

Aruba EBS - November

Latitude: 13.06 N Longitude: 69.89 W

Weather Days

Wave Height > 6.6 ft Mean: 6.9 days Range: 3.3 - 10.4 days p50:6.5 days p75:4.5 days p90:2.5 days
Wave Height > 8.2 ft Mean: 1.2 days Range: 0.0 - 2.6 days p50:2.5 days p75:1 days p90:0.5 days
Wave Height > 10.0 ft Mean: 0.2 days Range: 0.0 - 0.5 days p50:30 days p75:30 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 2.7 days Range: 0.7 - 4.7 days p50:3 days p75:1.5 days p90:0.5 days
Wind Speed > 21.0 knots Mean: 1.4 days Range: 0.2 - 2.6 days p50:1.5 days p75:0.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.1 days Range: 0.0 - 0.2 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 2.3 times per month A 3 day or longer window will statistically occur 2.0 times per month
Wave Height < 8.2 ft	A 1 day or longer window will statistically occur 1.6 times per month A 2 day or longer window will statistically occur 1.4 times per month A 3 day or longer window will statistically occur 1.3 times per month
Wave Height < 10.0 ft	A 1 day or longer window will statistically occur 1.0 times per month A 2 day or longer window will statistically occur 1.0 times per month A 3 day or longer window will statistically occur 1.0 times per month

Waves

Mean Height: 4 - 6 ft
The wave heights will occasionally reach 10 - 12 ft, but rarely higher.
Mean Period: 6 - 8 sec
The wave periods will occasionally reach 14 - 16 sec, but rarely longer.
Principle Direction, from: ENE
WindSea/Swell: 54% / 46%

Winds

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

Currents

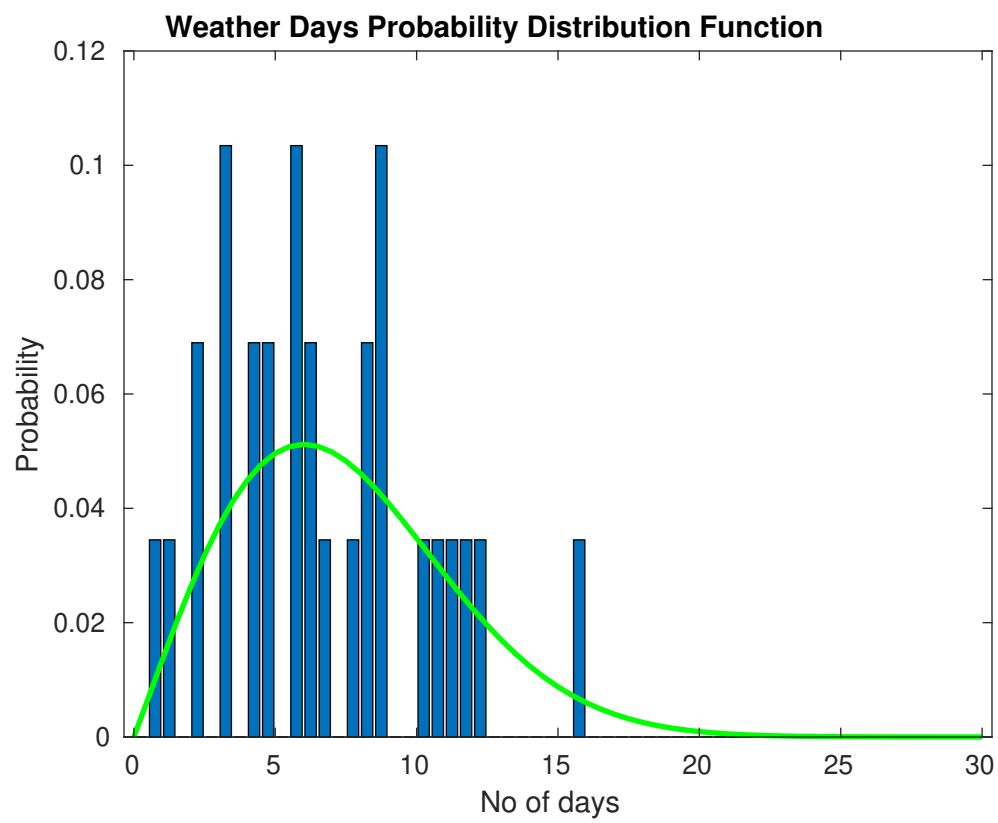
Mean Speed: 0.50-0.75 kts
The currents will occasionally reach 1.50-1.75 kts, but rarely greater.
Principle Direction, to: WNW

