

Flower Gardens NMS - February

Weather Days

Wave Height > 6.0 ft Mean: 7.9 days Range: 5.0 - 10.7 days

Wave Height > 7.0 ft Mean: 4.6 days Range: 2.6 - 6.6 days

Wave Height > 8.0 ft Mean: 2.5 days Range: 1.0 - 4.0 days

Working Window Probability

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

5 days or longer: 18%

7 days or longer: 7%

Wave Height < 7.0 ft 3 days or longer: 64%

5 days or longer: 29%

7 days or longer: 17%

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

5 days or longer: 44%

7 days or longer: 29%

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 8 - 10 sec, but rarely longer.

Principle Direction, from: ESE

WindSea/Swell: 45% / 55%

Winds

Mean Speed: 10 - 15 kts

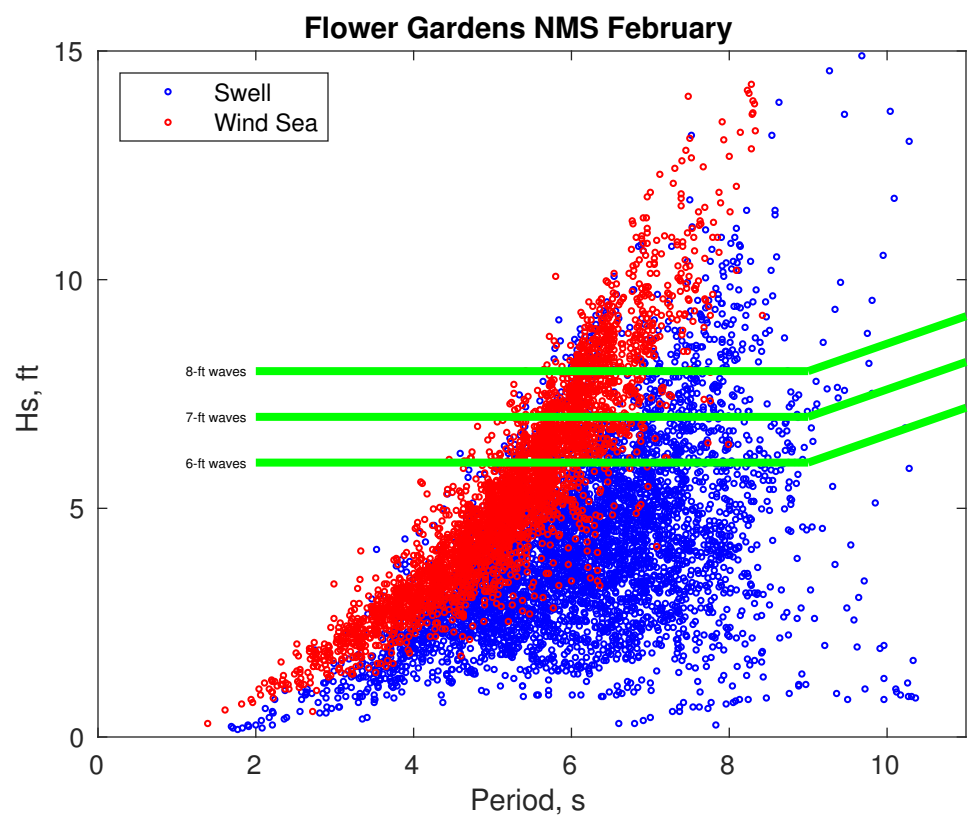
The winds will occasionally reach 30 - 35 kts, but rarely greater.

