

OCS-A 0538 - February

Latitude: 39.71 N Longitude: 73.16 W

Weather Days

Wave Height > 3.0 ft Mean: 23.4 days Range: 21.4 - 25.4 days p10:26 days p50:24.5 days p90:21 days

Wave Height > 4.0 ft Mean: 18.4 days Range: 15.4 - 21.3 days p10:22.5 days p50:19 days p90:14.5 days

Wave Height > 5.0 ft Mean: 13.4 days Range: 10.1 - 16.7 days p10:18.5 days p50:13.5 days p90:9 days

Wind Speed > 20.0 knots Mean: 10.7 days Range: 8.2 - 13.2 days p10:15 days p50:10.5 days p90:8.5 days

Wind Speed > 25.0 knots Mean: 4.9 days Range: 3.1 - 6.7 days p10:7.5 days p50:5 days p90:3 days

Wind Speed > 30.0 knots Mean: 1.5 days Range: 0.5 - 2.5 days p10:3 days p50:1.5 days p90:0.5 days

Working Window Probability

Wave Height < 3.0 ft 3 days or longer: 4%
 5 days or longer: 0%
 7 days or longer: 0%

Wave Height < 4.0 ft 3 days or longer: 14%
 5 days or longer: 0%
 7 days or longer: 0%

Wave Height < 5.0 ft 3 days or longer: 29%
 5 days or longer: 3%
 7 days or longer: 1%

Waves

Mean Height: 4 - 6 ft

The wave heights will occasionally reach 12 - 14 ft, but rarely higher.

Mean Period: 4 - 6 sec

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

Principle Direction, from: E

WindSea/Swell: 48% / 52%

Winds

Mean Speed: 15 - 20 kts

The winds will occasionally reach 35 - 40 kts, but rarely greater.

