

Aruba EBS - April

Latitude: 13.06 N Longitude: 69.89 W

Weather Days

Wave Height > 6.6 ft Mean: 10.1 days Range: 5.1 - 15.1 days p50:10 days p75:6 days p90:4 days
Wave Height > 8.2 ft Mean: 2.1 days Range: 0.1 - 4.1 days p50:3 days p75:1.5 days p90:1 days
Wave Height > 10.0 ft Mean: 0.2 days Range: 0.0 - 0.6 days p50:30 days p75:30 days p90:1.5 days

Wind Speed > 20.0 knots Mean: 5.5 days Range: 2.3 - 8.8 days p50:6 days p75:3 days p90:2 days
Wind Speed > 21.0 knots Mean: 3.0 days Range: 0.6 - 5.3 days p50:3 days p75:1.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.1 days Range: 0.0 - 0.4 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window

Wave Height < 6.6 ft	A 1 day or longer window will statistically occur 2.7 times per month A 2 day or longer window will statistically occur 2.2 times per month A 3 day or longer window will statistically occur 1.7 times per month
Wave Height < 8.2 ft	A 1 day or longer window will statistically occur 1.9 times per month A 2 day or longer window will statistically occur 1.7 times per month A 3 day or longer window will statistically occur 1.6 times per month
Wave Height < 10.0 ft	A 1 day or longer window will statistically occur 0.9 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 0.9 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 10 - 12 sec, but rarely longer.
Principle Direction, from: E
WindSea/Swell: 74% / 26%

