

Flower Gardens NMS - November

Weather Days

Wave Height > 6.0 ft Mean: 7.6 days Range: 5.1 - 10.0 days

Wave Height > 7.0 ft Mean: 4.5 days Range: 2.9 - 6.0 days

Wave Height > 8.0 ft Mean: 2.5 days Range: 1.2 - 3.7 days

Working Window Probability

Wave Height < 6.0 ft 3 days or longer: 54%

5 days or longer: 21%

7 days or longer: 12%

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

5 days or longer: 31%

7 days or longer: 21%

Wave Height < 8.0 ft 3 days or longer: 77%

5 days or longer: 44%

7 days or longer: 36%

Waves

Mean Height: 4 - 6 ft

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

Mean Period: 4 - 6 sec

The wave periods will occasionally reach 10 - 12 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 43% / 57%

Winds

Mean Speed: 10 - 15 kts

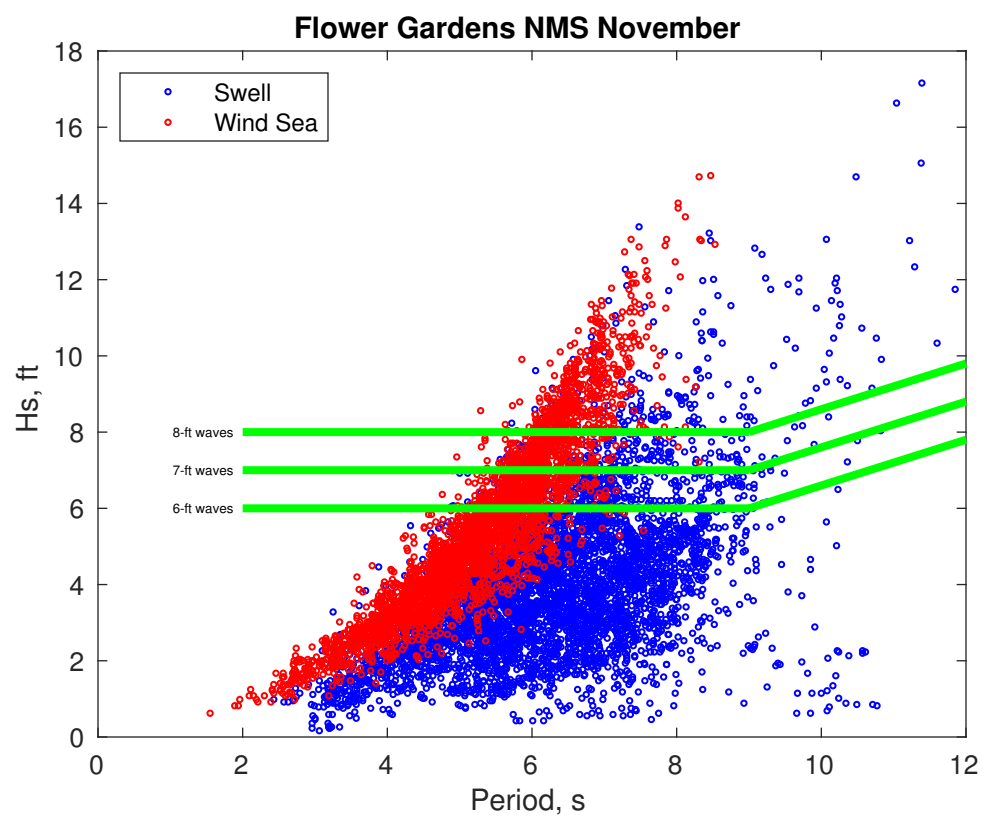
The winds will occasionally reach 30 - 35 kts, but rarely greater.