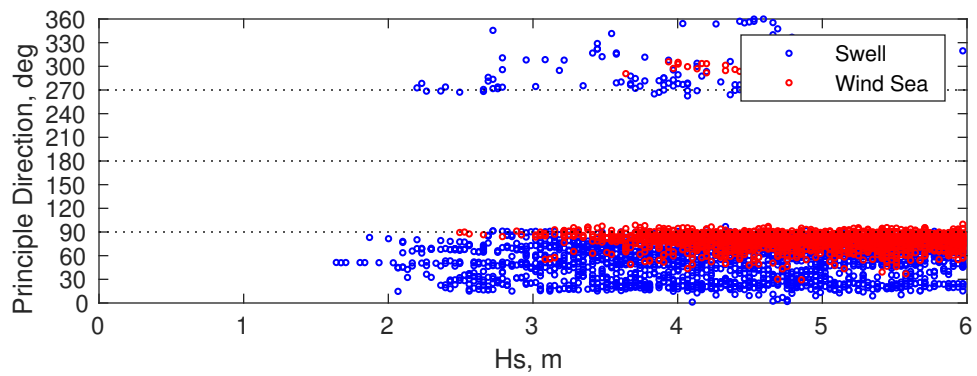
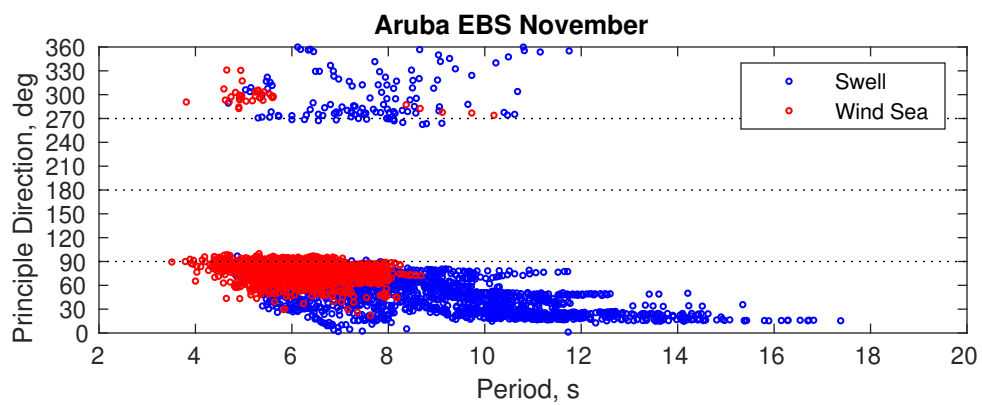
Weather Days

Current Speed > 1.0 knots Mean: 8.2 days Range: 2.7 - 13.7 days p50:10 days p75:4 days p90:2 days
Current Speed > 1.5 knots Mean: 1.5 days Range: 0.0 - 4.2 days p50:1 days p75:1 days p90:1 days
Current Speed > 2.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