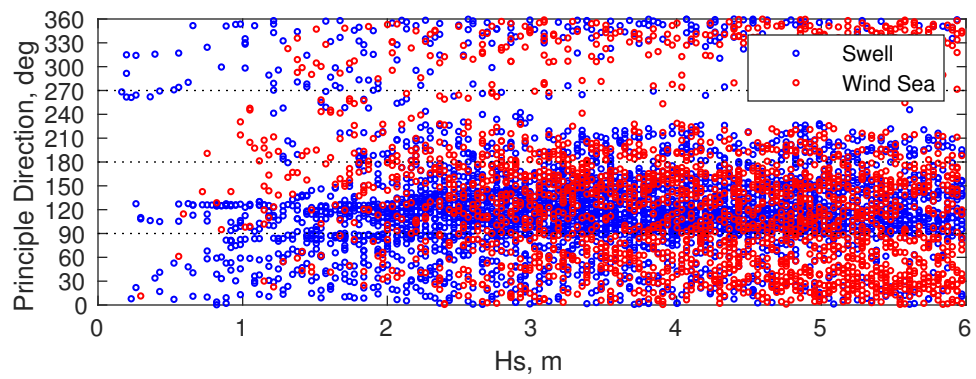
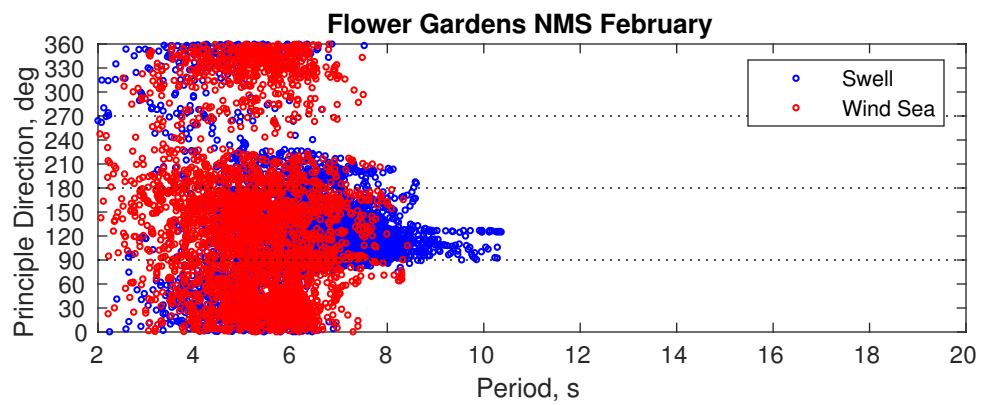
Principle Direction, from: SSE

Severe Storms

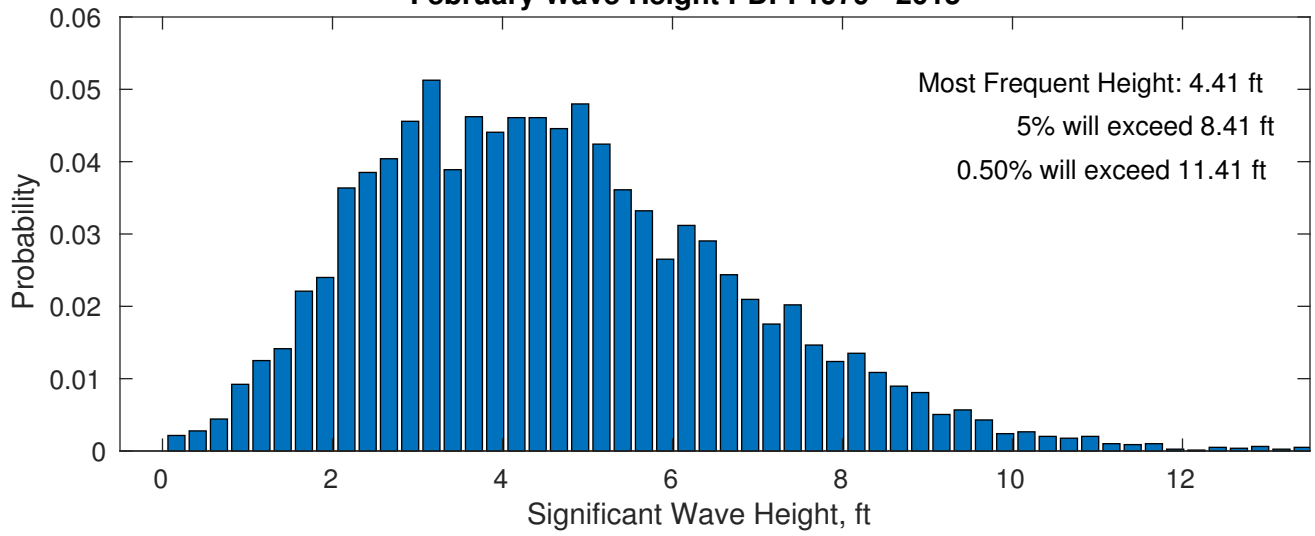
There is a 9 % chance of a storm with winds peaking above 34 kts.

There is a 9 % chance of a storm with waves peaking at 4m (13 ft) or greater.

