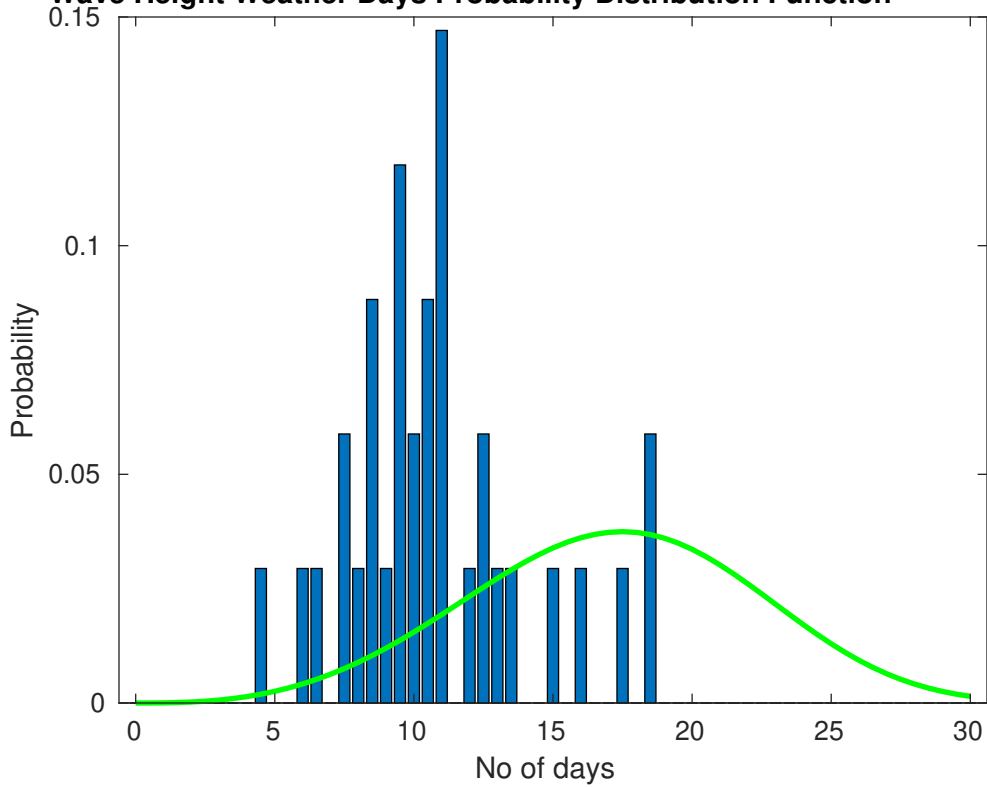
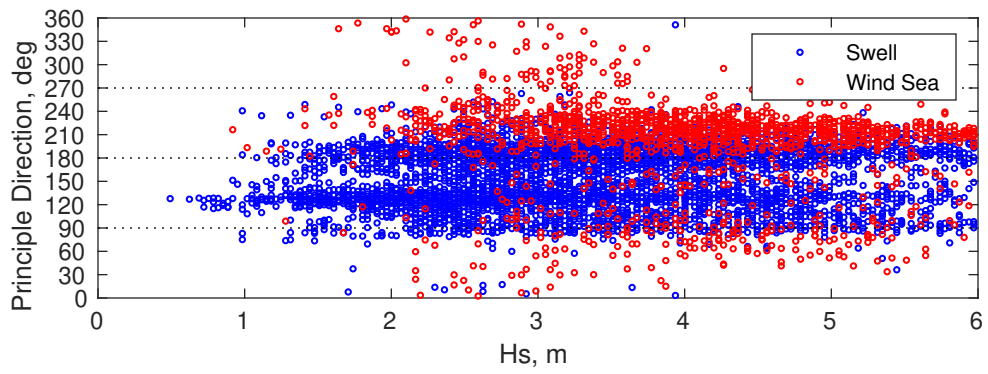
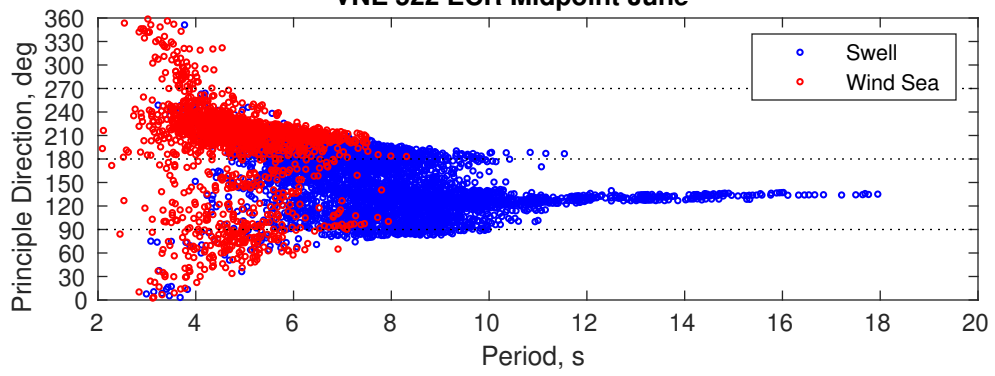




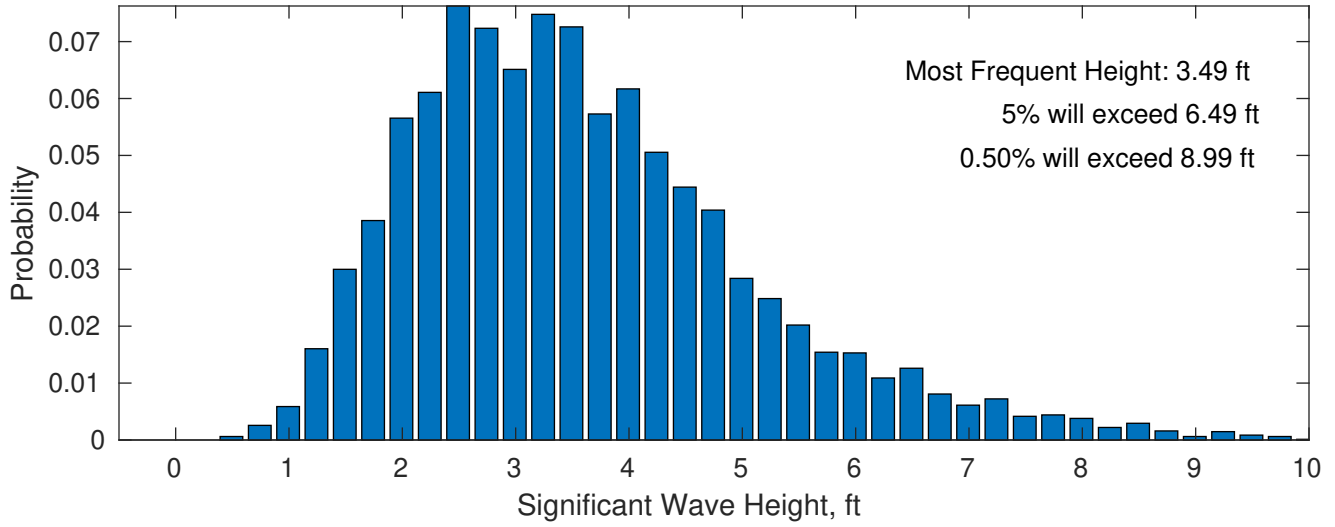
**Wave Height Weather Days Probability Distribution Function**



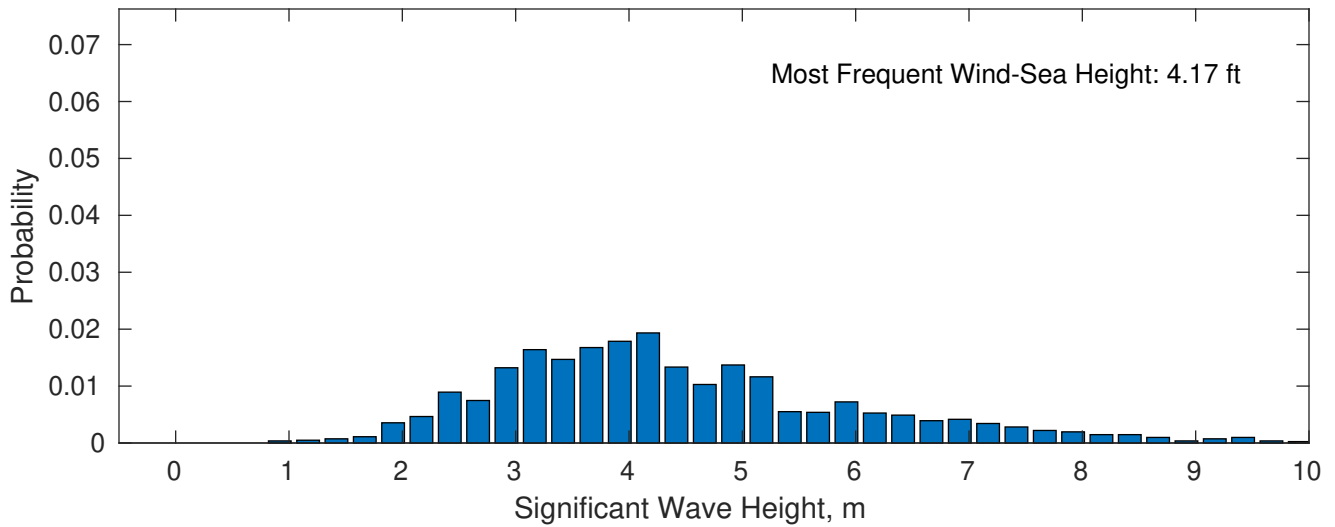
VNE 522 ECR Midpoint June



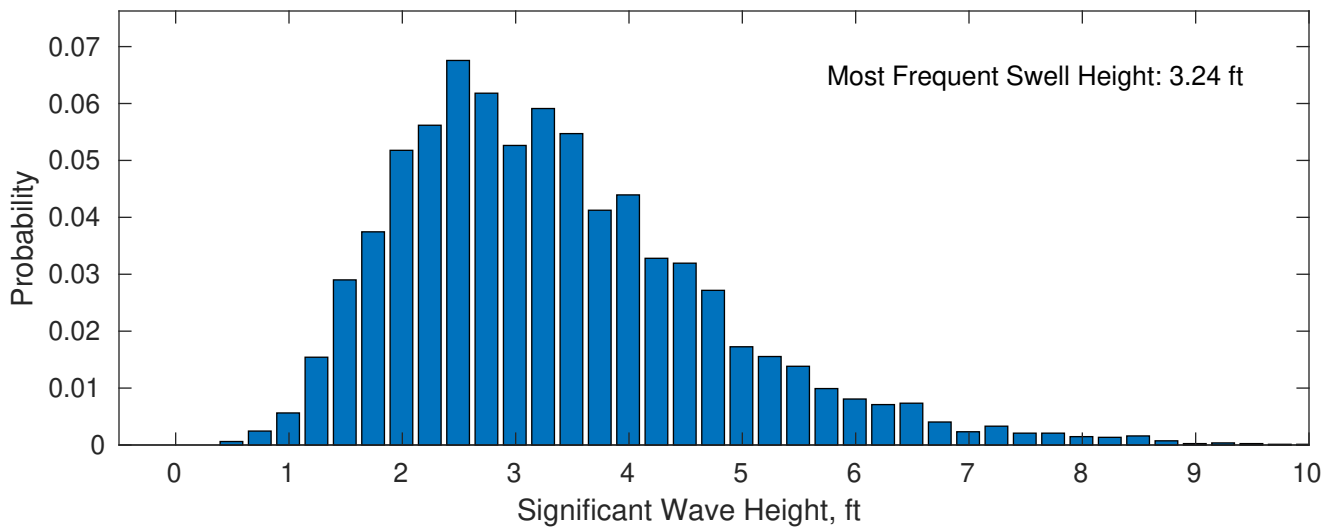
**June Wave Height PDF: 1979 - 2015**



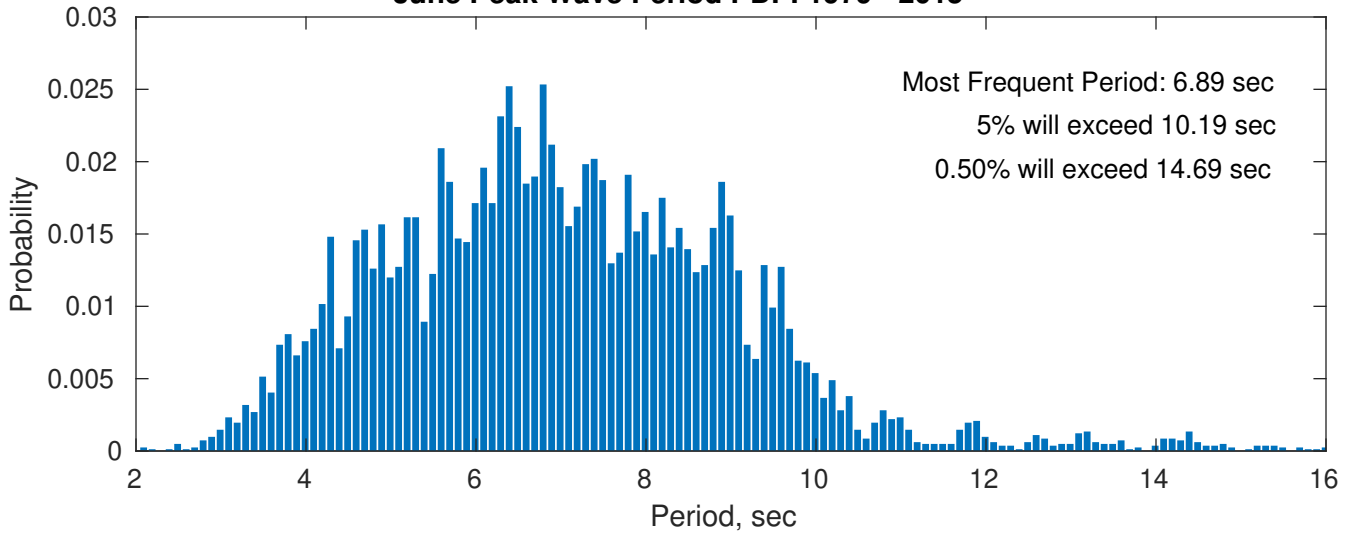
