

OCS A-0501 South - October

Weather Days

Wave Height > 5.0 ft Mean: 11.7 days Range: 8.8 - 14.6 days p50: 12 days p90: 16 days

Wave Height > 6.0 ft Mean: 7.7 days Range: 5.1 - 10.3 days p50: 8 days p90: 12 days

Wave Height > 7.0 ft Mean: 4.9 days Range: 2.7 - 7.1 days p50: 5 days p90: 9 days

Working Window Probability

Wave Height < 5.0 ft 3 days or longer: 39%

5 days or longer: 9%

7 days or longer: 4%

Wave Height < 6.0 ft 3 days or longer: 55%

5 days or longer: 19%

7 days or longer: 10%

Wave Height < 7.0 ft 3 days or longer: 69%

5 days or longer: 34%

7 days or longer: 20%

Waves

Mean Height: 4 - 6 ft

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

Mean Period: 6 - 8 sec

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

Principle Direction, from: SE

WindSea/Swell: 35% / 65%

Winds

Mean Speed: 10 - 15 kts

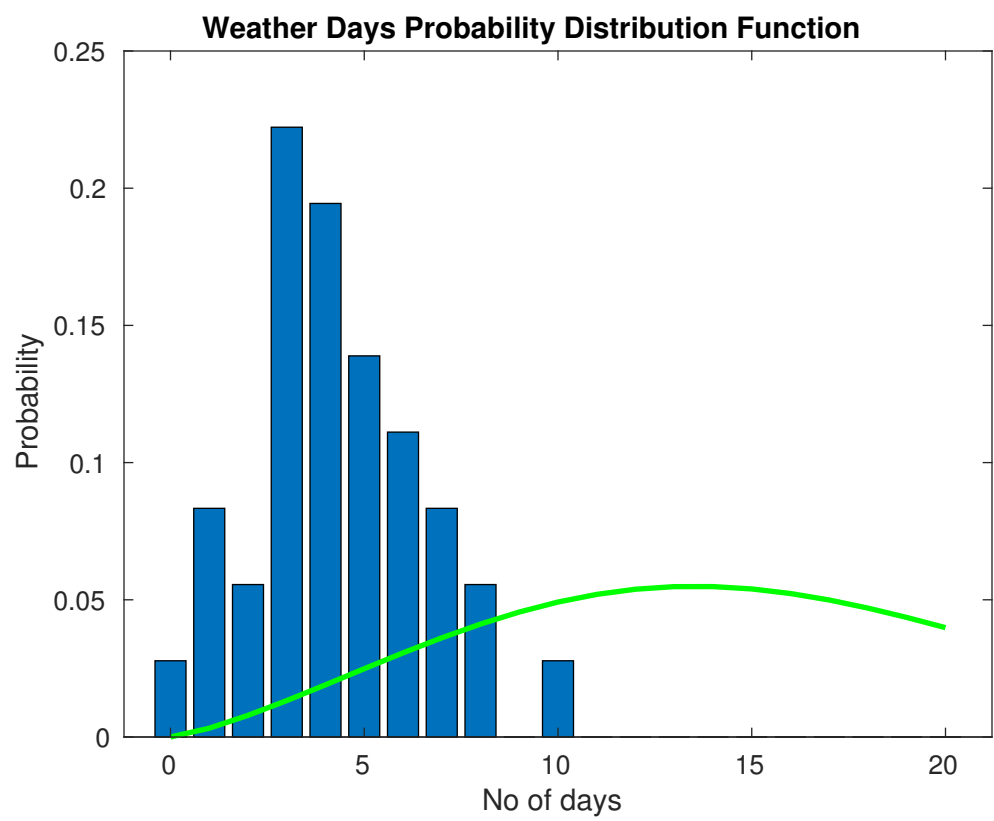
The winds will occasionally reach 35 - 40 kts, but rarely greater.

