

OCS-A 0538 - May

Latitude: 39.71 N Longitude: 73.16 W

Weather Days

Wave Height > 3.0 ft Mean: 21.7 days Range: 18.7 - 24.8 days p10:25.5 days p50:22.5 days p90:18 days

Wave Height > 4.0 ft Mean: 14.3 days Range: 11.2 - 17.5 days p10:18.5 days p50:15 days p90:10.5 days

Wave Height > 5.0 ft Mean: 8.4 days Range: 5.6 - 11.3 days p10:12 days p50:9 days p90:4.5 days

Wind Speed > 20.0 knots Mean: 3.6 days Range: 1.9 - 5.3 days p10:5.5 days p50:4 days p90:1.5 days

Wind Speed > 25.0 knots Mean: 1.0 days Range: 0.1 - 1.8 days p10:2.5 days p50:1 days p90:0.5 days

Wind Speed > 30.0 knots Mean: 0.2 days Range: 0.0 - 0.4 days p10:0.5 days p50:0.5 days p90:0.5 days

Working Window Probability

Wave Height < 3.0 ft 3 days or longer: 16%
 5 days or longer: 0%
 7 days or longer: 0%

Wave Height < 4.0 ft 3 days or longer: 35%
 5 days or longer: 6%
 7 days or longer: 1%

Wave Height < 5.0 ft 3 days or longer: 55%
 5 days or longer: 18%
 7 days or longer: 8%

Waves

Mean Height: 2 - 4 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: E

WindSea/Swell: 25% / 75%

Winds

Mean Speed: 10 - 15 kts

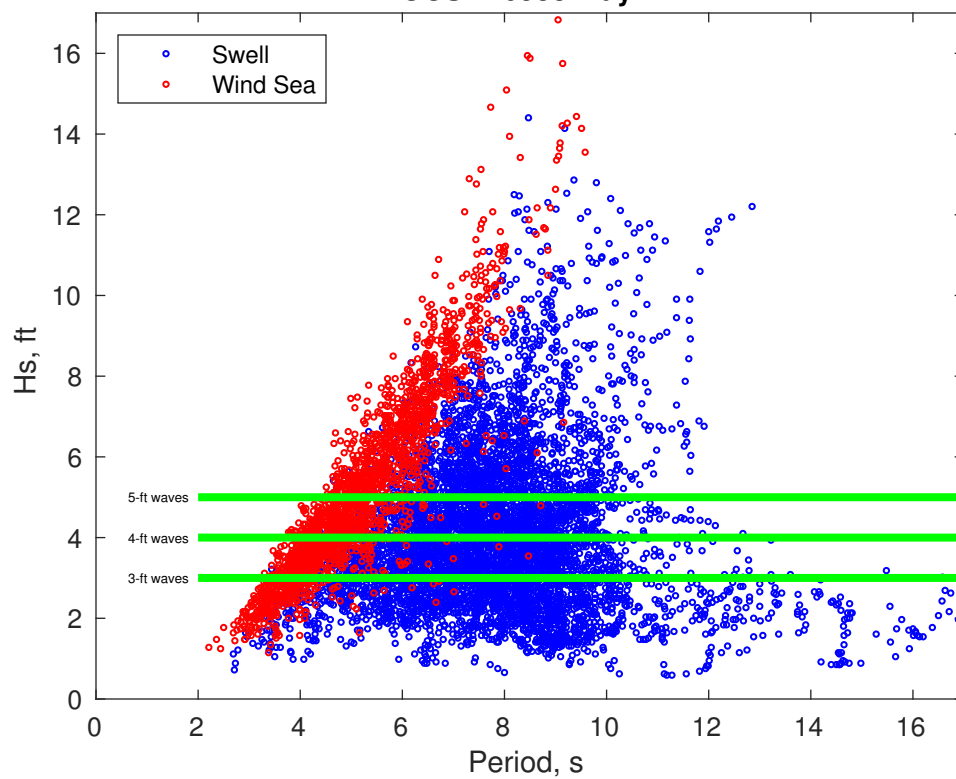
The winds will occasionally reach 25 - 30 kts, but rarely greater.