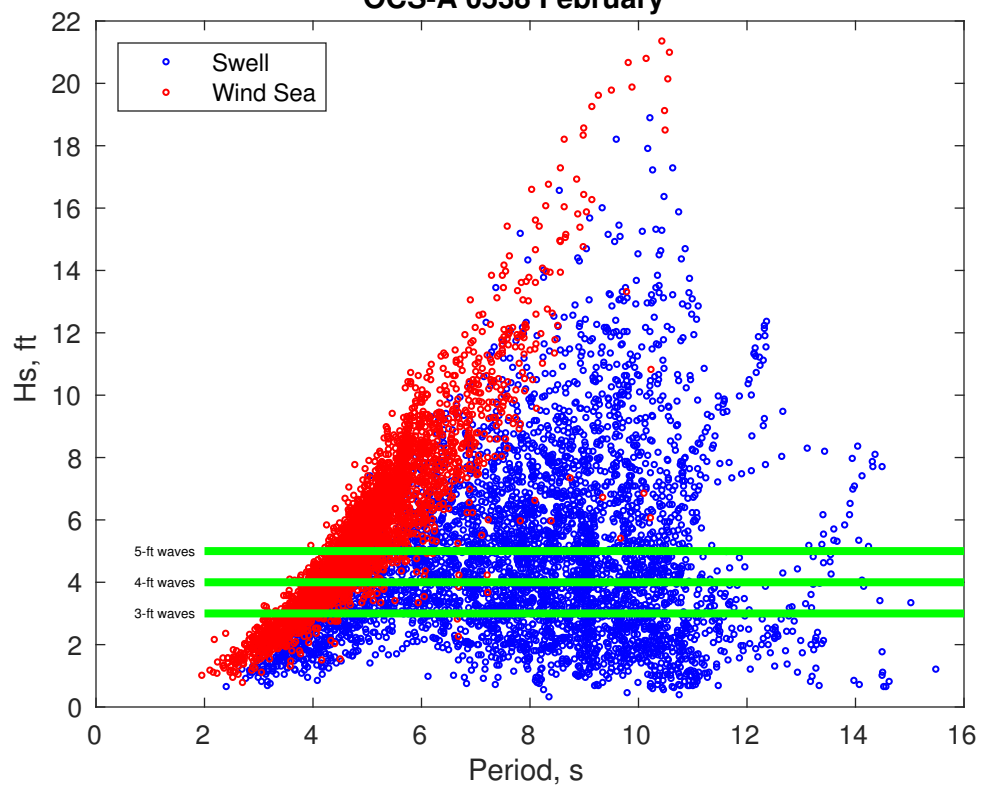
Principle Direction, from: NW

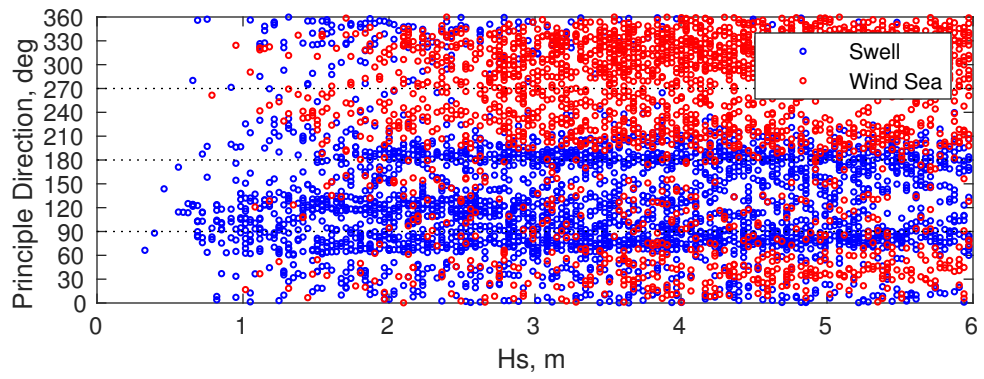
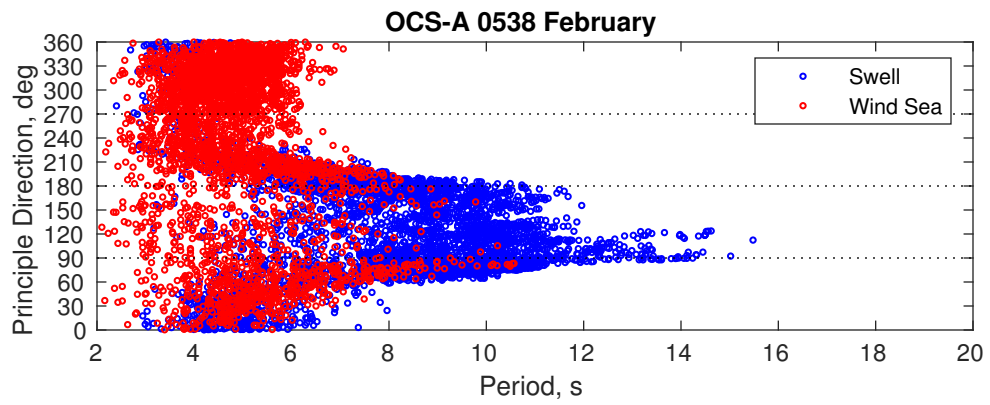
Severe Storms

There is a 63 % chance of a storm occurring in the month with winds peaking above 34 kts.

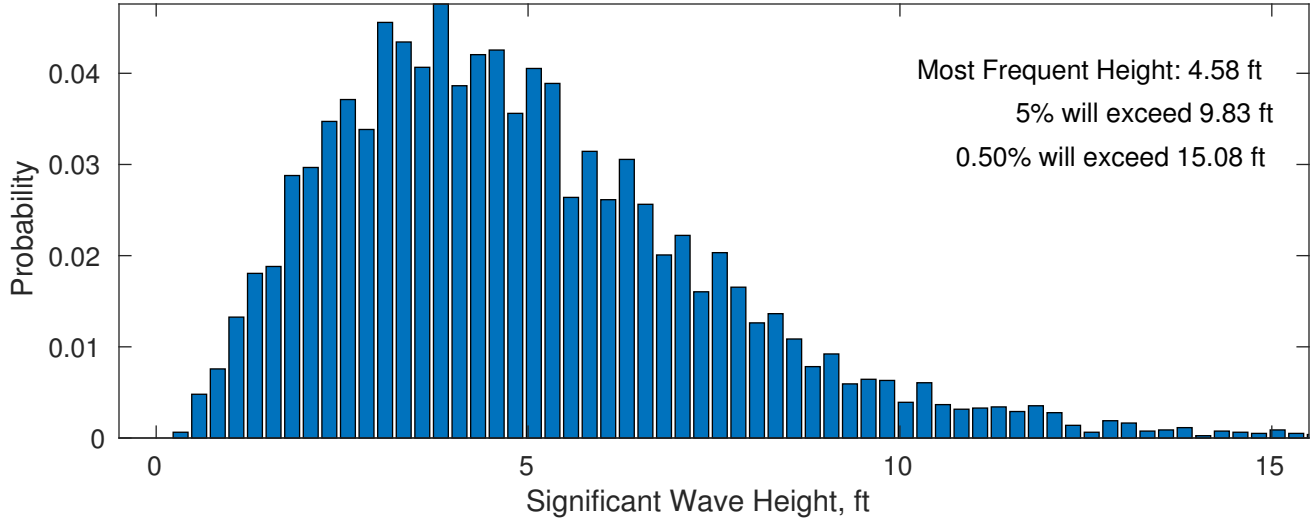
There is a 51 % chance of a storm occurring in the month with waves peaking at 4m (13 ft) or greater.