Winds

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

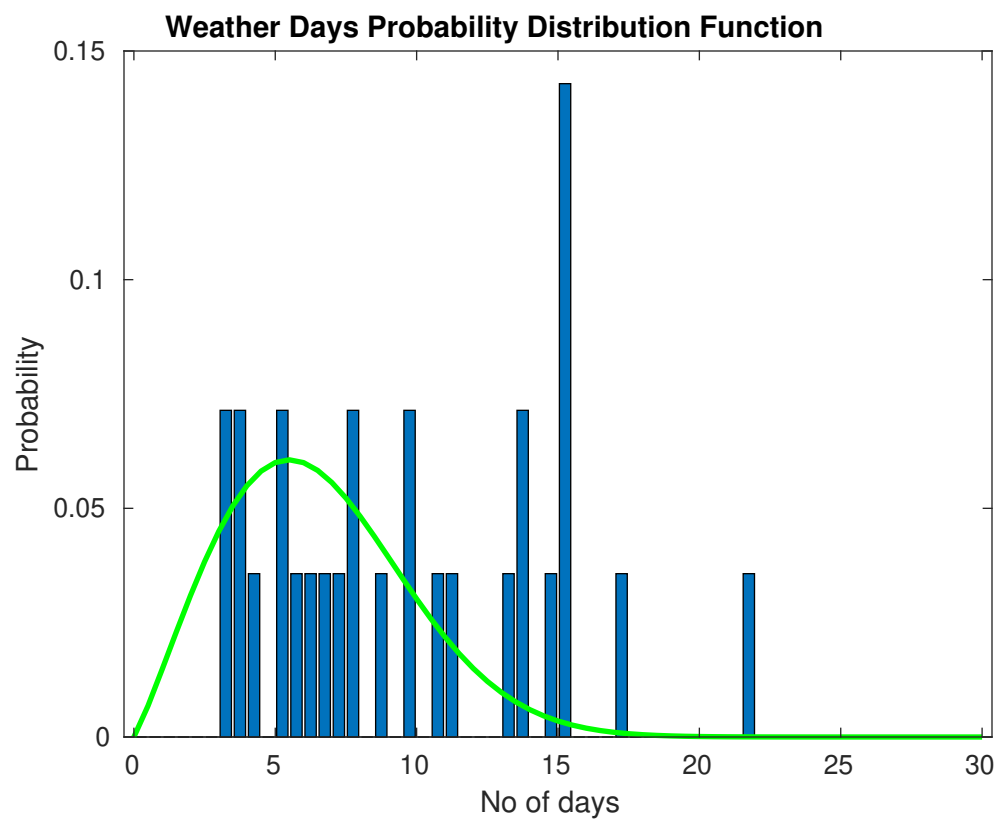
Currents

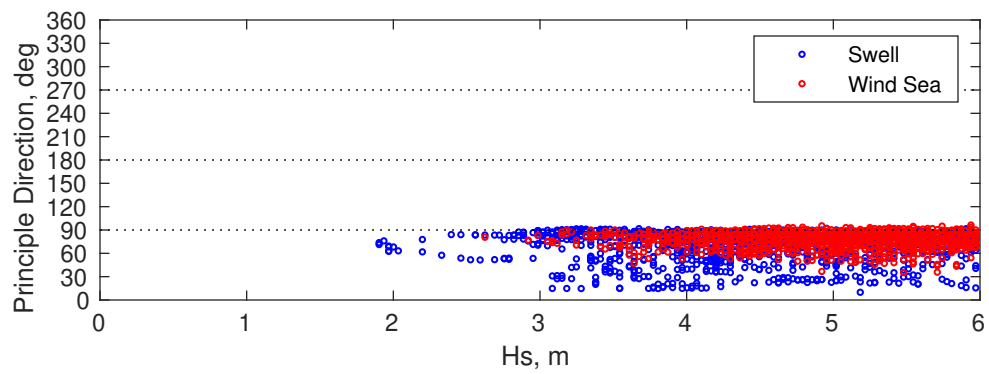
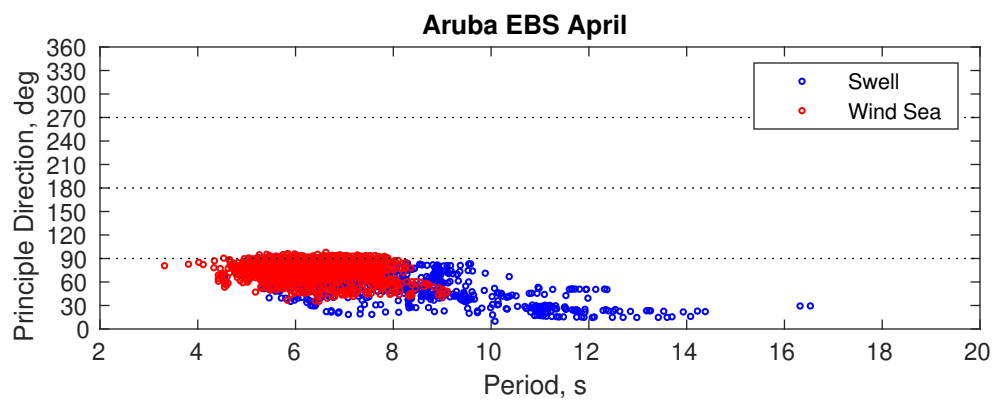
Mean Speed: 1.00-1.25 kts
The currents will occasionally reach 2.25-2.50 kts, but rarely greater.
Principle Direction, to: WNW

Weather Days
Current Speed > 1.0 knots Mean: 14.4 days Range: 7.3 - 21.5 days p50:16 days p75:12 days p90:3 days
Current Speed > 1.5 knots Mean: 3.4 days Range: 0.0 - 8.4 days p50:2 days p75:1 days p90:1 days
Current Speed > 2.0 knots Mean: 0.8 days Range: 0.0 - 2.5 days p50:1 days p75:1 days p90:1 days

