

Flower Gardens NMS - October

Weather Days

Wave Height > 6.0 ft Mean: 5.3 days Range: 2.5 - 8.0 days

Wave Height > 7.0 ft Mean: 3.2 days Range: 1.2 - 5.2 days

Wave Height > 8.0 ft Mean: 1.9 days Range: 0.3 - 3.5 days

Working Window Probability

Wave Height < 6.0 ft 3 days or longer: 68%

5 days or longer: 42%

7 days or longer: 28%

Wave Height < 7.0 ft 3 days or longer: 78%

5 days or longer: 54%

7 days or longer: 40%

Wave Height < 8.0 ft 3 days or longer: 79%

5 days or longer: 57%

7 days or longer: 51%

Waves

Mean Height: 2 - 4 ft

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

Mean Period: 4 - 6 sec

The wave periods will occasionally reach 8 - 10 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 35% / 65%

Winds

Mean Speed: 10 - 15 kts

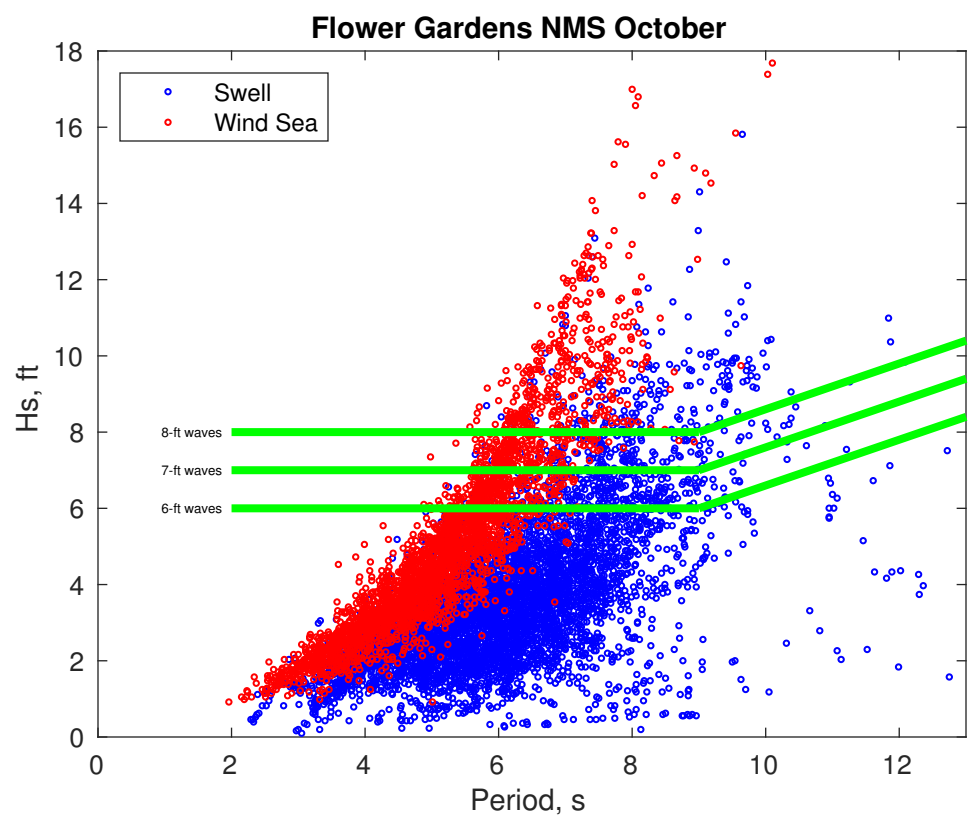
The winds will occasionally reach 30 - 35 kts, but rarely greater.