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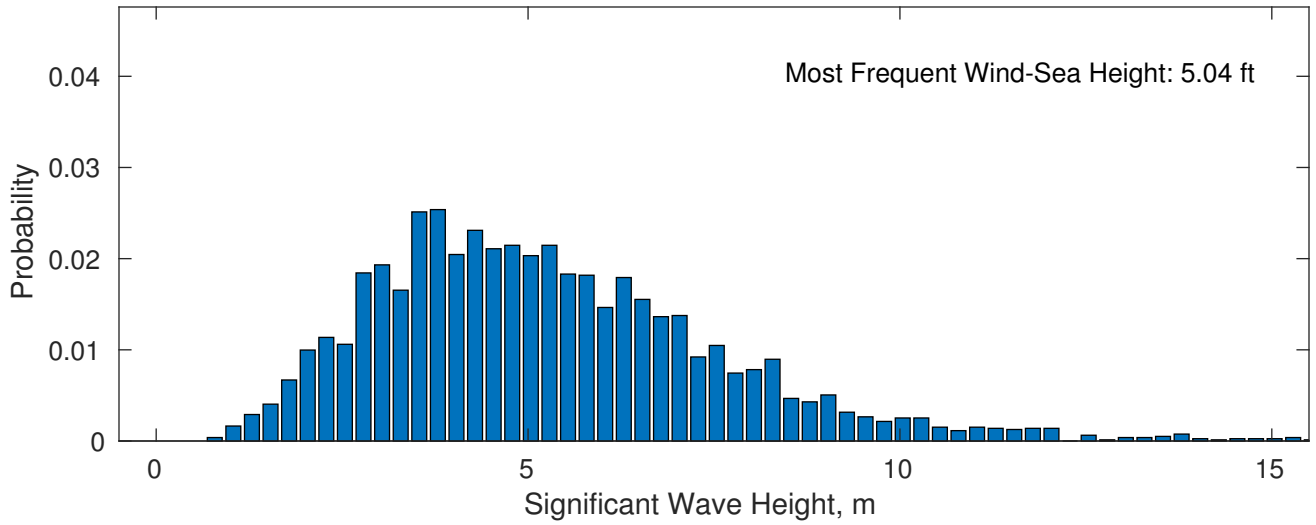