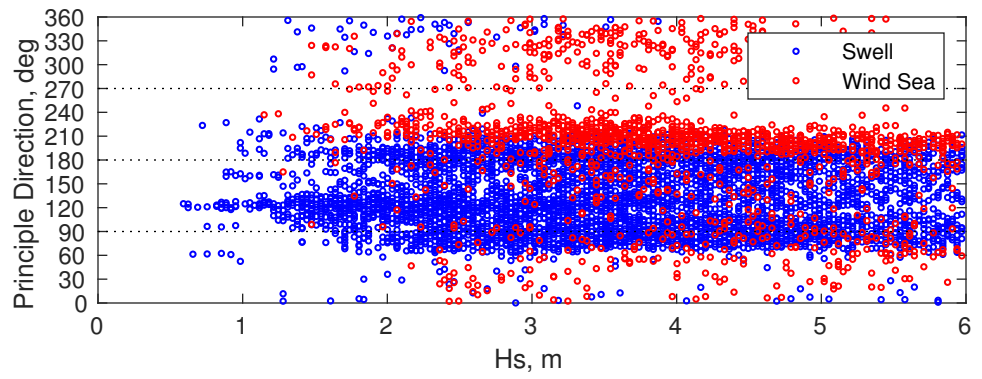
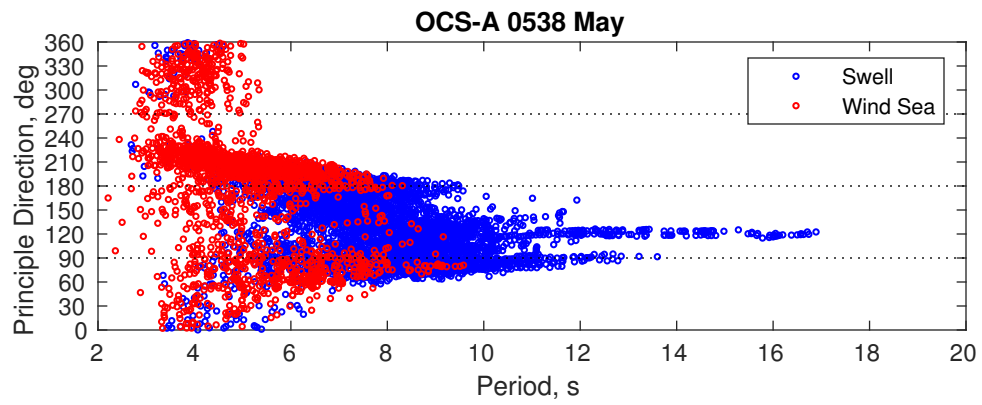
Principle Direction, from: SW

Severe Storms

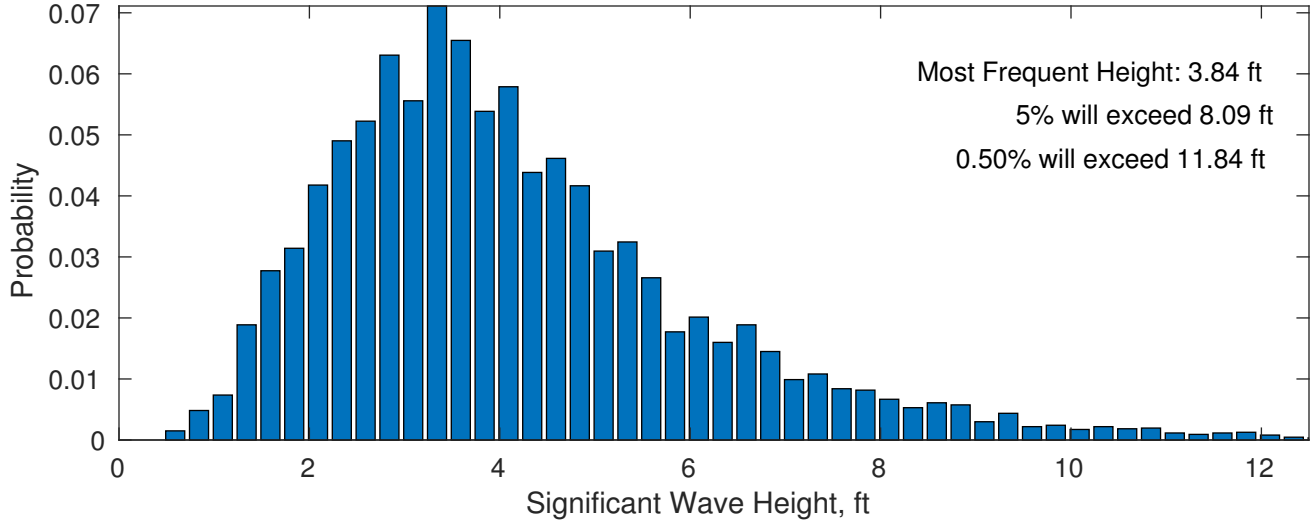
Severe storms with gale force winds and extreme waves are not expected during this month.