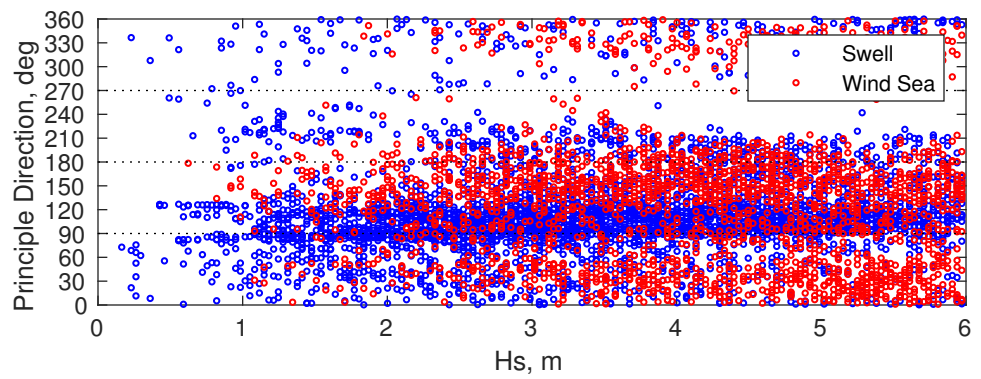
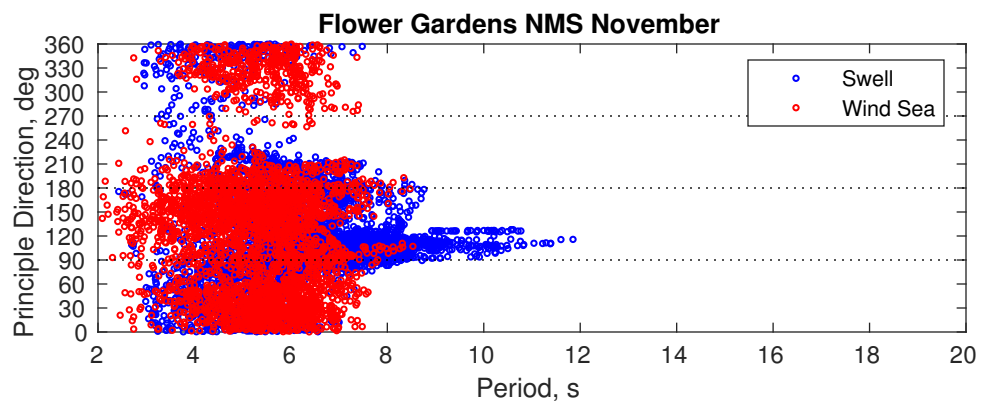
Principle Direction, from: SSE

Severe Storms

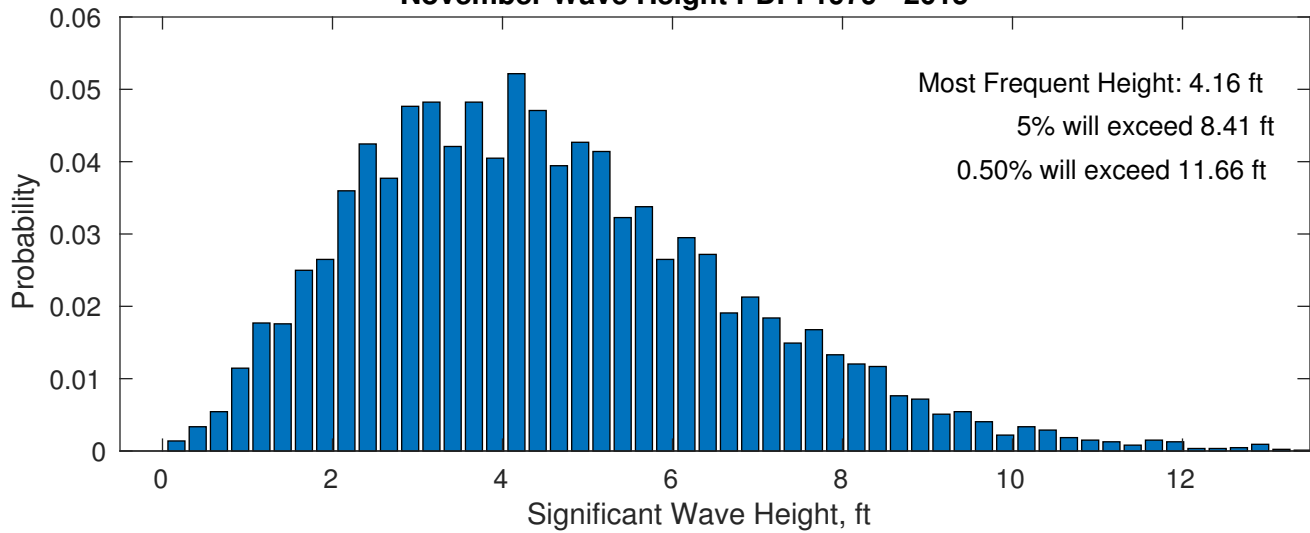
There is a 3 % chance of a storm with winds peaking above 34 kts.

