

Flower Gardens NMS - August

Weather Days

Wave Height > 6.0 ft Mean: 0.7 days Range: 0.0 - 1.6 days

Wave Height > 7.0 ft Mean: 0.5 days Range: 0.0 - 1.2 days

Wave Height > 8.0 ft Mean: 0.3 days Range: 0.0 - 0.8 days

Working Window Probability

Wave Height < 6.0 ft 3 days or longer: 90%

5 days or longer: 82%

7 days or longer: 77%

Wave Height < 7.0 ft 3 days or longer: 98%

5 days or longer: 89%

7 days or longer: 87%

Wave Height < 8.0 ft 3 days or longer: 94%

5 days or longer: 86%

7 days or longer: 84%

Waves

Mean Height: 1 - 2 ft

The wave heights will occasionally reach 8 - 10 ft, but rarely higher.

Mean Period: 4 - 6 sec

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

Principle Direction, from: SE

WindSea/Swell: 17% / 83%

Winds

Mean Speed: 5 - 10 kts

The winds will occasionally reach 20 - 25 kts, but rarely greater.

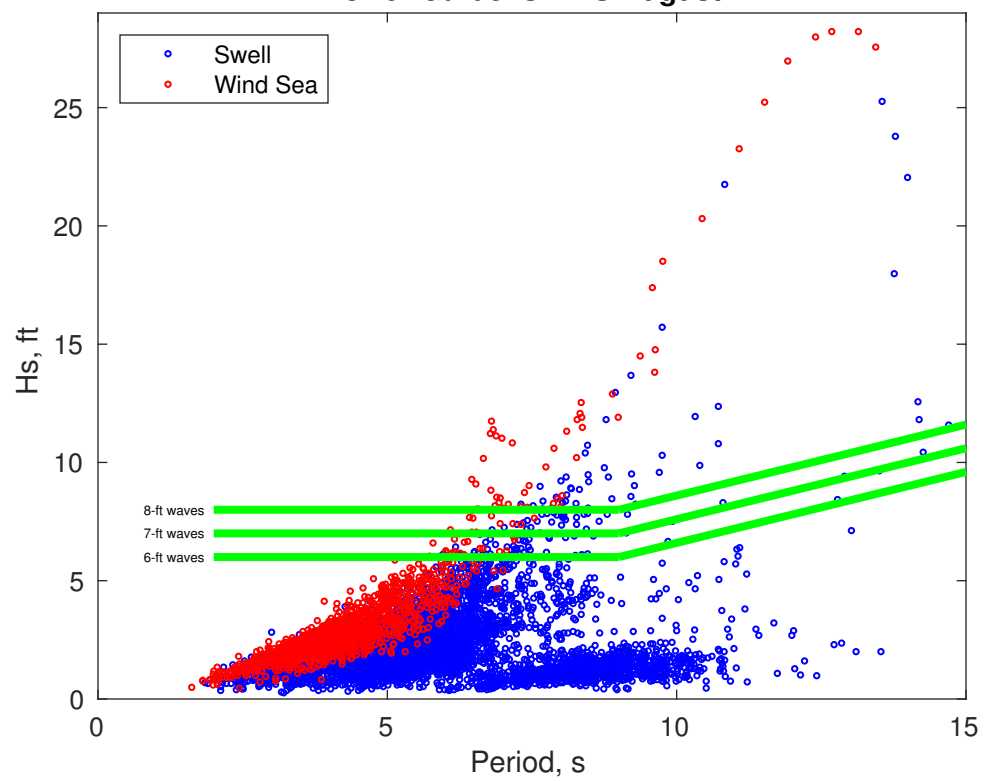
Principle Direction, from: SSE

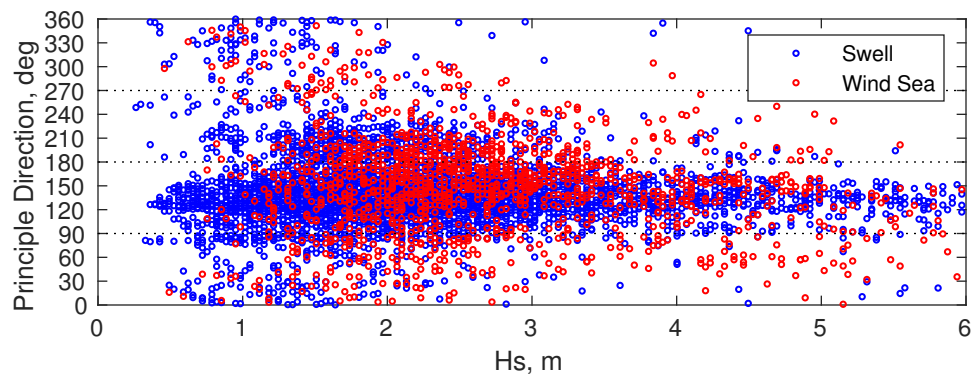
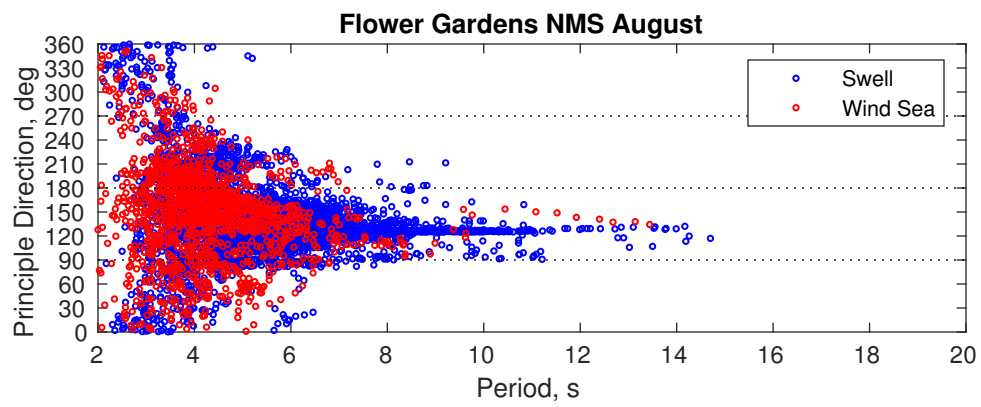
Severe Storms