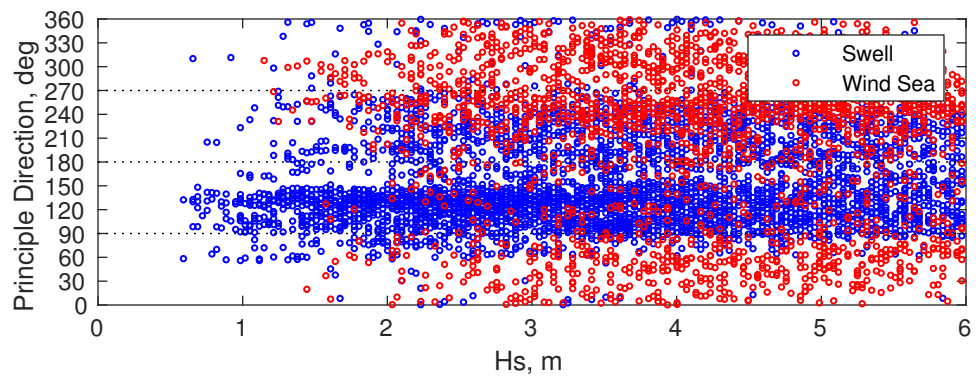
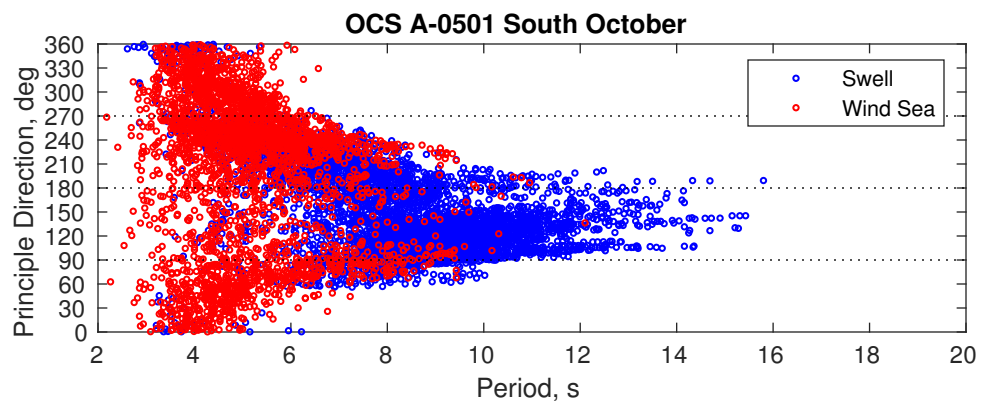
Principle Direction, from: WSW

Severe Storms

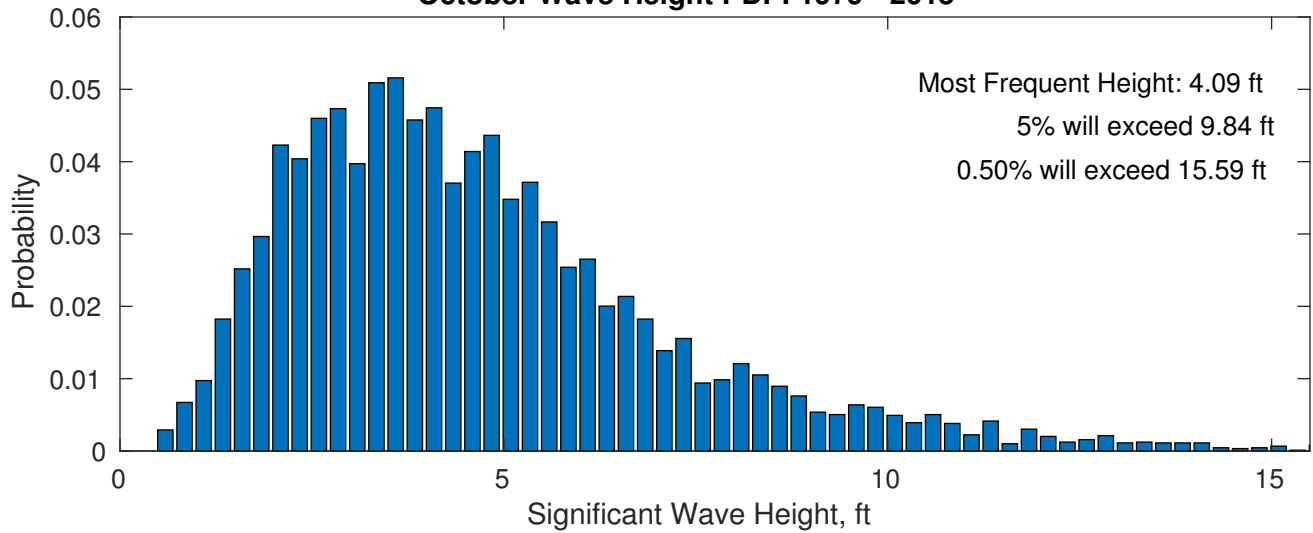
There is a 47 % chance of a storm with winds peaking above 34 kts.

There is a 50 % chance of a storm with waves peaking at 4m (13 ft) or greater.

