

Aruba EBS - August

Latitude: 13.06 N Longitude: 69.89 W

Weather Days

Wave Height > 6.6 ft Mean: 16.3 days Range: 10.1 - 22.6 days p50:17.5 days p75:12.5 days p90:7 days
Wave Height > 8.2 ft Mean: 3.2 days Range: 1.0 - 5.4 days p50:3.5 days p75:1 days p90:1 days
Wave Height > 10.0 ft Mean: 0.4 days Range: 0.0 - 0.9 days p50:30 days p75:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 13.8 days Range: 8.4 - 19.3 days p50:15.5 days p75:10 days p90:6 days
Wind Speed > 21.0 knots Mean: 10.1 days Range: 5.3 - 14.8 days p50:10.5 days p75:7 days p90:4 days
Wind Speed > 25.0 knots Mean: 1.2 days Range: 0.0 - 2.3 days p50:1.5 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 3.7 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 1.2 times per month
Wave Height < 8.2 ft	A 1 day or longer window will statistically occur 3.5 times per month A 2 day or longer window will statistically occur 3.1 times per month A 3 day or longer window will statistically occur 2.3 times per month
Wave Height < 10.0 ft	A 1 day or longer window will statistically occur 1.4 times per month A 2 day or longer window will statistically occur 1.3 times per month A 3 day or longer window will statistically occur 1.3 times per month

Waves

Mean Height: 6 - 8 ft
The wave heights will occasionally reach 10 - 12 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: 87% / 13%