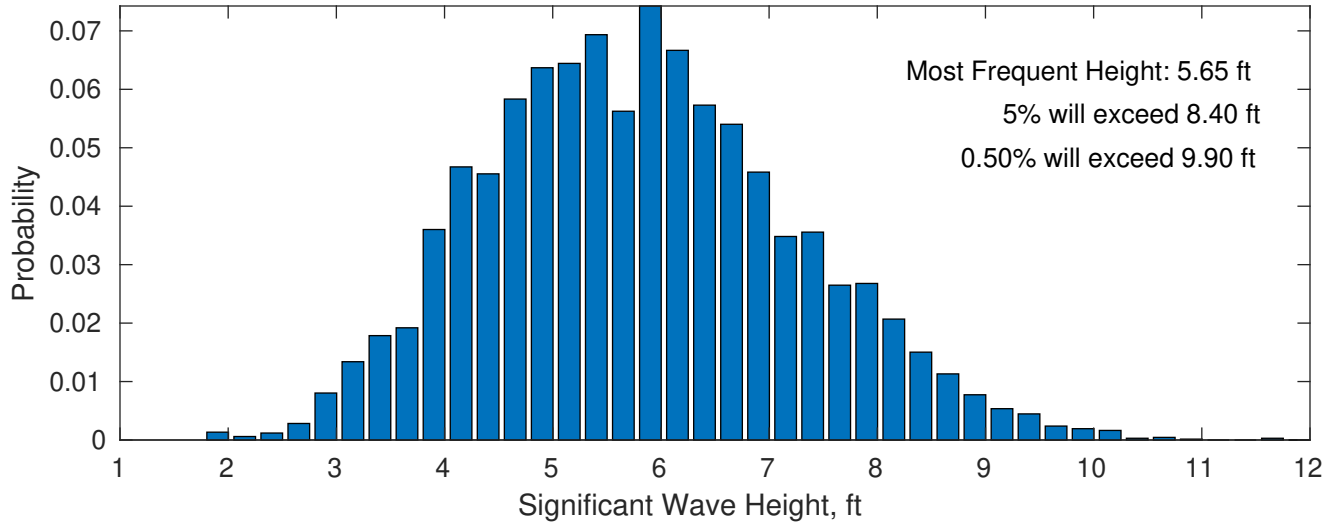
Severe Storms

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

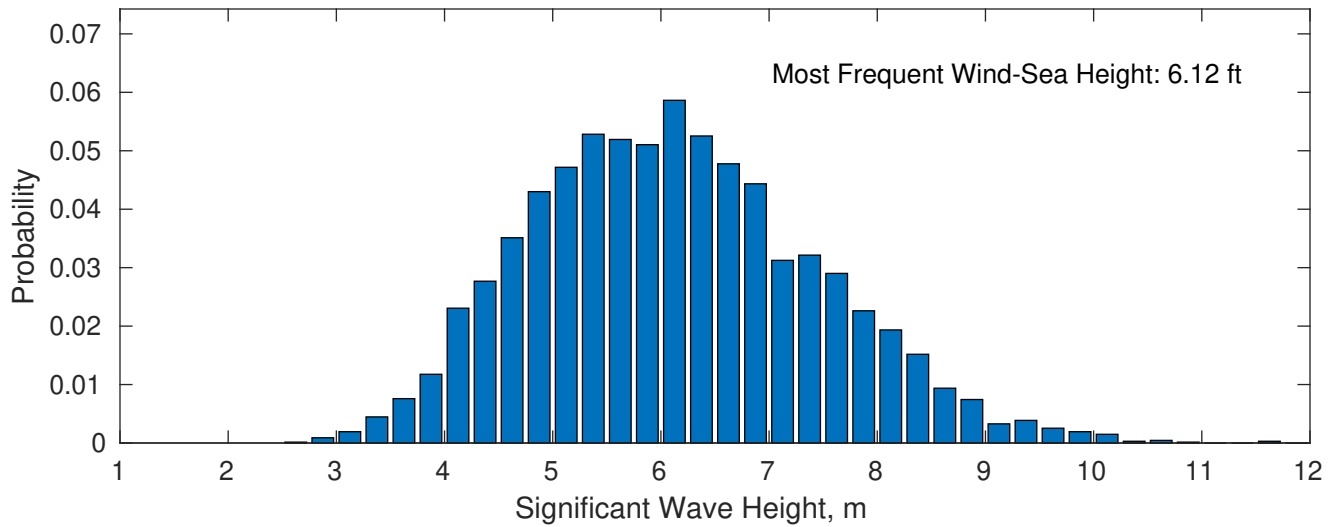




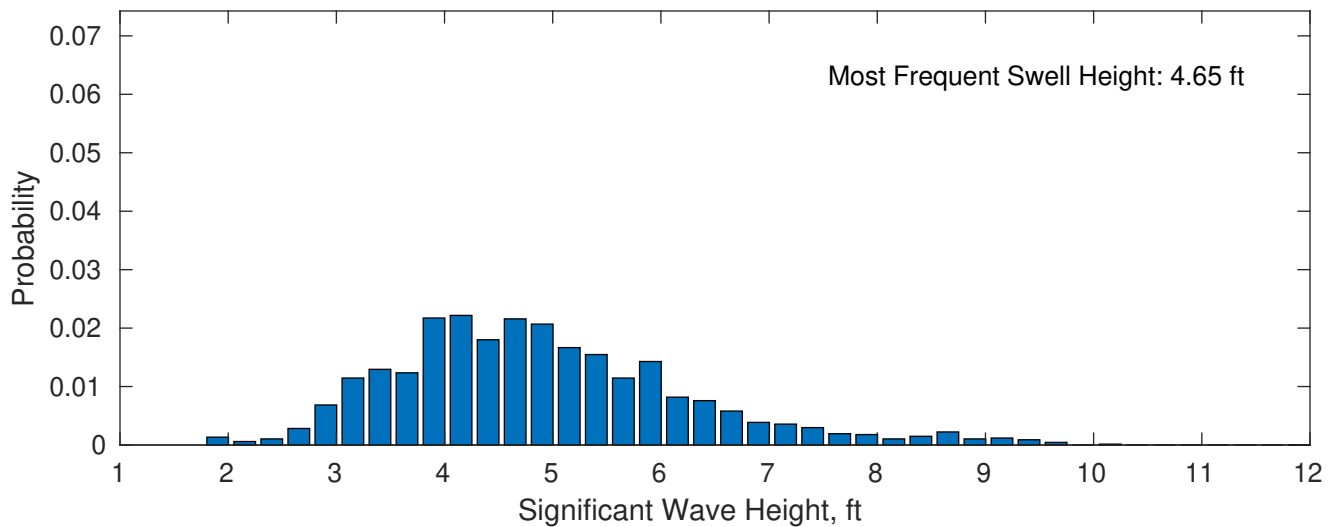
April Wave Height PDF: 1979 - 2015



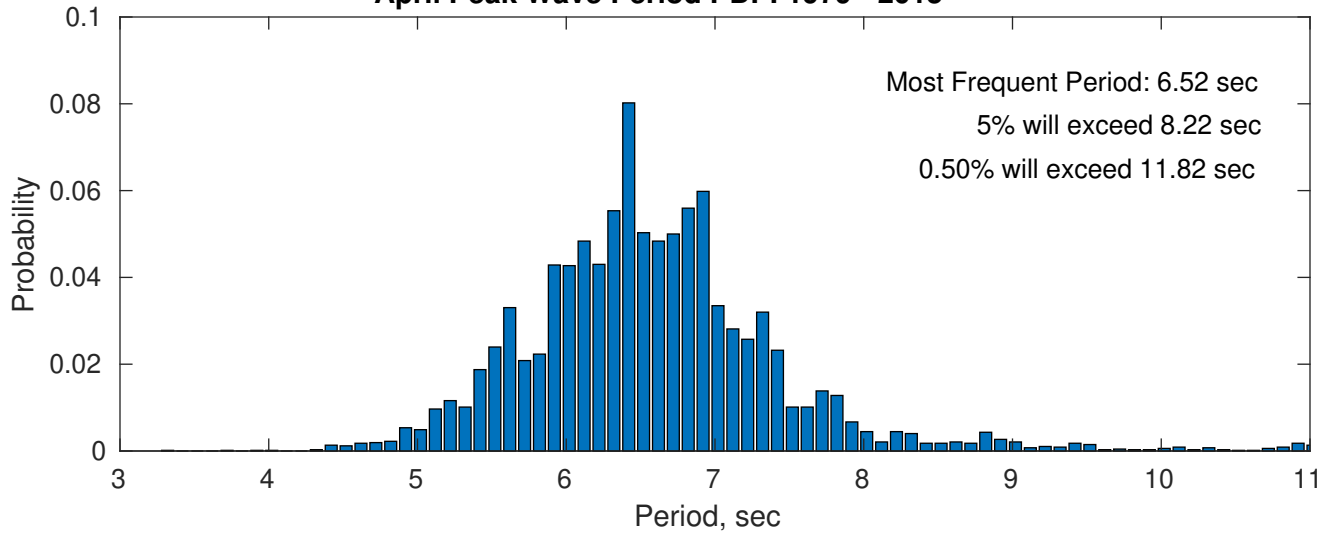
Wind-Sea: 74.43%



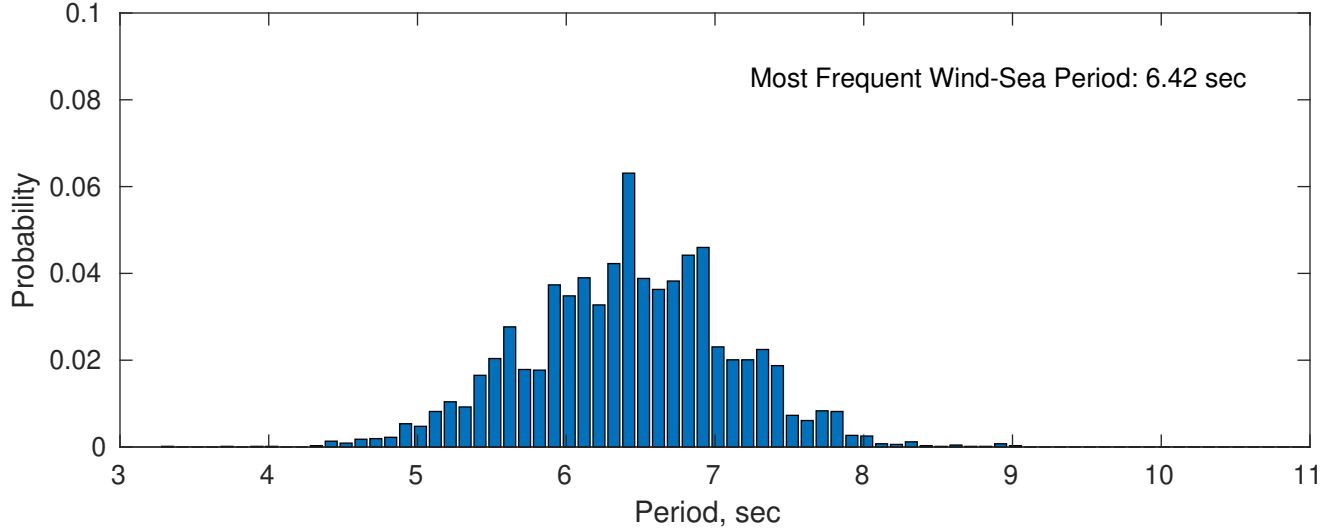
Swell: 25.57%



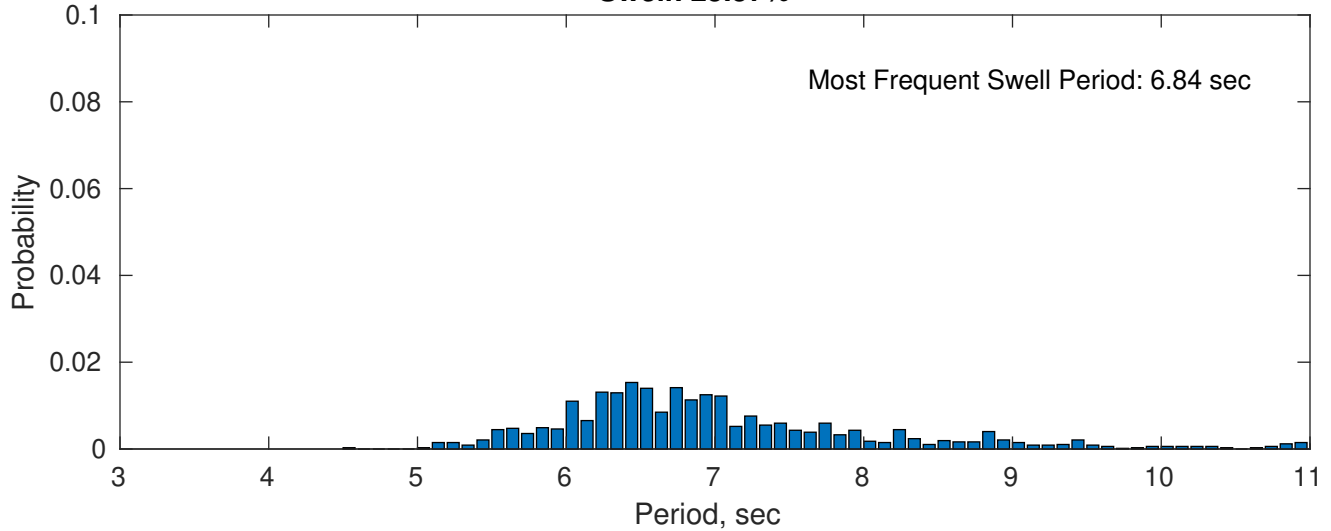
