

OCS A-0501 South - September

Weather Days

Wave Height > 5.0 ft Mean: 8.6 days Range: 5.9 - 11.3 days p50: 8 days p90: 14 days

Wave Height > 6.0 ft Mean: 5.0 days Range: 2.9 - 7.1 days p50: 5 days p90: 9 days

Wave Height > 7.0 ft Mean: 2.9 days Range: 1.4 - 4.4 days p50: 3 days p90: 6 days

Working Window Probability

Wave Height < 5.0 ft 3 days or longer: 55%

5 days or longer: 15%

7 days or longer: 7%

Wave Height < 6.0 ft 3 days or longer: 72%

5 days or longer: 35%

7 days or longer: 22%

Wave Height < 7.0 ft 3 days or longer: 76%

5 days or longer: 48%

7 days or longer: 33%

Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 10 - 12 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 14 - 16 sec, but rarely longer.

Principle Direction, from: SE

WindSea/Swell: 22% / 78%

Winds

Mean Speed: 10 - 15 kts

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

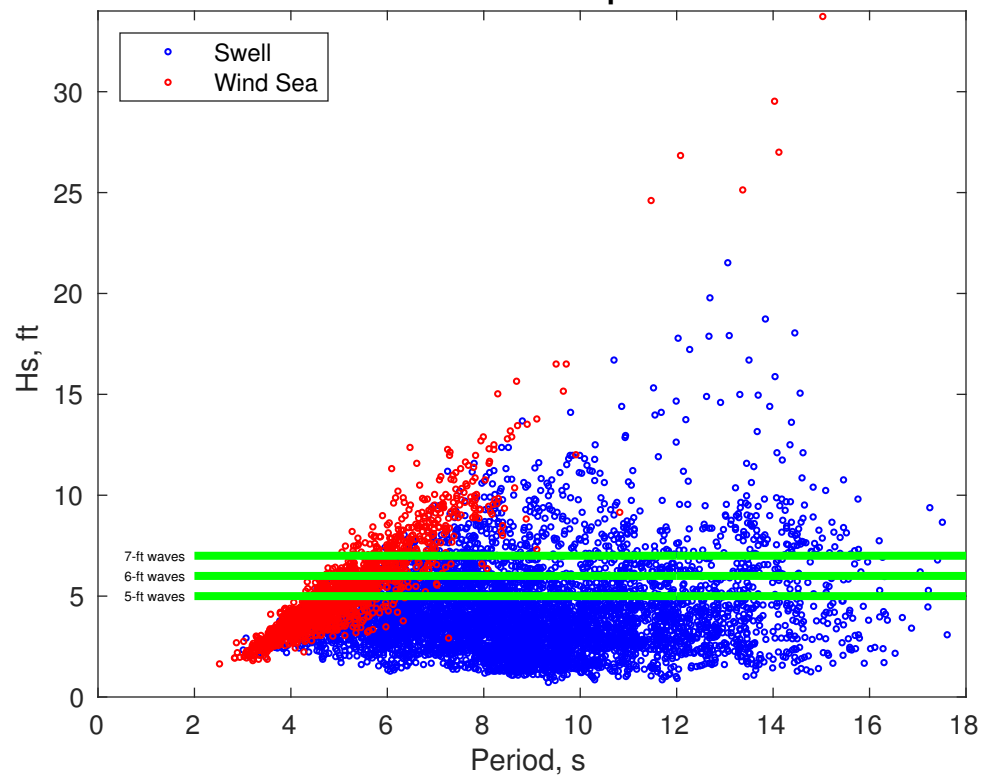
Principle Direction, from: SW

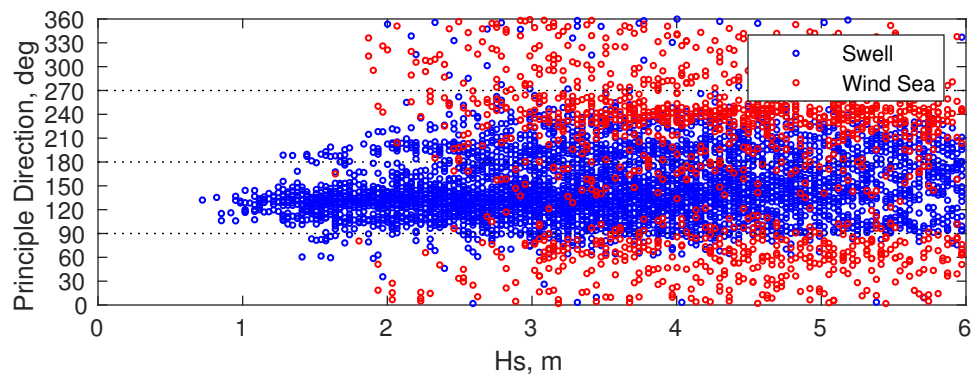
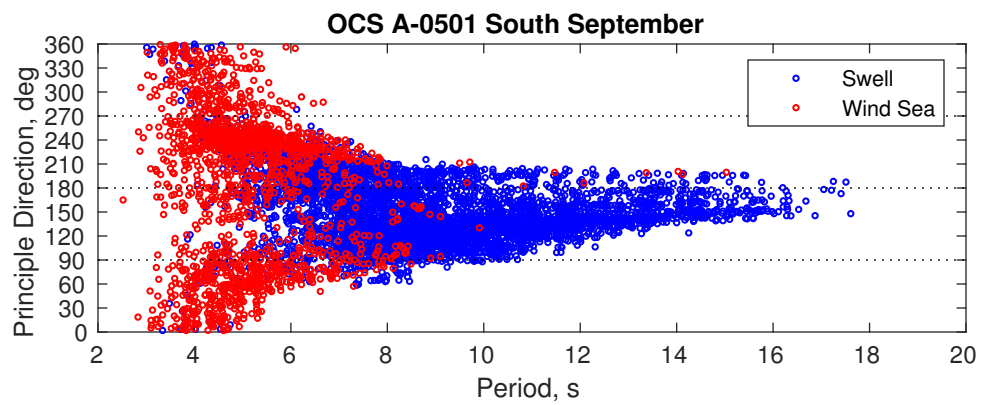
Severe Storms

There is a 14 % chance of a storm with winds peaking above 34 kts.

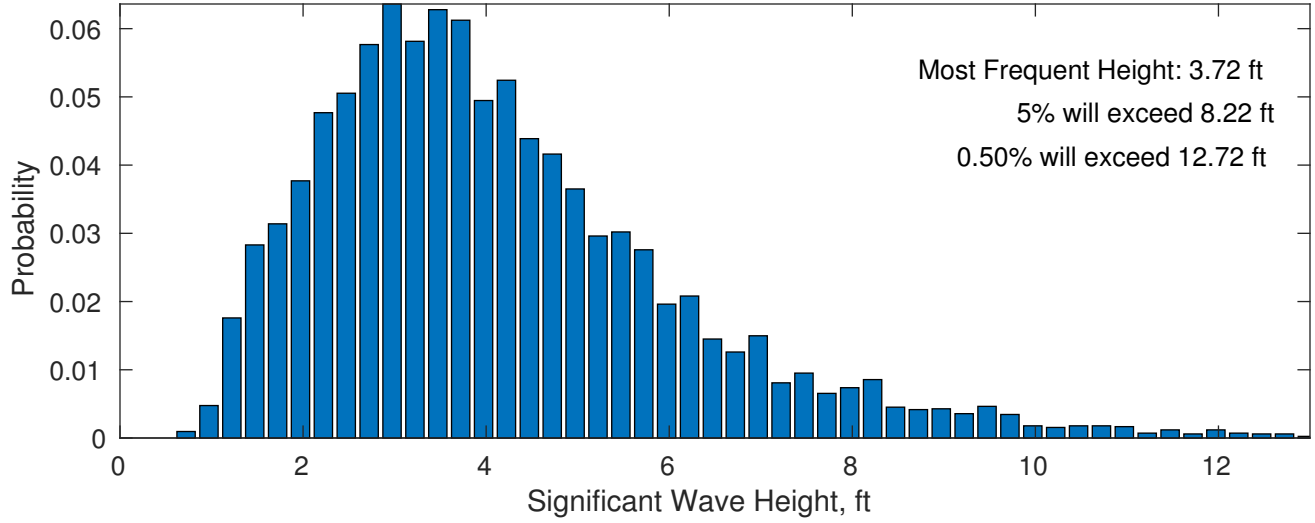
There is a 23 % chance of a storm with waves peaking at 4m (13 ft) or greater.