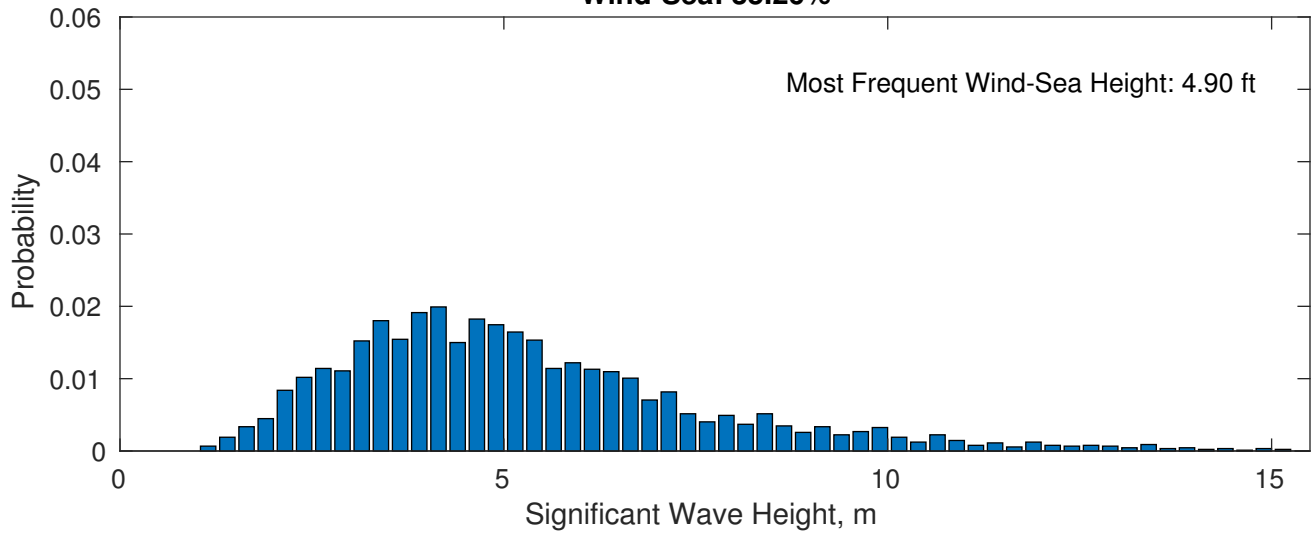




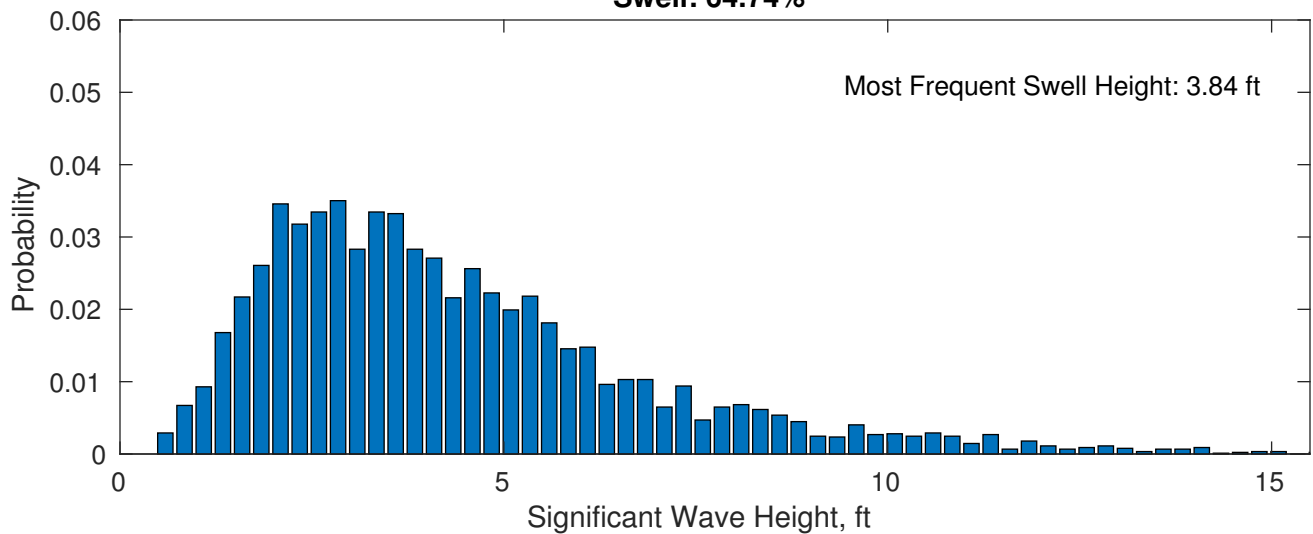
October Wave Height PDF: 1979 - 2015