There is a 11 % chance of a storm with waves peaking at 4m (13 ft) or greater.

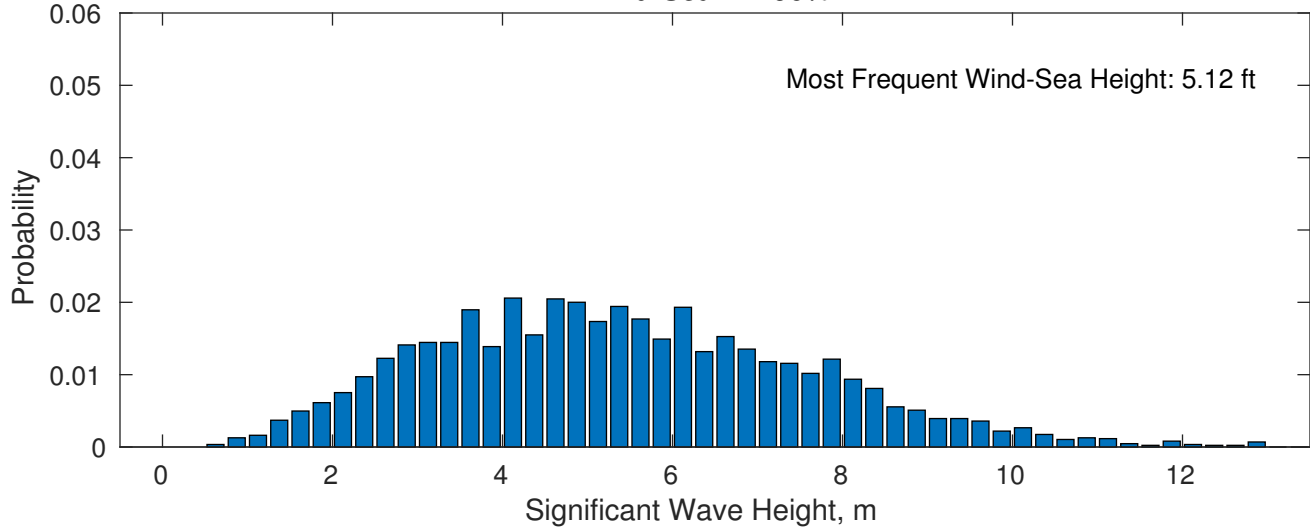