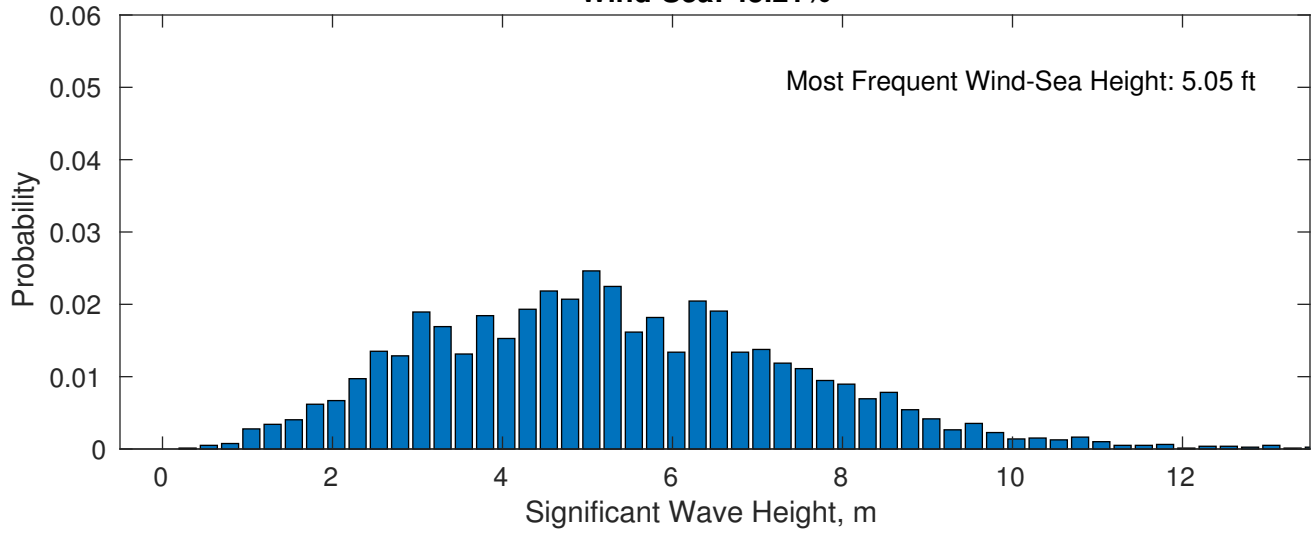




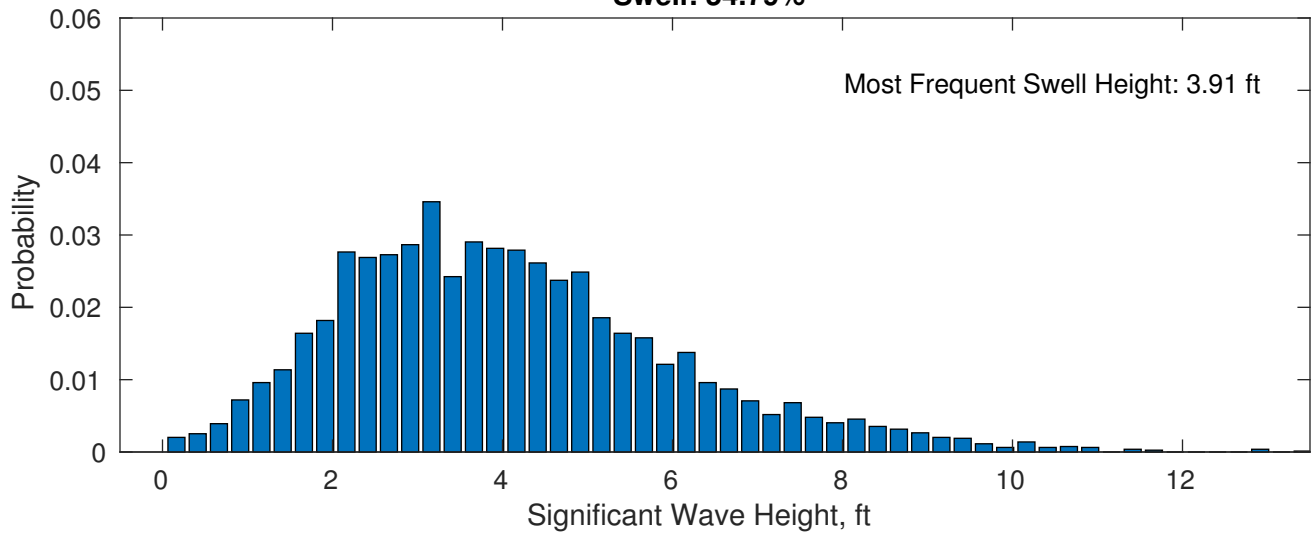
February Wave Height PDF: 1979 - 2015