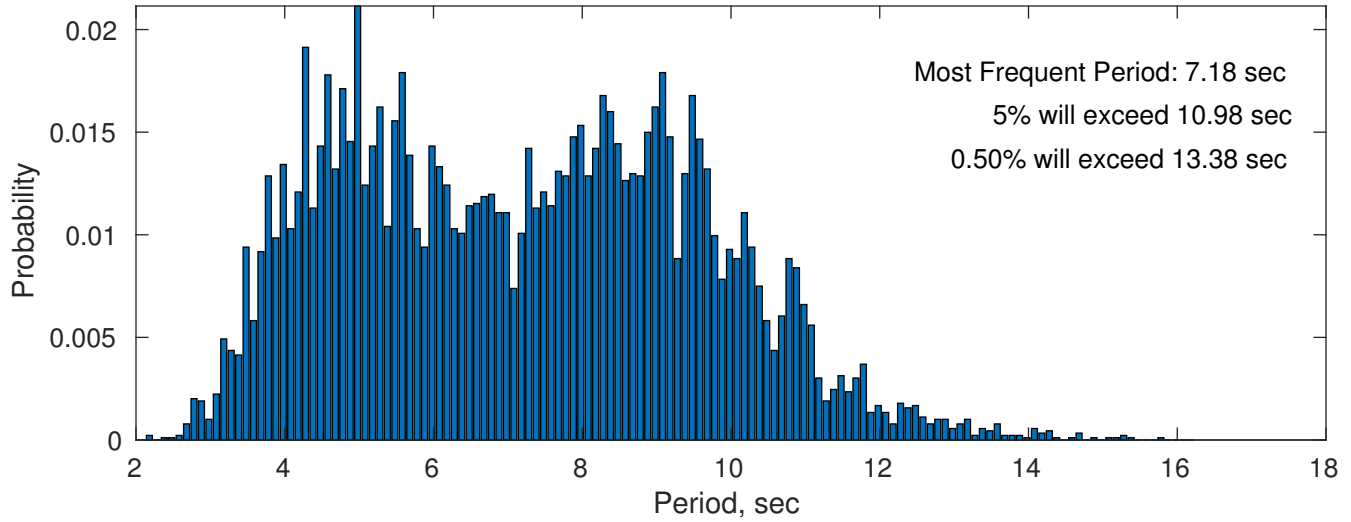
Wind-Sea: 35.26%



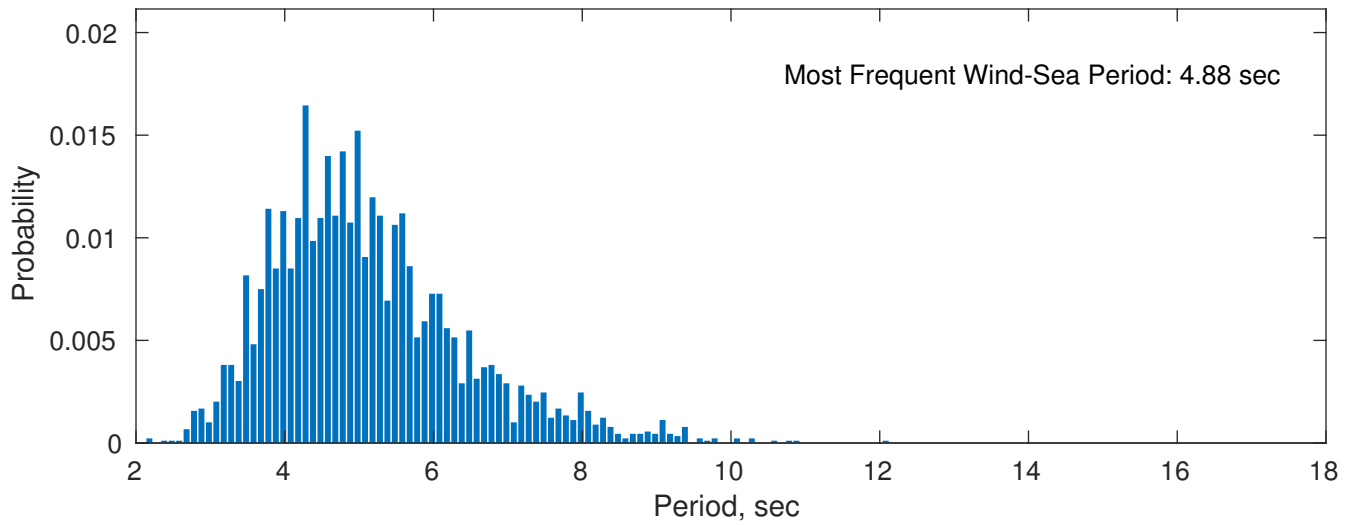