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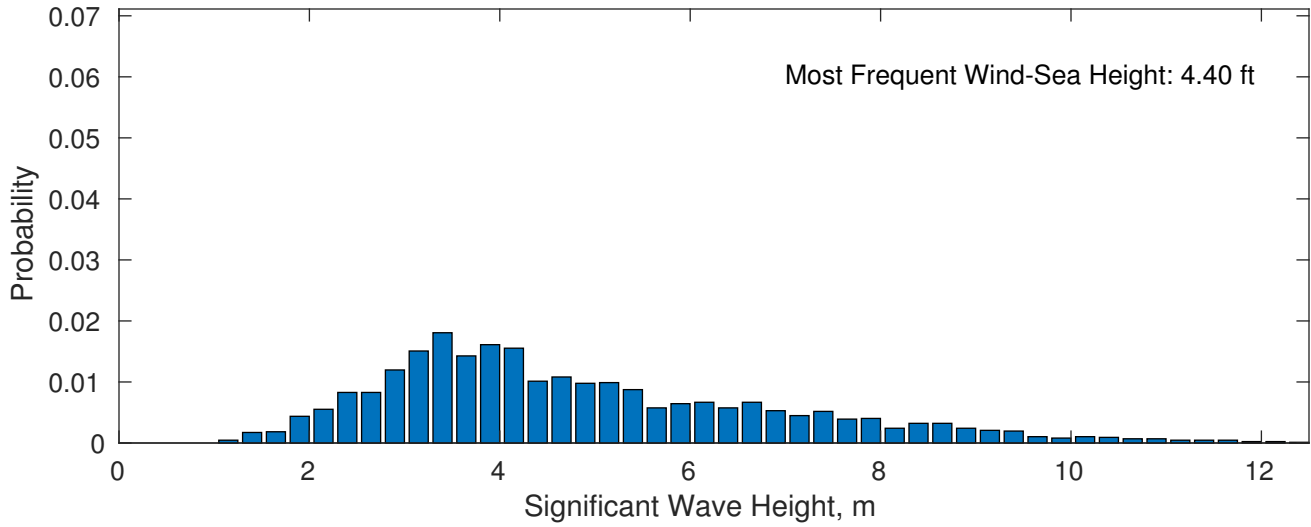