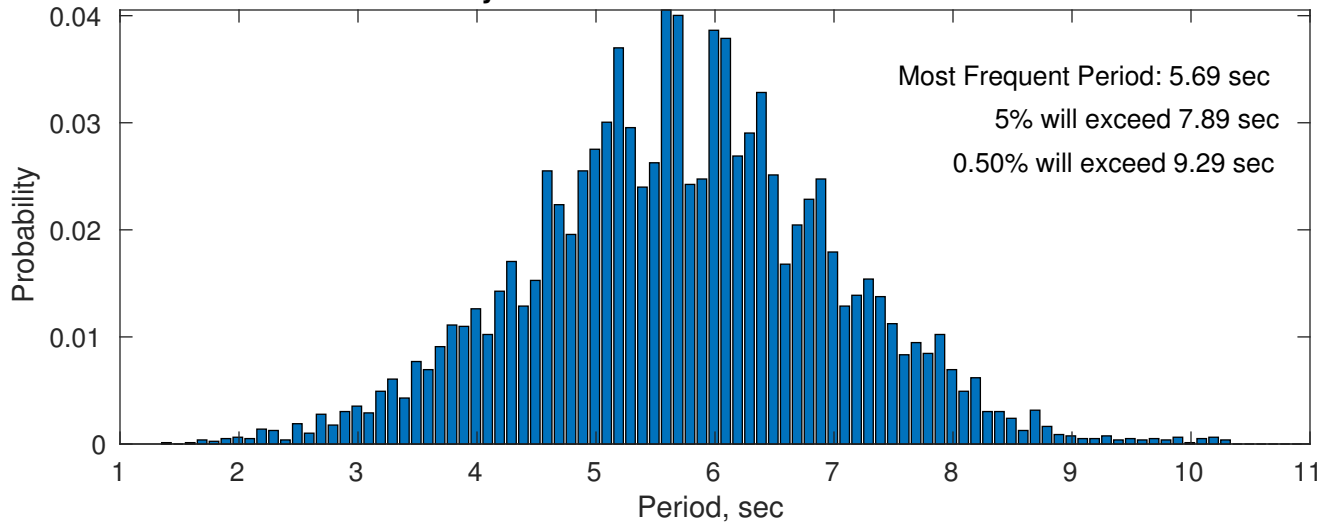
Wind-Sea: 45.21%



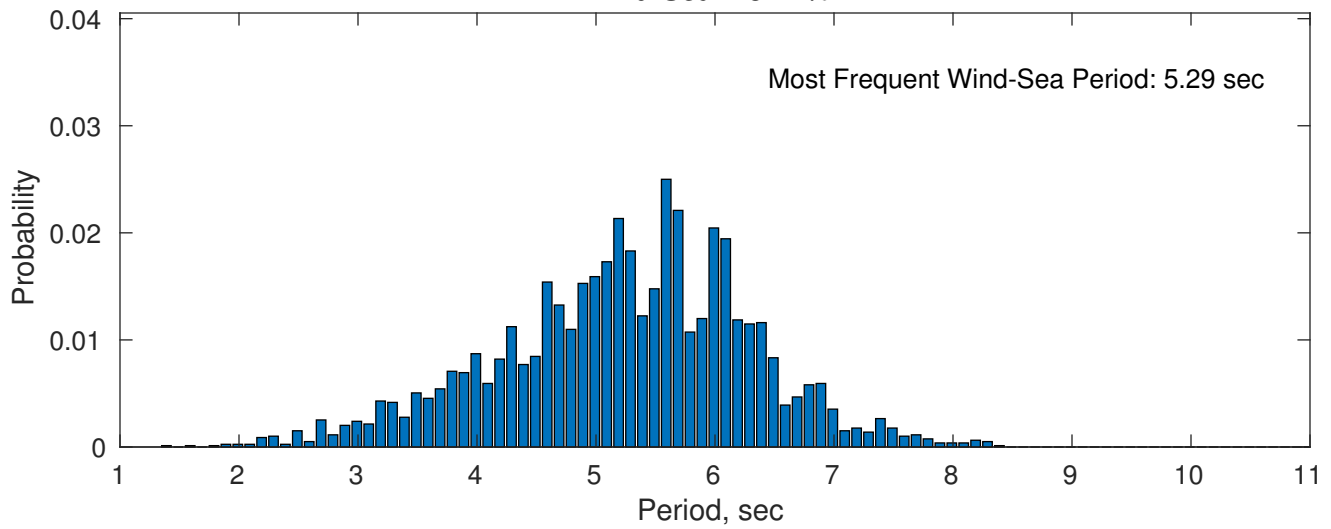