Winds

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

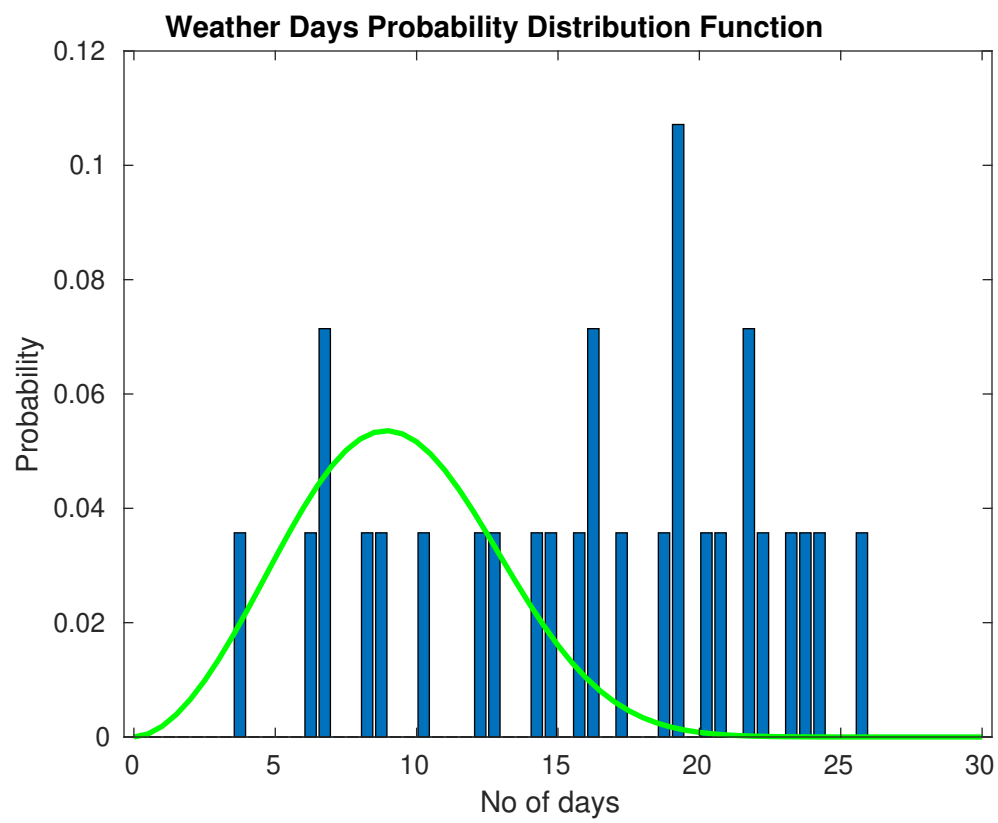
Currents

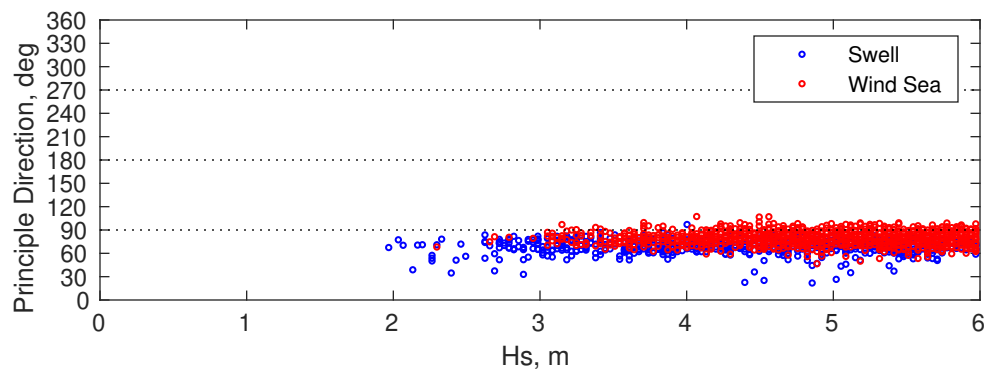
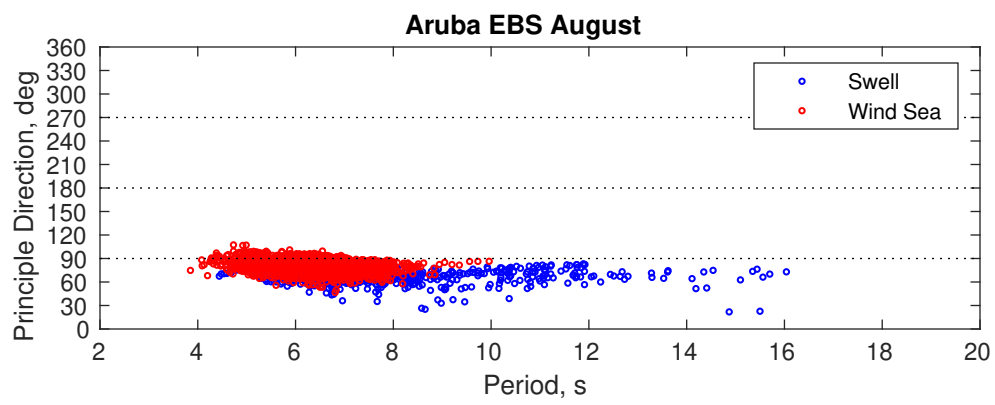
Mean Speed: 1.00-1.25 kts
The currents will occasionally reach 2.25-2.50 kts, but rarely greater.
Principle Direction, to: WNW

Weather Days
Current Speed > 1.0 knots Mean: 15.9 days Range: 6.5 - 25.2 days p50:16 days p75:8 days p90:5 days
Current Speed > 1.5 knots Mean: 8.0 days Range: 0.5 - 15.5 days p50:7 days p75:2 days p90:1 days
Current Speed > 2.0 knots Mean: 2.5 days Range: 0.0 - 5.8 days p50:1 days p75:1 days p90:1 days

