

Aruba EBS - May

Latitude: 13.06 N Longitude: 69.89 W

Weather Days

Wave Height > 6.6 ft Mean: 12.6 days Range: 7.0 - 18.1 days p50:13 days p75:9 days p90:5 days
Wave Height > 8.2 ft Mean: 2.3 days Range: 0.4 - 4.2 days p50:3 days p75:1.5 days p90:1 days
Wave Height > 10.0 ft Mean: 0.1 days Range: 0.0 - 0.4 days p50:30 days p75:30 days p90:1 days

Wind Speed > 20.0 knots Mean: 8.7 days Range: 4.7 - 12.8 days p50:9 days p75:6 days p90:3.5 days
Wind Speed > 21.0 knots Mean: 5.5 days Range: 2.4 - 8.5 days p50:5.5 days p75:3 days p90:2 days
Wind Speed > 25.0 knots Mean: 0.4 days Range: 0.0 - 0.9 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 2.8 times per month A 2 day or longer window will statistically occur 1.9 times per month A 3 day or longer window will statistically occur 1.6 times per month
Wave Height < 8.2 ft	A 1 day or longer window will statistically occur 2.1 times per month A 2 day or longer window will statistically occur 1.8 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: 6 - 8 ft
The wave heights will occasionally reach 8 - 10 ft, but rarely higher.
Mean Period: 6 - 8 sec
The wave periods will occasionally reach 8 - 10 sec, but rarely longer.
Principle Direction, from: E
WindSea/Swell: 82% / 18%

Winds

Mean Speed: 15 - 20 kts
The winds will occasionally reach 25 - 30 kts, but rarely greater.
Principle Direction, from: E

Currents

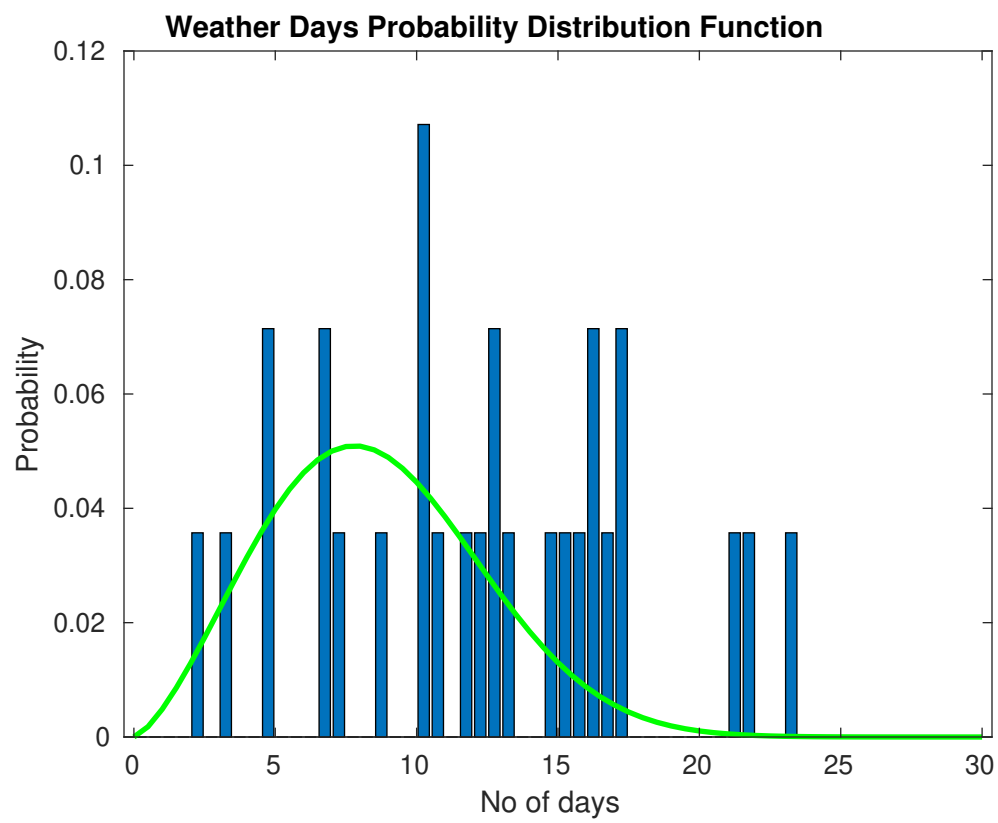
Mean Speed: 0.75-1.00 kts
The currents will occasionally reach 2.25-2.50 kts, but rarely greater.
Principle Direction, to: WNW