**Wind-Sea: 22.86%**



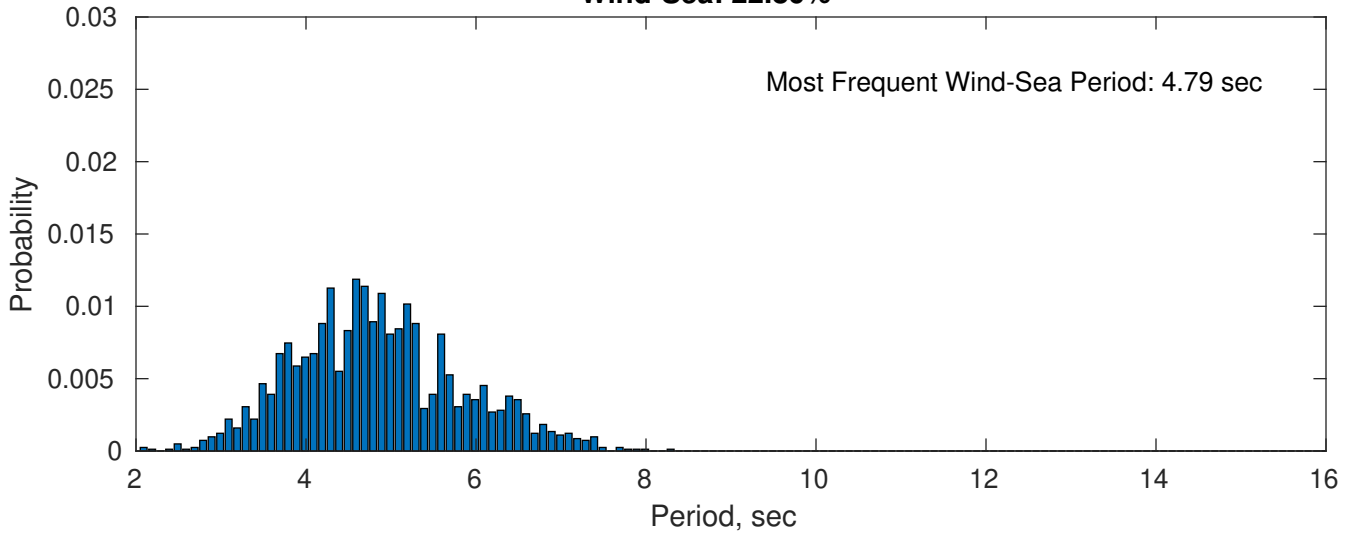
**Swell: 77.14%**



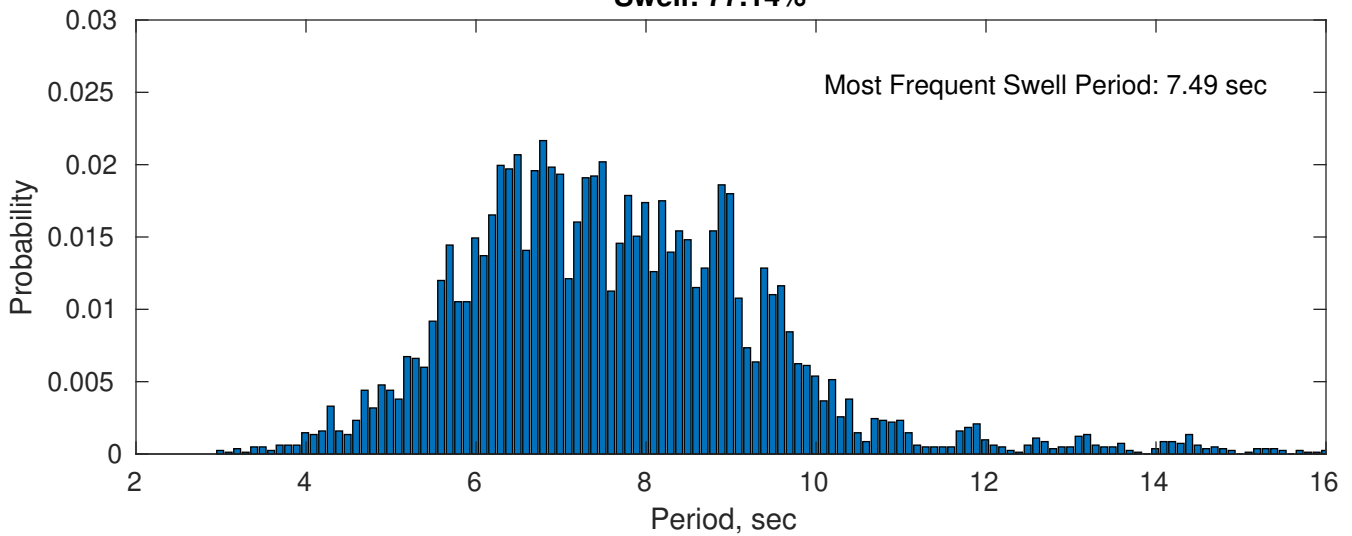
**June Peak Wave Period PDF: 1979 - 2015**



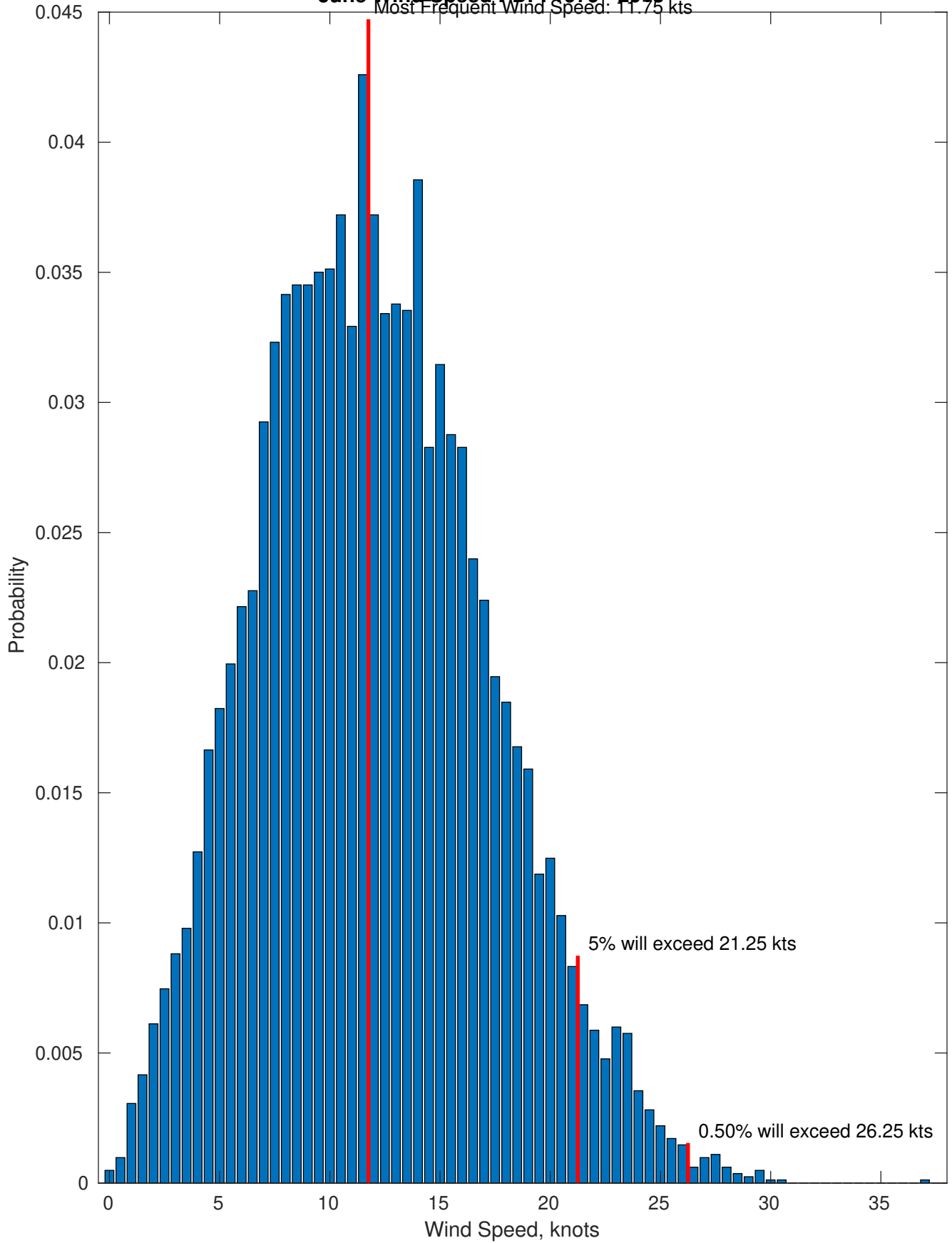
**Wind-Sea: 22.86%**



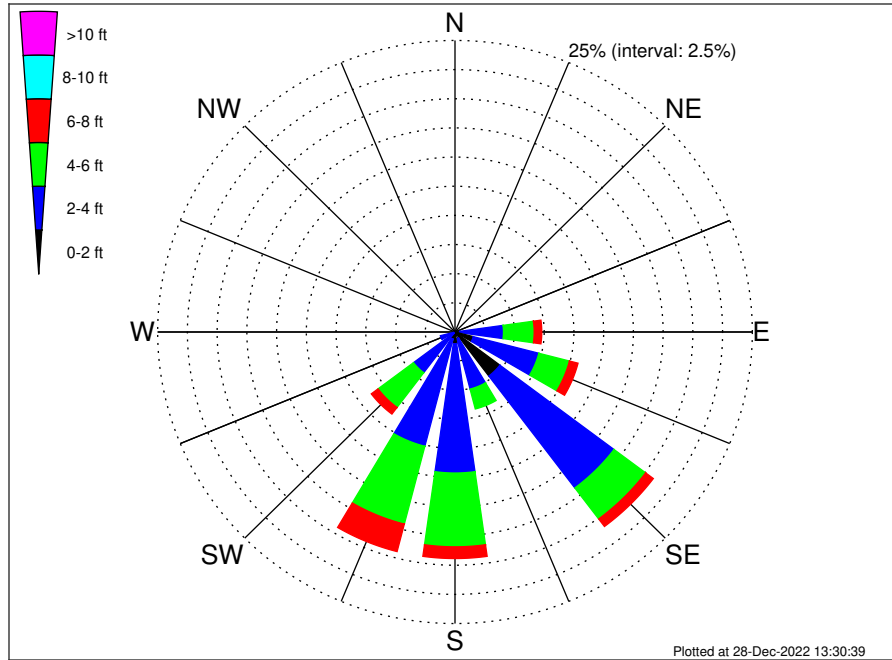
**Swell: 77.14%**



# June Wind Speed PDF: 1979 - 2015



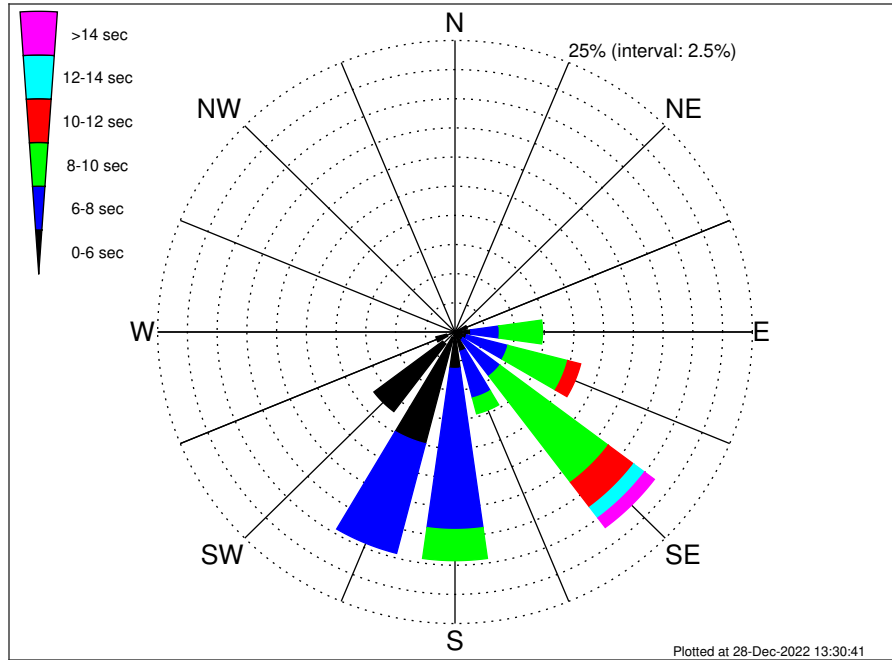
VNE 522 ECR Midpoint Climatological WaveHeight Rose for June: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total	
