

VNE 544 ECR2 Asbury Park NJ Shore Landing - July

Latitude: 40.23 N Longitude: 73.97 W

Weather Days

Wave Height > 4.0 ft Mean: 0.8 days Range: 0.0 - 1.7 days p50:0.5 days p75:0.5 days p90:0.5 days

Wave Height > 5.0 ft Mean: 0.2 days Range: 0.0 - 0.6 days p50:0.5 days p75:0.5 days p90:0.5 days

Wave Height > 6.0 ft Mean: 0.0 days Range: 0.0 - 0.2 days p50:0.5 days p75:0.5 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.0 days Range: 0.0 - 0.0 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 - 0.0 days p50:0.5 days p75:0.5 days p90:0.5 days

Wind Speed > 30.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window Probability

Wave Height < 4.0 ft 3 days or longer: 83%
 5 days or longer: 76%
 7 days or longer: 64%

Wave Height < 5.0 ft 3 days or longer: 89%
 5 days or longer: 89%
 7 days or longer: 85%

Wave Height < 6.0 ft 3 days or longer: 97%
 5 days or longer: 97%
 7 days or longer: 95%

Waves

Mean Height: 1 - 2 ft

The wave heights will occasionally reach 4 - 6 ft, but rarely higher.

Mean Period: 6 - 8 sec

The wave periods will occasionally reach 12 - 14 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 3% / 97%

Winds

Mean Speed: 5 - 10 kts

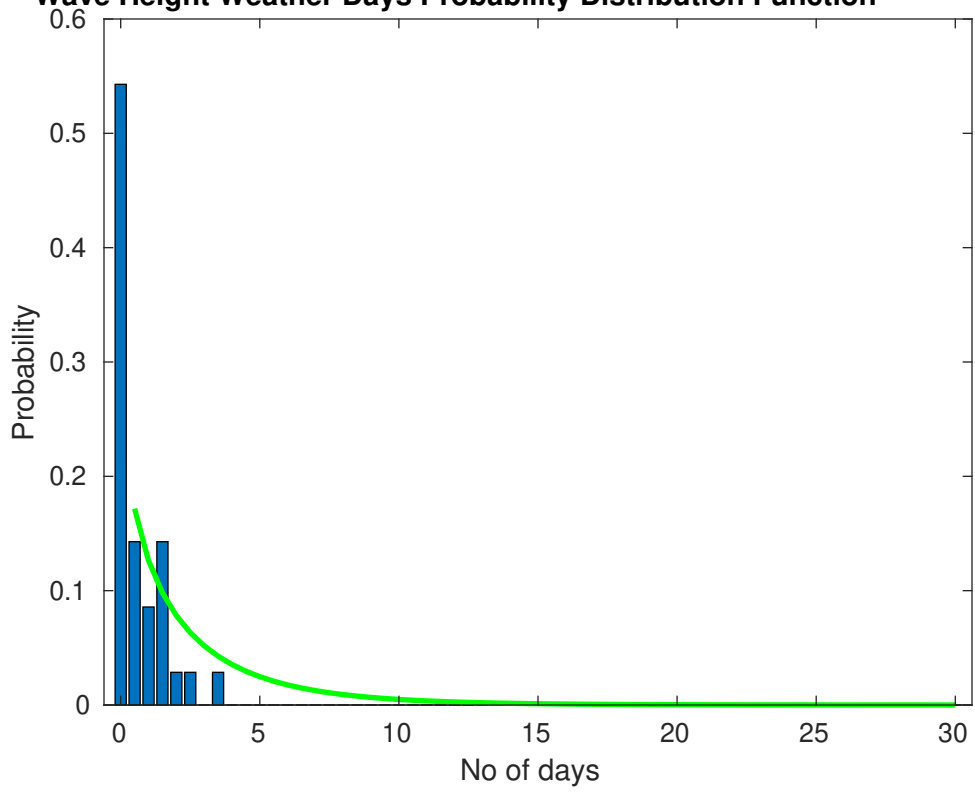
The winds will occasionally reach 15 - 20 kts, but rarely greater.