Swell: 64.74%



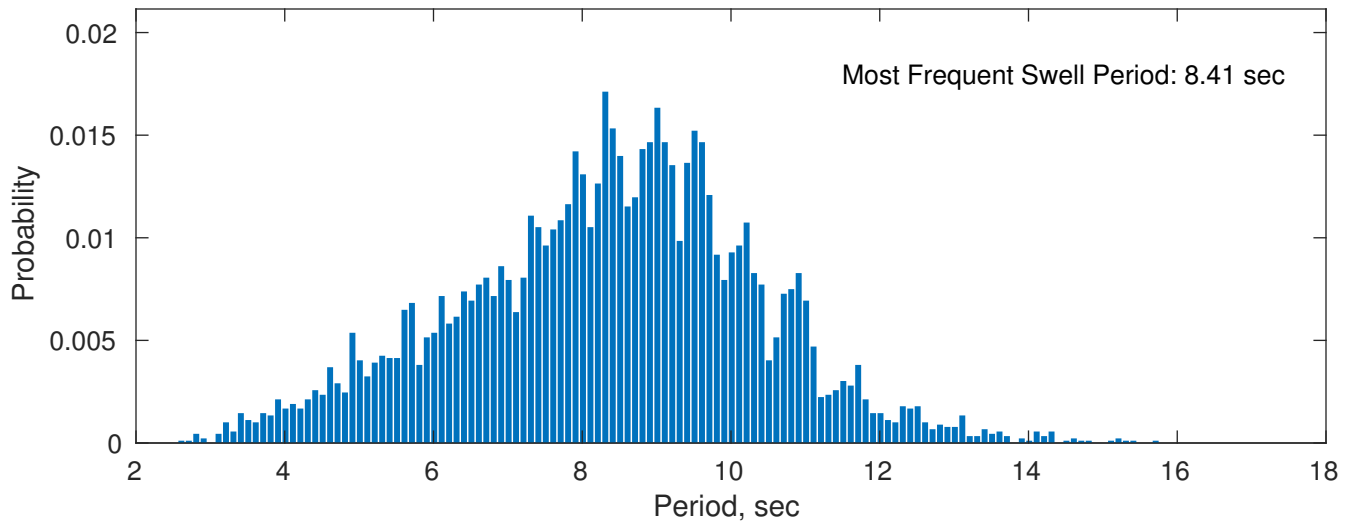
October Peak Wave Period PDF: 1979 - 2015