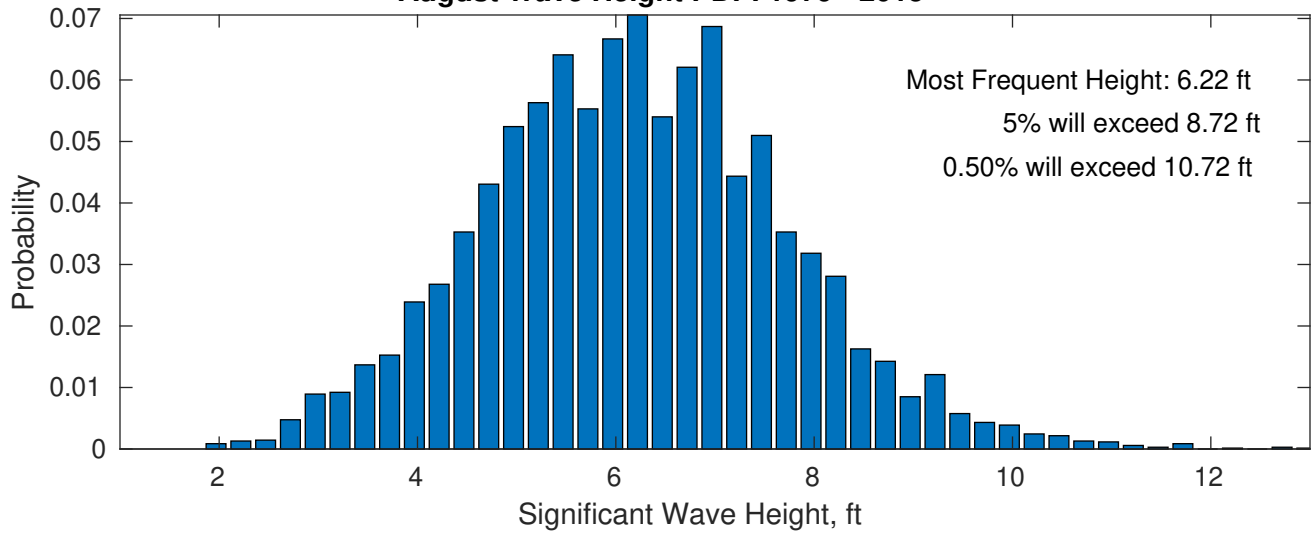
Severe Storms

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

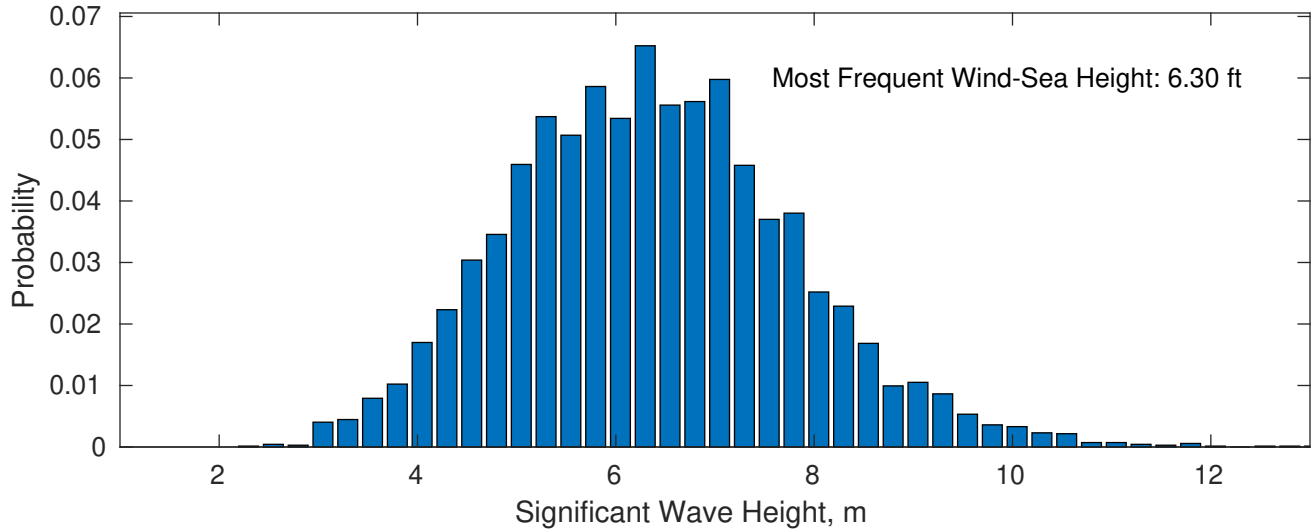