OCS A-0501 South September

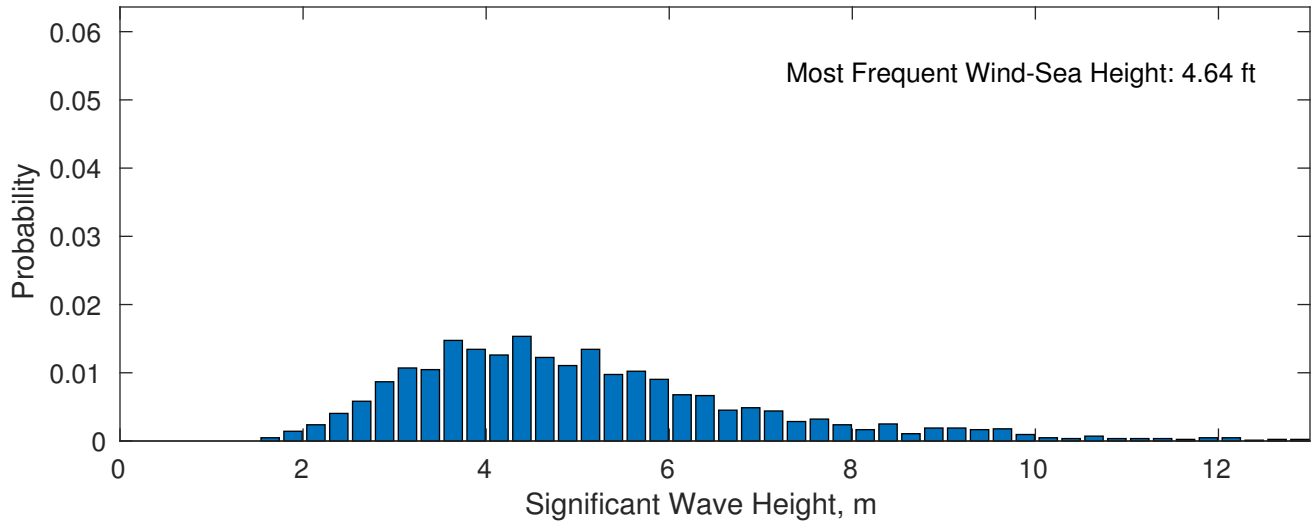




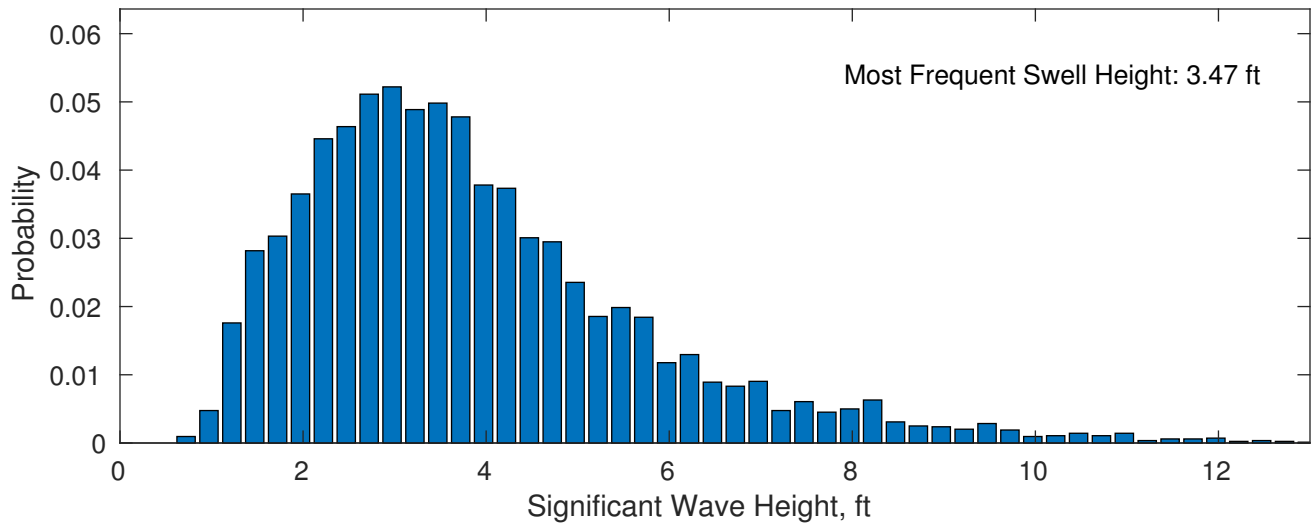
September Wave Height PDF: 1979 - 2015



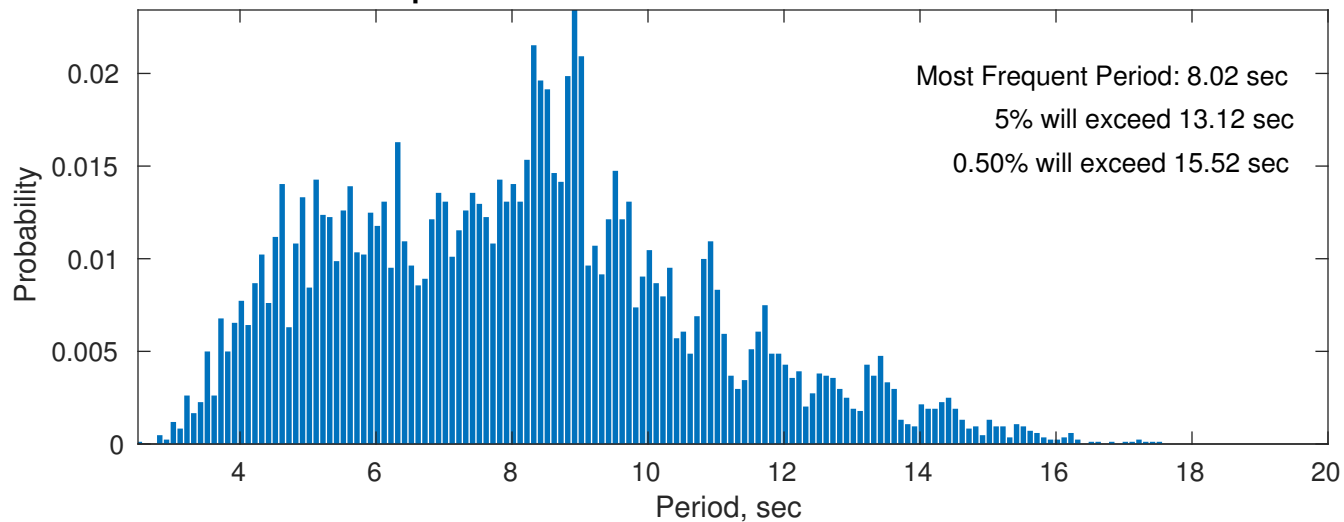