Swell: 54.79%



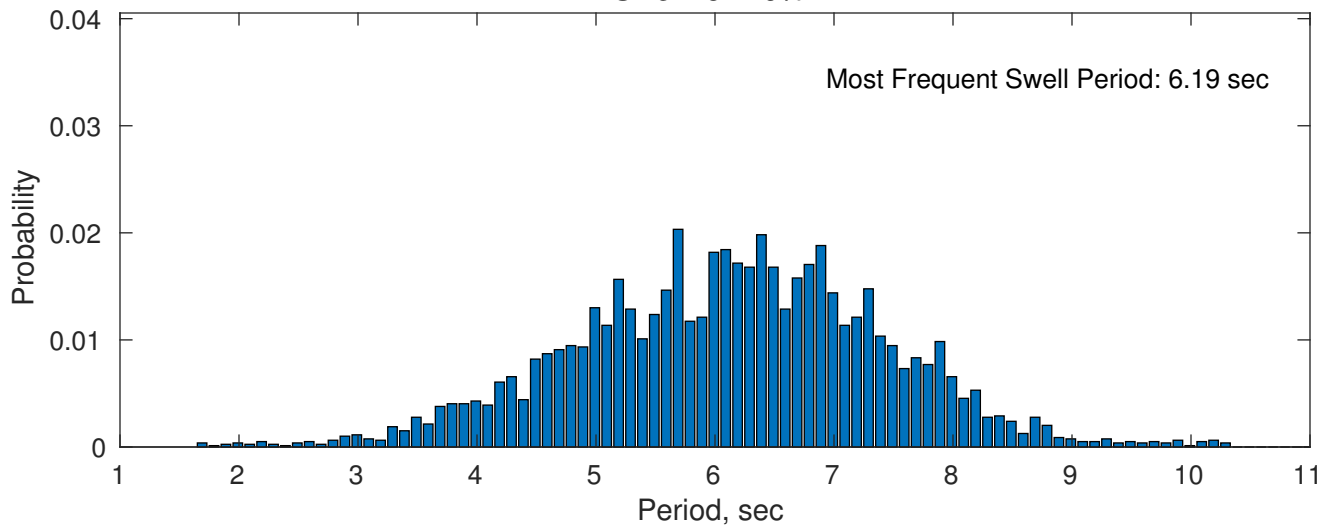
February Peak Wave Period PDF: 1979 - 2015