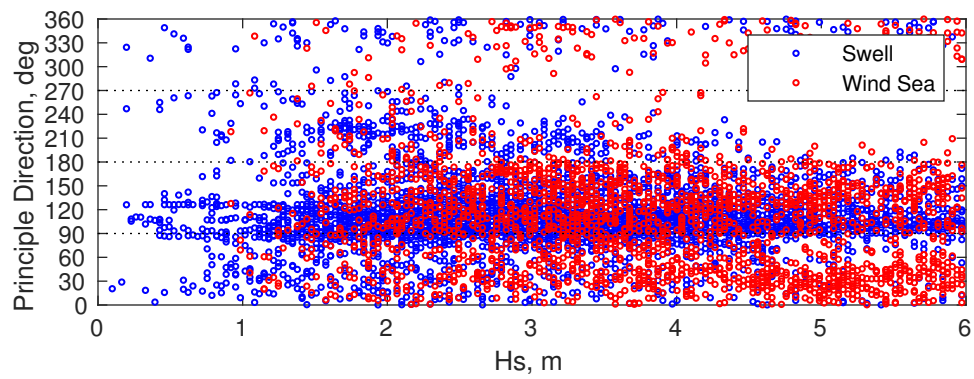
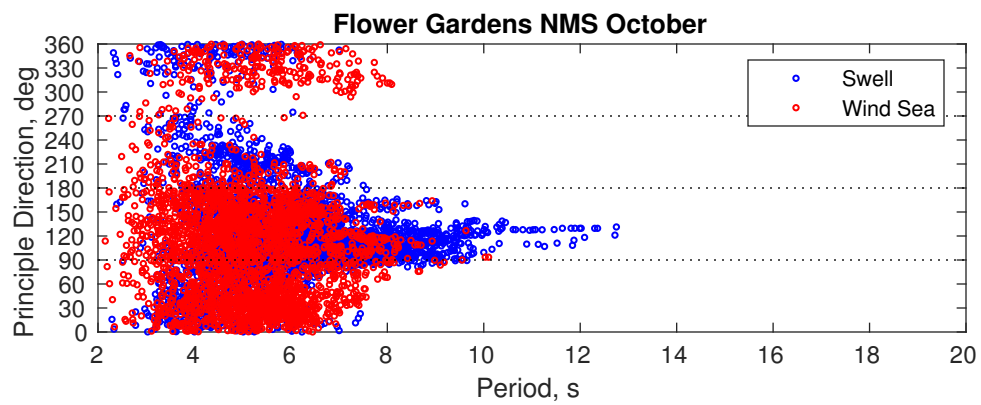
Principle Direction, from: SE

Severe Storms

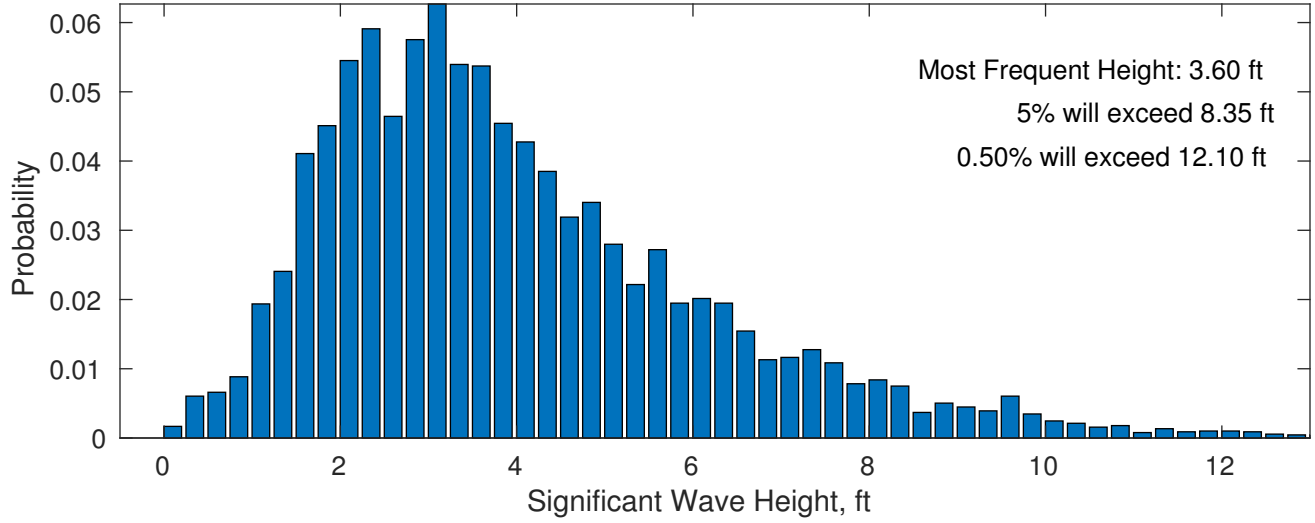
There is a 6 % chance of a storm with winds peaking above 34 kts.

There is a 6 % chance of a storm with waves peaking at 4m (13 ft) or greater.