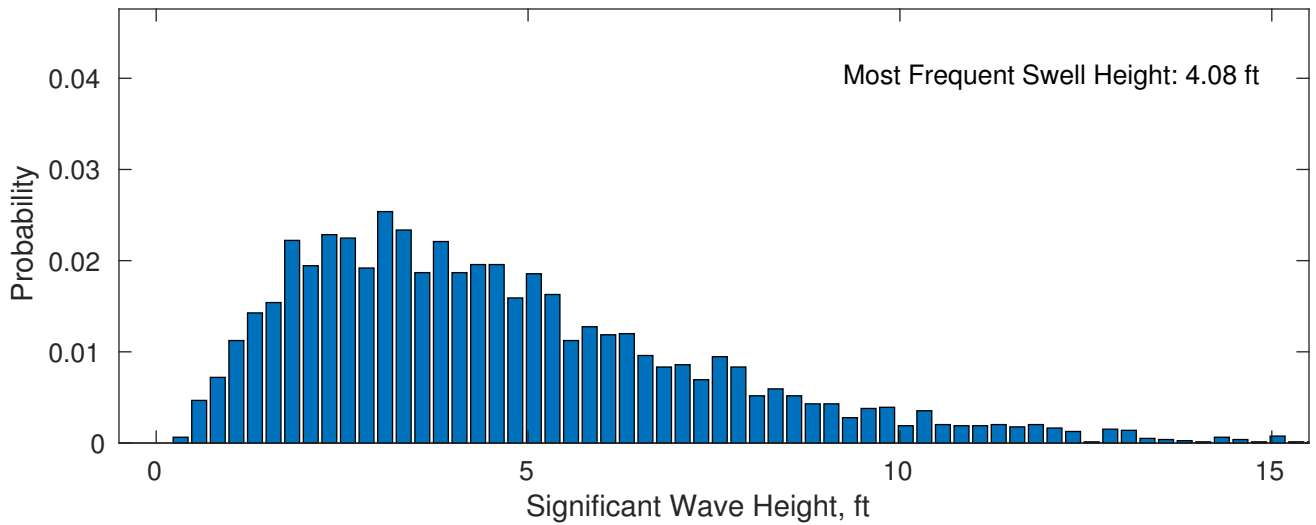
February Wave Height PDF: 1979 - 2015



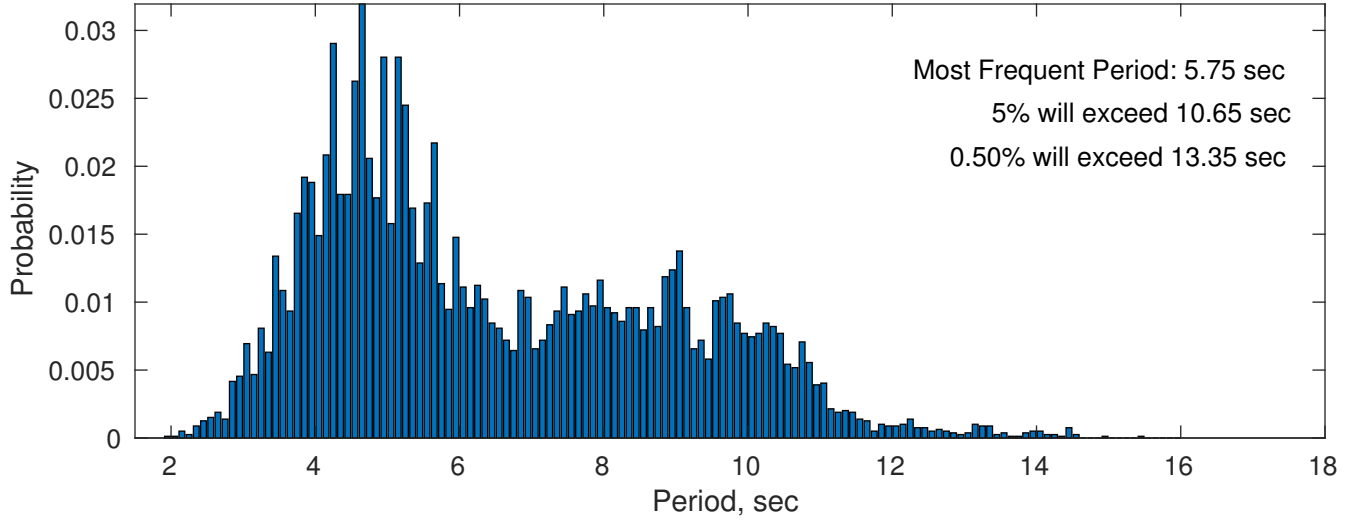
Wind-Sea: 48.03%