Principle Direction, from: SSW

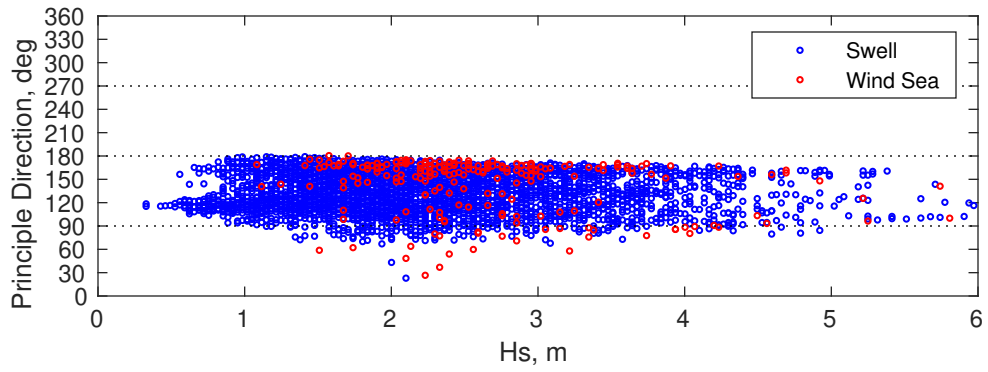
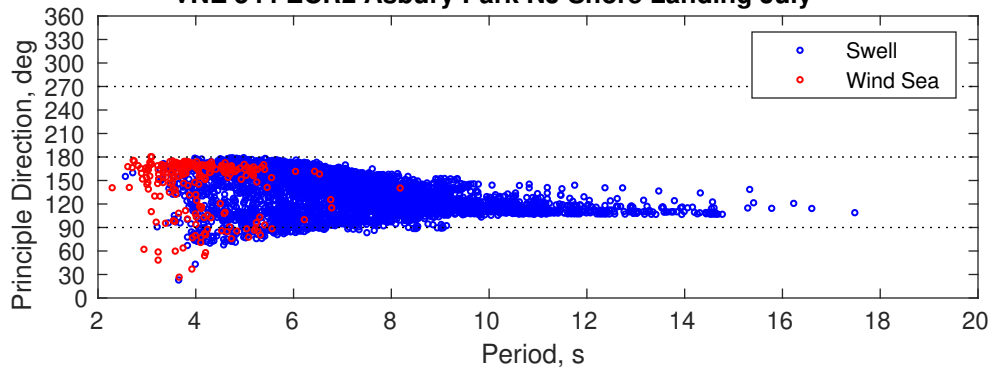
Severe Storms

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

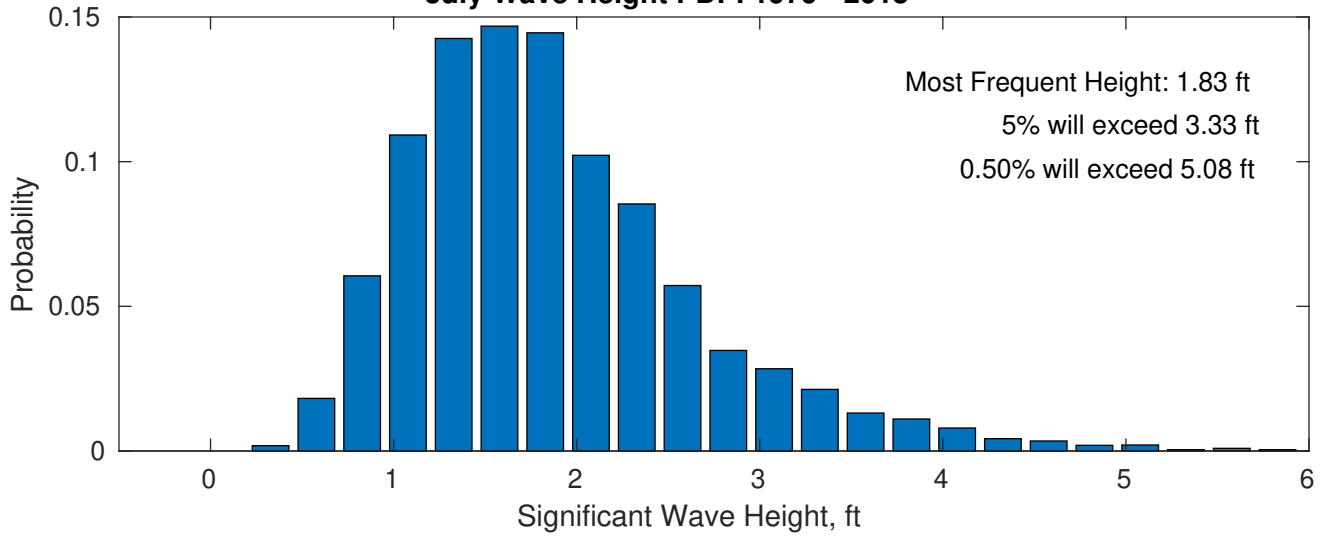
Wave Height Weather Days Probability Distribution Function