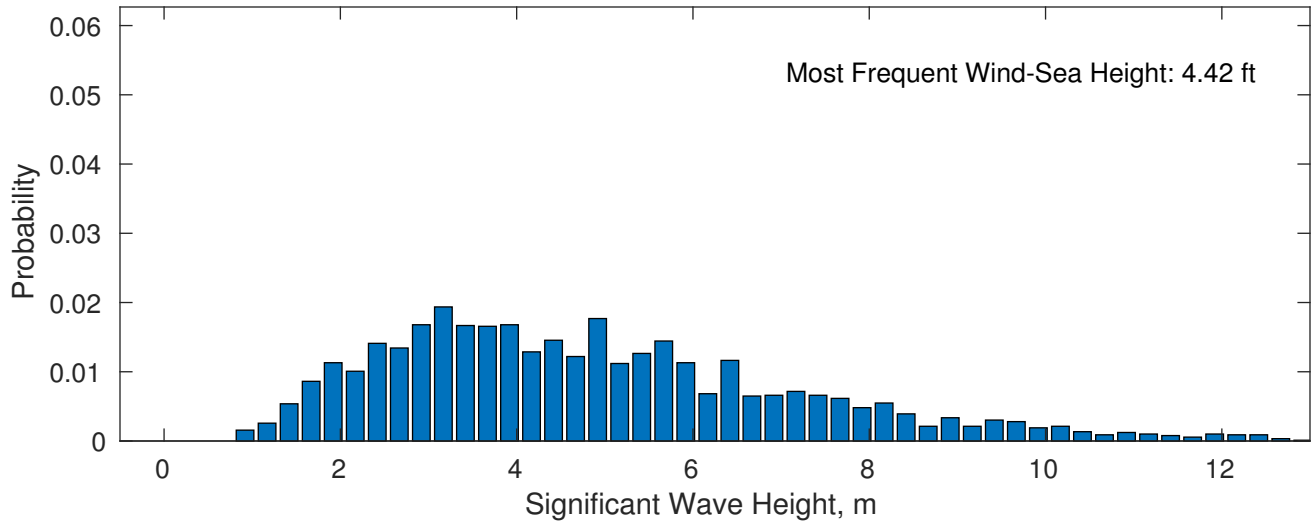




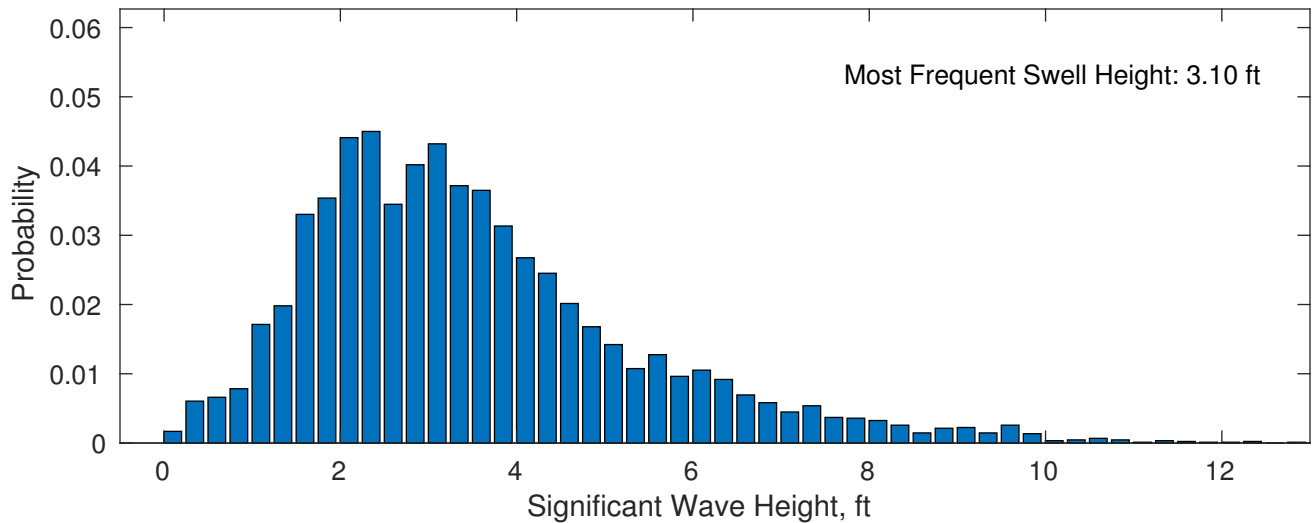
October Wave Height PDF: 1979 - 2015