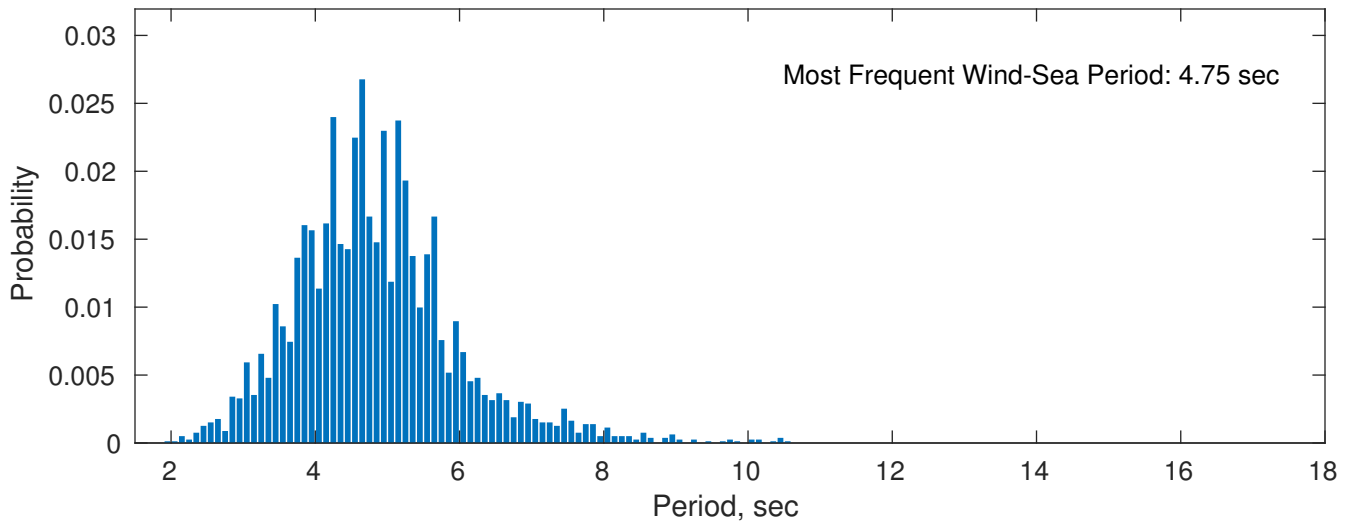
Swell: 51.97%



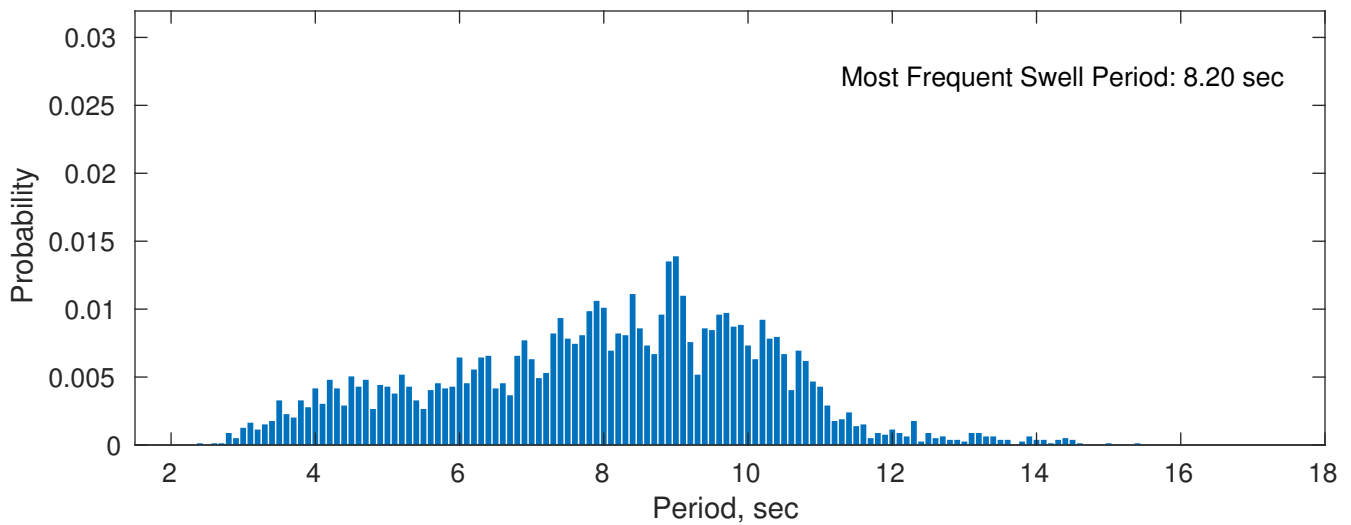
February Peak Wave Period PDF: 1979 - 2015