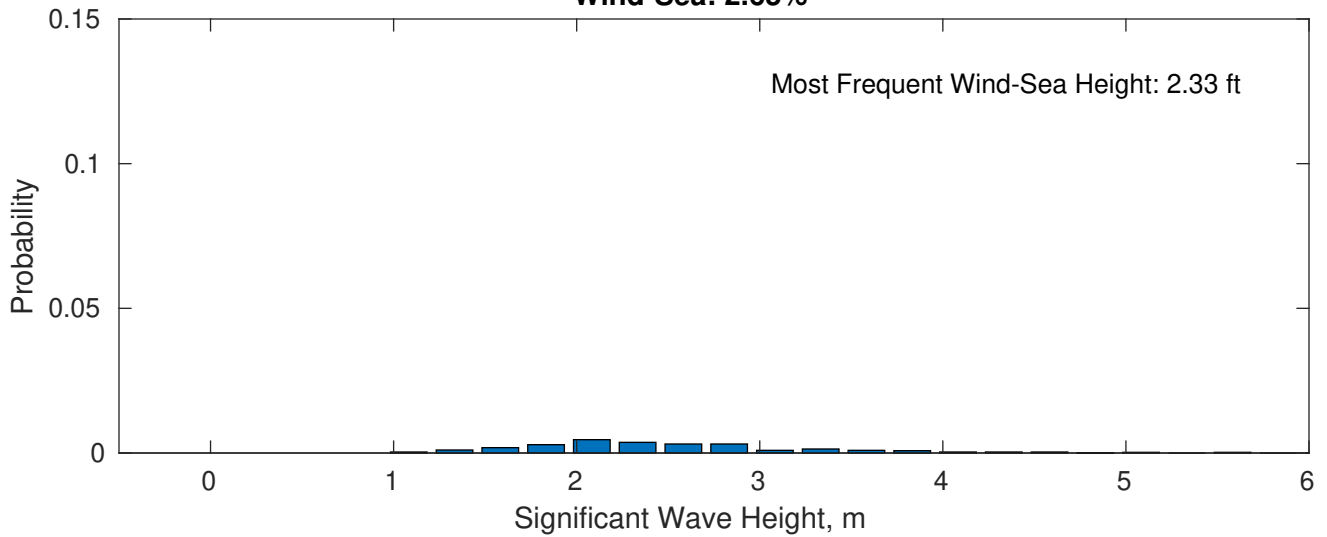
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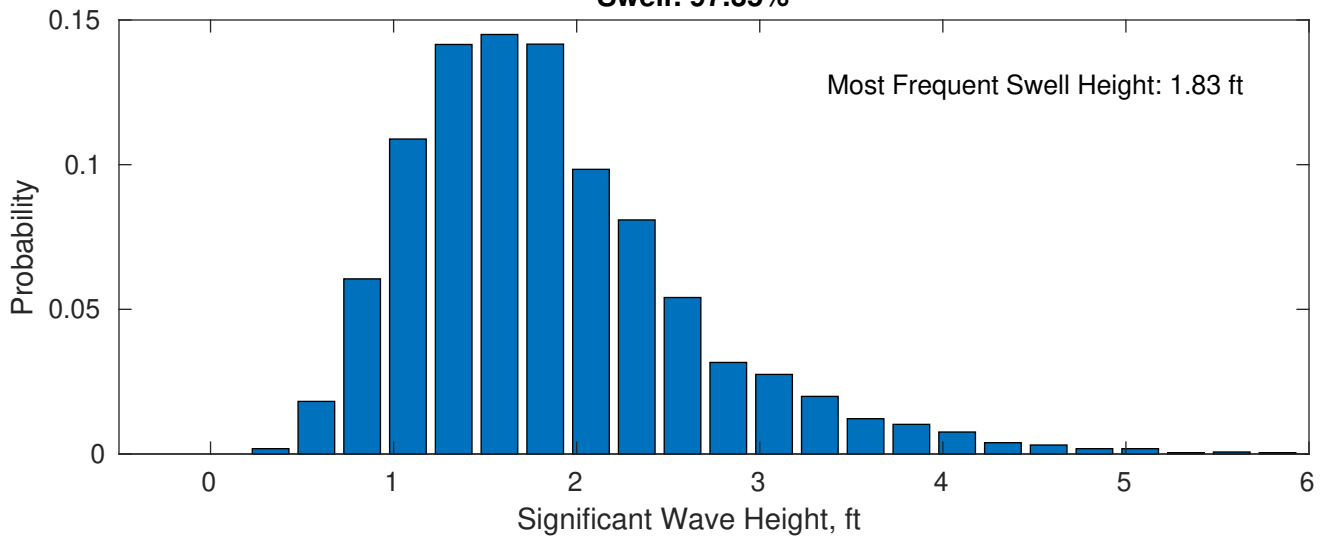
July Wave Height PDF: 1979 - 2015