Wind-Sea: 22.12%



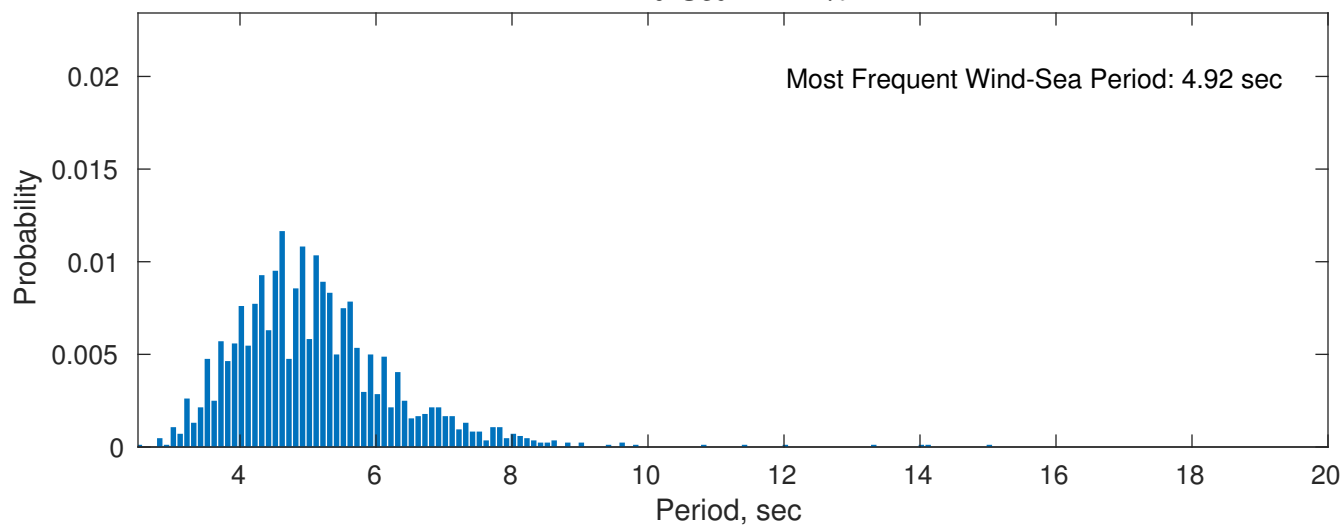
Swell: 77.88%



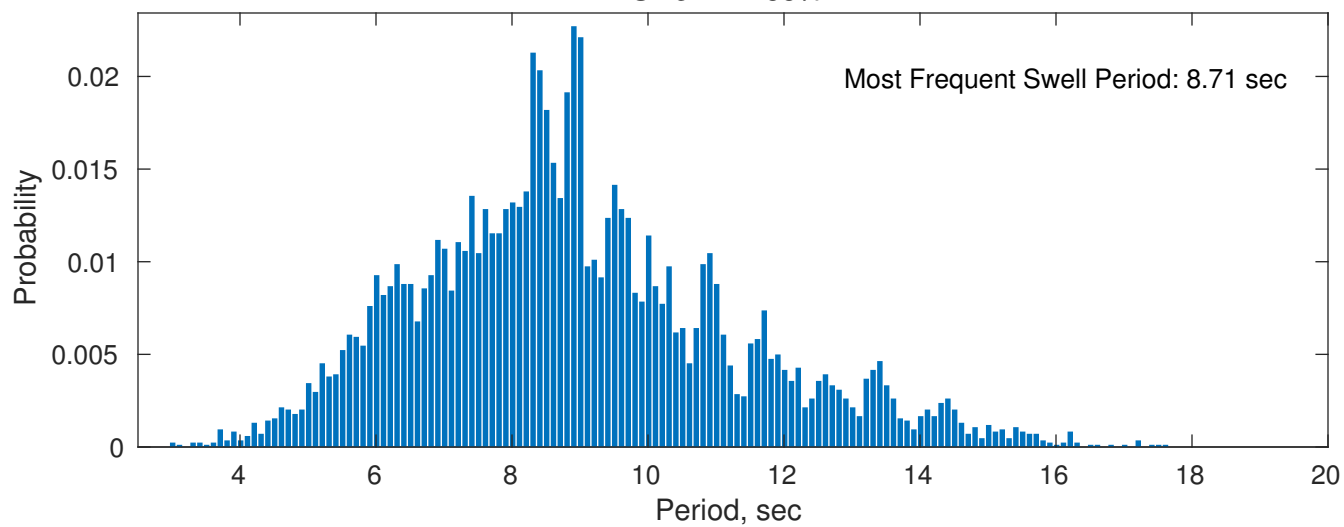
September Peak Wave Period PDF: 1979 - 2015