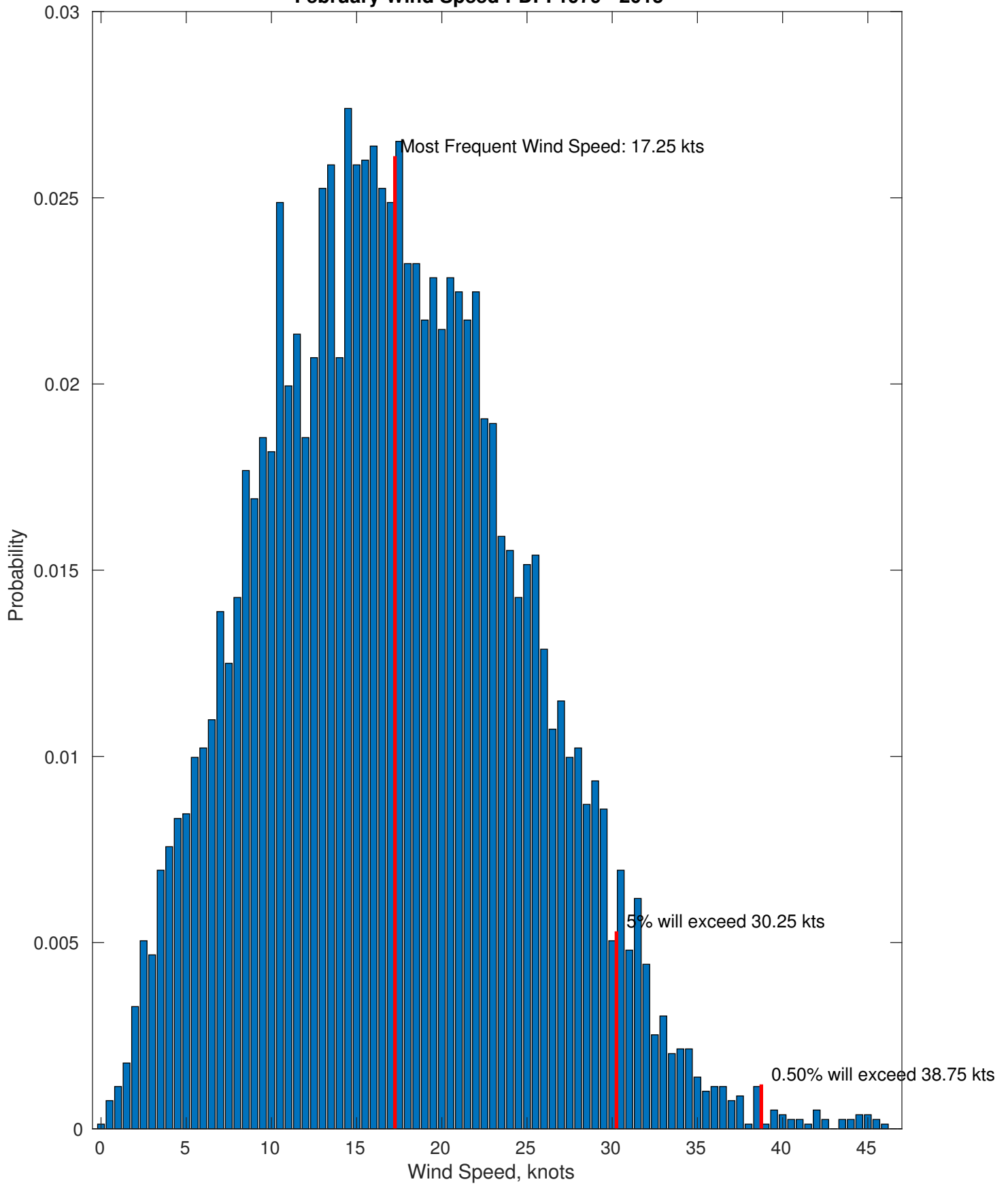
Wind-Sea: 48.03%



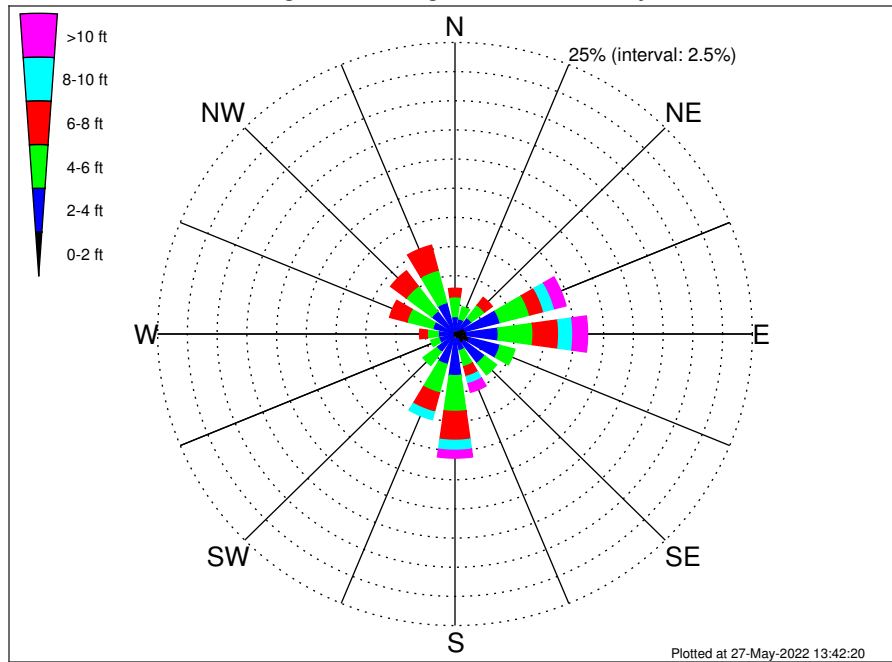
Swell: 51.97%



February Wind Speed PDF: 1979 - 2015



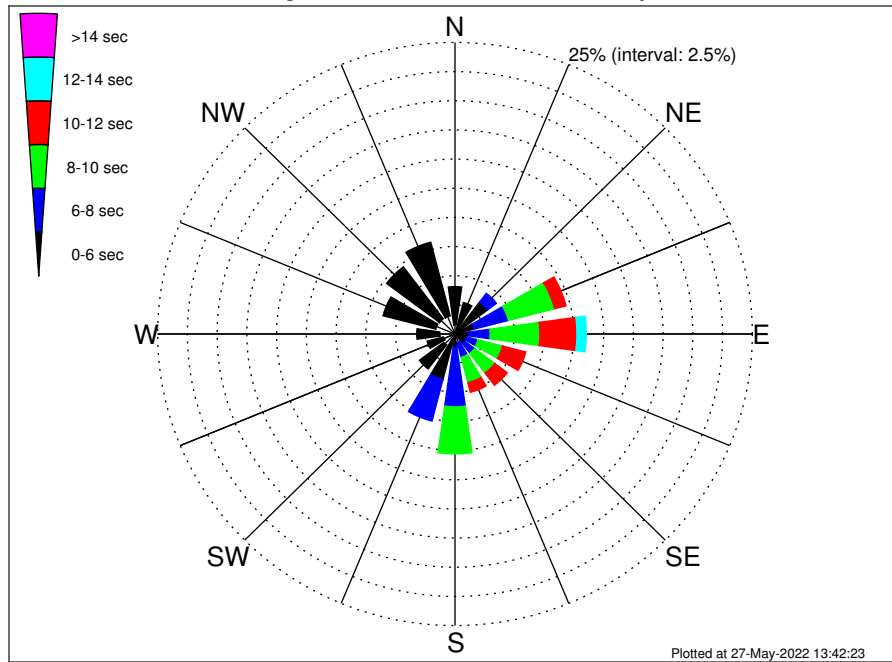
OCS-A 0538 Climatological WaveHeight Rose for February: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.06	0.01	0.01	0.08	0.23	0.30	0.09	0.03	0.04	0.05	•	•	0.04	•	0.01	•	0.95
1 - 2 ft	0.35	0.30	0.40	0.80	0.74	0.95	0.85	0.43	0.39	0.32	0.37	0.28	0.16	0.16	0.28	0.34	7.12
2 - 4 ft	1.09	1.04	1.31	3.04	2.66	2.66	2.18	1.02	3.14	2.32	1.57	1.12	1.21	1.77	2.15	2.44	30.73
4 - 6 ft	1.69	1.06	1.38	2.56	2.93	1.29	1.26	1.41	3.07	2.53	1.44	0.71	0.92	2.25	2.70	2.88	30.08