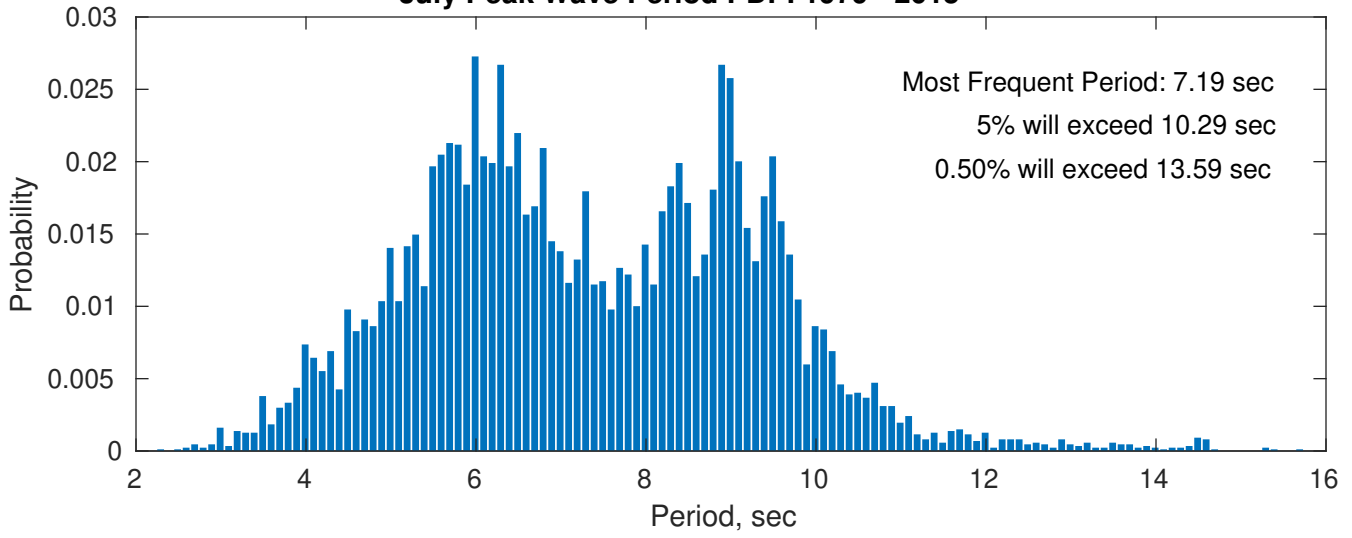
Wind-Sea: 2.65%



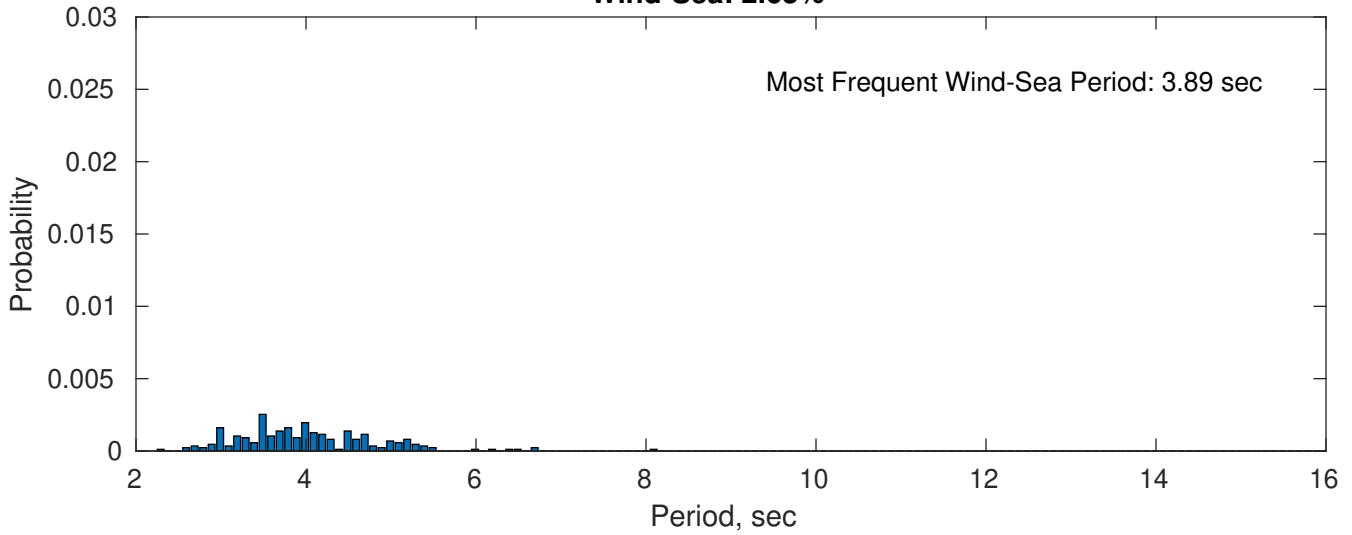
Swell: 97.35%



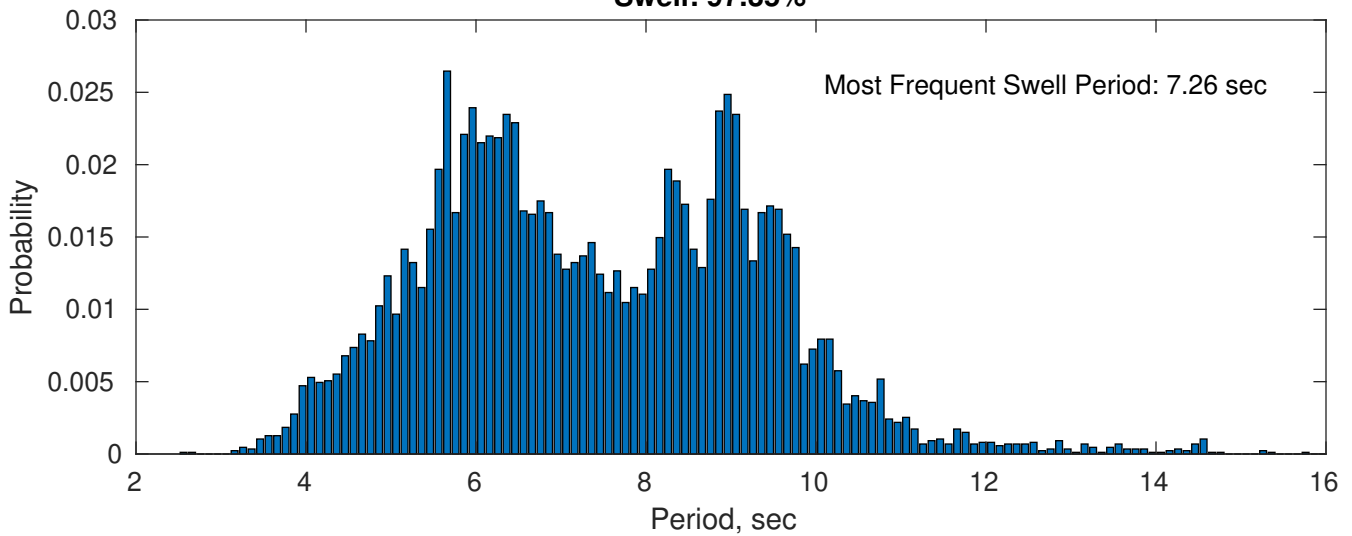
July Peak Wave Period PDF: 1979 - 2015



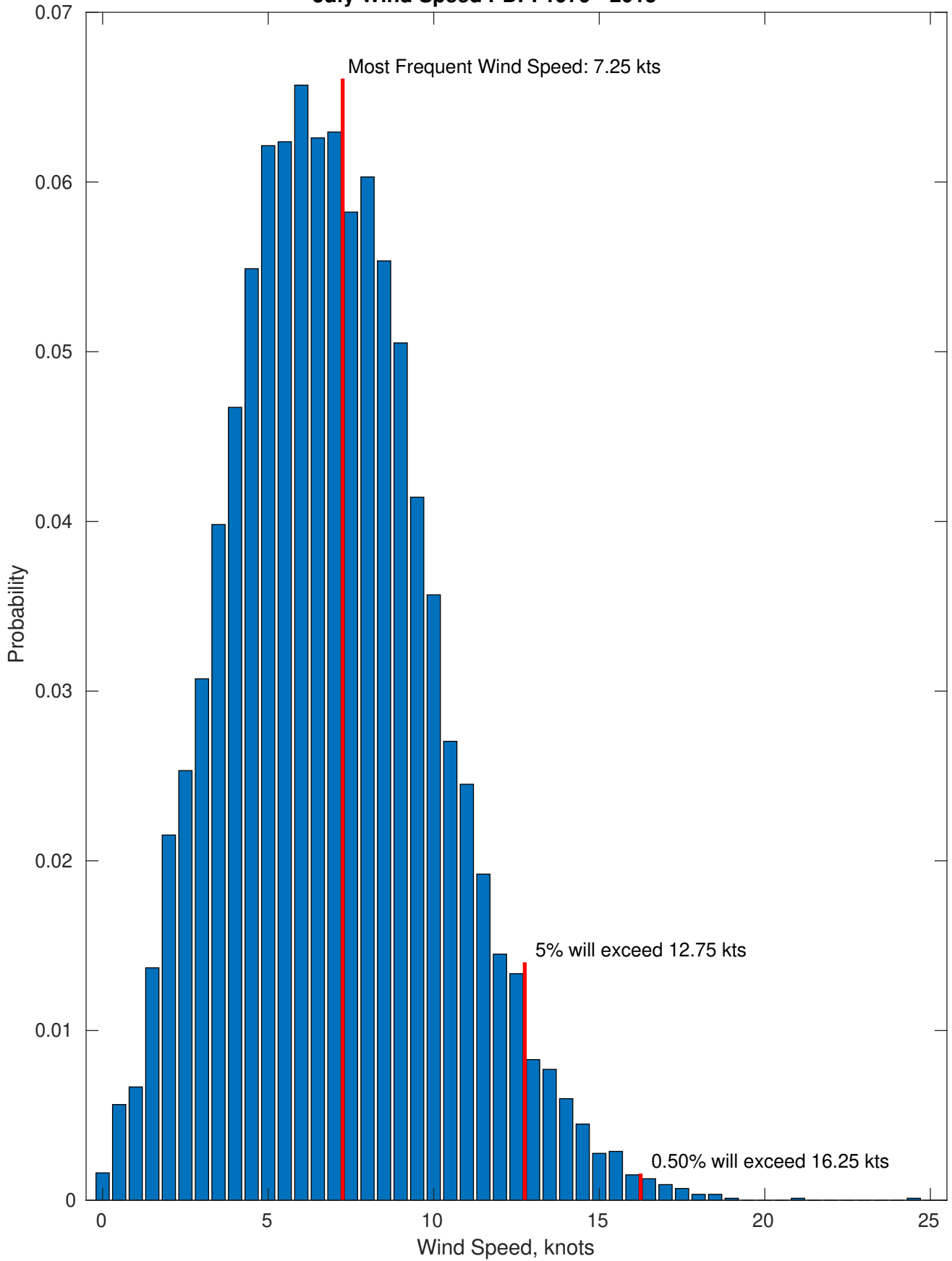
Wind-Sea: 2.65%



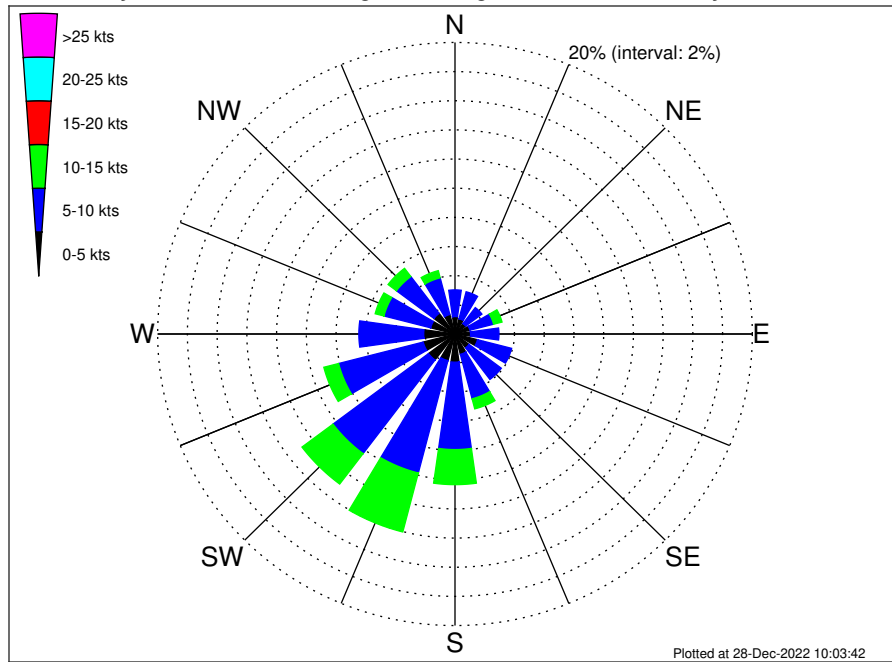
Swell: 97.35%



July Wind Speed PDF: 1979 - 2015