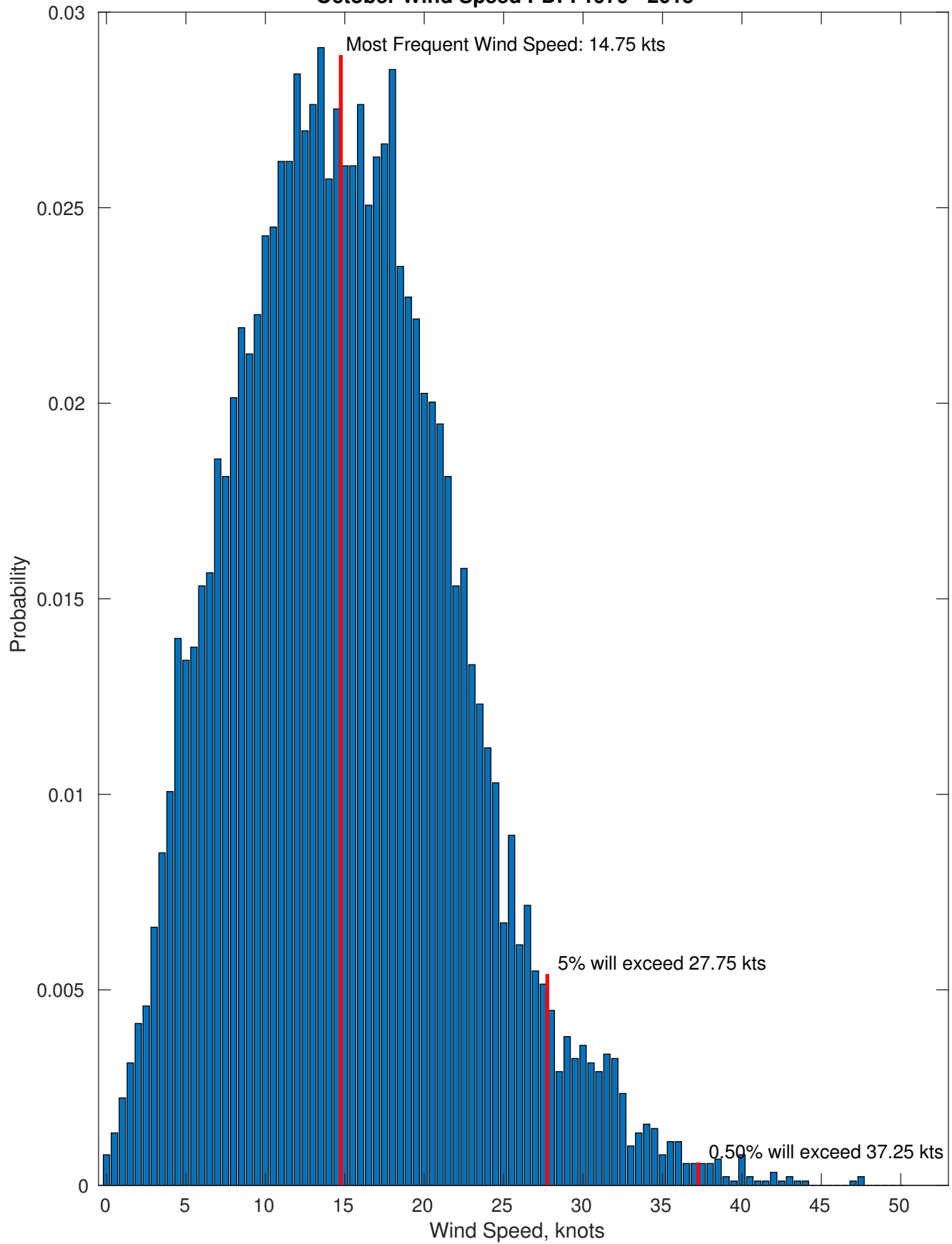
Wind-Sea: 35.26%



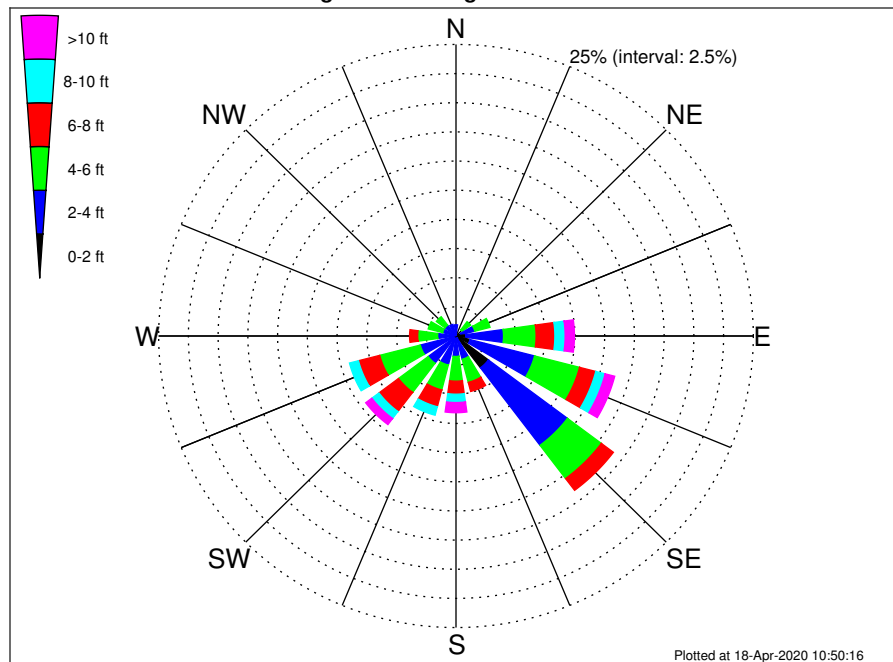
Swell: 64.74%



October Wind Speed PDF: 1979 - 2015



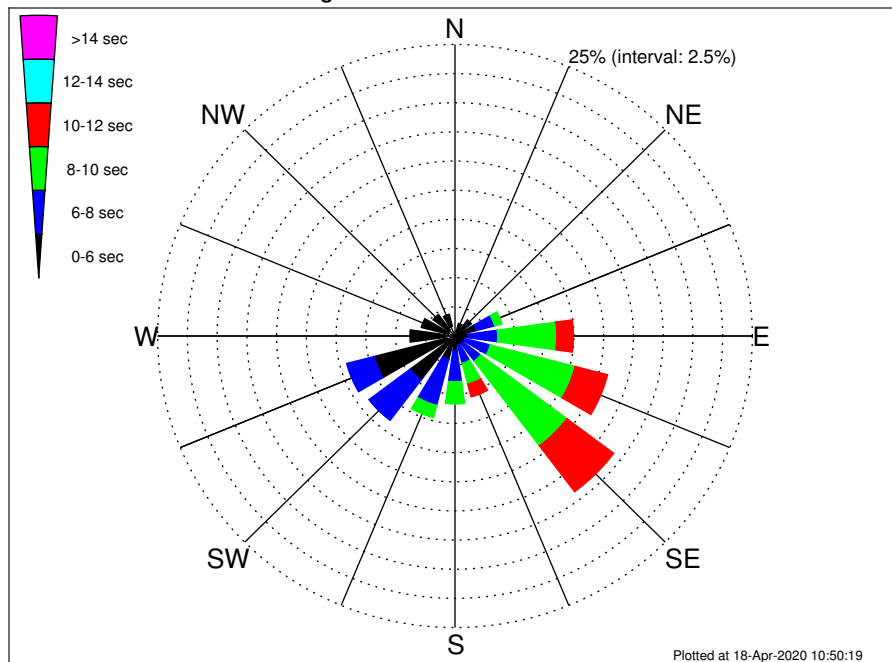
OCS A-0501 South Climatological WaveHeight Rose for October: 1979 - 2015



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	0.08	0.11	0.27	0.02	•	0.02	0.01	•	•	•	0.02	•	0.59
1 - 2 ft	0.08	0.01	0.07	0.39	0.74	1.11	3.14	0.19	0.20	0.32	0.20	0.34	0.19	0.19	0.09	0.04	7.31
2 - 4 ft	0.88	0.44	0.59	1.20	3.18	5.61	8.32	1.85	1.56	2.23	2.72	2.76	1.35	0.97	1.05	0.98	35.69
4 - 6 ft	0.40	0.55	0.87	1.32	2.74	3.91	3.57	2.05	2.11	2.20	3.12	3.52	1.68	1.25	0.91	0.62	30.83