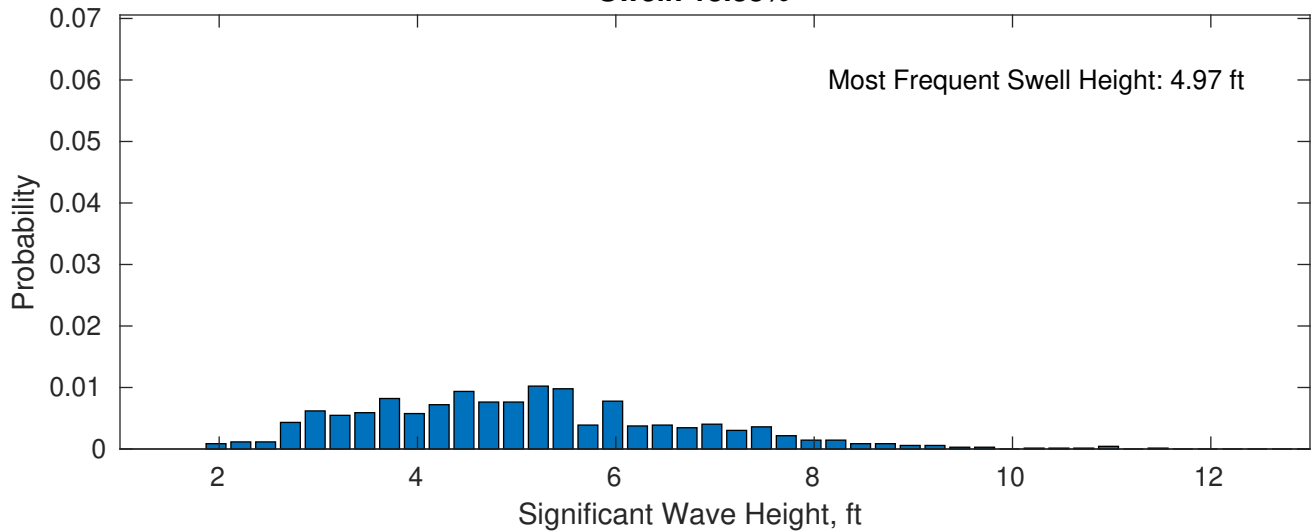
August Wave Height PDF: 1979 - 2015



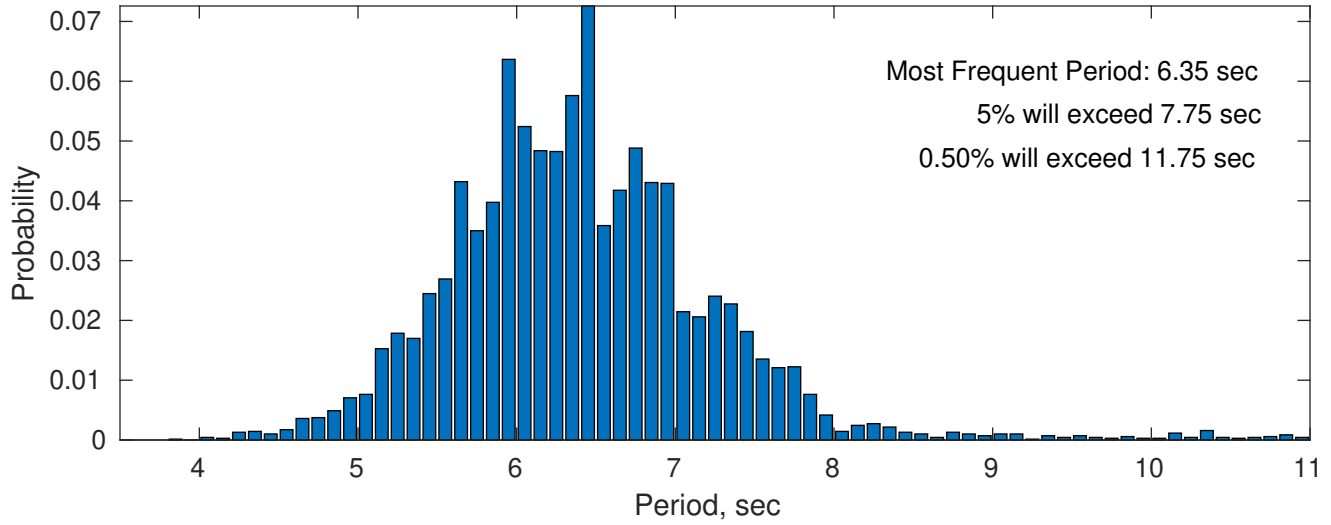
Wind-Sea: 86.62%