VNE 544 ECR2 Asbury Park NJ Shore Landing Climatological Wind Rose for July: 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	0.08	0.07	0.03	0.03	0.03	0.03	0.06	0.08	0.03	0.10	0.02	0.06	0.05	0.01	0.72
0 - 5 kts	1.19	1.07	0.82	0.97	1.01	1.53	1.15	1.40	1.88	1.81	2.20	2.11	2.08	1.63	1.73	1.37	23.94
5 - 10 kts	1.83	1.91	1.37	1.65	1.91	2.37	2.72	3.15	6.00	7.96	8.04	5.88	4.36	3.25	3.16	2.60	58.16
10 - 15 kts	0.33	0.44	0.44	0.59	0.49	0.32	0.24	0.71	2.41	4.18	2.61	1.02	0.47	0.61	0.70	0.51	16.08
15 - 20 kts	0.03	0.05	0.03	0.03	0.07	0.01	.	0.01	0.15	0.43	0.10	0.03	0.01	0.02	0.06	0.03	1.08
20 - 25 kts	.	.	.	.	.	.	0.02	.	.	.	.	.	.	.	.	.	0.02
25 - 30 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30 - 35 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35 - 40 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
40 - 45 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
45 - 50 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	3.39	3.48	2.74	3.30	3.52	4.27	4.17	5.32	10.48	14.45	12.99	9.15	6.95	5.57	5.70	4.52	100.00