6 - 8 ft	0.73	0.45	0.82	1.22	2.16	0.62	0.62	0.87	2.47	1.69	0.47	0.21	0.64	1.50	1.64	2.21	18.35
8 - 10 ft	0.29	0.16	0.32	0.95	1.19	0.38	0.33	0.63	0.86	0.68	0.05	0.13	0.23	0.53	0.48	0.44	7.64
10 - 12 ft	0.01	0.04	0.09	0.61	0.71	0.25	0.14	0.33	0.43	0.16	0.01	0.03	0.08	0.11	0.08	0.04	3.11
12 - 14 ft	0.03	•	0.03	0.18	0.24	0.23	0.03	0.27	0.20	0.03	•	•	•	•	•	•	1.21
14 - 16 ft	•	0.01	0.01	0.14	0.09	0.03	0.01	0.13	0.03	•	•	•	•	•	•	•	0.44
16 - 18 ft	•	•	•	0.04	0.06	0.01	•	0.05	0.01	•	•	•	•	•	•	•	0.18
> 18 ft	•	•	•	0.04	0.14	0.01	0.01	•	•	•	•	•	•	•	•	•	0.20
Total	4.26	3.08	4.37	9.65	11.15	6.73	5.52	5.16	10.64	7.78	3.90	2.47	3.28	6.33	7.34	8.35	100.00