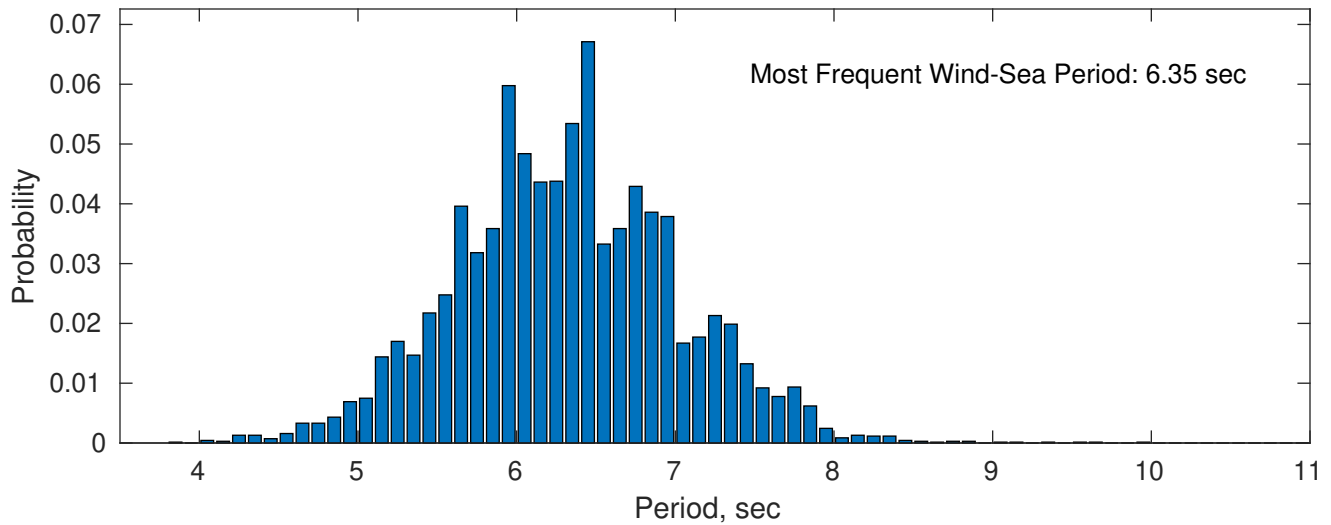
Swell: 13.38%



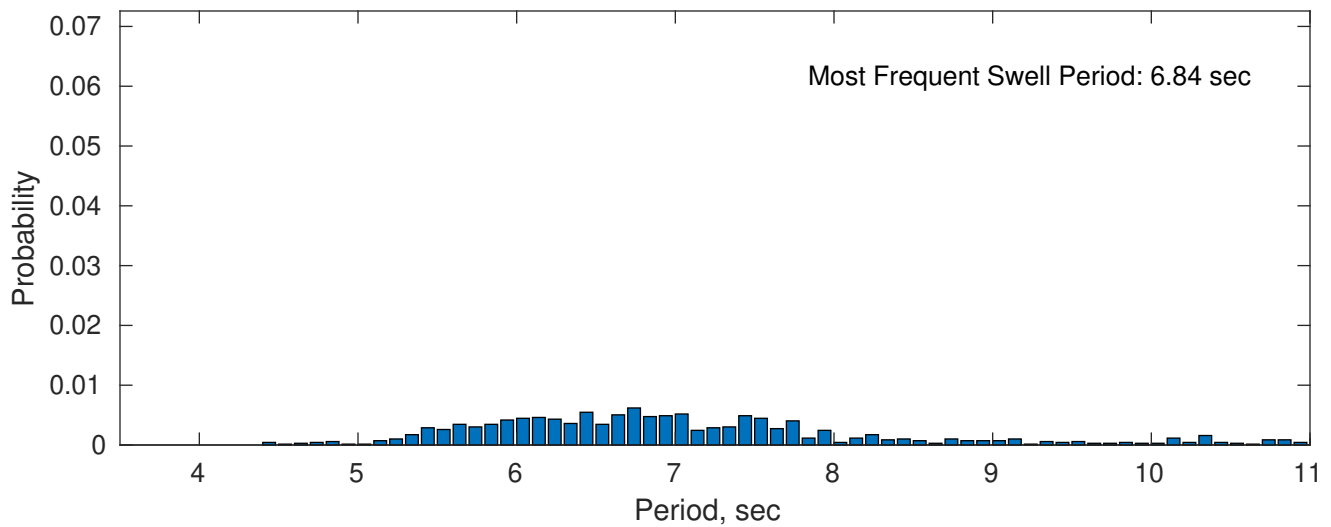
August Peak Wave Period PDF: 1979 - 2015