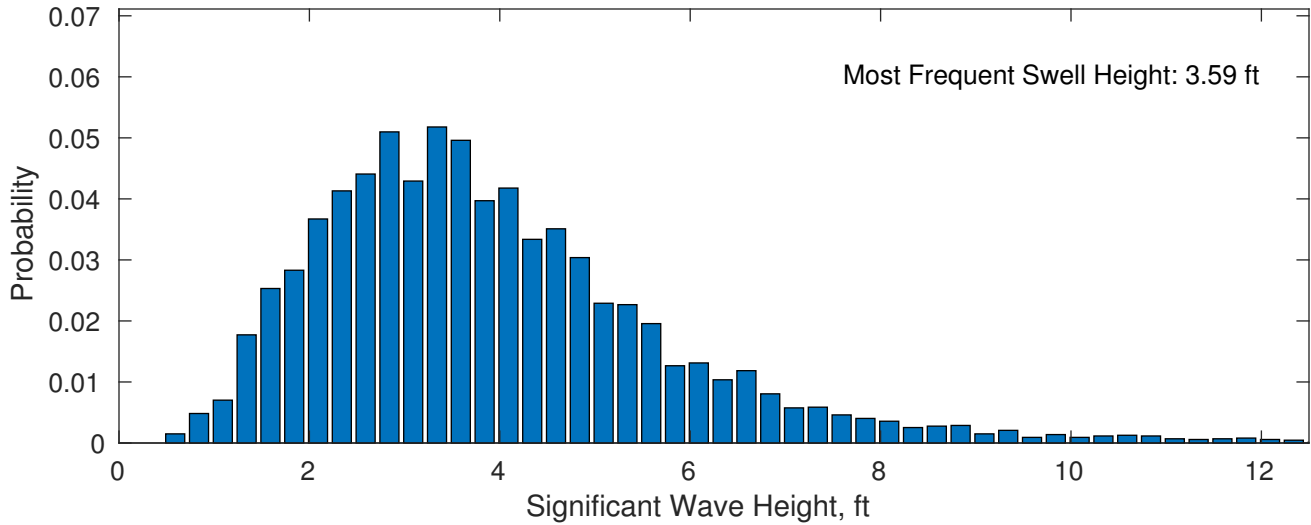
May Wave Height PDF: 1979 - 2015



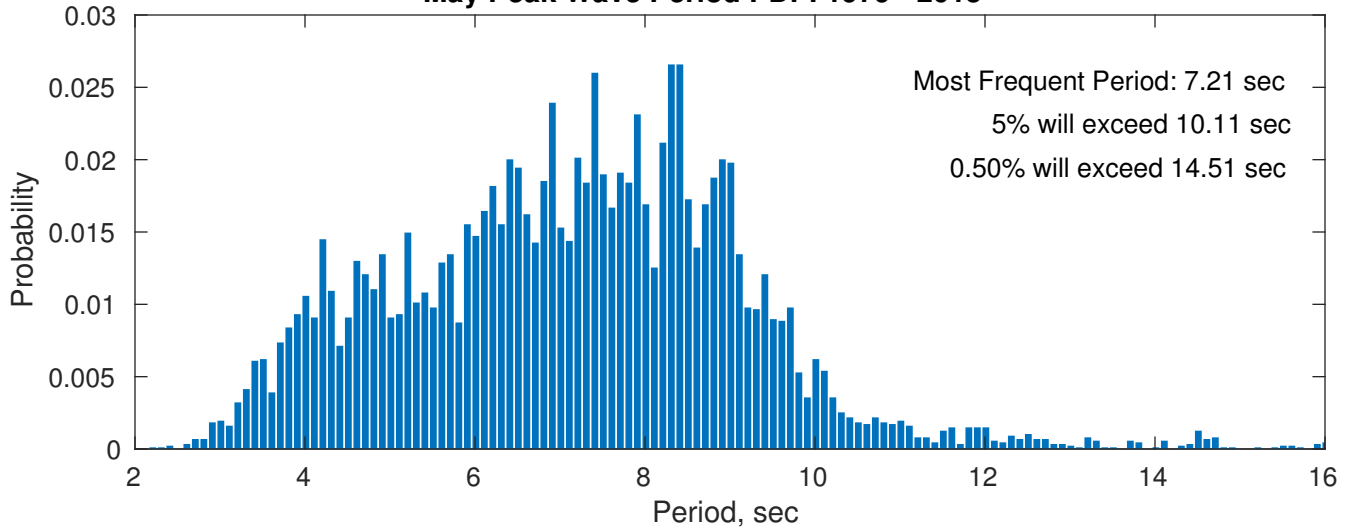
Wind-Sea: 24.98%



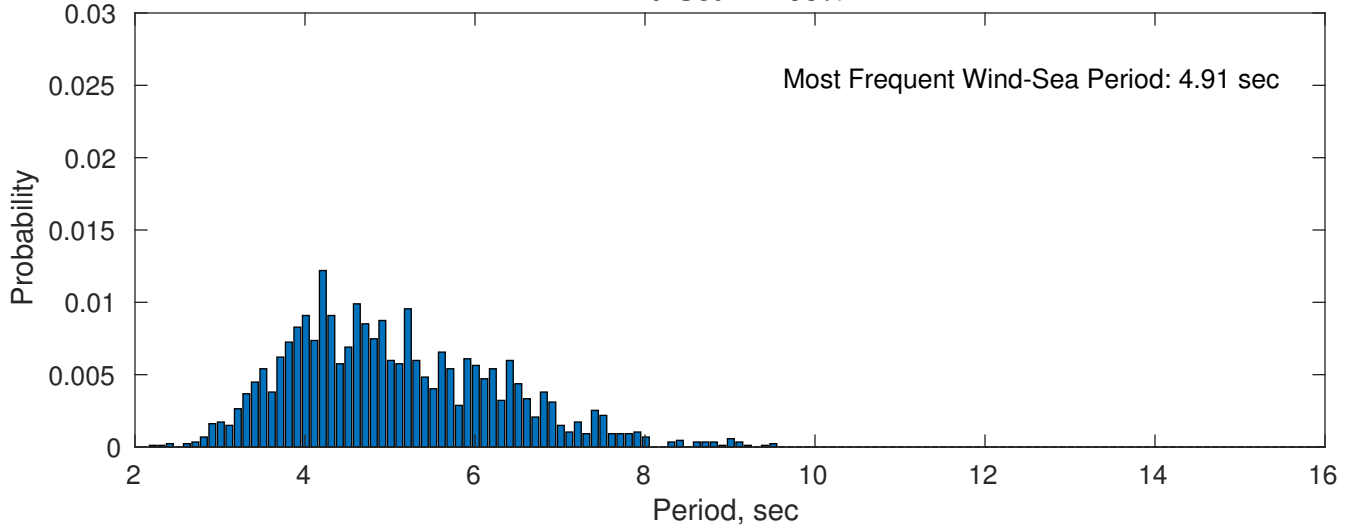
Swell: 75.02%



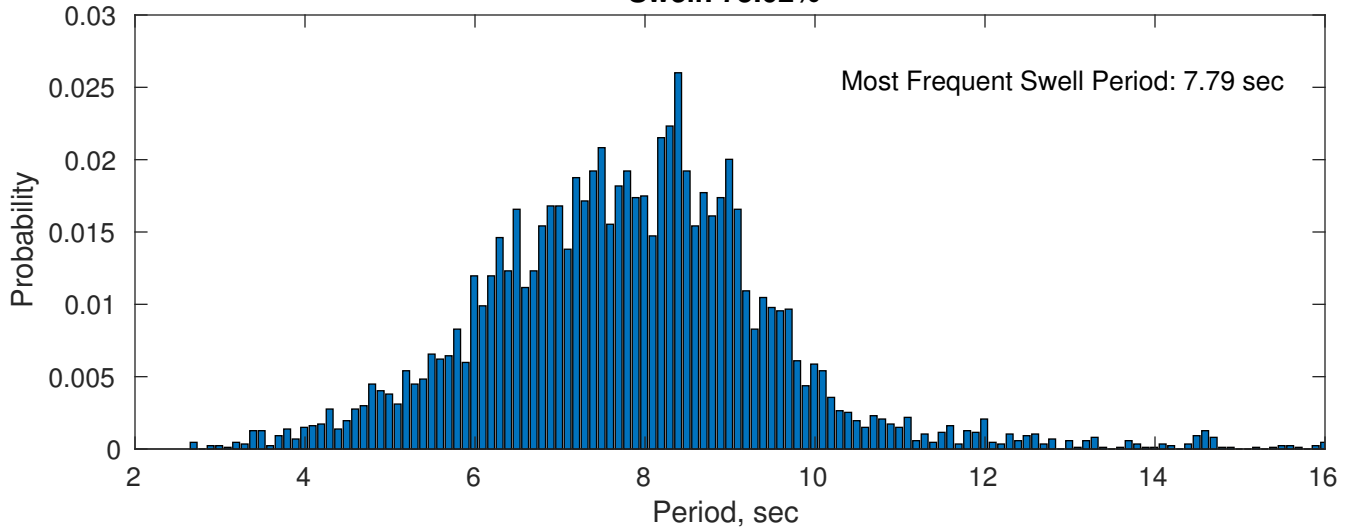
May Peak Wave Period PDF: 1979 - 2015



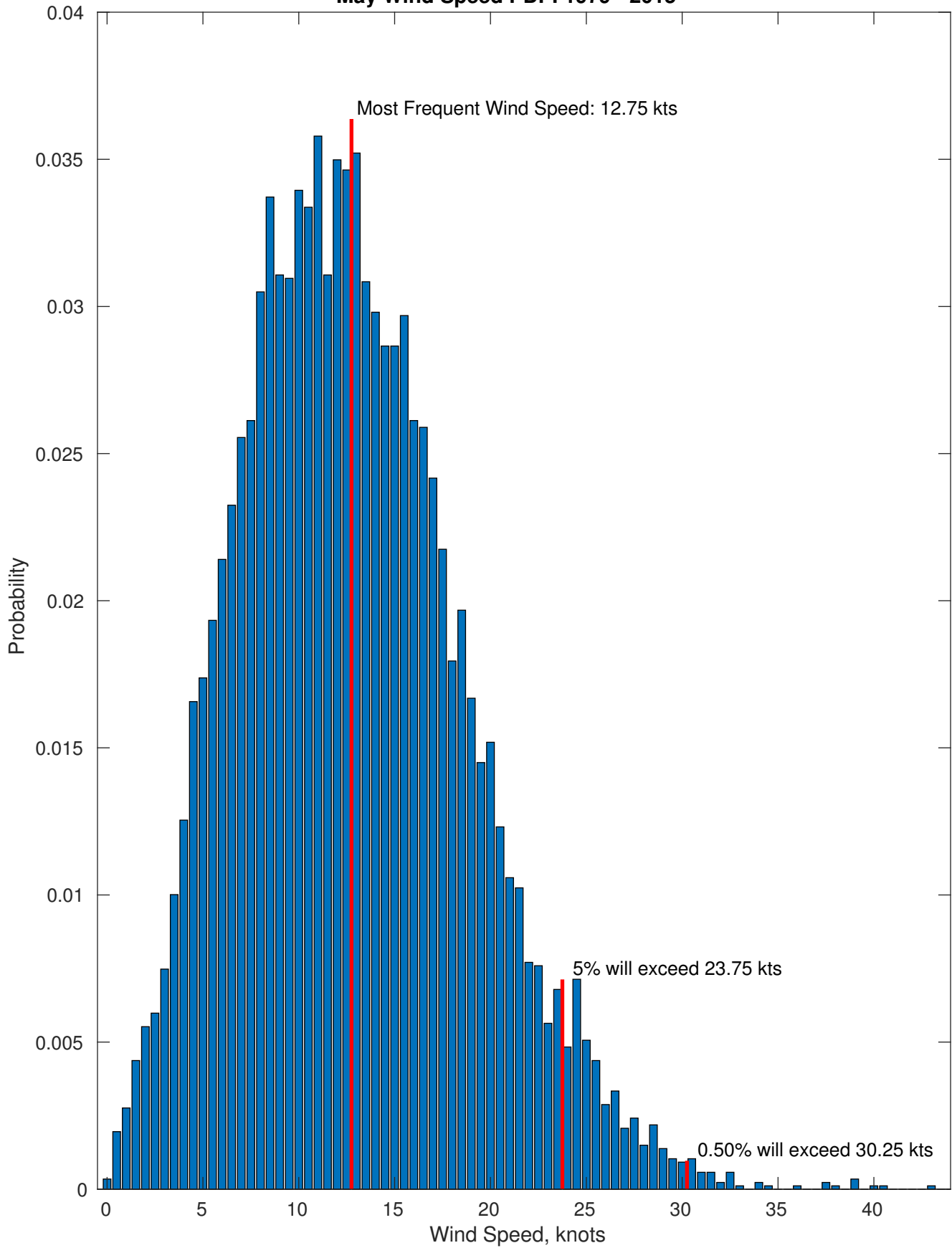
Wind-Sea: 24.98%



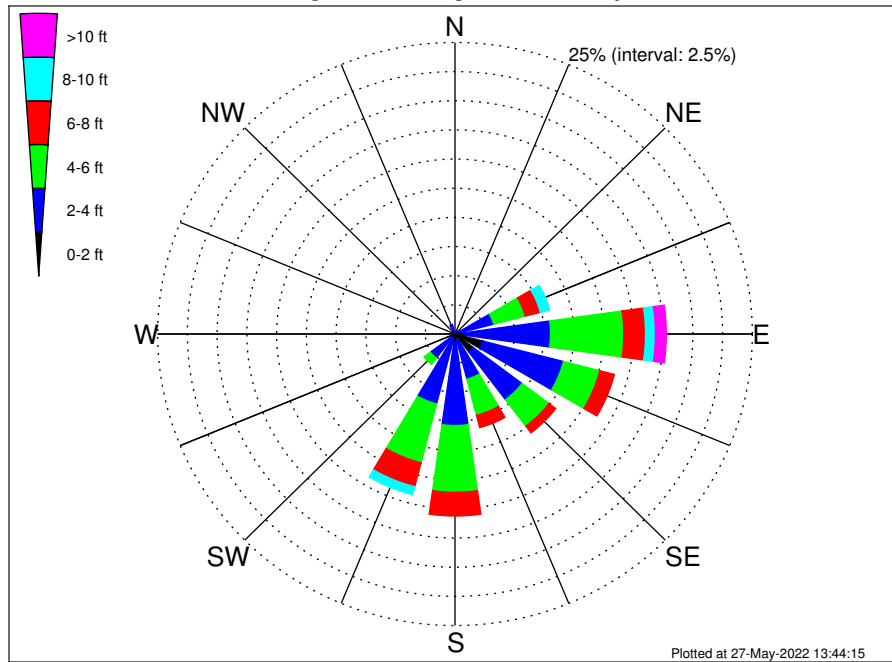