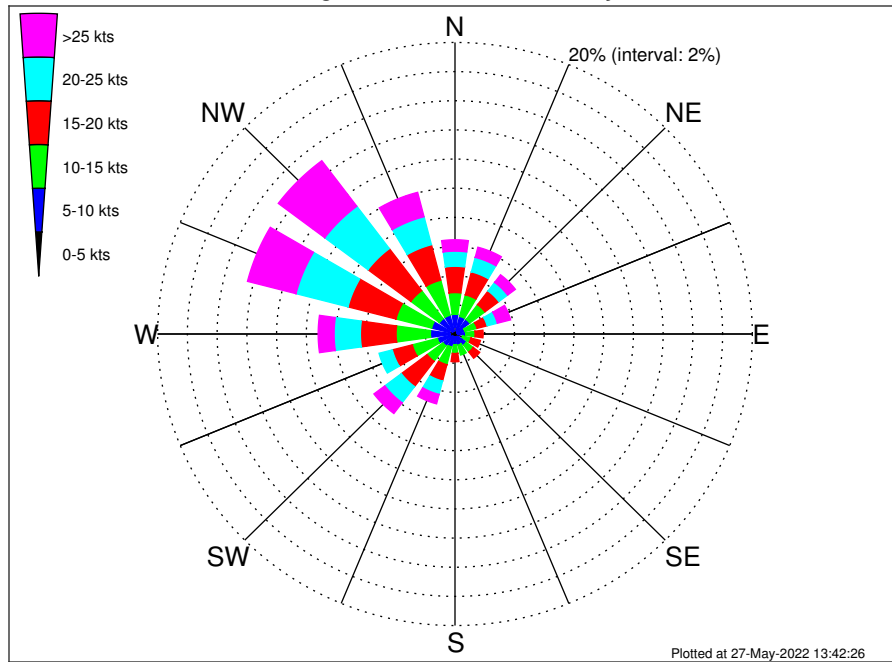
OCS-A 0538 Climatological WavePeriod Rose for February: 1979 - 2015



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	•	0.01	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.01
2 - 4 sec	0.78	0.34	0.49	0.19	0.27	0.28	0.35	0.39	0.20	0.45	1.19	1.00	1.29	1.68	1.63	1.60	12.13
4 - 6 sec	3.28	2.44	2.94	1.49	0.91	0.74	0.67	0.38	0.92	3.57	2.56	1.43	1.93	4.57	5.58	6.53	39.95
6 - 8 sec	0.19	0.29	0.93	2.97	1.78	0.96	1.05	1.29	5.13	3.69	0.15	0.05	0.06	0.08	0.13	0.21	18.95
8 - 10 sec	•	•	•	4.00	4.18	2.15	2.12	2.26	4.03	0.06	•	•	•	•	•	•	18.80
10 - 12 sec	•	•	•	1.00	3.12	2.02	1.31	0.85	0.37	•	•	•	•	•	•	•	8.66
12 - 14 sec	•	•	•	•	0.78	0.45	•	•	•	•	•	•	•	•	•	•	1.24
14 - 16 sec	•	•	•	•	0.11	0.13	0.01	•	•	•	•	•	•	•	•	•	0.25
18 - 20 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	4.26	3.08	4.37	9.65	11.15	6.73	5.52	5.16	10.64	7.78	3.90	2.47	3.28	6.33	7.34	8.35	100.00

OCS-A 0538 Climatological Wind Rose for February: 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	•	0.03	0.01	•	0.01	•	•	•	0.01	•	•	0.01	•	•	0.09
0 - 5 kts	0.44	0.24	0.19	0.13	0.16	0.19	0.27	0.20	0.23	0.19	0.20	0.32	0.32	0.39	0.21	0.20	3.88
5 - 10 kts	0.91	1.00	1.06	0.53	0.54	0.34	0.67	0.58	0.51	0.72	0.80	0.91	1.34	1.22	1.10	1.12	13.35
10 - 15 kts	1.49	1.53	1.28	0.85	0.63	0.58	0.59	0.71	0.61	1.26	1.34	1.74	2.31	2.47	2.41	2.49	22.29
15 - 20 kts	1.81	1.63	1.17	0.71	0.54	0.66	0.54	0.39	0.57	1.16	2.17	1.39	2.40	3.33	3.61	2.51	24.60
20 - 25 kts	1.04	1.02	0.73	0.71	0.40	0.23	0.38	0.23	0.48	0.95	1.39	0.92	1.77	3.61	3.64	1.98	19.47
25 - 30 kts	0.51	0.51	0.35	0.35	0.20	0.10	0.09	0.10	0.23	0.47	0.72	0.33	0.73	2.34	2.95	1.28	11.25
30 - 35 kts	0.18	0.10	0.13	0.34	0.06	0.10	0.05	0.05	0.08	0.18	0.19	0.09	0.30	0.88	0.82	0.38	3.93
35 - 40 kts	0.06	0.06	0.09	0.13	0.01	0.03	•	0.01	0.04	0.03	0.01	0.01	0.03	0.14	0.13	0.05	0.82
40 - 45 kts	0.01	0.04	0.06	0.09	•	•	•	•	•	•	•	•	0.01	0.01	0.01	0.03	0.27
45 - 50 kts	0.03	0.01	0.03	0.01	•	•	•	•	•	•	•	•	•	•	•	•	0.08
Total	6.46	6.15	5.09	3.86	2.58	2.22	2.60	2.27	2.73	4.95	6.83	5.71	9.20	14.42	14.89	10.04	100.00