April Peak Wave Period PDF: 1979 - 2015



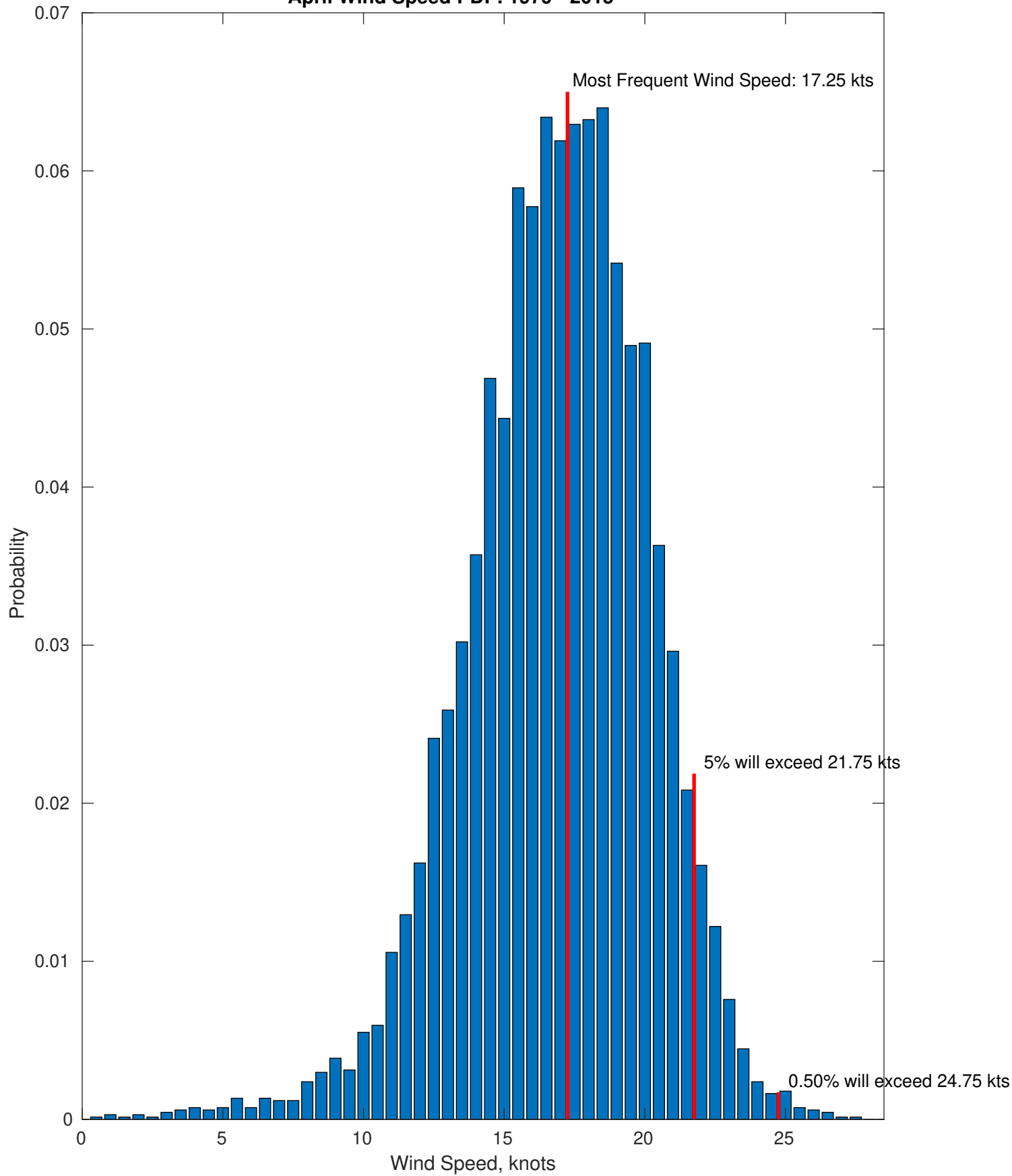
Wind-Sea: 74.43%



Swell: 25.57%



April Wind Speed PDF: 1979 - 2015

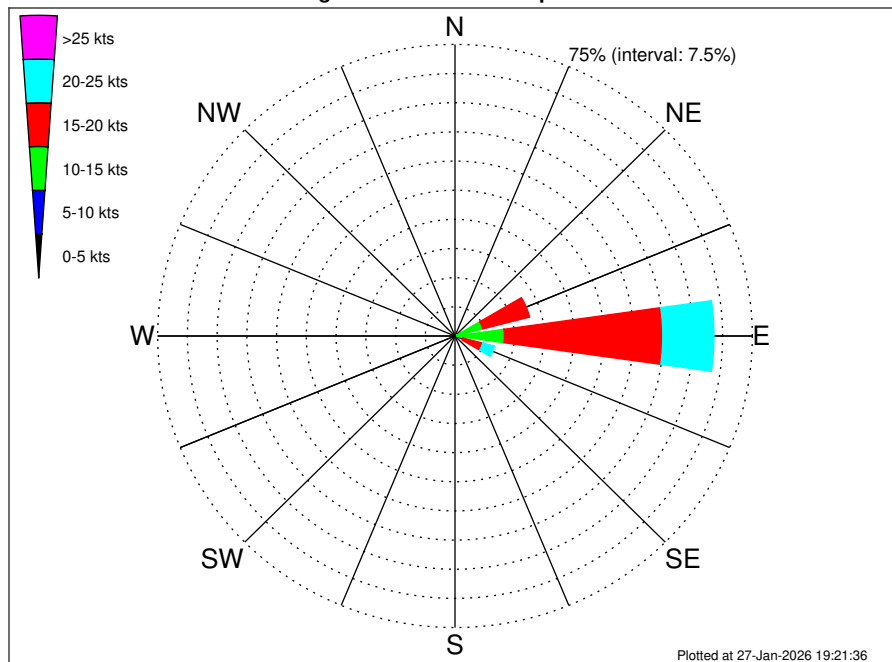


A wind rose plot showing wind frequency by direction and speed. The plot has eight main directional axes labeled N, NE, E, SE, S, SW, W, and NW. Concentric dotted circles represent frequency percentages, with the outermost