Swell: 75.02%



May Wind Speed PDF: 1979 - 2015



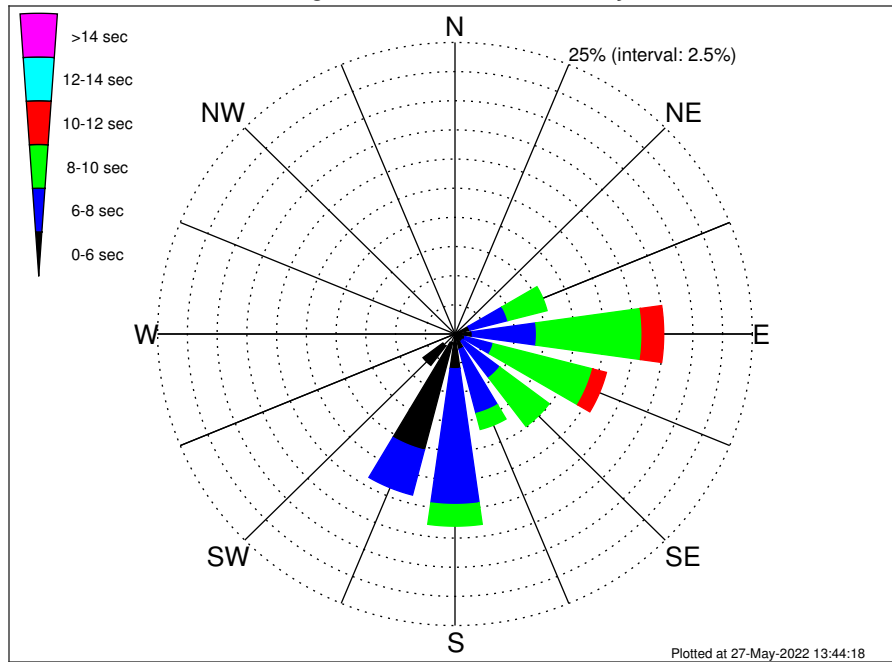
OCS-A 0538 Climatological WaveHeight Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	0.01	0.05	0.03	0.22	0.09	0.07	•	0.02	0.02	•	•	•	•	•	0.52
1 - 2 ft	0.08	0.02	•	0.18	0.66	2.20	1.83	0.47	0.63	0.49	0.24	0.05	0.07	0.07	0.09	0.07	7.16