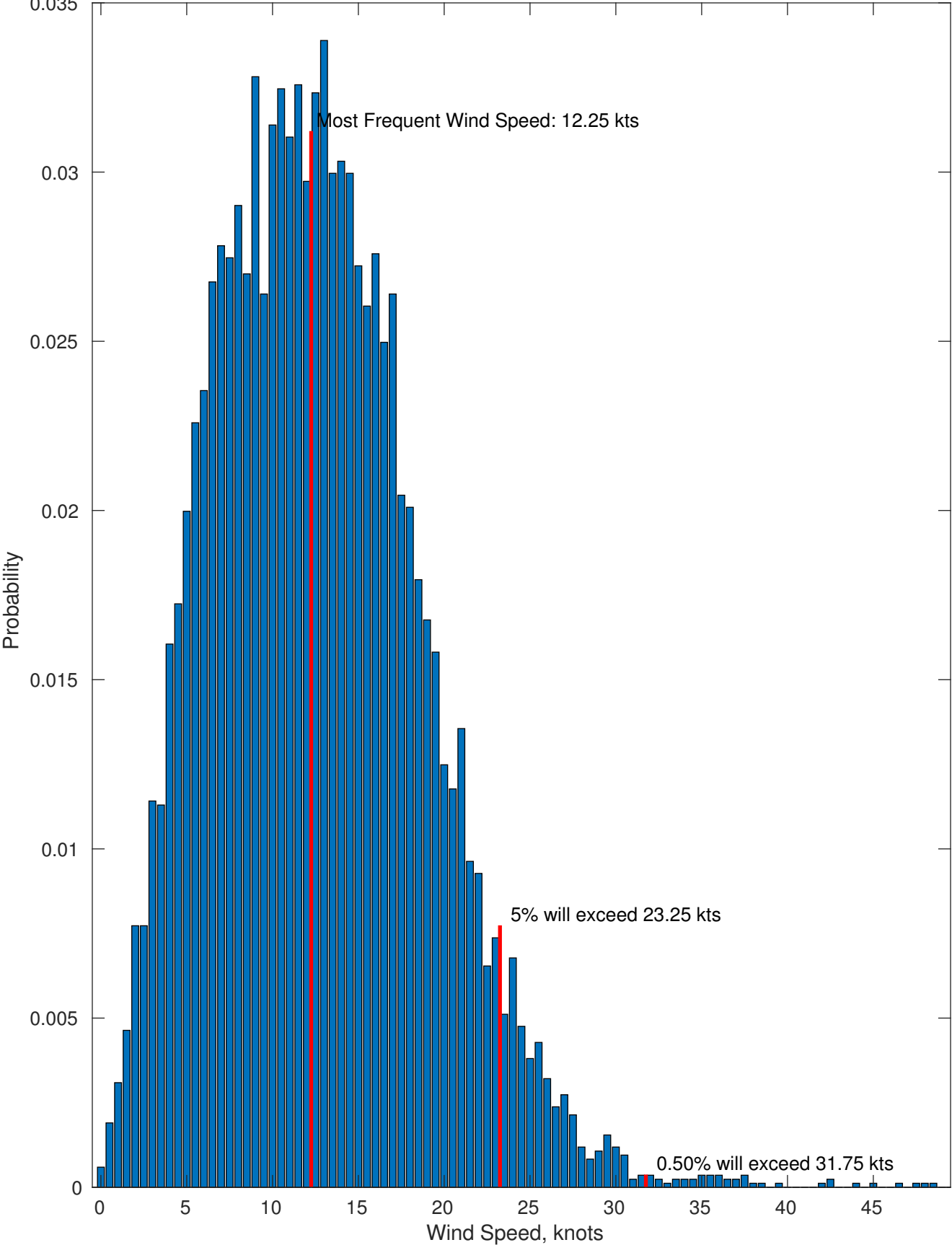
Wind-Sea: 22.12%



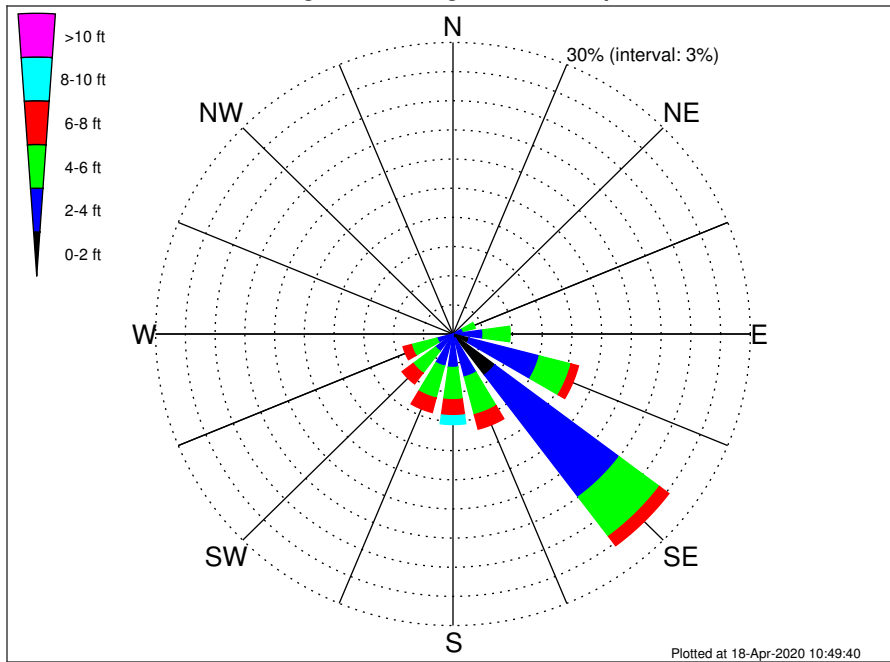
Swell: 77.88%



September Wind Speed PDF: 1979 - 2015



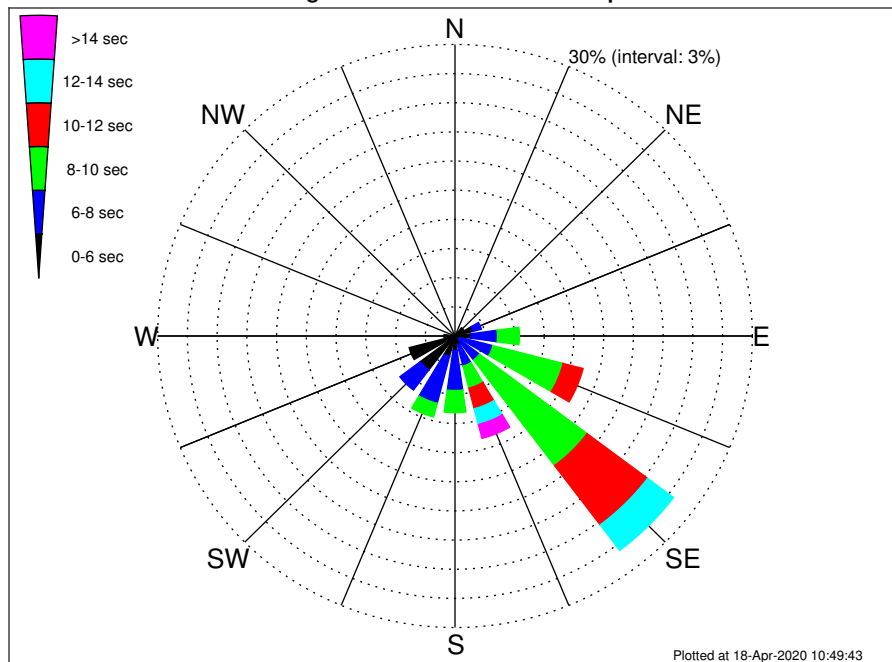
OCS A-0501 South Climatological WaveHeight Rose for September: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	0.05	0.08	•	•	•	•	•	•	•	•	•	0.13
1 - 2 ft	•	0.01	0.02	0.07	0.27	1.64	5.21	0.49	0.24	0.11	0.04	0.02	•	0.01	0.02	0.01	8.17