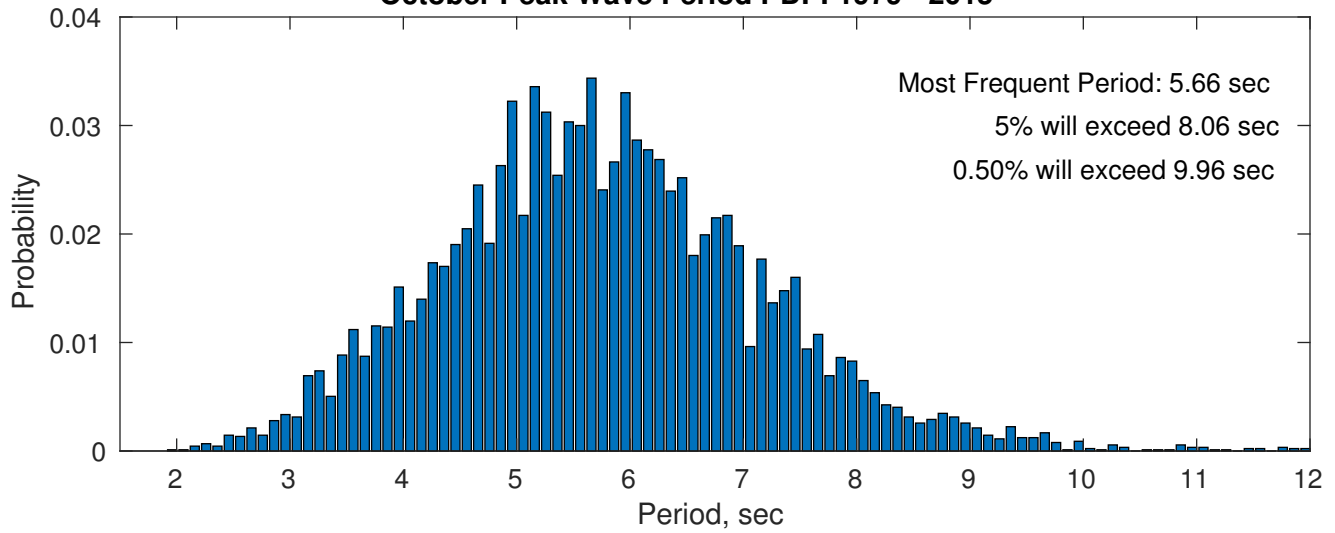
Wind-Sea: 35.49%



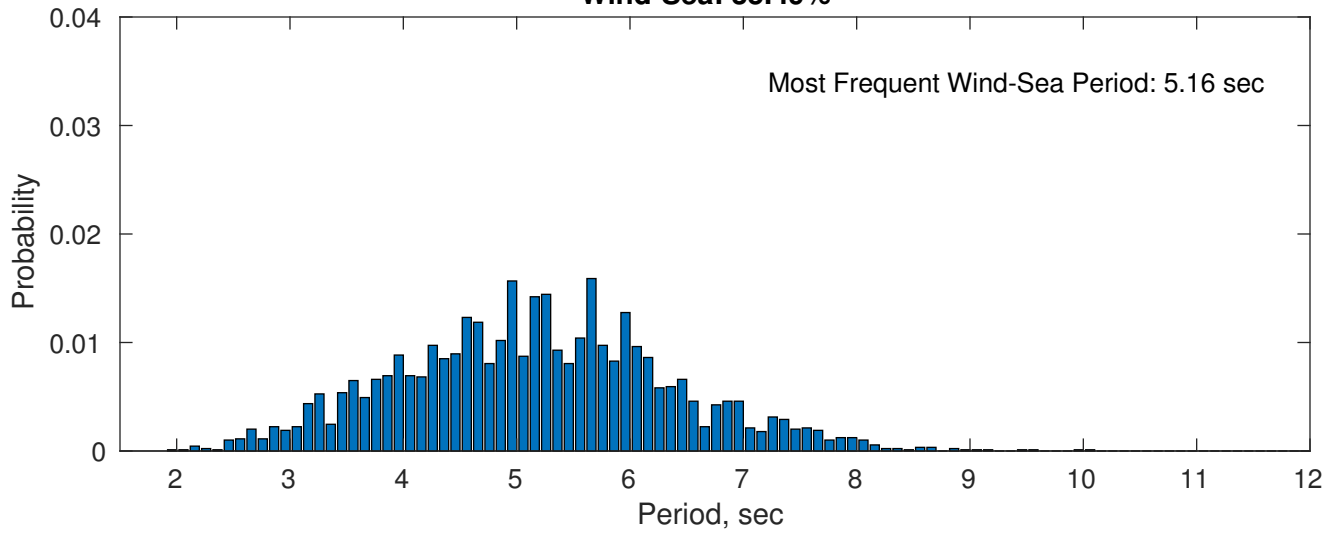