2 - 4 ft	0.37	0.30	0.36	3.13	7.34	7.01	5.13	3.45	7.22	5.67	2.32	0.24	0.20	0.38	0.60	0.78	44.50
4 - 6 ft	0.28	0.25	0.30	2.74	6.16	3.15	2.84	3.21	5.72	5.21	0.67	0.07	0.07	0.15	0.29	0.22	31.32
6 - 8 ft	0.01	0.12	0.25	1.31	1.83	1.27	0.71	1.08	2.04	2.12	0.14	0.01	0.03	0.06	0.03	•	11.01
8 - 10 ft	•	0.03	0.07	0.81	0.83	0.33	0.17	0.24	0.61	0.70	•	•	•	•	•	•	3.80
10 - 12 ft	•	•	0.02	0.13	0.62	0.13	0.02	0.03	0.21	0.06	•	•	•	•	•	•	1.22
12 - 14 ft	•	•	0.01	0.02	0.22	0.01	0.01	•	0.06	•	•	•	•	•	•	•	0.33
14 - 16 ft	•	•	•	0.02	0.07	0.01	0.02	•	•	•	•	•	•	•	•	•	0.13
16 - 18 ft	•	•	•	•	0.01	•	•	•	•	•	•	•	•	•	•	•	0.01
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.74	0.72	1.02	8.39	17.77	14.33	10.84	8.56	16.48	14.28	3.39	0.37	0.37	0.66	1.01	1.07	100.00