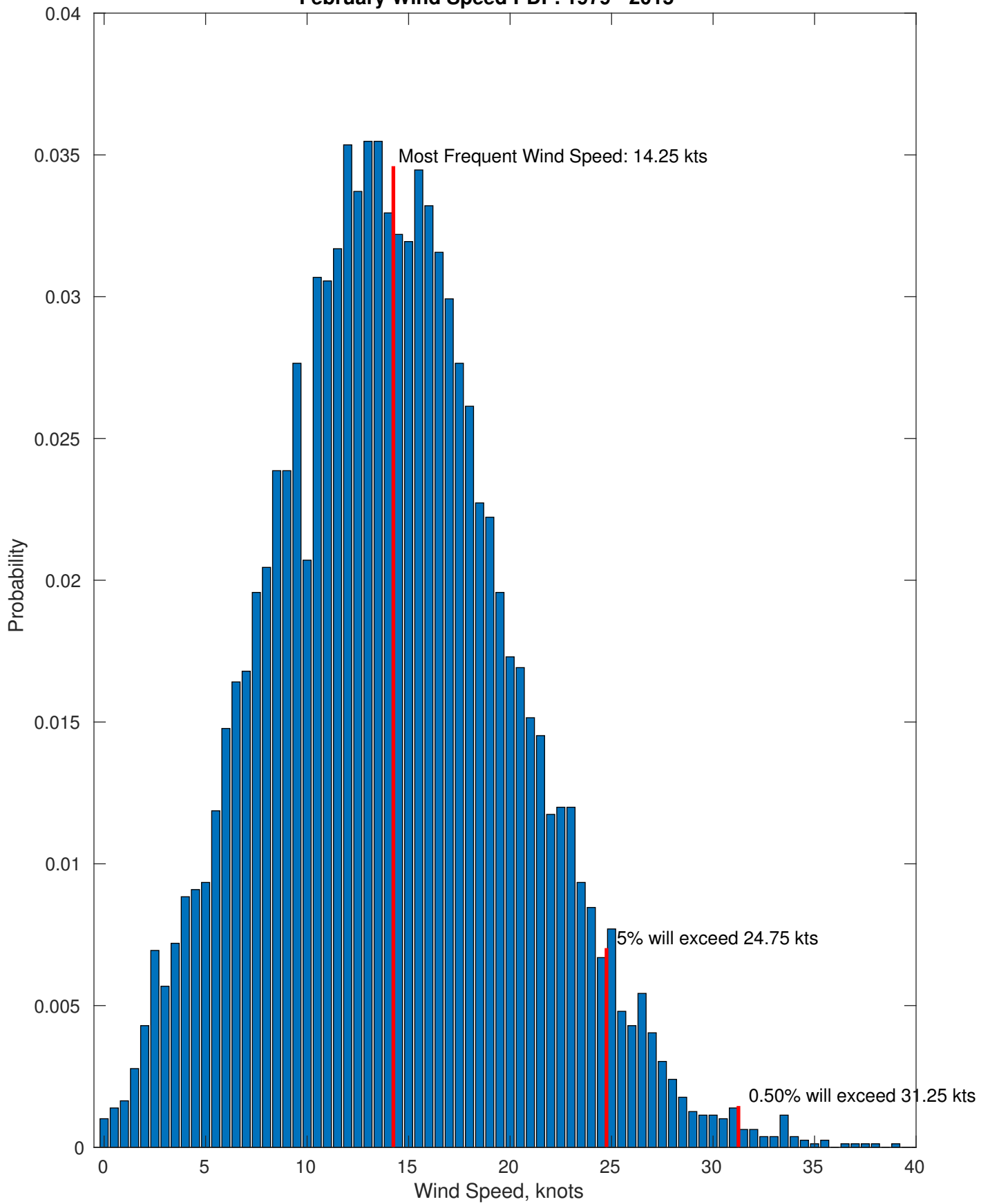
Wind-Sea: 45.21%



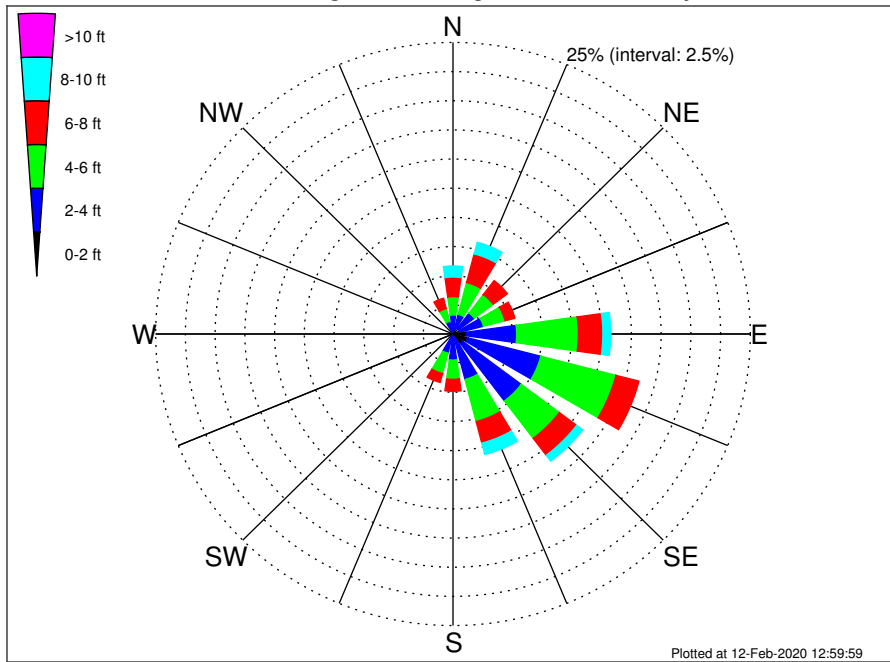
Swell: 54.79%



February Wind Speed PDF: 1979 - 2015



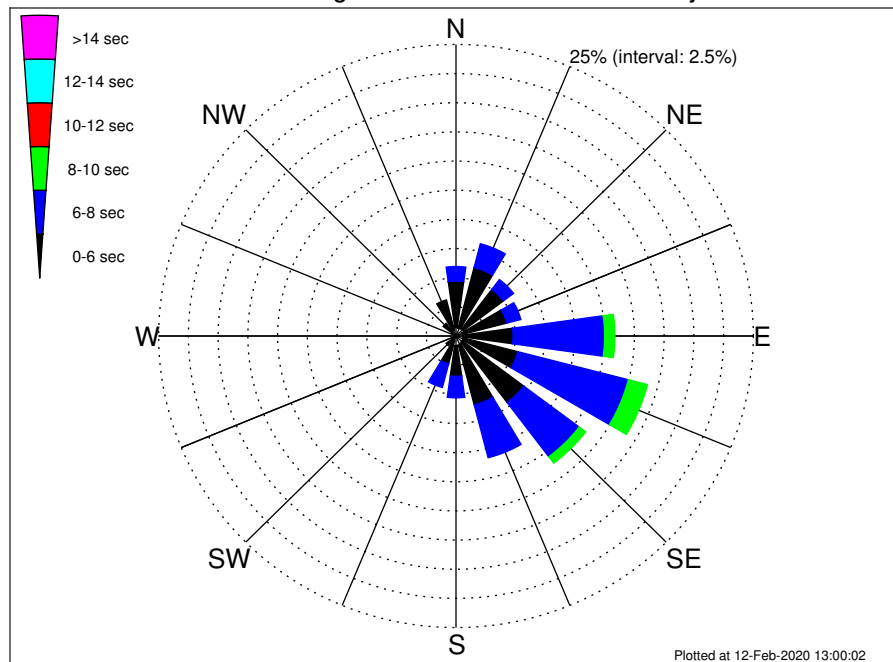
Flower Gardens NMS Climatological WaveHeight Rose for February: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.15	0.08	0.13	0.11	0.14	0.15	0.33	•	0.01	•	0.03	•	0.11	0.03	0.06	•	1.33
1 - 2 ft	0.16	0.33	0.47	0.48	0.98	1.12	0.72	0.33	0.33	0.18	0.11	0.20	0.16	0.18	0.10	0.20	6.06
2 - 4 ft	1.31	1.34	1.65	2.05	4.23	6.35	6.14	3.70	1.89	1.53	0.61	0.11	0.32	0.09	0.40	0.92	32.64
4 - 6 ft	1.58	2.82	1.98	1.88	5.19	6.53	4.02	3.72	1.65	1.79	0.56	0.03	0.13	0.21	0.49	1.12	33.70
6 - 8 ft	1.68	2.54	1.50	0.86	2.06	1.99	1.82	1.91	1.02	0.80	0.13	0.08	0.15	0.16	0.34	0.92	17.95
8 - 10 ft	0.95	1.02	0.30	0.11	0.66	0.37	0.63	1.01	0.33	0.24	0.03	•	0.10	0.08	0.28	0.53	6.63
10 - 12 ft	0.10	0.05	0.03	0.13	0.05	0.10	0.10	0.35	0.15	0.06	•	•	•	0.01	0.09	0.08	1.30
12 - 14 ft	0.03	•	•	0.09	0.06	0.04	•	0.04	0.01	•	•	•	•	0.04	0.01	•	0.32
14 - 16 ft	•	•	•	0.04	0.01	0.01	•	•	•	•	•	•	•	•	•	0.01	0.08
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	5.96	8.17	6.06	5.74	13.38	16.67	13.75	11.06	5.40	4.60	1.45	0.42	0.97	0.80	1.78	3.79	100.00