circle labeled "75% (interval: 7.5%)". A color-coded legend on the left indicates wind speed ranges in feet per second (ft/s): >10 ft/s (magenta), 8-10 ft/s (cyan), 6-8 ft/s (red), 4-6 ft/s (green), 2-4 ft/s (blue), and 0-2 ft/s (black). The dominant wind direction is East (E), followed by East-North-East (ENE) and North-East (NE). The East sector shows significant frequency in the 6-8 ft/s (red) and 8-10 ft/s (cyan) ranges. Other directions show very low frequencies, mostly in the 0-2 ft/s range. The plot was generated on 27-Jan-2026 at 19:21:33.

[illegible]

[illegible]

Aruba EBS 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 - 5 kts	0.04	•	0.03	0.06	0.01	0.03	•	0.03	0.01	0.01	•	0.04	0.01	•	0.03	•	0.33
5 - 10 kts	0.04	0.10	0.25	0.49	0.51	0.27	0.10	0.03	•	0.01	•	•	•	0.01	0.03	0.03	1.89
10 - 15 kts	0.03	0.01	0.94	6.71	11.93	1.74	0.01	•	•	•	•	•	•	•	•	0.01	21.40
15 - 20 kts	•	0.03	0.60	12.19	39.96	5.16	0.03	•	•	•	•	•	•	•	•	•	57.96
20 - 25 kts	•	•	0.18	1.86	12.90	3.07	0.01	•	•	•	•	•	•	•	•	•	18.02
25 - 30 kts	•	•	•	0.12	0.10	0.16	•	•	•	•	•	•	•	•	•	•	0.39
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.12	0.15	1.99	21.43	65.42	10.45	0.16	0.06	0.01	0.03	•	0.04	0.01	0.01	0.06	0.04	100.00