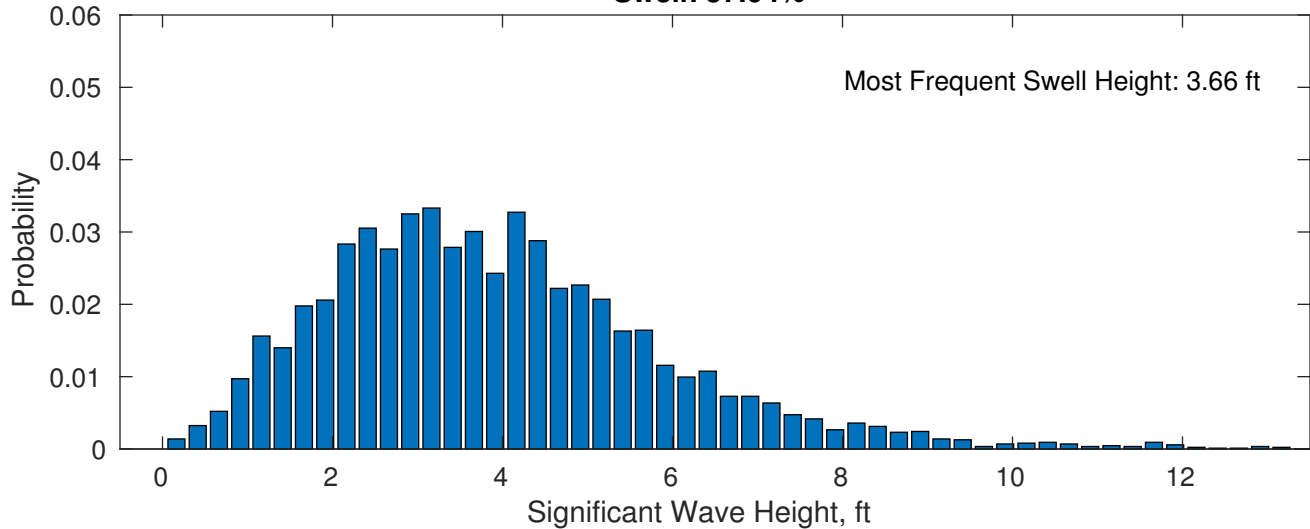
November Wave Height PDF: 1979 - 2015



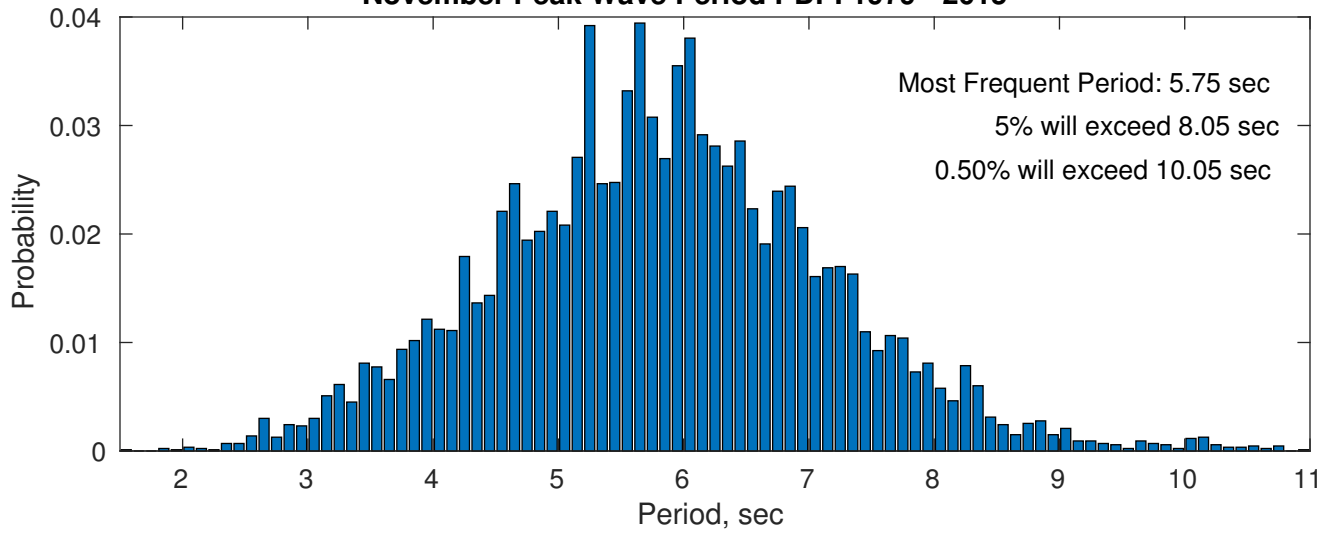
Wind-Sea: 42.96%