6 - 8 ft	0.06	0.10	0.19	0.57	1.58	1.41	1.26	0.81	1.12	1.49	2.06	1.85	0.68	0.51	0.23	0.23	14.15
8 - 10 ft	0.04	0.02	0.03	0.29	0.86	0.82	0.39	0.60	0.72	0.75	0.75	0.78	0.20	•	0.02	0.04	6.33
10 - 12 ft	0.04	0.01	0.07	0.27	0.46	0.43	0.23	0.17	0.49	0.29	0.37	0.18	•	•	•	•	3.01
12 - 14 ft	•	0.01	0.01	•	0.23	0.28	0.15	0.12	0.17	0.04	0.16	•	•	•	•	0.01	1.19
14 - 16 ft	•	•	•	•	0.06	0.03	0.09	0.01	0.11	0.06	0.09	•	•	•	•	•	0.45
16 - 18 ft	•	•	•	•	0.02	0.06	0.02	0.03	0.06	0.09	0.03	•	•	•	•	•	0.31
> 18 ft	•	•	•	•	0.01	0.03	0.01	0.02	0.04	0.01	•	•	•	•	•	•	0.13
Total	1.51	1.14	1.85	4.08	9.96	13.79	17.47	5.87	6.58	7.51	9.51	9.43	4.11	2.93	2.33	1.94	100.00