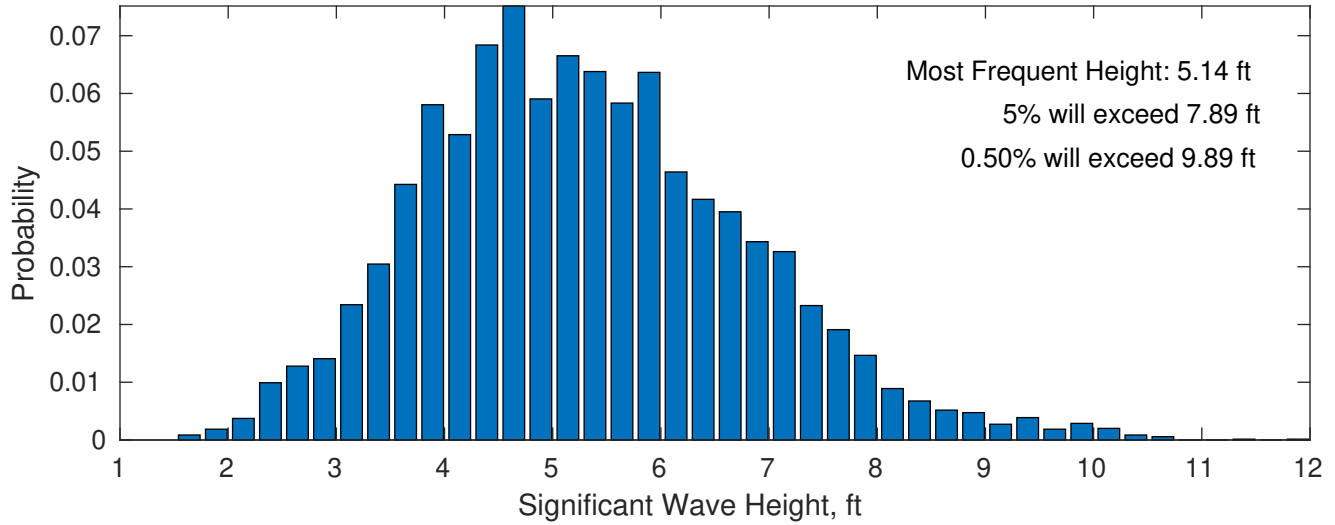
Severe Storms

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

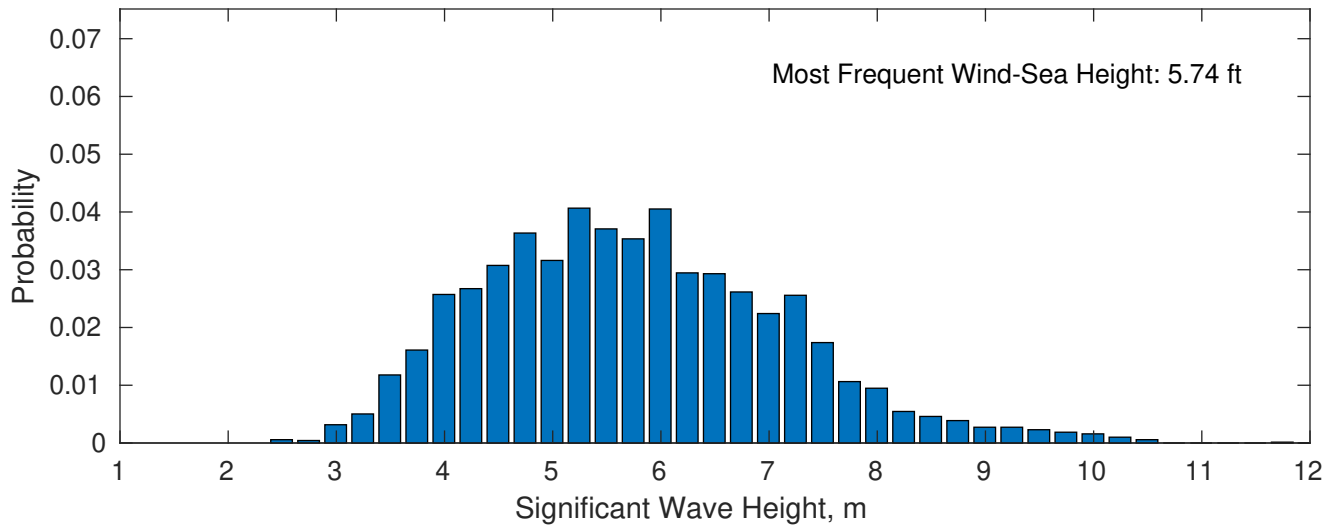




