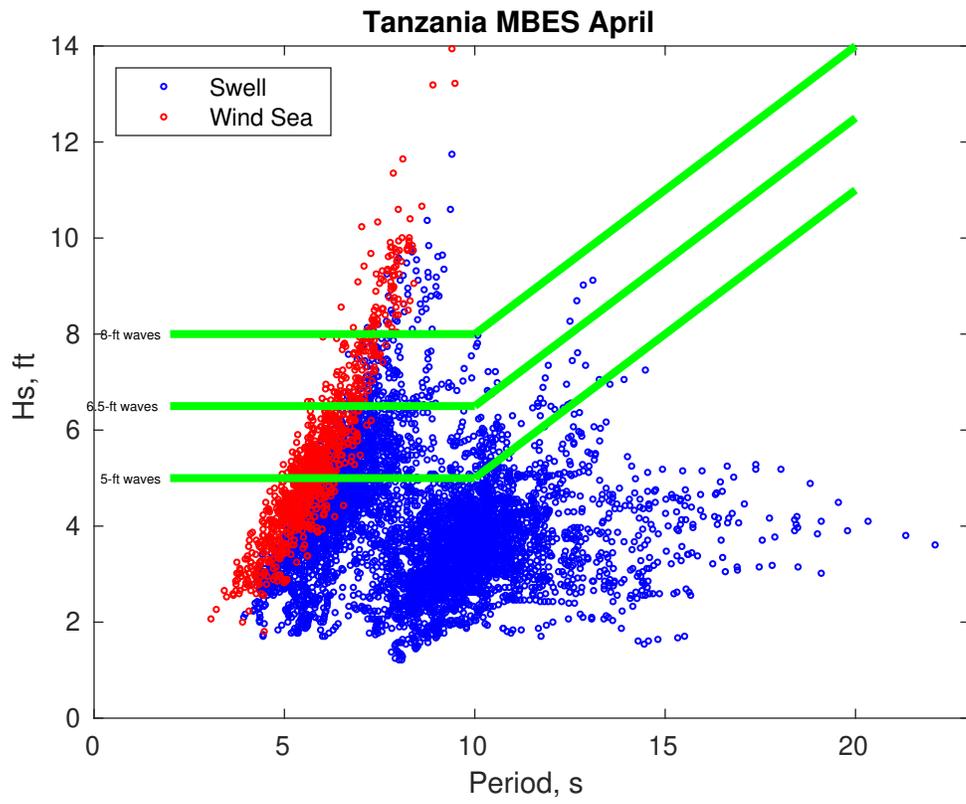
Mean Speed: 0.50-0.75 kts
The currents will occasionally reach 1.75-2.00 kts, but rarely greater.
Principle Direction, to: NW