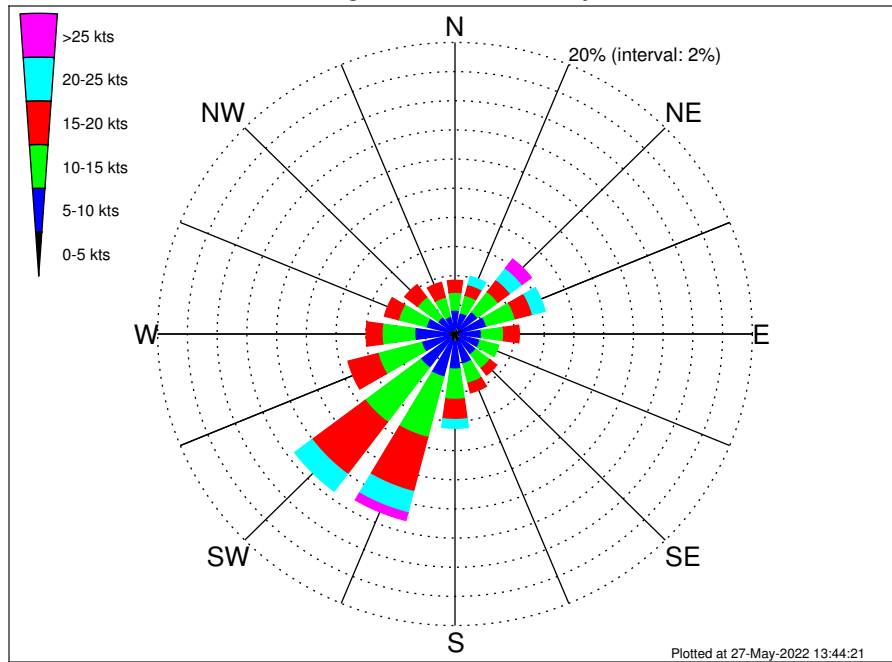
OCS-A 0538 Climatological WavePeriod Rose for May: 1979 - 2015



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	0.37	0.24	0.15	0.15	0.08	0.06	0.08	0.25	0.16	0.79	1.28	0.21	0.25	0.43	0.47	0.52	5.49
4 - 6 sec	0.37	0.44	0.61	1.13	1.38	0.82	0.71	1.10	2.82	9.49	2.09	0.16	0.12	0.23	0.54	0.55	22.57
6 - 8 sec	•	0.05	0.26	3.31	5.40	2.45	3.91	5.68	11.65	3.98	0.02	•	•	•	•	•	36.72
8 - 10 sec	•	•	•	3.41	8.87	8.63	5.21	1.42	1.85	0.01	•	•	•	•	•	•	29.40
10 - 12 sec	•	•	•	0.39	1.82	1.20	0.59	0.10	•	•	•	•	•	•	•	•	4.10
12 - 14 sec	•	•	•	•	0.22	0.58	0.23	•	•	•	•	•	•	•	•	•	1.02
14 - 16 sec	•	•	•	•	•	0.44	0.10	•	•	•	•	•	•	•	•	•	0.54
18 - 20 sec	•	•	•	•	•	0.16	•	•	•	•	•	•	•	•	•	•	0.16
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.74	0.72	1.02	8.39	17.77	14.33	10.84	8.56	16.48	14.28	3.39	0.37	0.37	0.66	1.01	1.07	100.00

OCS-A 0538 Climatological Wind Rose for May: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.02	0.02	0.03	0.01	0.01	•	•	•	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.23
0 - 5 kts	0.30	0.46	0.39	0.53	0.24	0.39	0.41	0.56	0.48	0.51	0.43	0.35	0.49	0.40	0.32	0.25	6.52
5 - 10 kts	1.32	1.02	1.47	1.65	1.53	1.36	1.33	1.55	1.90	2.52	2.43	1.97	2.21	1.59	1.10	0.97	25.93
10 - 15 kts	1.22	1.23	1.73	2.00	1.50	1.29	1.19	1.37	2.08	4.29	4.68	3.03	2.20	1.93	1.73	1.37	32.83
15 - 20 kts	0.82	0.77	1.02	1.20	1.05	0.47	0.59	0.68	1.38	3.83	4.48	2.08	1.06	0.97	1.07	1.05	22.51
20 - 25 kts	0.33	0.58	1.00	0.87	0.37	0.08	0.16	0.21	0.60	1.51	1.46	0.40	0.22	0.37	0.39	0.25	8.80
25 - 30 kts	0.12	0.17	0.59	0.39	0.07	0.03	•	0.05	0.13	0.47	0.29	0.03	0.07	0.09	0.07	0.06	2.62
30 - 35 kts	0.03	0.06	0.17	0.01	0.01	•	•	0.02	0.03	0.07	0.01	•	•	0.01	•	•	0.44
35 - 40 kts	•	0.02	0.02	•	0.02	•	•	•	0.01	•	•	•	•	•	•	•	0.08
40 - 45 kts	•	•	•	0.02	0.01	•	•	•	•	•	•	•	•	•	•	•	0.03
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	4.17	4.34	6.43	6.69	4.81	3.62	3.68	4.44	6.64	13.21	13.80	7.87	6.26	5.37	4.70	3.97	100.00