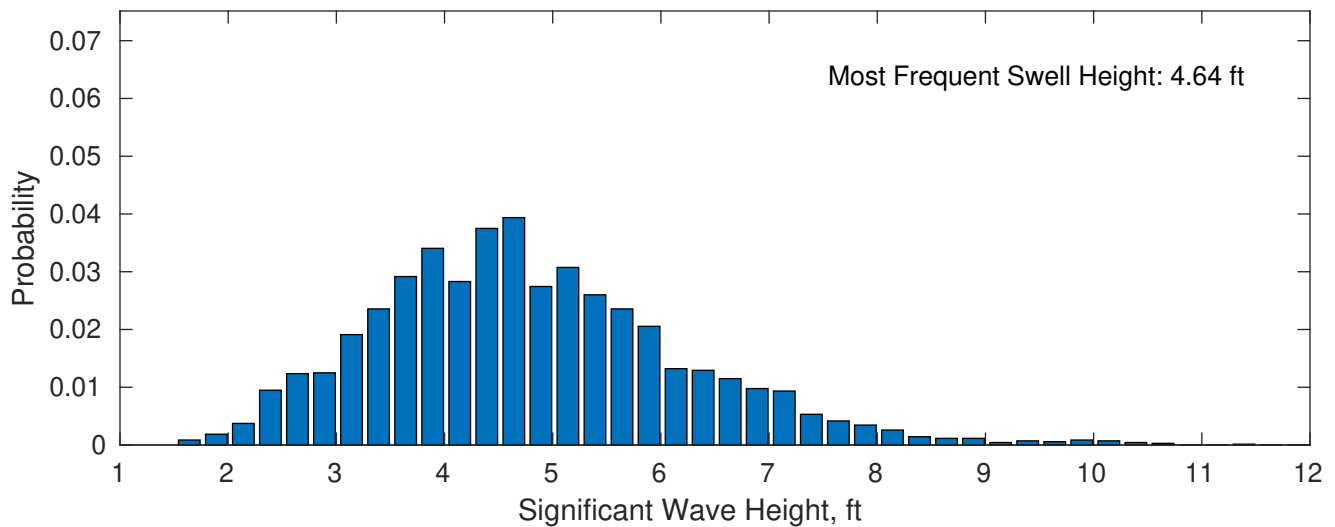
November Wave Height PDF: 1979 - 2015



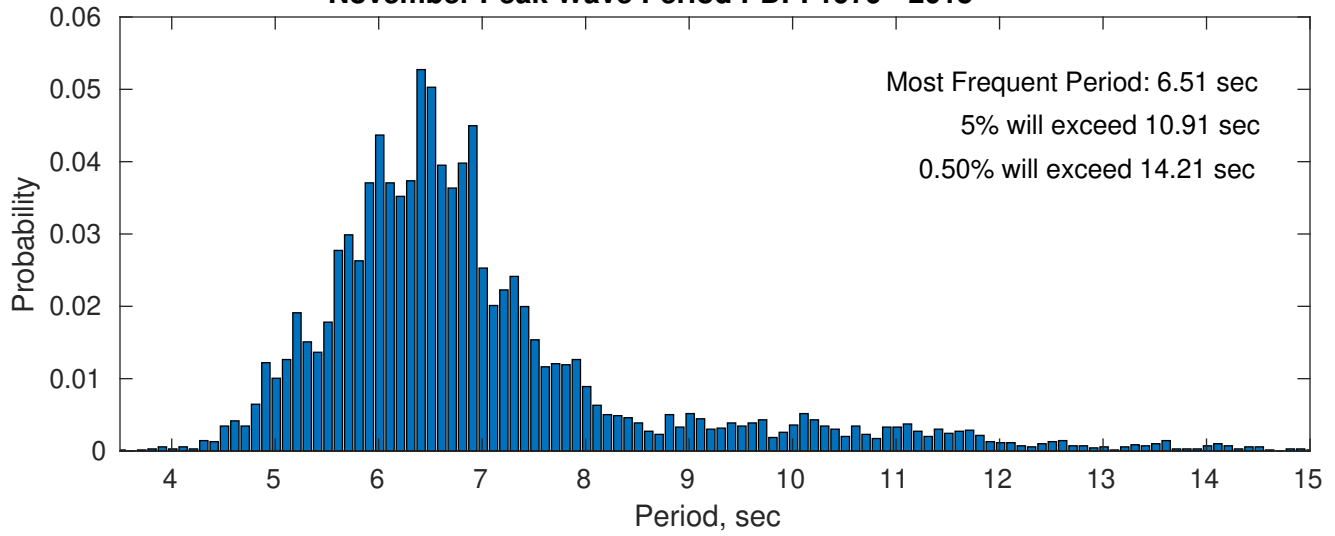
Wind-Sea: 53.95%