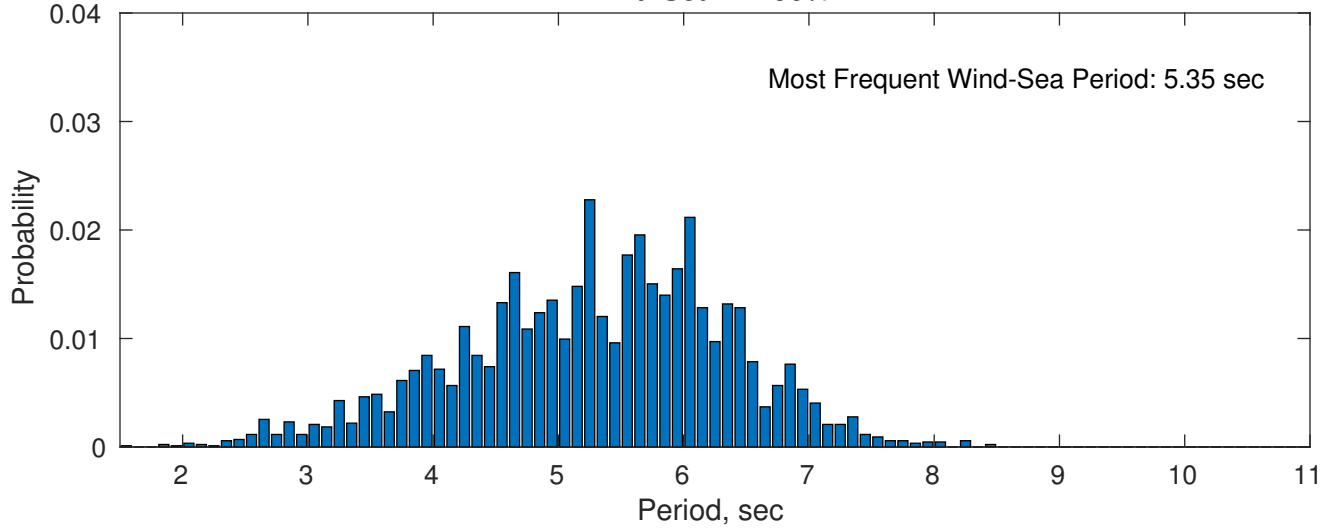
Swell: 57.04%



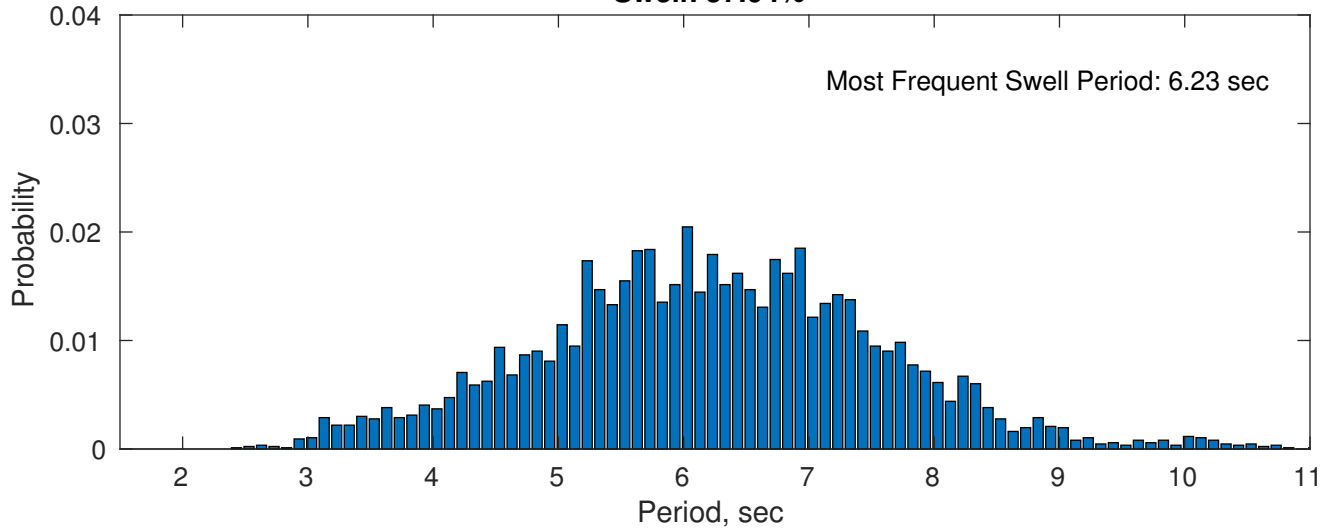
November Peak Wave Period PDF: 1979 - 2015