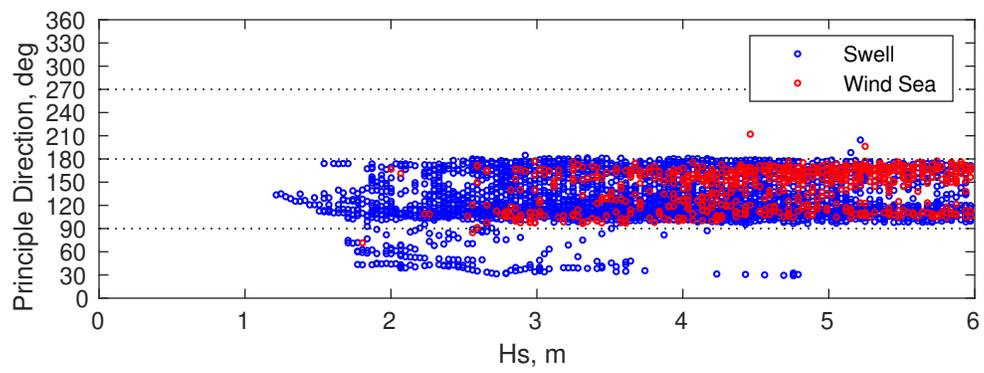
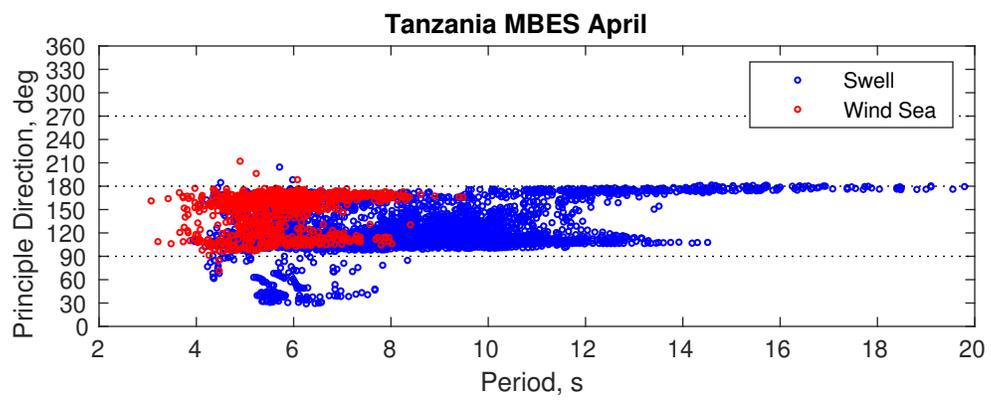
Weather Days

Current Speed > 0.5 knots Mean: 24.5 days Range: 20.5 - 28.4 days p50:26 days p75:23 days p90:19 days
Current Speed > 1.0 knots Mean: 6.0 days Range: 0.0 - 12.5 days p50:5 days p75:2 days p90:1 days
Current Speed > 1.5 knots Mean: 1.0 days Range: 0.0 - 4.3 days p50:1 days p75:1 days p90:1 days