calm	•	•	•	0.01	0.01	0.12	0.12	0.01	•	0.01	0.01	•	•	•	•	0.32	
1 - 2 ft	0.02	•	0.01	0.05	0.40	1.47	4.60	0.58	0.99	0.64	0.13	0.11	0.01	•	•	0.02	9.05
2 - 4 ft	0.17	0.20	0.15	0.35	3.66	5.69	12.02	4.47	11.09	9.49	4.22	1.15	0.28	0.33	0.16	0.17	53.60
4 - 6 ft	•	•	0.23	0.59	2.58	2.66	3.33	1.76	6.33	6.89	3.73	0.38	0.05	0.02	0.04	•	28.59
6 - 8 ft	•	•	0.01	0.12	0.64	0.75	0.81	0.39	1.00	2.44	0.71	0.01	•	•	•	•	6.88
8 - 10 ft	•	•	•	0.04	0.15	0.22	0.07	0.06	0.26	0.50	0.11	•	•	•	•	•	1.41
10 - 12 ft	•	•	•	•	0.02	0.01	0.04	•	0.02	0.04	•	•	•	•	•	•	0.13
12 - 14 ft	•	•	•	•	•	•	•	•	0.02	•	•	•	•	•	•	•	0.02
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.20	0.20	0.40	1.16	7.47	10.92	20.99	7.27	19.73	19.99	8.92	1.66	0.34	0.35	0.20	0.20	100.00

VNE 522 ECR Midpoint Climatological WavePeriod Rose for June: 1979 - 2015

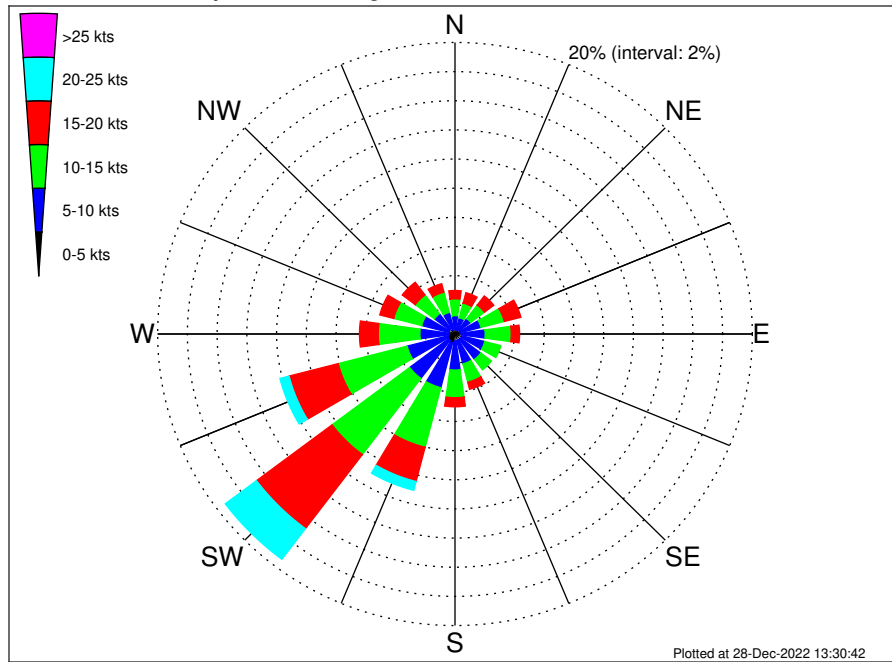


Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1 - 2 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 sec	0.20	0.17	0.11	0.18	0.13	0.16	0.09	0.06	0.23	0.50	1.30	0.73	0.18	0.32	0.16	0.20	4.72
4 - 6 sec	•	0.02	0.29	0.88	1.20	0.86	0.76	1.65	2.90	9.40	7.25	0.93	0.16	0.04	0.04	•	26.38
6 - 8 sec	•	•	•	0.10	2.40	3.59	3.89	4.14	13.81	9.71	0.38	•	•	•	•	•	38.00
8 - 10 sec	•	•	•	•	3.62	5.19	11.41	1.40	2.67	0.38	•	•	•	•	•	•	24.66
10 - 12 sec	•	•	•	•	0.11	1.13	2.67	0.02	0.12	•	•	•	•	•	•	•	4.05
12 - 14 sec	•	•	•	•	•	•	1.15	•	•	•	•	•	•	•	•	•	1.15
14 - 16 sec	•	•	•	•	•	•	0.83	•	•	•	•	•	•	•	•	•	0.83
18 - 20 sec	•	•	•	•	•	•	0.20	•	•	•	•	•	•	•	•	•	0.20
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.20	0.20	0.40	1.16	7.47	10.92	20.99	7.27	19.73	19.99	8.92	1.66	0.34	0.35	0.20	0.20	100.00



VNE 522 ECR Midpoint Climatological Wind Rose for June: 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	•	0.04	0.02	0.04	•	0.01	•	•	•	•	0.02	•	•	0.15