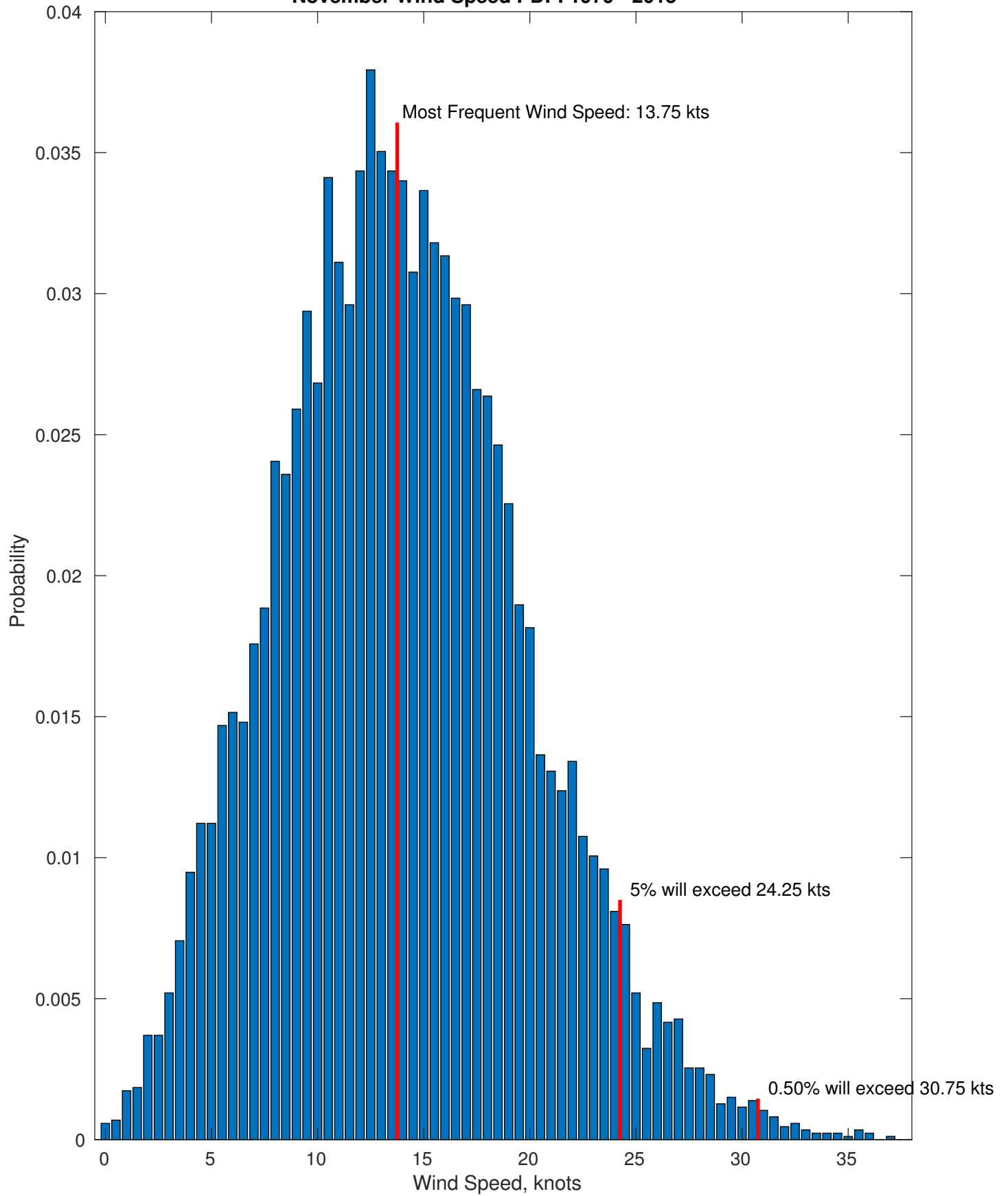
Wind-Sea: 42.96%



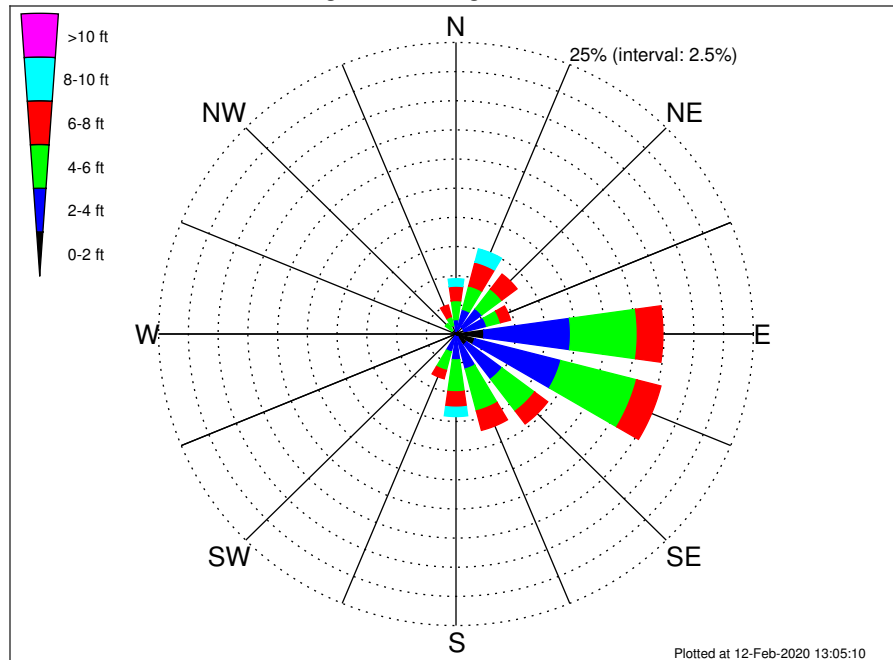
Swell: 57.04%



November Wind Speed PDF: 1979 - 2015



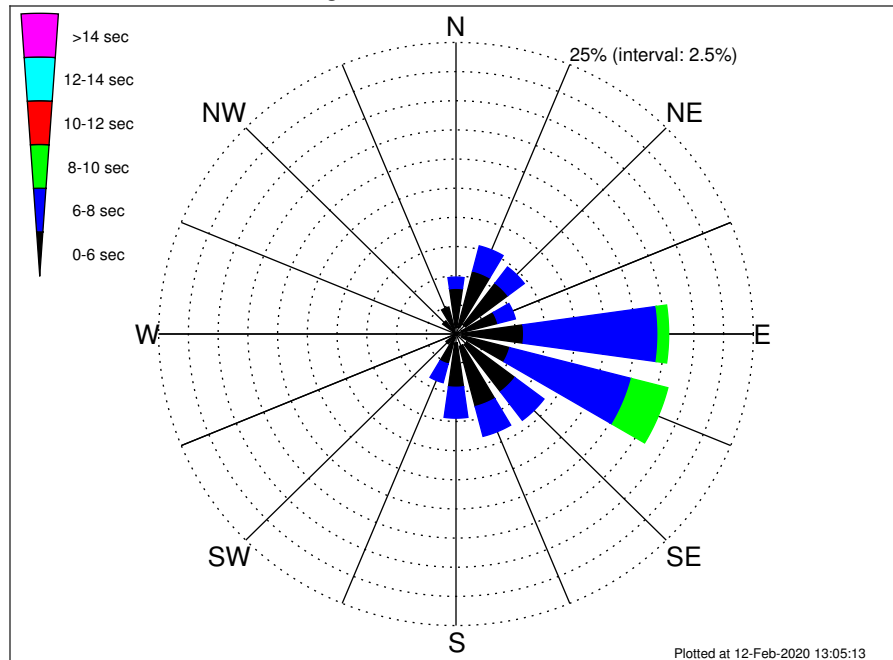
Flower Gardens NMS Climatological WaveHeight Rose for November: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.05	0.06	0.14	0.14	0.22	0.19	0.25	0.05	0.06	0.05	0.01	0.01	0.07	•	0.03	0.05	1.36
1 - 2 ft	0.21	0.34	0.61	0.58	2.13	1.45	0.87	0.25	0.21	0.15	0.39	0.15	0.01	0.03	0.08	0.13	7.59
2 - 4 ft	0.98	1.79	1.97	1.94	7.29	7.48	3.72	2.80	1.95	1.39	0.62	0.07	0.14	0.14	0.32	0.59	33.21
4 - 6 ft	1.63	2.08	2.11	1.20	5.61	6.57	3.44	3.71	2.74	1.64	0.07	0.01	0.07	0.28	0.68	0.77	32.62
6 - 8 ft	1.24	2.11	1.61	0.87	2.15	2.12	1.38	1.72	1.32	0.74	•	0.02	0.07	0.23	0.35	1.03	16.94
8 - 10 ft	0.64	1.17	0.57	0.35	0.45	0.53	0.25	0.50	0.80	0.35	0.01	•	0.08	0.14	0.30	0.21	6.34
10 - 12 ft	0.09	0.25	0.16	0.07	0.07	0.25	0.02	0.15	0.23	•	•	•	0.03	0.03	0.05	0.07	1.49
12 - 14 ft	0.05	0.01	0.03	0.01	•	0.13	•	0.03	0.08	0.01	•	•	•	•	•	0.01	0.37
14 - 16 ft	•	•	•	•	•	0.02	•	0.01	0.02	•	•	•	•	•	•	•	0.06
16 - 18 ft	•	•	•	•	•	0.02	•	•	•	•	•	•	•	•	•	•	0.02
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	4.88	7.81	7.19	5.16	17.92	18.76	9.94	9.23	7.41	4.33	1.11	0.27	0.47	0.86	1.82	2.86	100.00