Swell: 64.51%



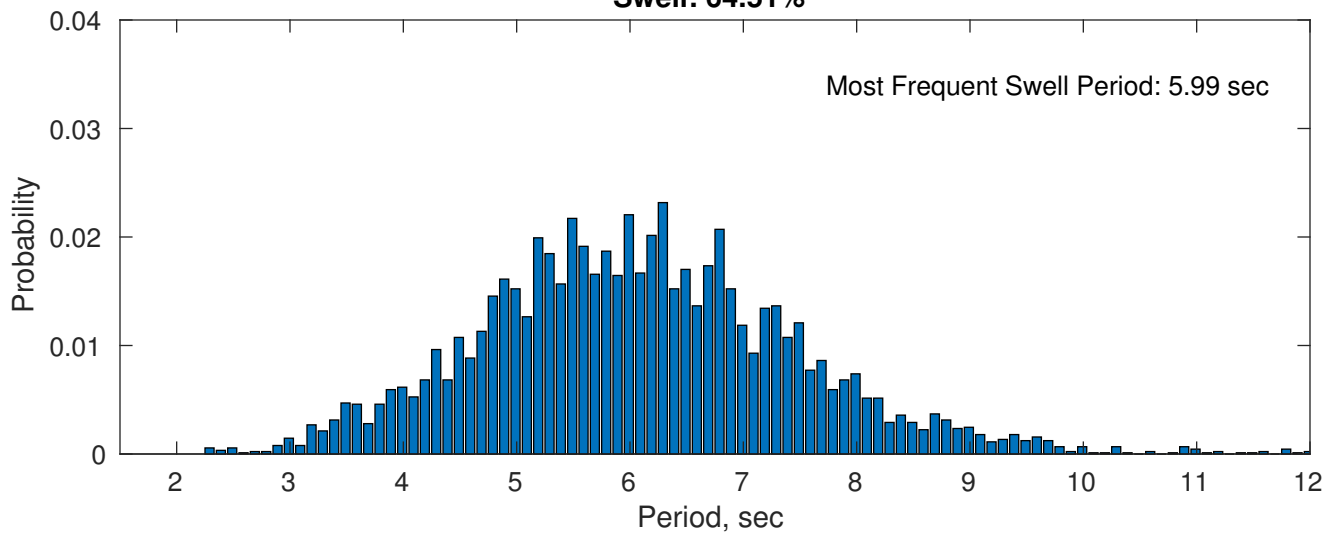
October Peak Wave Period PDF: 1979 - 2015