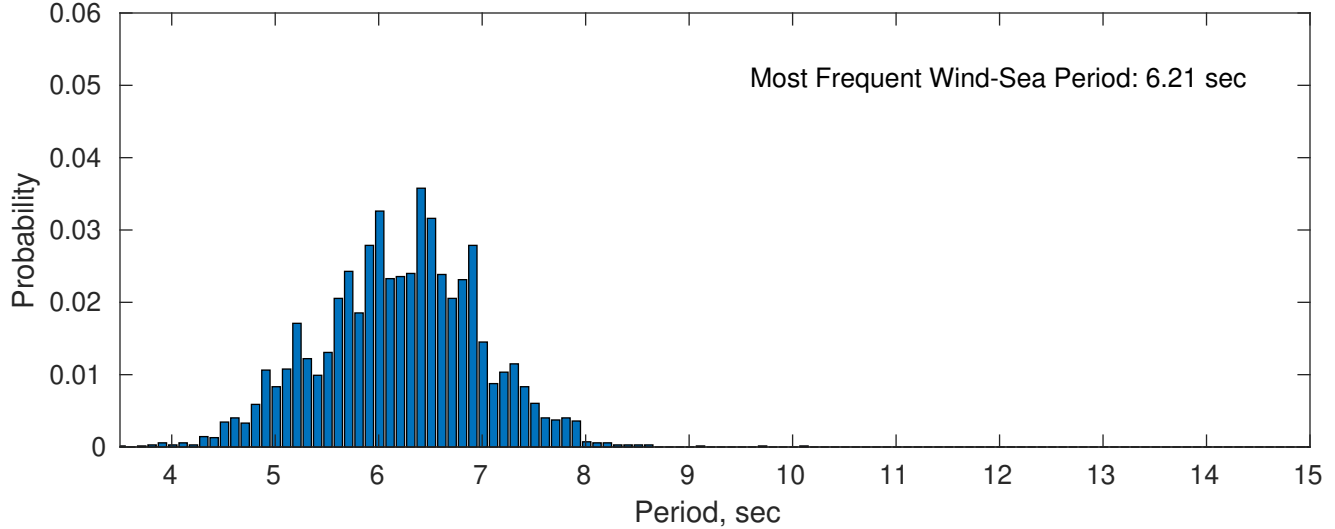
Swell: 46.05%



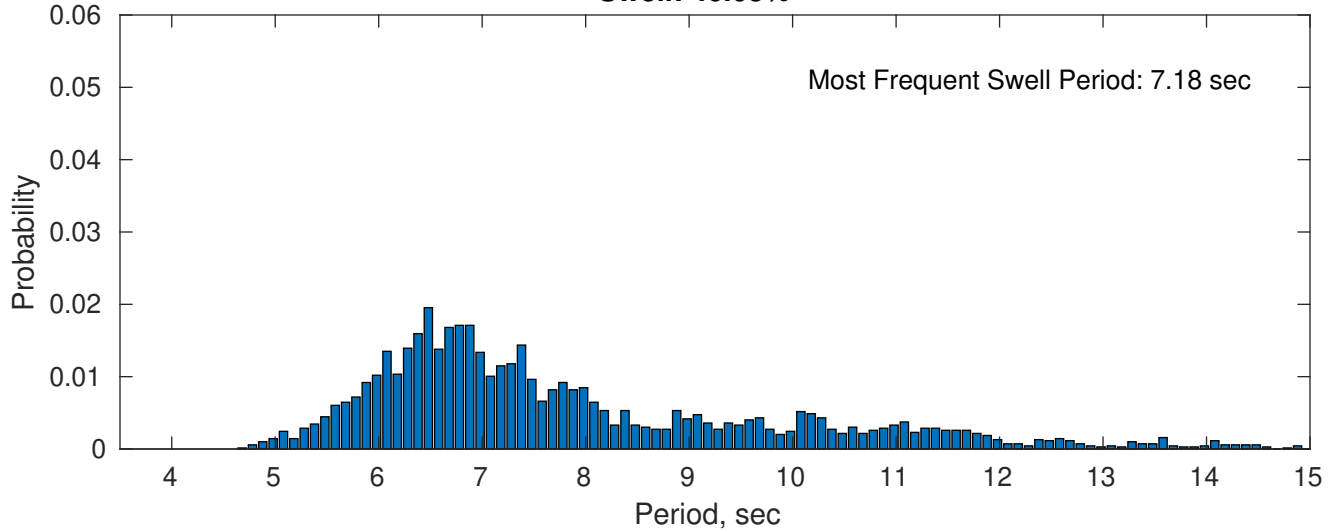
November Peak Wave Period PDF: 1979 - 2015