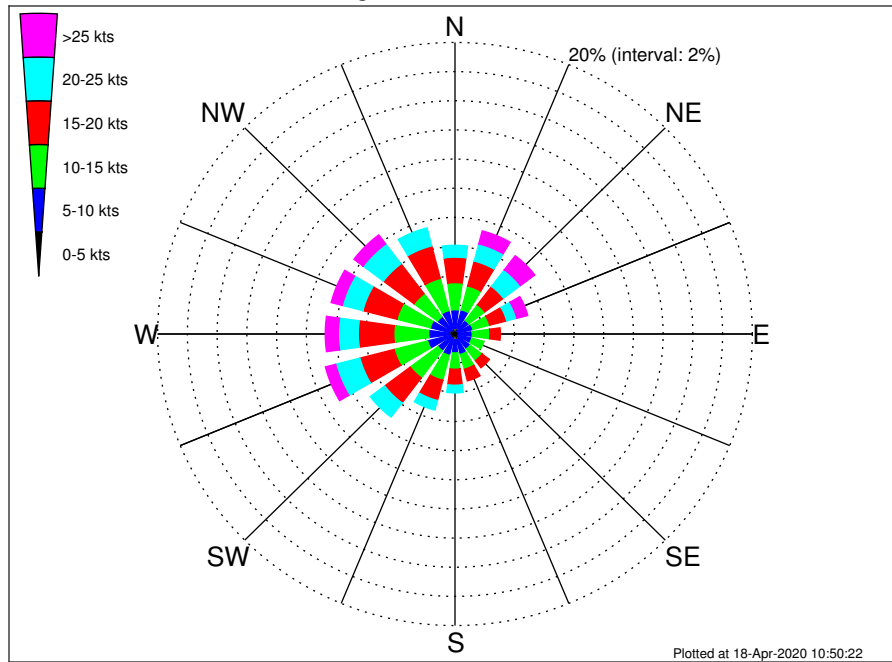
OCS A-0501 South Climatological WavePeriod Rose for October: 1979 - 2015



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	0.88	0.40	0.44	0.28	0.17	0.17	0.17	0.17	0.20	0.23	0.49	0.67	0.82	0.57	0.65	0.86	7.17
4 - 6 sec	0.60	0.72	1.30	1.54	0.94	0.68	0.67	0.63	1.06	1.85	4.22	6.36	2.98	2.36	1.67	1.06	28.63
6 - 8 sec	0.02	0.02	0.11	1.62	2.48	2.22	1.86	1.62	2.66	4.06	4.35	2.38	0.31	•	0.01	0.01	23.76
8 - 10 sec	•	•	•	0.63	4.97	7.37	9.09	1.85	1.90	1.09	0.45	0.02	•	•	•	•	27.36
10 - 12 sec	•	•	•	0.01	1.40	2.82	4.93	1.13	0.51	0.26	•	•	•	•	•	•	11.07
12 - 14 sec	•	•	•	•	•	0.49	0.57	0.46	0.19	0.02	•	•	•	•	•	•	1.73
14 - 16 sec	•	•	•	•	•	0.03	0.18	0.02	0.04	•	•	•	•	•	•	•	0.28
18 - 20 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.51	1.14	1.85	4.08	9.96	13.79	17.47	5.87	6.58	7.51	9.51	9.43	4.11	2.93	2.33	1.94	100.00

OCS A-0501 South Climatological Wind Rose for October: 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	0.01	•	0.01	0.06	0.01	0.01	0.01	•	0.08	•	•	0.21
0 - 5 kts	0.39	0.44	0.25	0.27	0.22	0.23	0.32	0.40	0.35	0.38	0.31	0.32	0.37	0.35	0.30	0.41	5.33
5 - 10 kts	1.28	1.26	0.92	0.97	0.93	0.92	0.95	1.03	0.90	1.12	1.11	1.57	1.40	1.29	1.17	1.24	18.05
10 - 15 kts	1.86	1.70	1.35	1.16	1.19	0.84	1.01	1.05	1.12	1.77	2.34	2.33	2.35	2.33	1.98	2.28	26.65
15 - 20 kts	1.75	1.76	1.57	1.19	0.70	0.39	0.62	0.83	1.10	1.43	2.15	2.37	2.38	2.36	2.57	2.31	25.47
20 - 25 kts	0.82	1.22	1.43	0.70	0.45	0.39	0.25	0.47	0.53	0.68	1.22	1.69	1.34	1.43	1.71	1.28	15.61
25 - 30 kts	0.20	0.41	0.62	0.43	0.12	0.07	0.09	0.12	0.26	0.19	0.32	0.48	0.56	0.51	0.69	0.32	5.40
30 - 35 kts	0.08	0.35	0.48	0.26	0.16	0.02	0.08	0.03	0.03	0.06	0.09	0.15	0.25	0.25	0.08	0.04	2.39
35 - 40 kts	0.03	0.09	0.11	0.02	0.02	0.02	0.03	0.03	0.01	0.01	0.03	0.09	0.08	0.01	•	0.02	0.63
40 - 45 kts	0.04	0.04	•	0.03	0.02	0.02	0.01	0.01	•	0.01	•	•	•	•	•	0.01	0.21
45 - 50 kts	•	0.02	•	0.02	•	•	•	•	•	•	•	•	•	•	•	•	0.04
Total	6.45	7.31	6.72	5.06	3.83	2.92	3.36	3.99	4.34	5.66	7.59	9.01	8.73	8.60	8.52	7.92	100.00