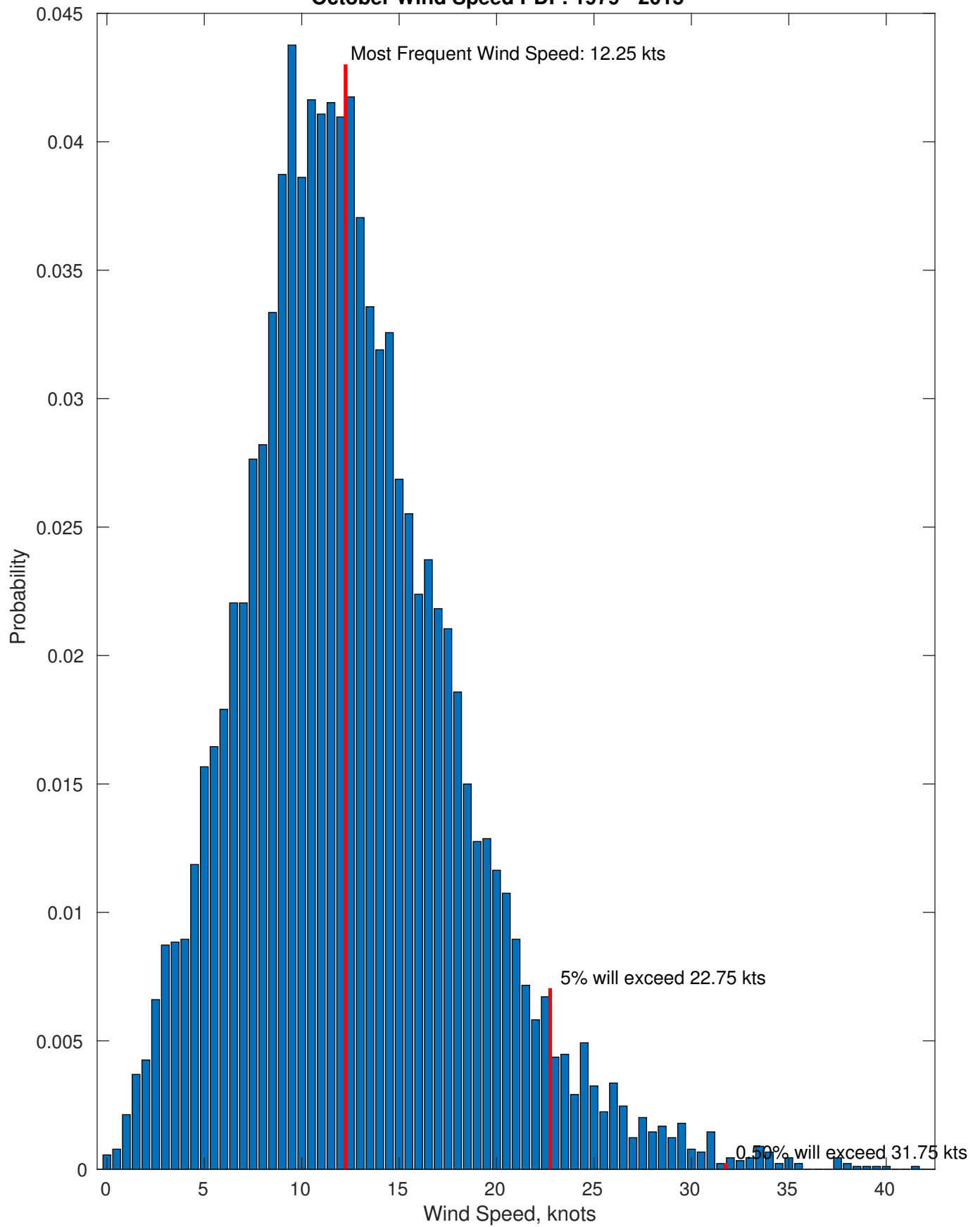
Wind-Sea: 35.49%



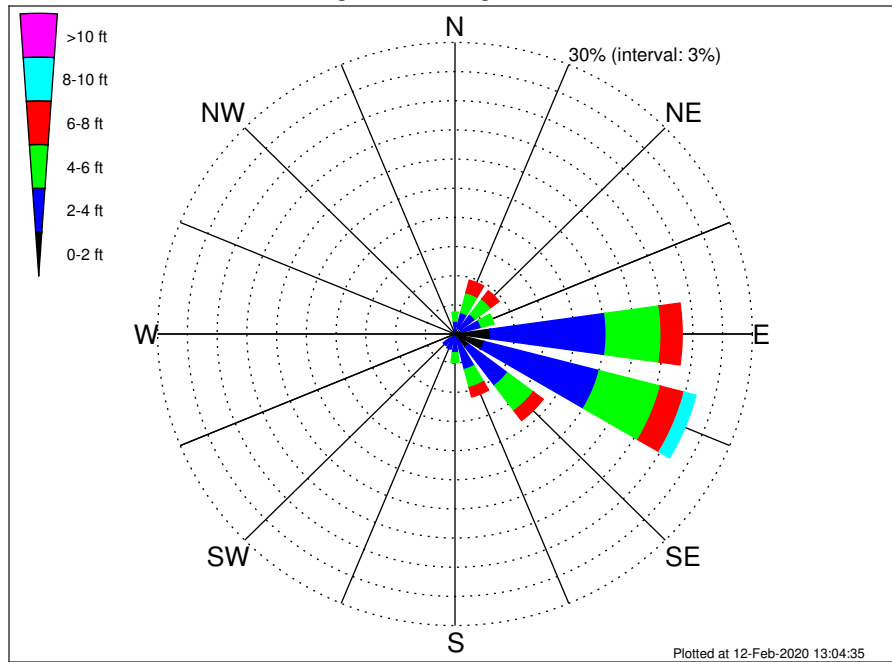
Swell: 64.51%



October Wind Speed PDF: 1979 - 2015



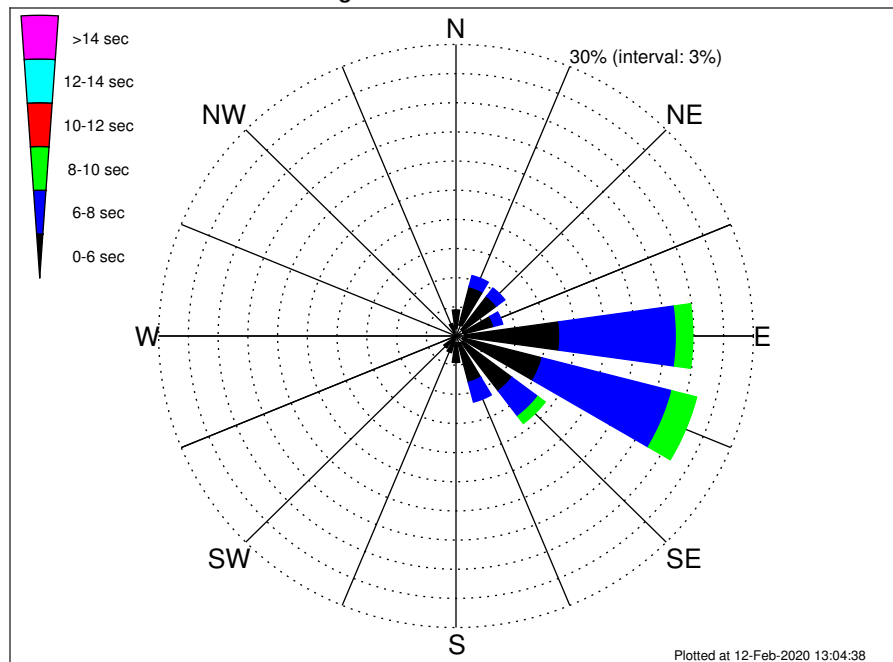
Flower Gardens NMS Climatological WaveHeight Rose for October: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.03	0.19	0.10	0.07	0.36	0.27	0.60	0.02	0.02	0.03	0.06	0.06	0.07	•	0.06	0.02	1.96
1 - 2 ft	0.25	0.59	0.58	0.65	3.21	2.76	1.10	0.41	0.24	0.37	0.58	0.15	0.18	0.07	0.04	0.18	11.36
2 - 4 ft	1.05	1.51	1.85	2.03	11.69	12.01	4.93	3.34	1.68	1.22	0.85	0.30	0.18	0.08	0.22	0.41	43.34
4 - 6 ft	0.94	2.09	1.97	1.32	5.54	6.37	3.27	1.91	0.99	0.31	0.06	•	0.02	0.01	0.26	0.47	25.53
6 - 8 ft	0.54	1.33	1.07	0.44	2.13	2.47	1.25	1.01	0.53	0.15	•	•	0.02	0.02	0.17	0.29	11.42
8 - 10 ft	0.26	0.51	0.31	0.21	0.64	1.23	0.44	0.37	0.03	0.16	•	•	0.01	0.01	0.19	0.11	4.49
10 - 12 ft	0.08	0.15	0.21	0.13	0.26	0.08	0.10	0.10	•	•	•	•	•	0.03	0.06	0.06	1.25
12 - 14 ft	0.01	0.04	0.08	0.02	0.03	•	•	0.06	•	•	•	•	•	0.03	0.11	0.02	0.41
14 - 16 ft	•	•	•	0.02	0.04	•	•	0.07	•	•	•	•	•	•	0.03	0.01	0.18
16 - 18 ft	•	•	•	•	0.02	•	•	•	•	•	•	•	•	•	0.03	•	0.06
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	3.16	6.42	6.18	4.89	23.92	25.20	11.69	7.29	3.48	2.24	1.54	0.50	0.48	0.26	1.18	1.58	100.00