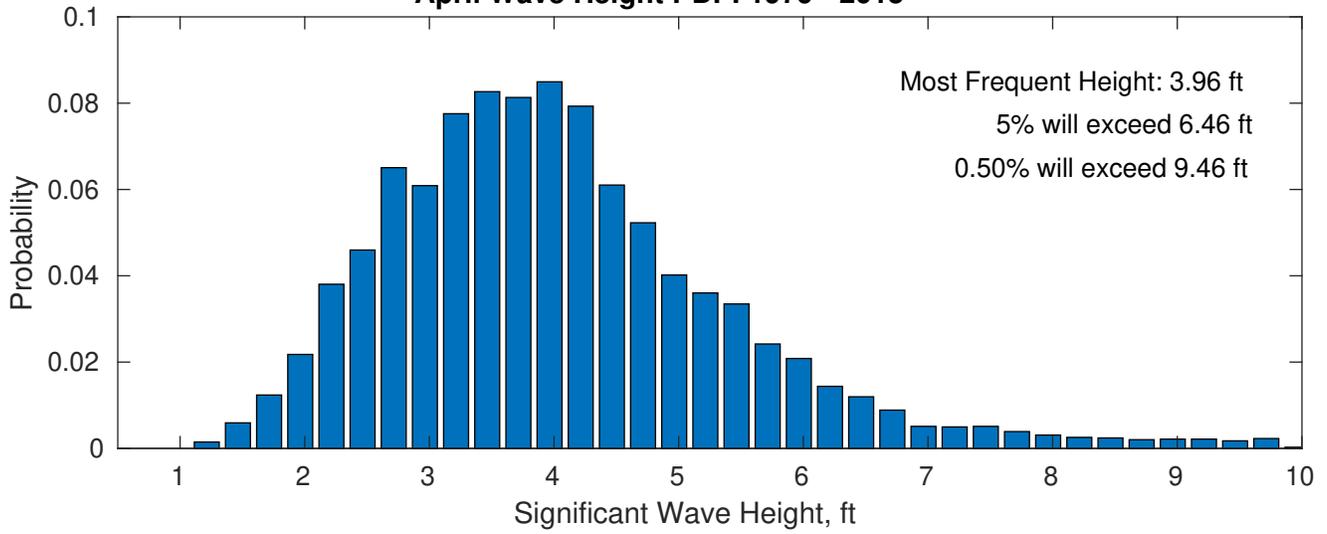
Severe Storms

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

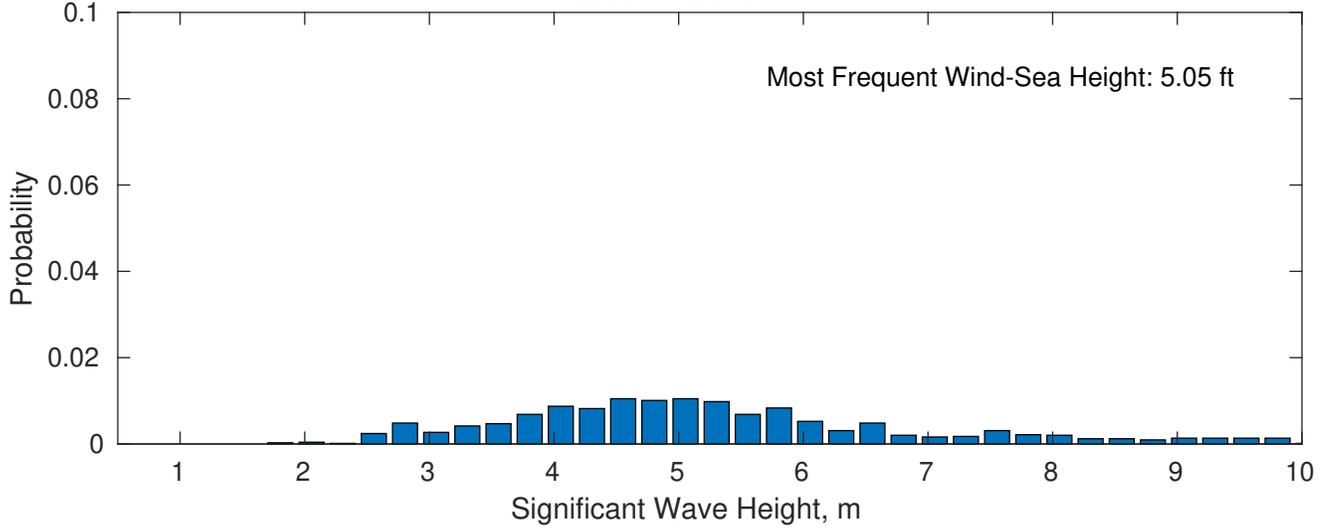




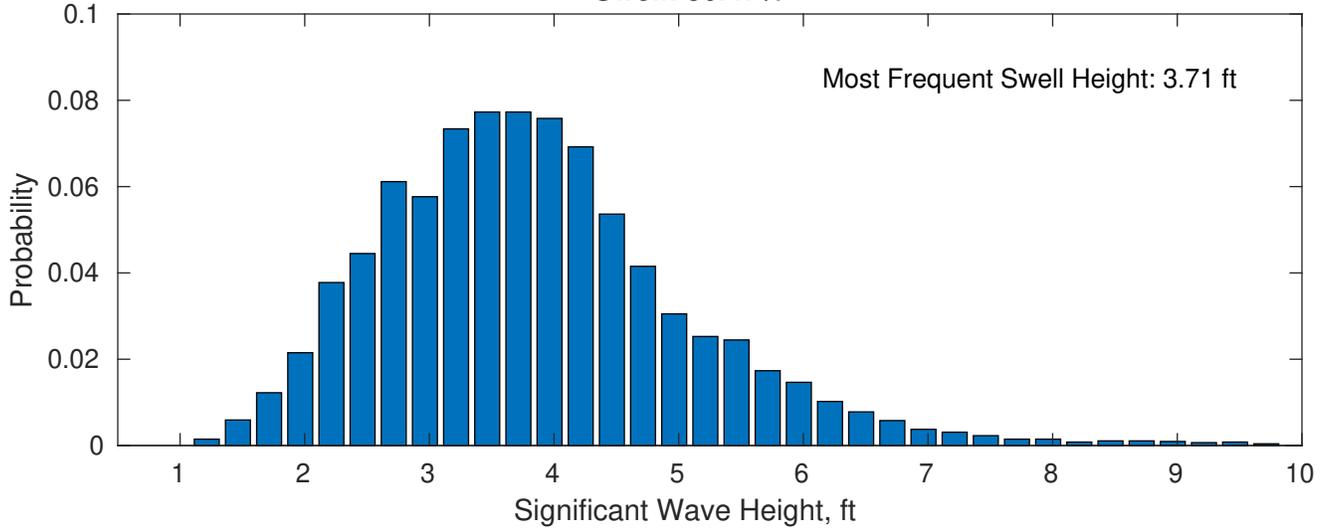
April Wave Height PDF: 1979 - 2015



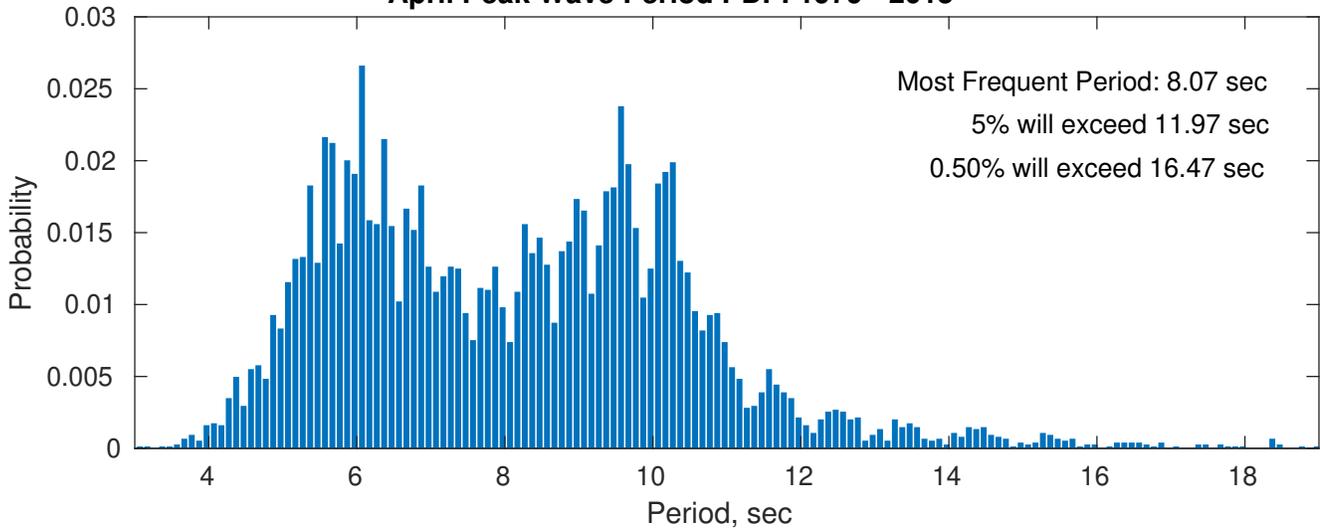