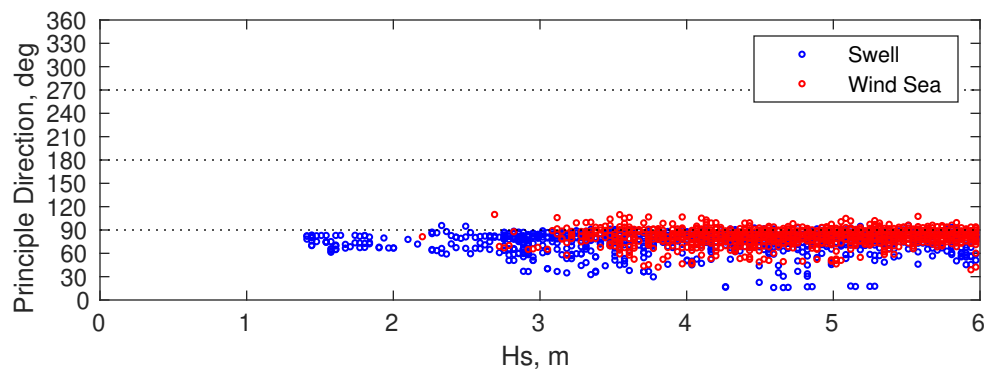
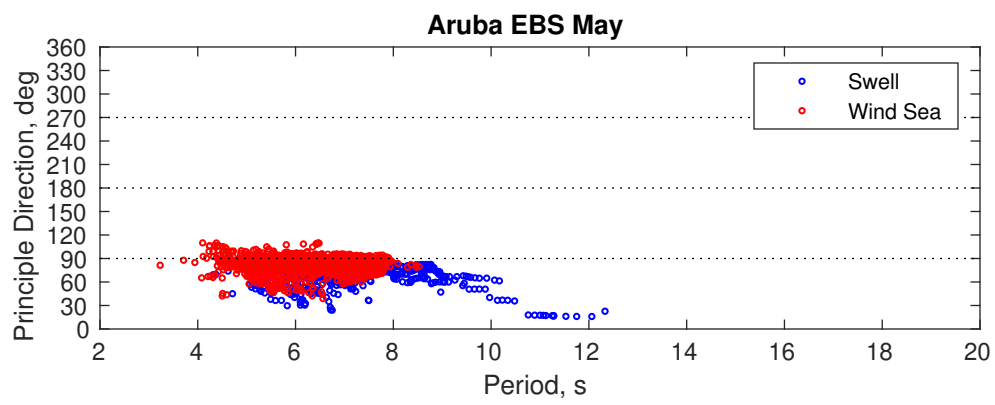
Weather Days

Current Speed > 1.0 knots Mean: 12.4 days Range: 6.3 - 18.5 days p50:13 days p75:10 days p90:5 days
Current Speed > 1.5 knots Mean: 2.8 days Range: 0.0 - 7.3 days p50:2 days p75:1 days p90:1 days
Current Speed > 2.0 knots Mean: 0.6 days Range: 0.0 - 2.3 days p50:1 days p75:1 days p90:1 days