0 - 5 kts	0.37	0.28	0.34	0.37	0.39	0.48	0.45	0.45	0.47	0.64	0.55	0.50	0.44	0.40	0.45	0.29	6.88
5 - 10 kts	0.89	0.87	0.97	1.44	1.60	1.57	1.69	1.66	2.00	3.17	3.27	2.83	1.92	1.88	1.29	1.24	28.29
10 - 15 kts	1.15	1.04	1.16	1.62	1.75	1.11	0.89	1.30	1.90	4.22	6.54	4.79	2.80	1.95	1.62	1.43	35.26
15 - 20 kts	0.58	0.73	0.78	1.15	0.56	0.38	0.31	0.50	0.62	2.42	6.36	3.41	1.26	0.97	1.09	0.60	21.74
20 - 25 kts	0.21	0.45	0.31	0.38	0.22	0.20	0.13	0.15	0.11	0.62	2.63	0.64	0.12	0.21	0.20	0.10	6.67
25 - 30 kts	0.04	0.11	0.13	0.05	0.07	0.01	0.01	•	0.02	0.13	0.21	0.06	0.01	0.01	0.04	0.06	0.98
30 - 35 kts	•	•	•	•	0.01	•	•	•	•	0.01	•	•	•	•	•	•	0.02
35 - 40 kts	•	•	0.01	•	•	•	•	•	•	•	•	•	•	•	•	•	0.01
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	3.23	3.49	3.72	5.01	4.65	3.77	3.53	4.06	5.13	11.22	19.56	12.23	6.56	5.45	4.68	3.72	100.00