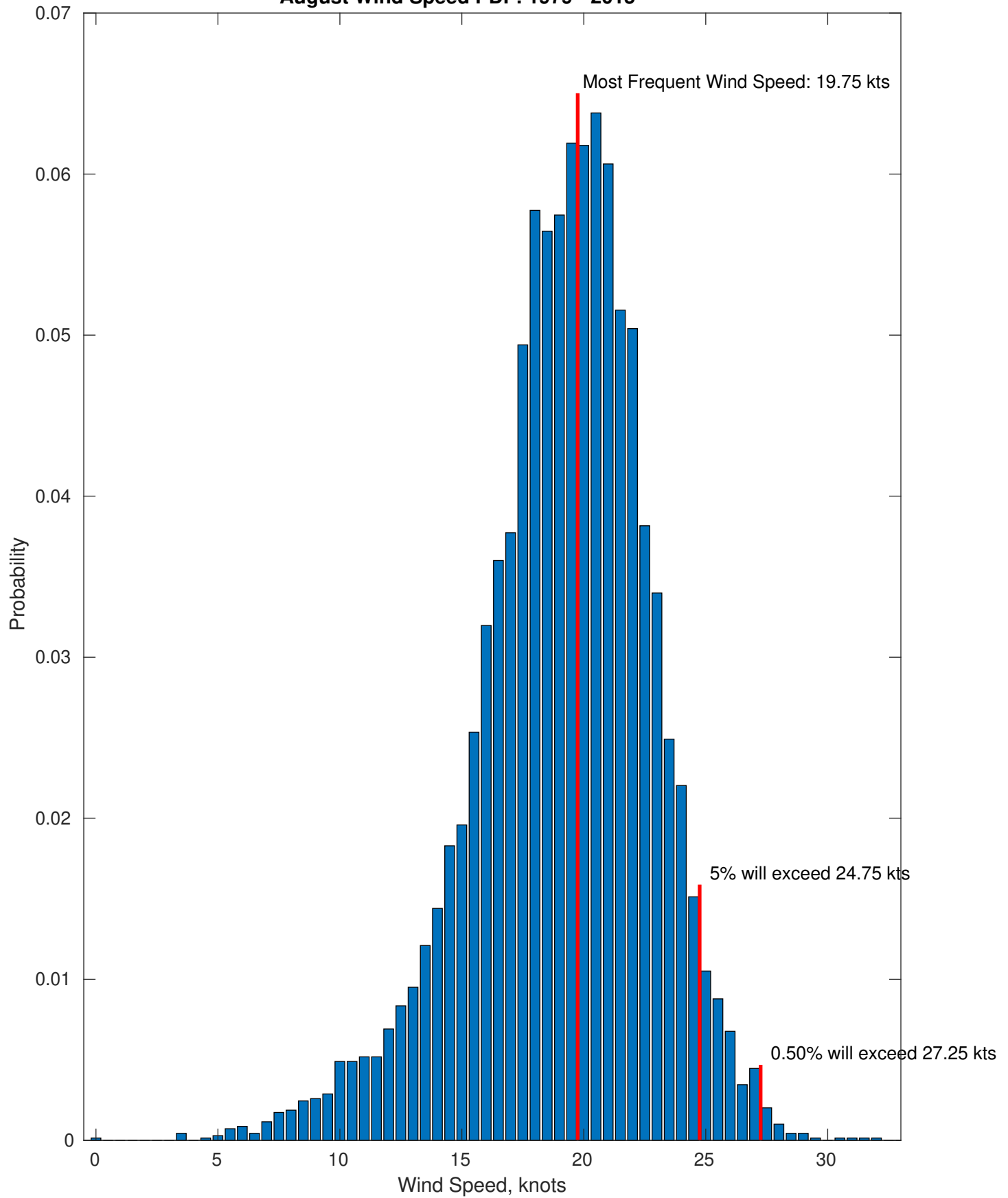
Wind-Sea: 86.62%



Swell: 13.38%



August Wind Speed PDF: 1979 - 2015



75% (interval: 7.5%)

NW NE E SE S SW W N

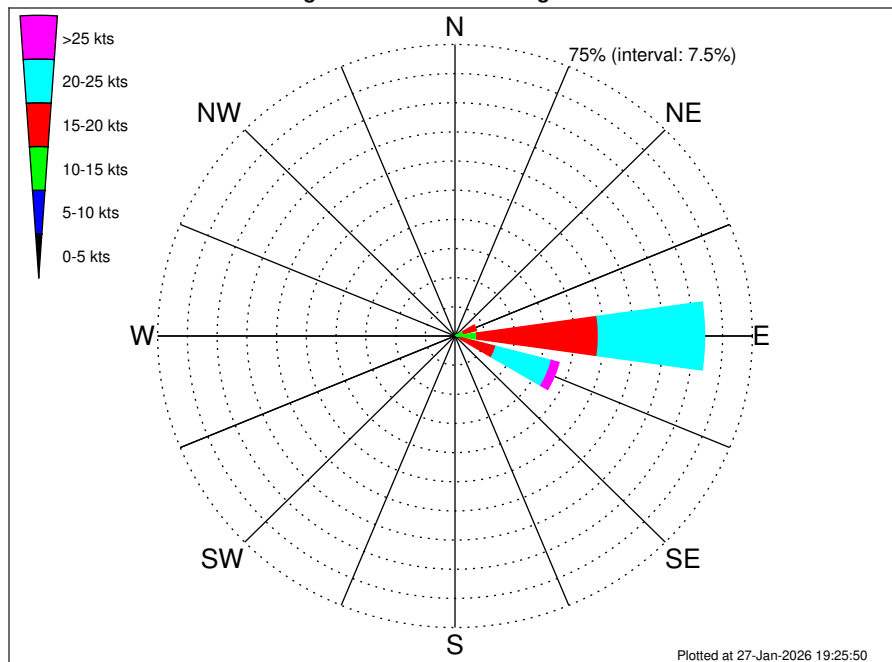
>10 ft
8-10 ft
6-8 ft
4-6 ft
2-4 ft
0-2 ft

Plotted at 27-Jan-2026 19:25:47

[illegible]

[illegible]

Aruba EBS Climatological Wind Rose for August: 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	•	0.01	•	•	•	0.01	0.01	•	•	•	•	0.01	•	•	•	•	0.06
5 - 10 kts	0.03	0.07	0.16	0.33	0.53	0.16	0.09	•	•	•	•	0.03	•	0.01	0.03	0.06	1.50
10 - 15 kts	•	0.03	0.16	1.96	5.00	1.48	0.14	0.04	•	•	0.01	0.04	0.06	•	•	0.04	8.97
15 - 20 kts	•	•	0.06	3.31	30.66	9.00	0.30	0.01	0.01	•	•	•	•	•	•	•	43.36
20 - 25 kts	•	•	•	0.96	26.76	14.46	0.04	•	•	•	0.01	•	•	•	•	•	42.24
25 - 30 kts	•	•	•	•	1.81	1.97	0.01	•	•	•	•	•	•	•	•	•	3.80
30 - 35 kts	•	•	•	•	0.03	0.03	•	•	•	•	•	•	•	•	•	•	0.06
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.03	0.12	0.37	6.57	64.79	27.12	0.60	0.06	0.01	•	0.03	0.10	0.06	0.01	0.03	0.10	100.00