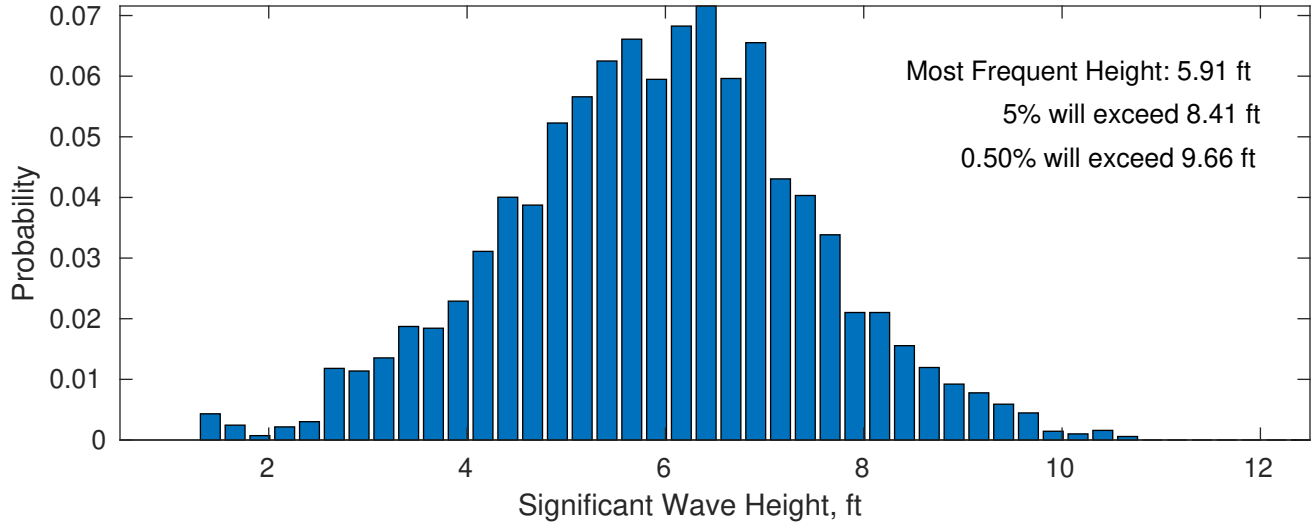
Severe Storms

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

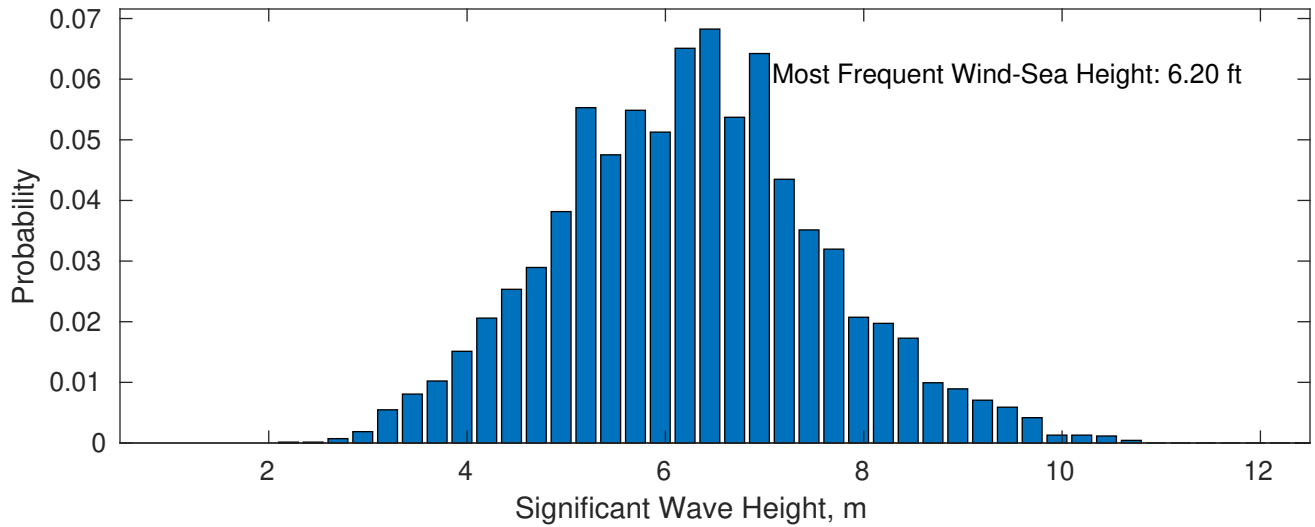




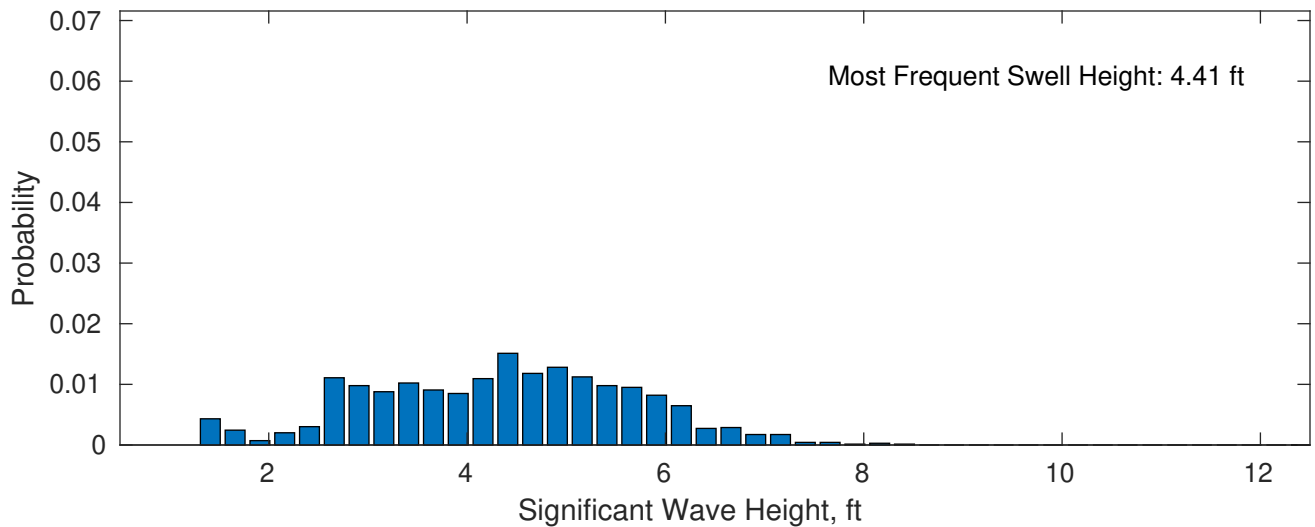
May Wave Height PDF: 1979 - 2015



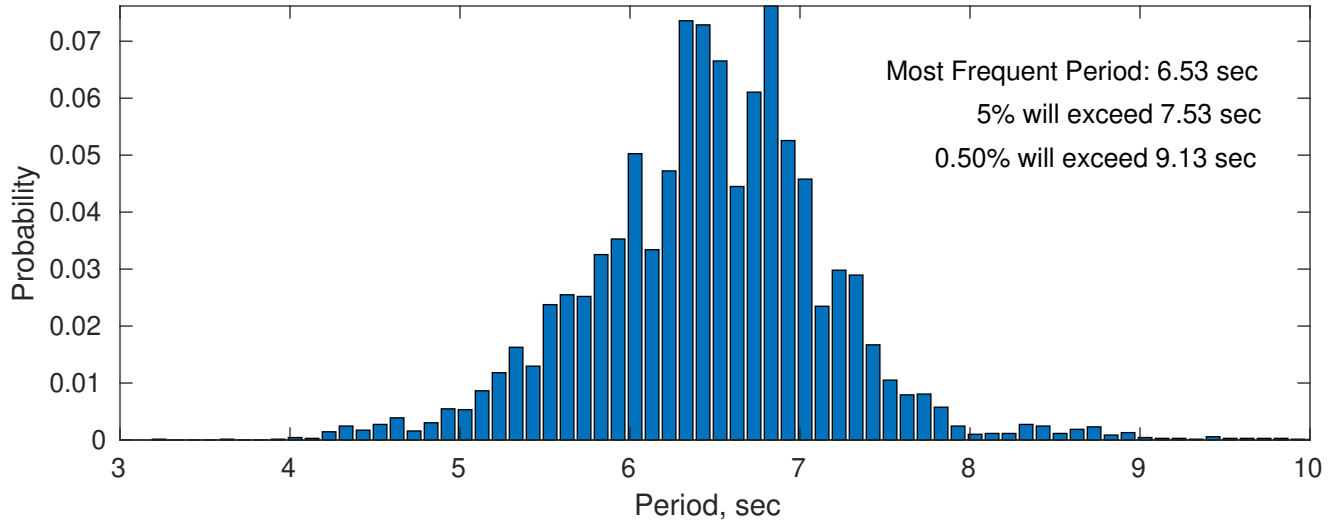