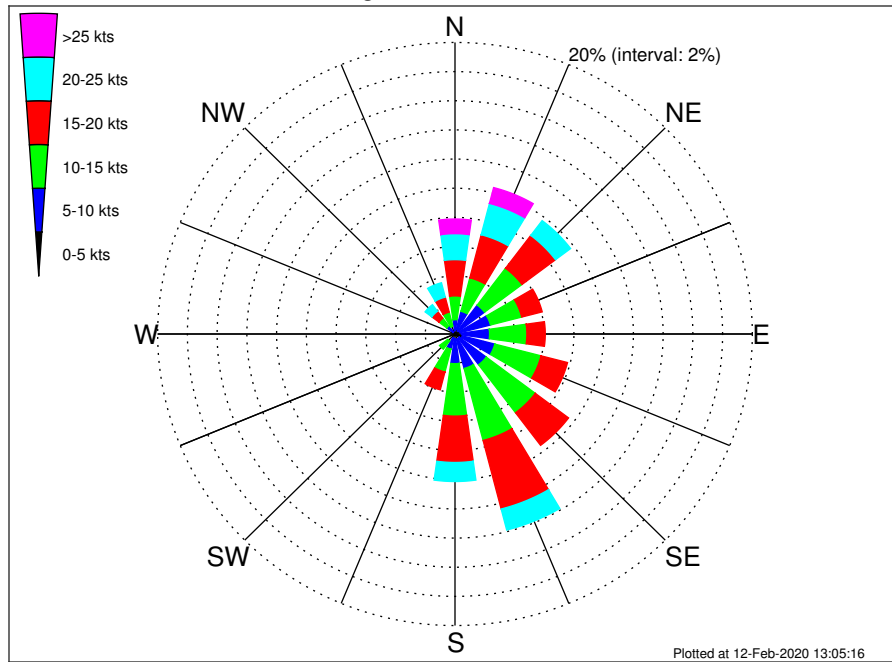
Flower Gardens NMS Climatological WavePeriod Rose for November: 1979 - 2015



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	0.02	.	.	.	.	.	.	.	0.05
2 - 4 sec	0.54	0.61	0.99	0.52	0.53	0.54	1.12	1.08	0.74	0.35	0.13	0.10	0.13	0.03	0.21	0.44	8.07
4 - 6 sec	3.38	4.97	4.48	3.11	5.16	4.13	5.08	5.34	3.81	2.30	0.94	0.14	0.20	0.60	1.20	1.95	46.78
6 - 8 sec	0.96	2.22	1.72	1.53	11.30	10.57	3.05	2.64	2.65	1.67	0.05	0.02	0.15	0.22	0.40	0.46	39.61
8 - 10 sec	.	.	.	.	0.89	3.16	0.49	0.16	0.20	0.01	.	.	.	.	.	.	4.90
10 - 12 sec	.	.	.	.	0.03	0.36	0.19	.	.	.	.	.	.	.	.	.	0.58
12 - 14 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
18 - 20 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
22 - 24 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	4.88	7.81	7.19	5.16	17.92	18.76	9.94	9.23	7.41	4.33	1.11	0.27	0.47	0.86	1.82	2.86	100.00

Flower Gardens NMS Climatological Wind Rose for November: 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	•	•	•	0.01	0.01	0.01	•	0.01	0.01	0.02	•	0.13
0 - 5 kts	0.23	0.32	0.27	0.34	0.42	0.51	0.36	0.39	0.32	0.29	0.20	0.14	0.20	0.13	0.15	0.14	4.40
5 - 10 kts	0.75	1.27	2.21	2.12	1.90	2.26	2.28	2.05	1.70	0.77	0.39	0.38	0.17	0.34	0.52	0.42	19.52
10 - 15 kts	1.63	2.37	3.16	2.17	2.51	3.22	4.13	5.10	3.60	1.62	0.71	0.35	0.22	0.38	0.66	0.99	32.81
15 - 20 kts	2.49	3.05	2.82	1.42	1.24	1.84	2.80	4.86	3.18	1.26	0.34	0.16	0.14	0.28	0.60	1.06	27.54
20 - 25 kts	1.78	2.22	1.27	0.46	0.19	0.31	0.34	1.49	1.31	0.40	0.12	0.05	0.07	0.09	0.57	1.02	11.68
25 - 30 kts	0.71	0.98	0.15	0.12	0.07	0.05	•	0.15	0.21	0.10	0.02	0.01	•	0.16	0.16	0.30	3.19
30 - 35 kts	0.25	0.14	•	0.01	0.02	•	0.01	0.01	0.05	0.01	0.01	•	•	0.02	0.07	0.03	0.65
35 - 40 kts	0.05	•	•	•	•	•	•	•	•	0.01	•	•	•	•	•	0.02	0.08
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	7.89	10.37	9.89	6.65	6.35	8.18	9.91	14.05	10.37	4.49	1.79	1.09	0.81	1.41	2.75	3.99	100.00