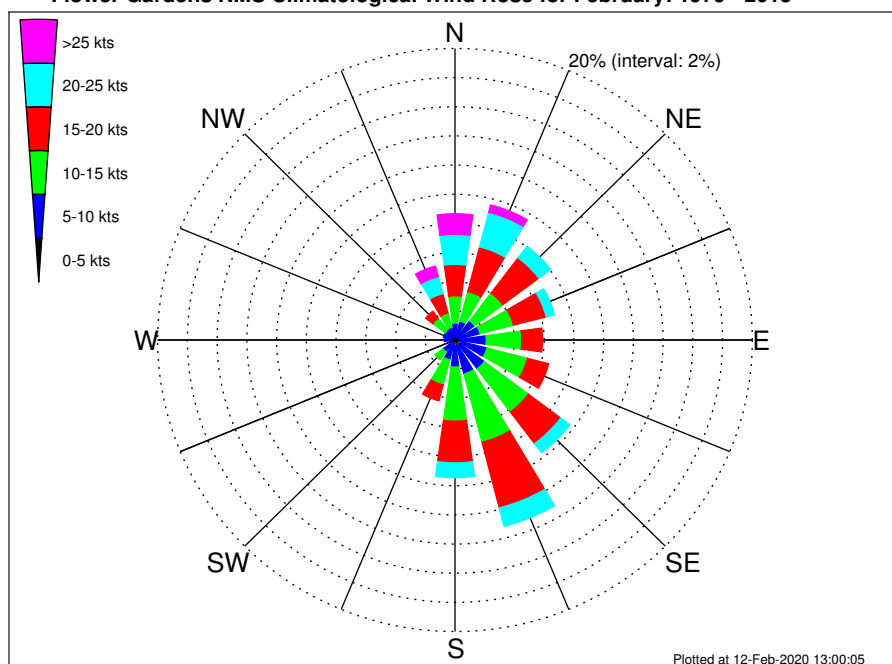
Flower Gardens NMS Climatological WavePeriod Rose for February: 1979 - 2015



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	0.03	•	•	•	0.01	0.03	•	0.01	•	•	•	0.05	0.01	•	•	0.15
2 - 4 sec	0.71	0.67	0.77	0.56	0.56	0.61	0.64	0.80	0.81	0.45	0.27	0.23	0.29	0.24	0.42	0.52	8.52
4 - 6 sec	3.99	5.37	4.23	3.85	4.24	4.75	6.46	5.30	2.64	2.02	0.78	0.16	0.49	0.40	0.95	2.68	48.32
6 - 8 sec	1.25	2.11	1.06	1.22	7.70	9.61	5.83	4.68	1.84	2.08	0.40	0.03	0.14	0.14	0.42	0.59	39.12
8 - 10 sec	•	•	•	0.11	0.86	1.65	0.68	0.28	0.10	0.04	•	•	•	•	•	•	3.72
10 - 12 sec	•	•	•	•	0.03	0.04	0.10	•	•	•	•	•	•	•	•	•	0.16
12 - 14 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14 - 16 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18 - 20 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	5.96	8.17	6.06	5.74	13.38	16.67	13.75	11.06	5.40	4.60	1.45	0.42	0.97	0.80	1.78	3.79	100.00

Flower Gardens NMS Climatological Wind Rose for February: 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	0.01	0.01	0.01	0.01	0.01	•	0.03	0.05	•	•	0.01	0.03	•	0.01	0.03	0.24
0 - 5 kts	0.28	0.27	0.20	0.28	0.34	0.42	0.42	0.38	0.38	0.29	0.20	0.27	0.19	0.25	0.25	0.24	4.65
5 - 10 kts	0.86	1.06	1.43	1.45	1.74	1.79	2.06	1.99	1.43	1.12	0.82	0.44	0.51	0.56	0.57	0.63	18.46
10 - 15 kts	1.87	2.10	2.39	2.32	2.40	2.82	3.71	4.85	3.71	1.77	0.67	0.47	0.28	0.47	1.05	1.02	31.88
15 - 20 kts	2.16	3.17	3.03	2.27	1.39	1.46	2.71	4.65	2.87	1.12	0.42	0.10	0.18	0.45	0.59	1.36	27.94
20 - 25 kts	2.06	2.45	0.98	0.57	0.47	0.35	0.77	1.30	1.01	0.28	0.09	0.03	0.13	0.24	0.48	1.21	12.41
25 - 30 kts	1.22	0.48	0.21	0.11	0.04	0.04	0.13	0.10	0.14	0.05	•	0.01	0.08	0.16	0.23	0.58	3.59
30 - 35 kts	0.18	0.04	0.13	0.03	0.03	0.01	•	•	•	•	0.01	•	•	0.03	0.14	0.15	0.73
35 - 40 kts	0.01	•	•	0.03	0.01	•	•	•	0.01	•	•	0.01	•	•	0.01	0.01	0.10
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	8.66	9.57	8.38	7.07	6.43	6.91	9.80	13.30	9.60	4.63	2.21	1.34	1.38	2.16	3.33	5.24	100.00