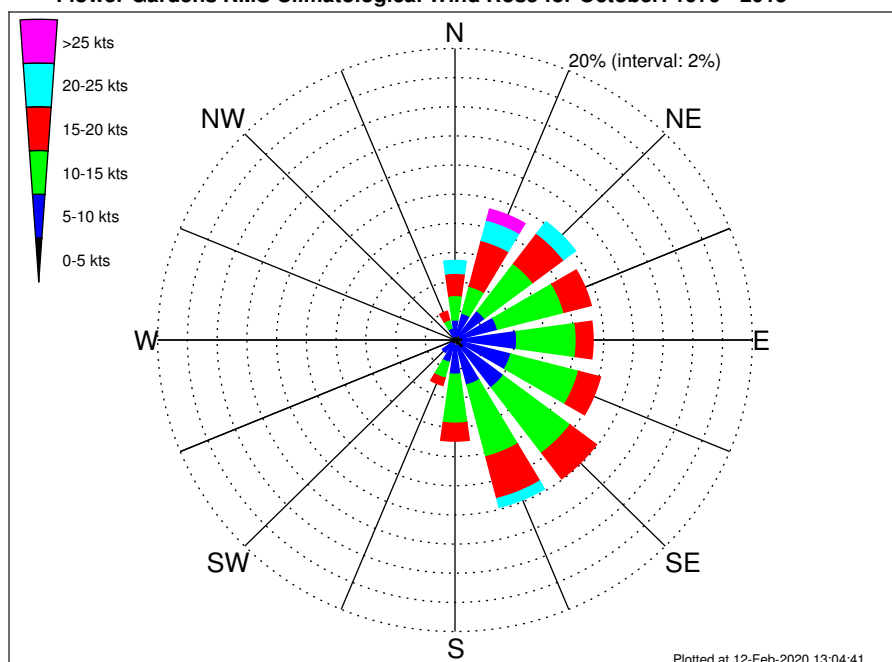
Flower Gardens NMS Climatological WavePeriod Rose for October: 1979 - 2015



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	.	.	.	.	.	.	.	.	.	.	0.01	.	.	.	.	.	0.01
2 - 4 sec	0.75	1.19	0.87	0.81	0.88	0.73	0.91	0.78	0.71	0.37	0.24	0.28	0.35	0.08	0.19	0.39	9.51
4 - 6 sec	1.94	4.06	4.25	3.15	9.60	8.26	6.18	4.14	2.03	1.41	1.30	0.22	0.11	0.10	0.56	0.94	48.25
6 - 8 sec	0.47	1.18	1.05	0.92	11.76	13.52	3.26	2.10	0.75	0.46	.	.	0.02	0.08	0.40	0.25	36.22
8 - 10 sec	.	.	.	0.02	1.65	2.57	0.93	0.26	.	.	.	.	.	.	0.02	.	5.45
10 - 12 sec	.	.	.	.	0.02	0.09	0.36	.	.	.	.	.	.	.	.	.	0.47
12 - 14 sec	.	.	.	.	.	0.02	0.06	.	.	.	.	.	.	.	.	.	0.08
14 - 16 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18 - 20 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22 - 24 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	3.16	6.42	6.18	4.89	23.92	25.20	11.69	7.29	3.48	2.24	1.54	0.50	0.48	0.26	1.18	1.58	100.00

Flower Gardens NMS 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	•	0.03	0.01	•	•	0.01	•	•	0.03	0.13
0 - 5 kts	0.26	0.30	0.41	0.38	0.51	0.48	0.69	0.44	0.36	0.27	0.31	0.21	0.16	0.18	0.31	0.22	5.51
5 - 10 kts	1.12	1.59	2.06	2.56	3.63	3.39	3.36	2.74	1.96	1.30	0.75	0.48	0.29	0.40	0.37	0.58	26.58
10 - 15 kts	1.68	1.91	4.06	4.61	4.01	4.71	5.63	5.09	3.36	1.12	0.47	0.25	0.12	0.19	0.26	0.59	38.07
15 - 20 kts	1.52	3.25	2.60	1.90	1.13	1.52	2.23	2.97	1.23	0.53	0.08	0.11	0.02	0.10	0.27	0.60	20.06
20 - 25 kts	0.88	1.44	1.02	0.43	0.37	0.30	0.41	0.63	0.46	0.21	0.03	0.01	0.01	0.01	0.22	0.32	6.77
25 - 30 kts	0.32	0.56	0.30	0.11	0.06	0.01	0.04	0.11	0.12	0.03	0.01	•	•	0.06	0.11	0.21	2.07
30 - 35 kts	0.04	0.21	0.06	0.02	•	•	•	0.02	•	•	0.01	•	•	0.01	0.16	0.08	0.62
35 - 40 kts	0.02	0.01	0.03	0.02	•	•	•	•	•	•	•	•	•	•	0.08	•	0.17
40 - 45 kts	•	•	0.01	•	•	•	•	•	•	•	•	•	•	•	0.01	•	0.02
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	5.85	9.28	10.57	10.05	9.72	10.42	12.38	12.00	7.52	3.47	1.67	1.06	0.62	0.95	1.79	2.65	100.00