Wind-Sea: 13.53%



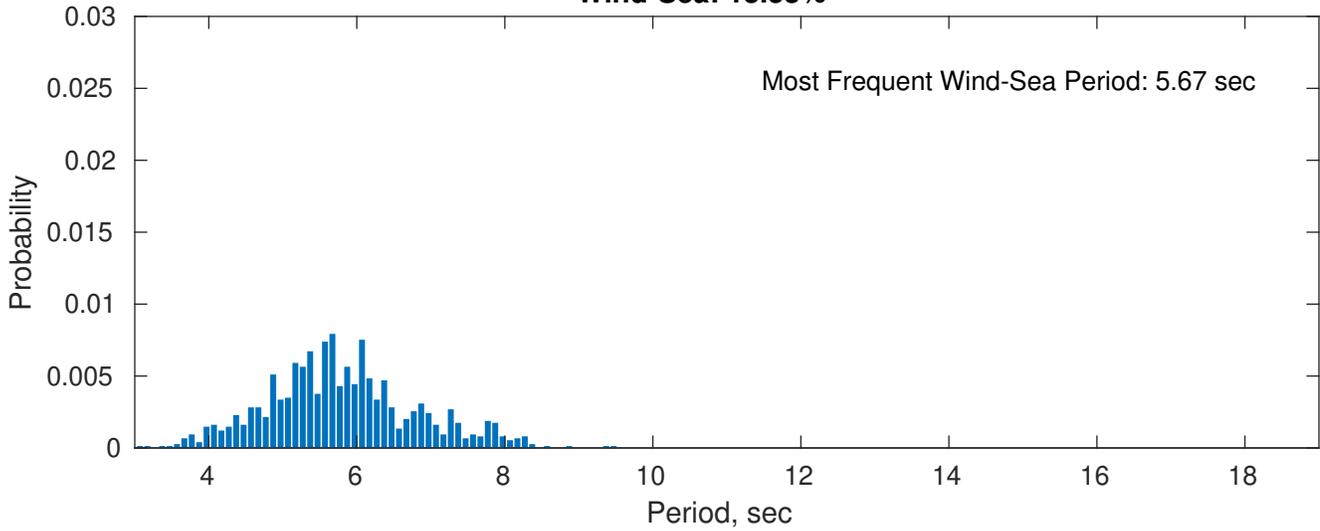
Swell: 86.47%



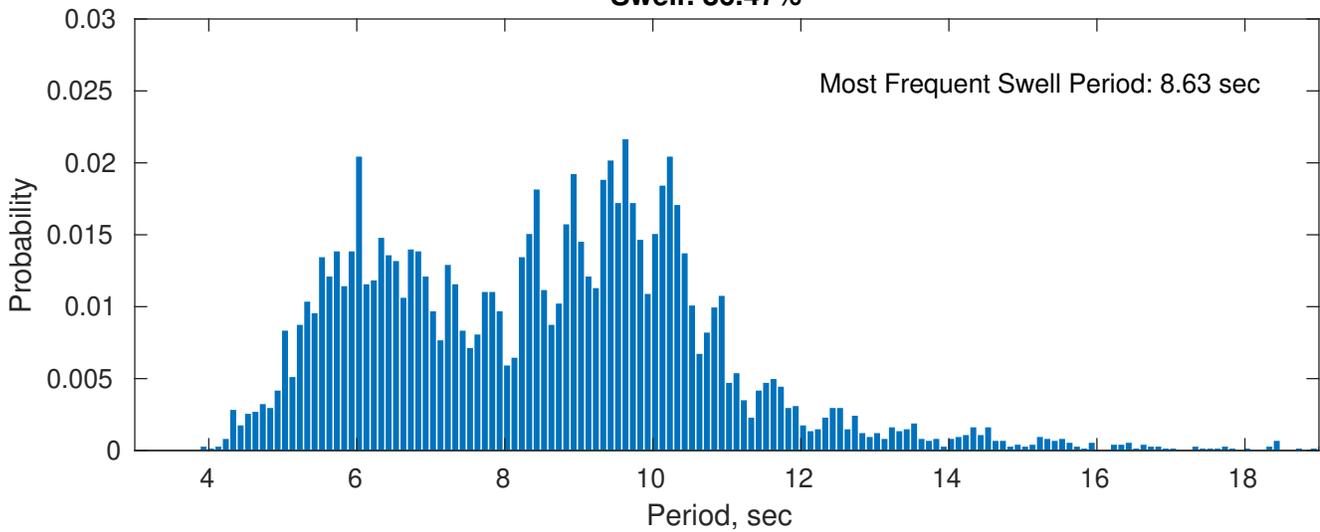
April Peak Wave Period PDF: 1979 - 2015



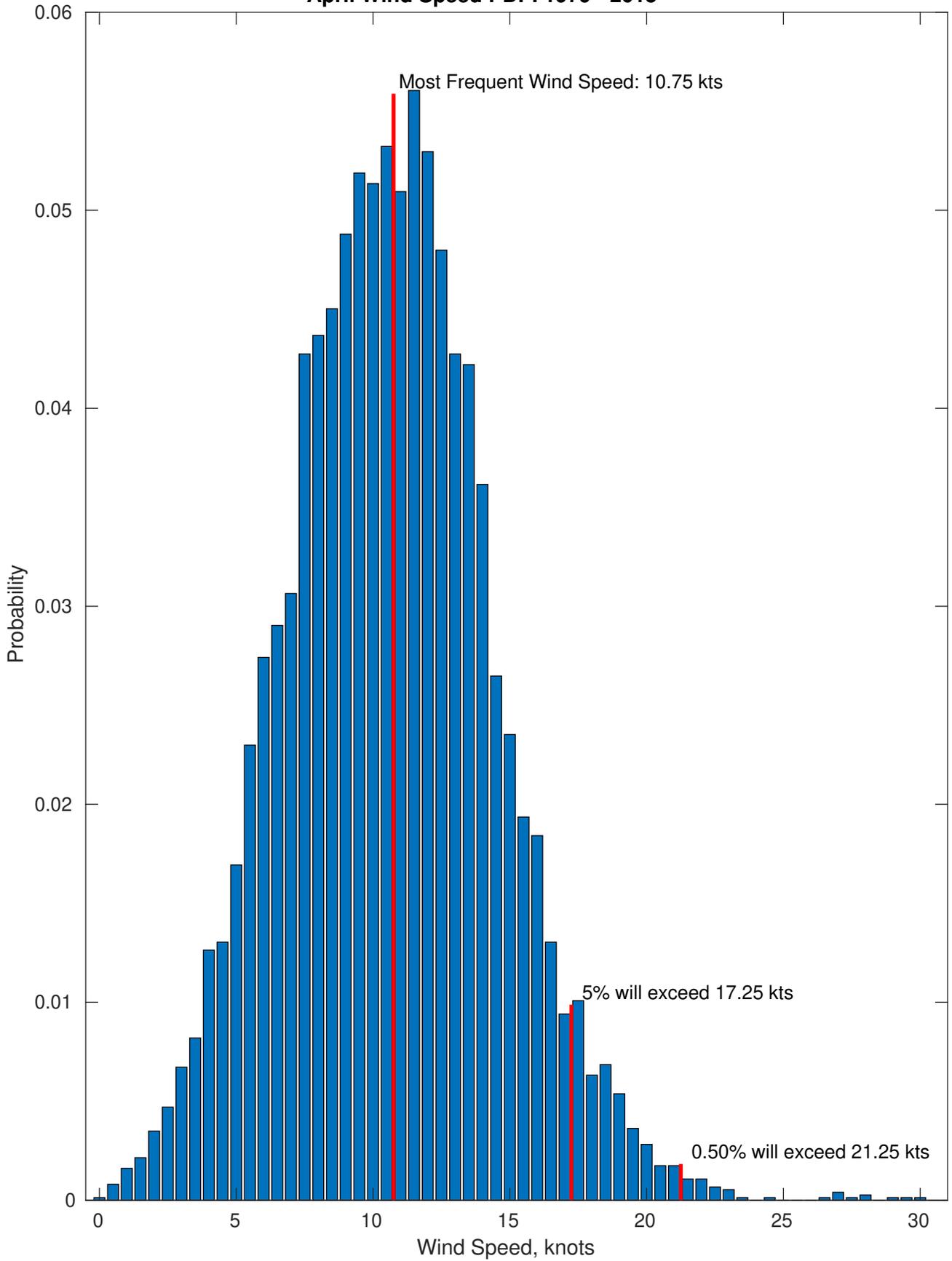
Wind-Sea: 13.53%



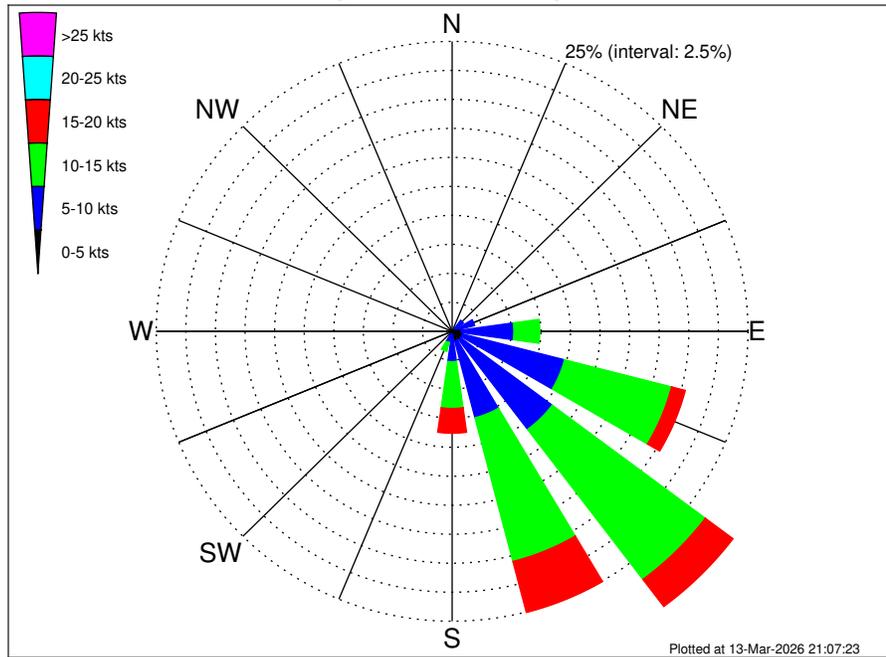
Swell: 86.47%