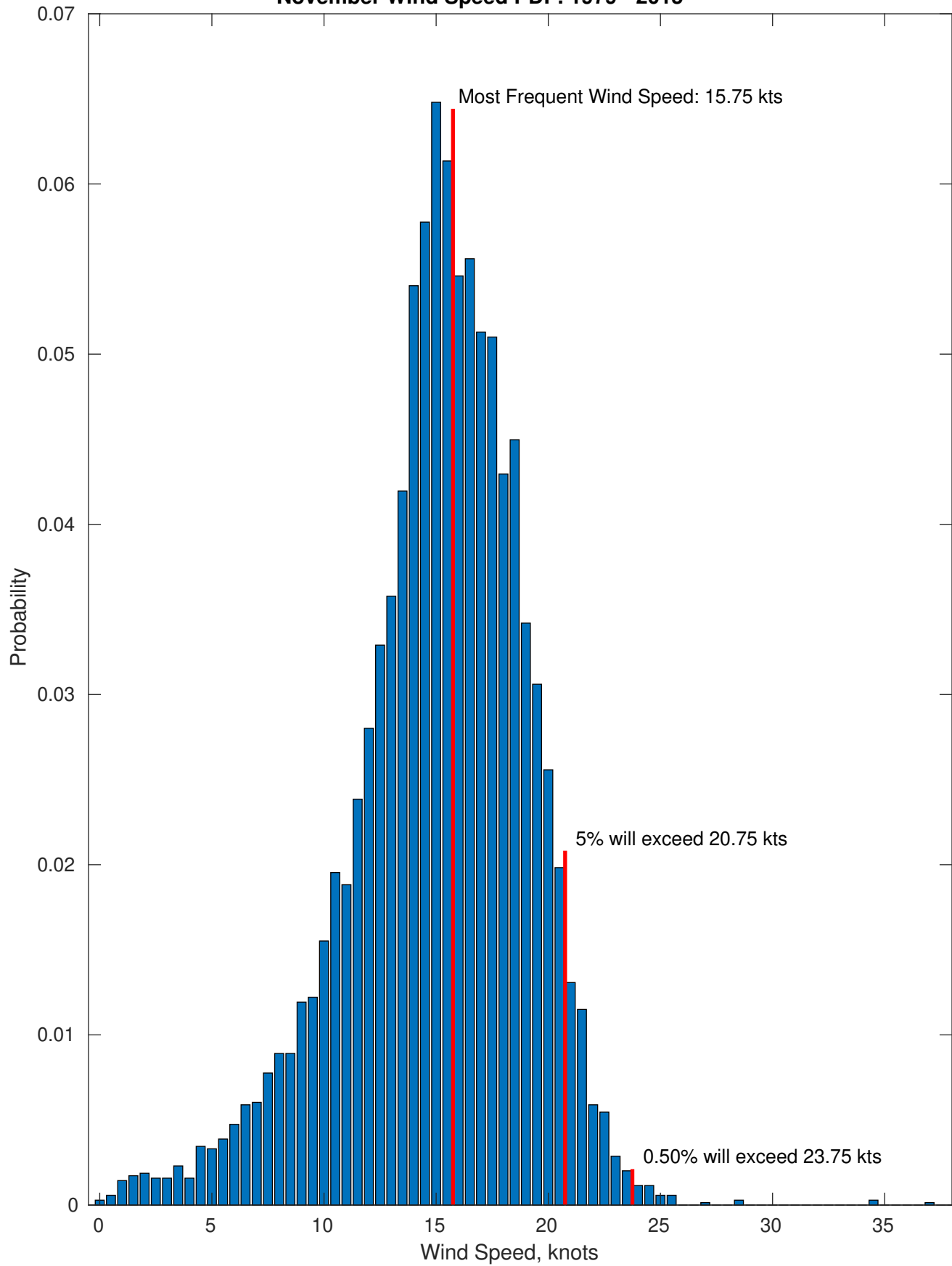
Wind-Sea: 53.95%



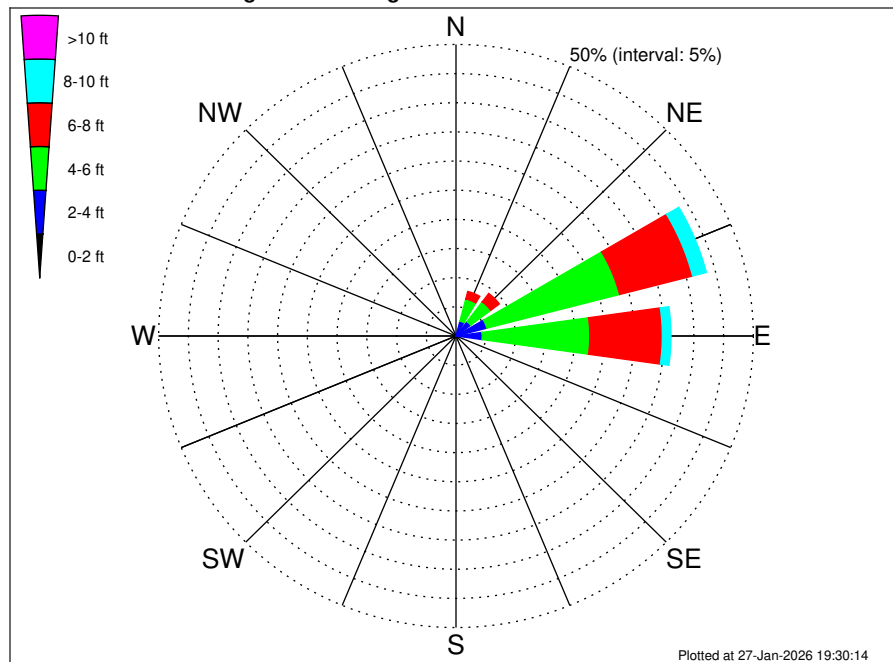
Swell: 46.05%



November Wind Speed PDF: 1979 - 2015



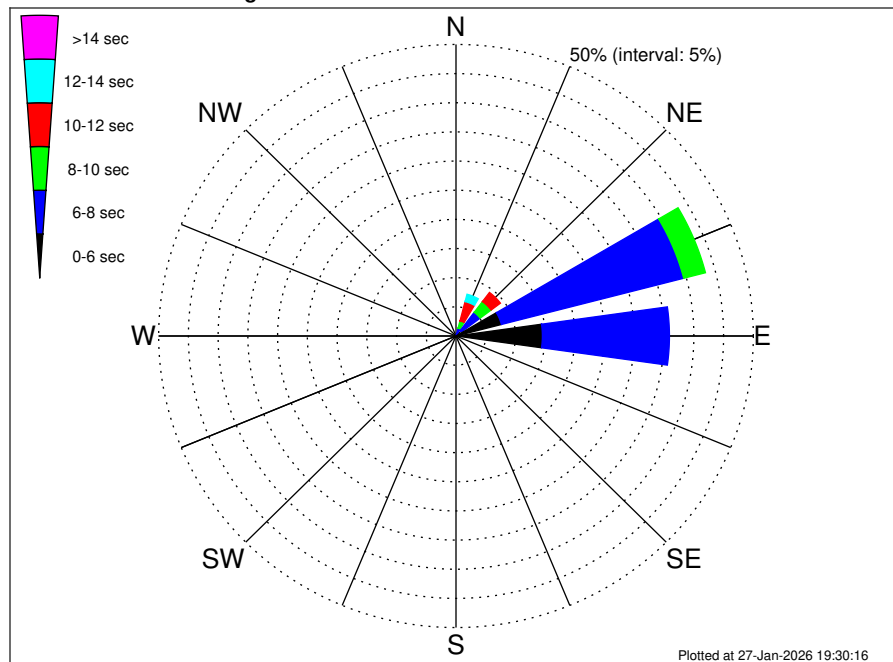
Aruba EBS Climatological WaveHeight Rose for November: 1979 - 2015



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	•	•	0.09	•	0.01	•	•	•	•	•	•	•	•	•	•	•	0.10
2 - 4 ft	•	2.64	3.00	5.36	4.40	•	•	•	•	•	•	•	0.37	0.22	0.19	0.04	16.22
4 - 6 ft	0.33	3.92	4.24	23.06	18.09	•	•	•	•	•	•	•	0.29	0.45	0.17	0.11	50.66
6 - 8 ft	•	1.32	1.81	12.69	12.20	•	•	•	•	•	•	•	•	•	0.04	0.03	28.09
8 - 10 ft	0.04	0.13	0.27	2.39	1.45	•	•	•	•	•	•	•	0.01	0.03	0.01	0.01	4.35
10 - 12 ft	•	•	0.24	0.13	0.10	•	•	•	•	•	•	•	0.01	0.03	•	•	0.52
12 - 14 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	0.03	•	•	•	0.03
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	0.03	•	•	•	0.03
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.37	8.02	9.66	43.62	36.25	•	•	•	•	•	•	•	0.75	0.72	0.42	0.20	100.00