Wind-Sea: 82.36%



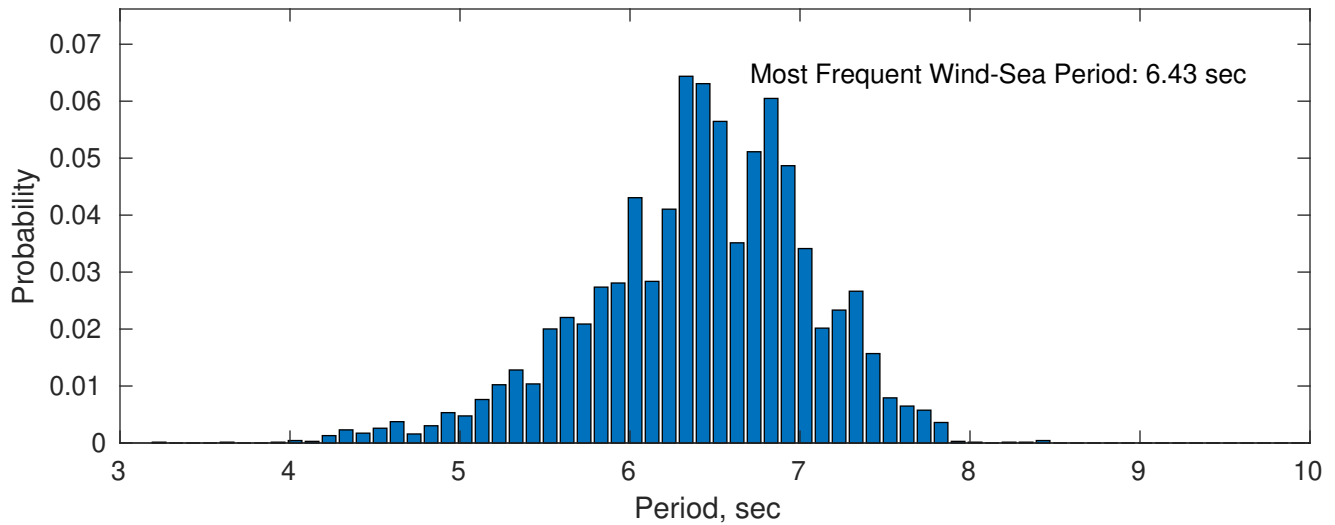
Swell: 17.64%



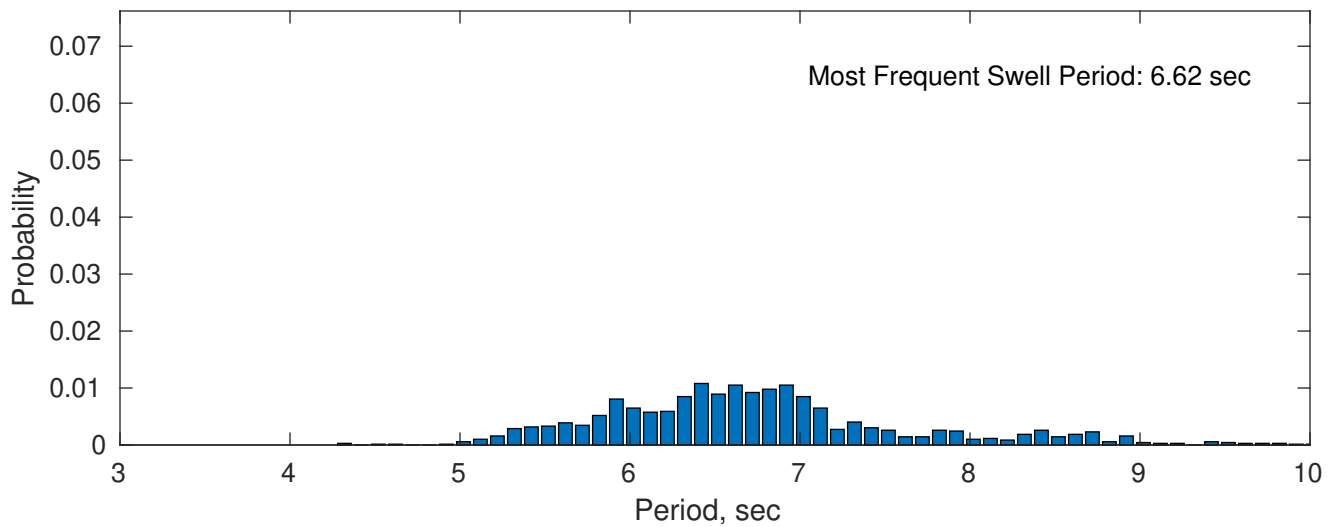
May Peak Wave Period PDF: 1979 - 2015



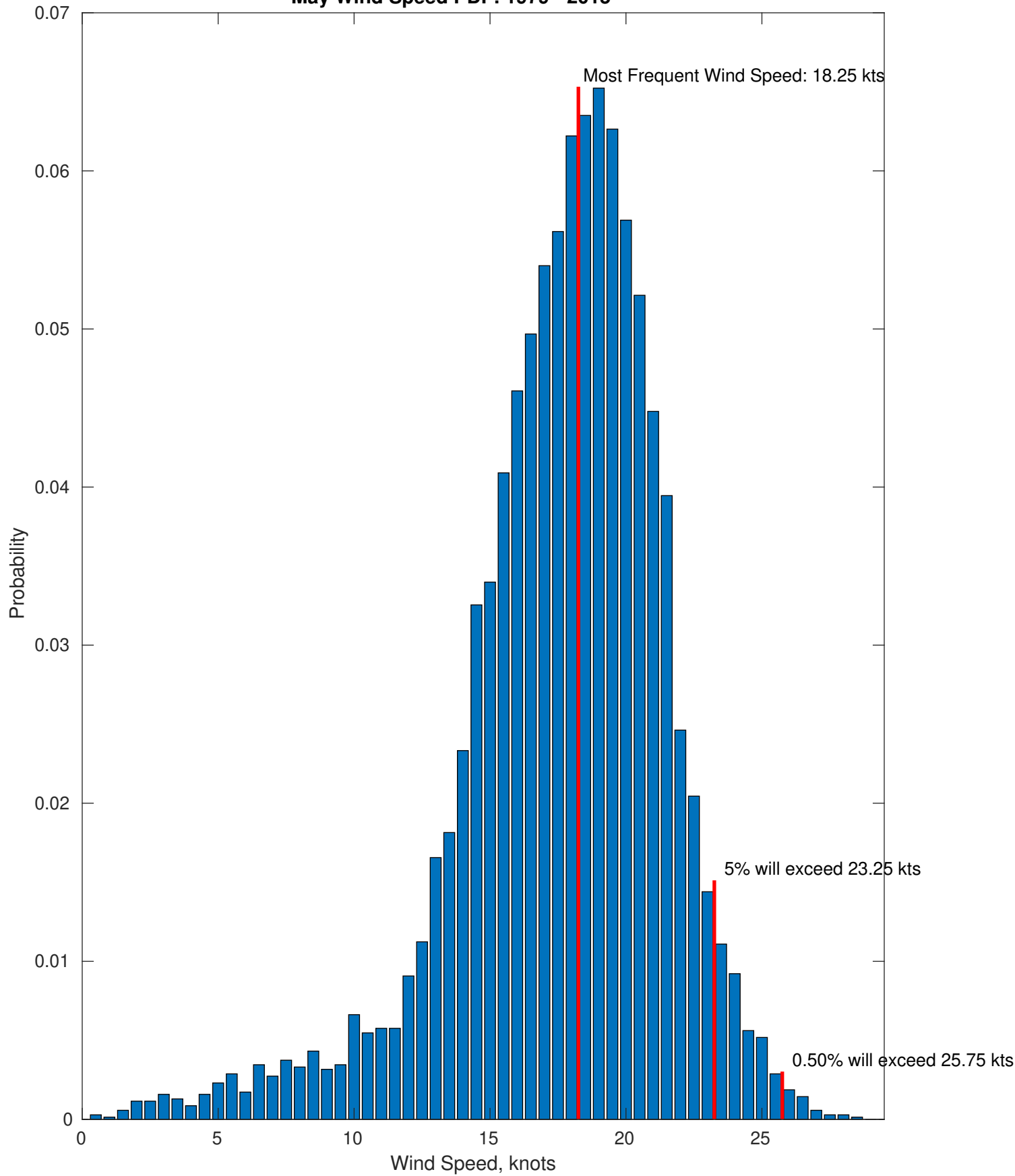
Wind-Sea: 82.36%



Swell: 17.64%