April Wind Speed PDF: 1979 - 2015



Tanzania MBES Climatological Wind Rose for April: 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	•	•	•	•	0.03	•	0.01	0.01	•	•	•	0.01	•	0.09
0 - 5 kts	0.08	0.13	0.31	0.51	0.78	0.90	0.91	0.83	0.28	0.23	0.12	0.04	0.04	0.04	0.01	0.03	5.26
5 - 10 kts	0.04	0.24	0.87	1.45	4.44	8.91	9.68	6.84	2.34	0.75	0.22	0.05	0.04	0.01	0.01	0.01	35.91
10 - 15 kts	0.01	0.07	0.24	0.12	2.19	9.34	16.20	12.80	4.03	0.79	0.19	0.03	•	•	•	•	46.01
15 - 20 kts	•	•	0.01	0.03	0.28	1.20	2.93	4.54	2.14	0.42	0.05	•	•	•	•	•	11.60
20 - 25 kts	•	•	•	•	•	0.04	0.16	0.26	0.50	0.04	•	•	•	•	•	•	0.99
25 - 30 kts	•	•	•	•	•	•	0.01	0.01	0.09	•	•	•	•	•	•	•	0.12
30 - 35 kts	•	•	•	•	•	•	0.01	•	•	•	•	•	•	•	•	•	0.01
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.15	0.44	1.45	2.11	7.69	20.39	29.91	25.31	9.38	2.24	0.59	0.12	0.08	0.05	0.04	0.04	100.00