2 - 4 ft	0.55	0.26	0.29	1.00	2.76	7.31	15.71	4.08	3.21	3.31	2.18	1.64	0.62	0.40	0.34	0.29	43.94
4 - 6 ft	0.31	0.42	0.59	1.25	2.73	3.31	5.08	4.01	3.32	3.40	2.83	2.68	0.34	0.33	0.27	0.26	31.13
6 - 8 ft	0.04	0.15	0.17	0.38	0.73	0.77	1.20	1.55	1.64	1.53	1.39	0.87	0.17	0.10	0.02	0.11	10.81
8 - 10 ft	0.01	•	•	0.11	0.39	0.36	0.49	0.48	0.92	0.61	0.45	0.12	•	0.02	•	0.01	3.96
10 - 12 ft	0.01	•	0.01	0.05	0.01	0.06	0.19	0.14	0.27	0.27	0.08	•	•	0.01	•	•	1.12
12 - 14 ft	•	•	•	0.01	0.04	•	0.05	0.07	0.08	0.08	0.01	•	•	0.01	•	•	0.36
14 - 16 ft	•	•	•	•	•	•	•	0.04	0.08	0.06	•	•	•	•	•	•	0.18
16 - 18 ft	•	•	•	•	•	•	•	0.04	0.01	0.05	•	•	•	•	•	•	0.10
> 18 ft	•	•	•	•	•	•	•	•	0.04	0.08	•	•	•	•	•	•	0.12
Total	0.92	0.84	1.08	2.87	6.93	13.50	28.00	10.88	9.81	9.50	6.98	5.33	1.13	0.89	0.67	0.68	100.00

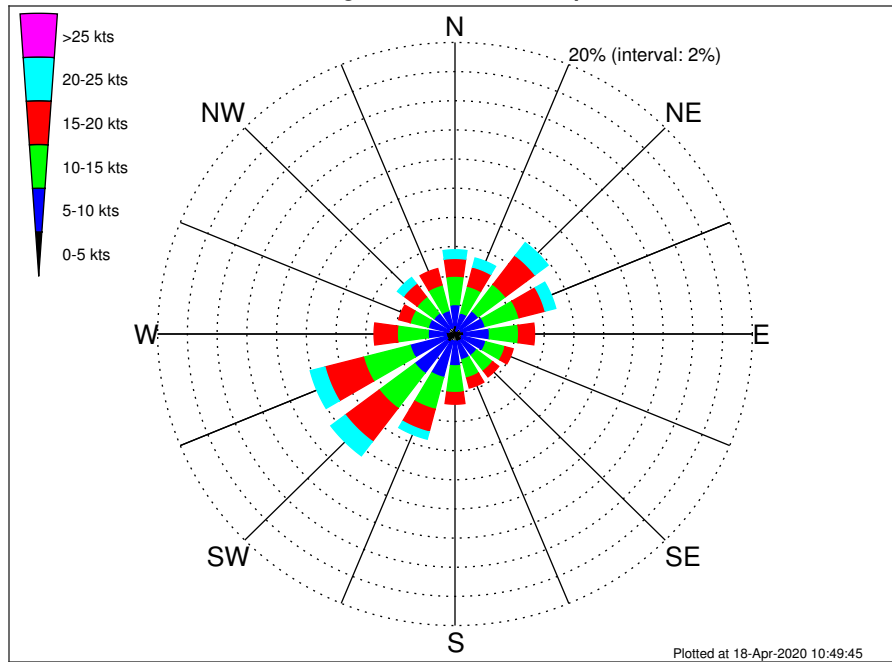
OCS A-0501 South Climatological WavePeriod Rose for September: 1979 - 2015