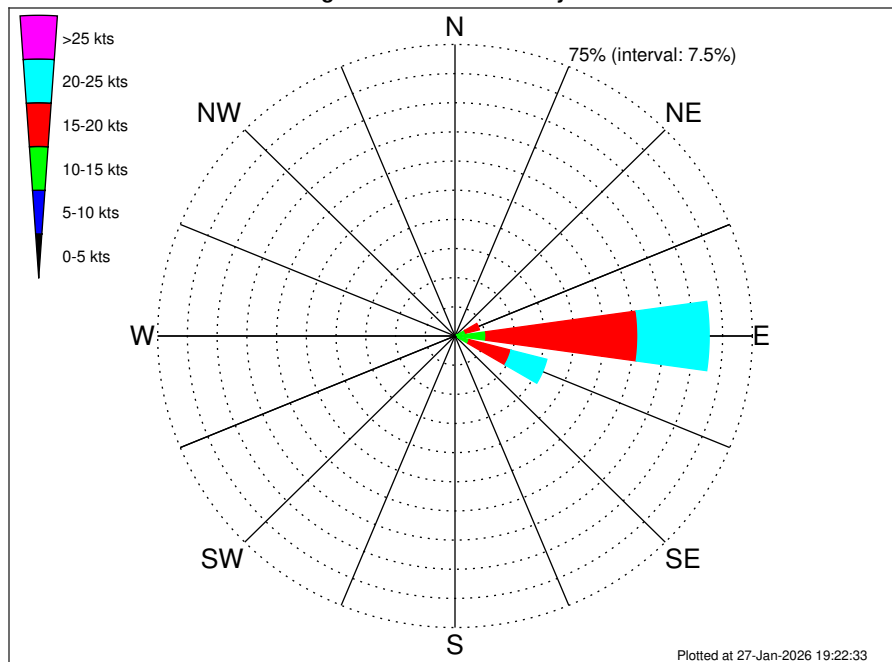
May Wind Speed PDF: 1979 - 2015



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Aruba EBS 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	•	•	•	•	•	•	•	•	•	•	•	0.03
0 - 5 kts	0.04	0.10	0.06	0.06	0.07	0.13	0.10	0.06	0.04	0.06	0.01	•	0.06	0.01	0.01	0.01	0.84
5 - 10 kts	0.03	0.13	0.24	0.40	0.65	0.65	0.43	0.22	0.06	0.03	0.09	0.06	0.03	0.03	0.03	0.04	3.11
10 - 15 kts	•	0.03	0.22	2.33	7.09	2.94	0.55	0.16	0.10	0.03	•	•	0.01	•	•	•	13.45
15 - 20 kts	•	0.01	0.14	3.57	38.34	10.90	0.48	•	•	•	•	•	•	•	•	•	53.44
20 - 25 kts	•	•	•	0.56	17.96	9.32	0.03	•	•	•	•	•	•	•	•	•	27.87
25 - 30 kts	•	•	•	•	0.56	0.71	•	•	•	•	•	•	•	•	•	•	1.27
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.07	0.27	0.68	6.93	64.67	24.64	1.58	0.43	0.20	0.12	0.10	0.06	0.10	0.04	0.04	0.06	100.00