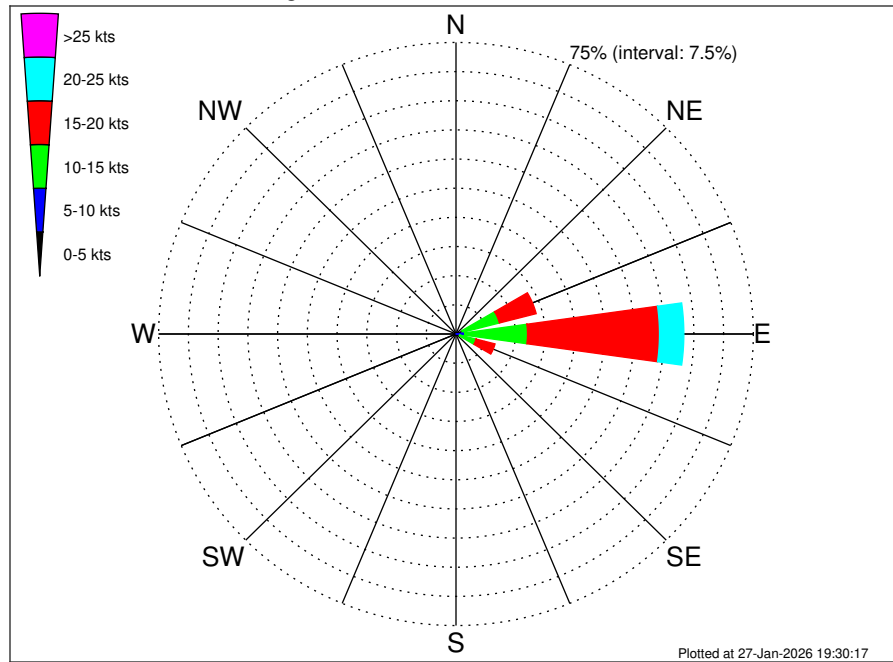
Aruba EBS Climatological WavePeriod Rose for November: 1979 - 2015



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	•	•	•	0.01	0.09	•	•	•	•	•	•	•	•	0.01	•	•	0.11
4 - 6 sec	•	0.13	1.15	7.87	14.44	•	•	•	•	•	•	•	0.11	0.39	0.17	0.03	24.30
6 - 8 sec	0.26	1.26	3.94	31.67	21.36	•	•	•	•	•	•	•	0.34	0.20	0.11	0.09	59.24
8 - 10 sec	0.04	1.28	2.31	3.78	0.34	•	•	•	•	•	•	•	0.23	0.11	0.11	0.06	8.28
10 - 12 sec	0.07	3.43	1.95	0.29	0.01	•	•	•	•	•	•	•	0.06	•	0.01	0.03	5.86
12 - 14 sec	•	1.29	0.24	•	•	•	•	•	•	•	•	•	•	•	•	•	1.54
14 - 16 sec	•	0.50	0.06	•	•	•	•	•	•	•	•	•	•	•	•	•	0.56
18 - 20 sec	•	0.11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.11
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.37	8.02	9.66	43.62	36.25	•	•	•	•	•	•	•	0.75	0.72	0.42	0.20	100.00

Aruba EBS Climatological Wind Rose for November: 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	•	0.09
0 - 5 kts	0.09	0.16	0.24	0.13	0.09	0.11	0.11	0.10	0.03	0.07	0.06	0.03	0.07	0.09	0.09	0.09	1.55
5 - 10 kts	0.17	0.39	0.52	1.59	2.10	0.85	0.30	0.10	0.07	0.10	0.04	0.07	0.24	0.33	0.30	0.17	7.36
10 - 15 kts	0.13	0.33	1.54	9.58	15.86	4.25	0.26	0.04	0.03	•	0.03	0.01	0.14	0.26	0.20	0.14	32.82
15 - 20 kts	•	0.07	0.52	9.58	33.29	4.94	0.26	•	•	•	•	•	0.27	0.16	0.01	0.03	49.14
20 - 25 kts	•	•	0.09	0.91	6.14	1.65	0.03	•	•	•	•	•	0.03	•	0.01	•	8.85
25 - 30 kts	•	•	•	•	0.06	0.04	•	•	•	0.03	•	0.01	•	•	•	0.01	0.16
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	0.01	•	0.01	•	•	•	0.03
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	0.01	•	•	•	•	0.01
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.39	0.95	2.90	21.80	57.53	11.87	0.98	0.24	0.16	0.20	0.14	0.16	0.78	0.83	0.63	0.45	100.00