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	0.56	0.30	0.24	0.21	0.11	0.10	•	0.12	0.13	0.18	0.25	0.26	0.23	0.18	0.29	0.27	3.41
4 - 6 sec	0.34	0.55	0.83	1.69	1.50	0.56	0.44	0.82	1.36	2.01	4.13	4.52	0.89	0.67	0.38	0.40	21.08
6 - 8 sec	0.01	•	0.01	0.84	2.69	3.31	2.66	2.25	4.13	4.97	2.59	0.55	0.01	0.05	•	•	24.07
8 - 10 sec	•	•	•	0.12	2.21	7.31	13.59	2.35	2.28	1.45	0.01	•	•	•	•	•	29.33
10 - 12 sec	•	•	•	•	0.43	2.08	7.65	2.19	0.65	0.51	•	•	•	•	•	•	13.51
12 - 14 sec	•	•	•	•	•	0.14	3.27	1.68	0.68	0.20	•	•	•	•	•	•	5.97
14 - 16 sec	•	•	•	•	•	•	0.36	1.36	0.48	0.18	•	•	•	•	•	•	2.37
18 - 20 sec	•	•	•	•	•	•	0.04	0.12	0.11	•	•	•	•	•	•	•	0.26
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.92	0.84	1.08	2.87	6.93	13.50	28.00	10.88	9.81	9.50	6.98	5.33	1.13	0.89	0.67	0.68	100.00

OCS A-0501 South Climatological Wind Rose for September: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.04	•	0.01	0.01	0.01	•	0.02	0.01	0.05	0.02	0.01	•	0.02	0.02	0.01	•	0.25
0 - 5 kts	0.55	0.24	0.44	0.44	0.58	0.48	0.54	0.52	0.45	0.48	0.65	0.58	0.58	0.43	0.50	0.46	7.92
5 - 10 kts	1.44	1.26	1.50	1.64	1.72	1.66	1.26	1.28	1.69	2.58	2.71	2.53	1.20	1.40	1.26	1.19	26.34
10 - 15 kts	1.95	1.89	2.31	2.35	1.96	1.34	1.34	1.30	1.83	2.26	3.01	3.25	2.08	1.26	1.41	1.82	31.37
15 - 20 kts	1.21	1.36	2.49	1.82	1.07	0.56	0.52	0.71	0.80	1.61	2.85	2.68	1.56	0.80	1.14	1.17	22.33
20 - 25 kts	0.59	0.64	1.11	0.74	0.34	0.15	0.12	0.24	0.36	0.51	1.22	1.02	0.50	0.30	0.52	0.36	8.73
25 - 30 kts	0.11	0.24	0.25	0.24	0.13	0.10	0.07	0.04	0.13	0.19	0.19	0.15	0.05	0.13	0.14	0.17	2.32
30 - 35 kts	•	0.04	0.10	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.05	0.04	•	0.01	0.04	0.02	0.42
35 - 40 kts	•	0.02	0.06	•	•	•	0.01	0.04	0.01	0.01	•	•	0.02	•	0.02	0.02	0.23
40 - 45 kts	•	0.02	•	•	•	•	•	•	0.01	•	•	0.01	•	•	•	•	0.05
45 - 50 kts	0.01	0.01	•	•	•	•	•	•	0.01	0.01	0.01	•	•	•	•	•	0.06
Total	5.90	5.72	8.25	7.27	5.85	4.32	3.90	4.16	5.35	7.68	10.71	10.26	6.02	4.35	5.05	5.21	100.00