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

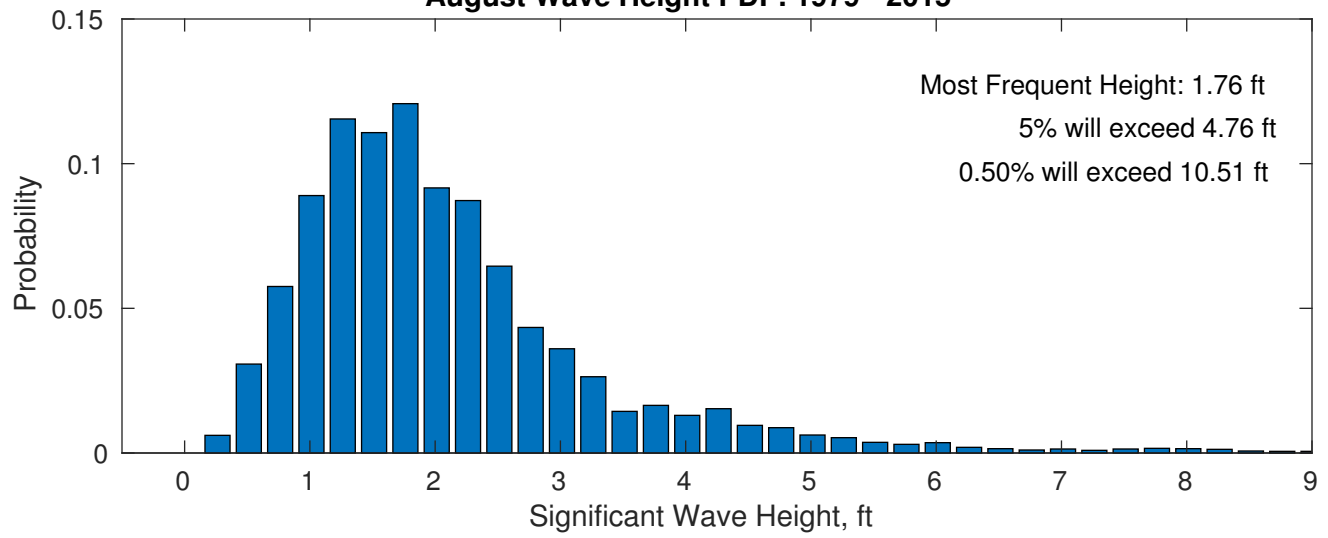
There is a 3 % chance of a storm with waves peaking at 4m (13 ft) or greater.

Flower Gardens NMS August

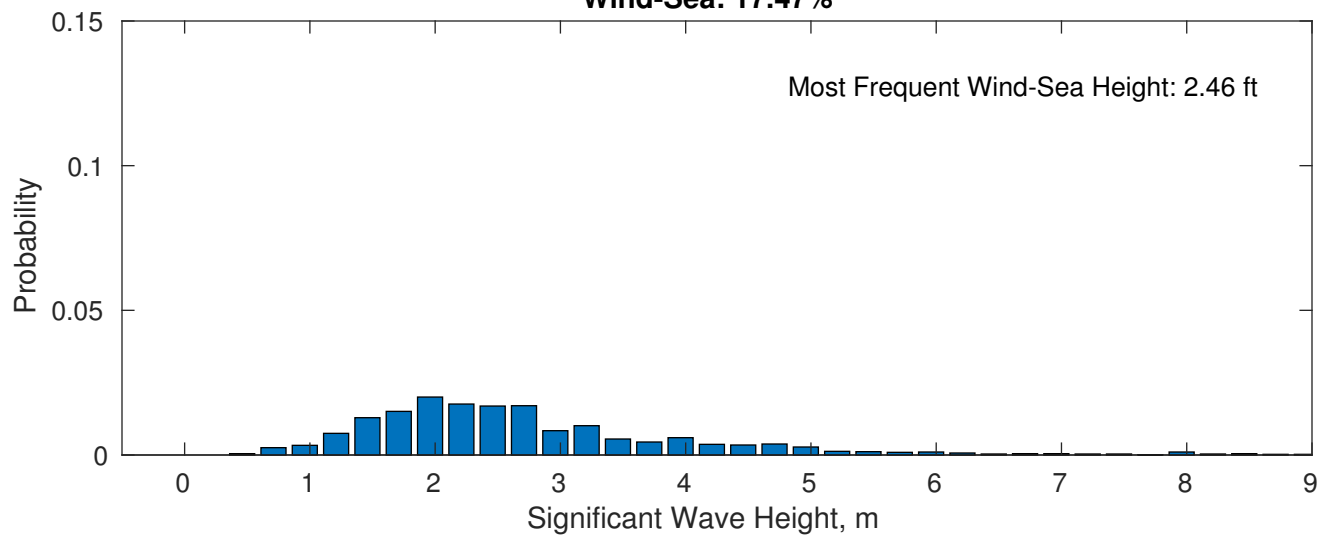




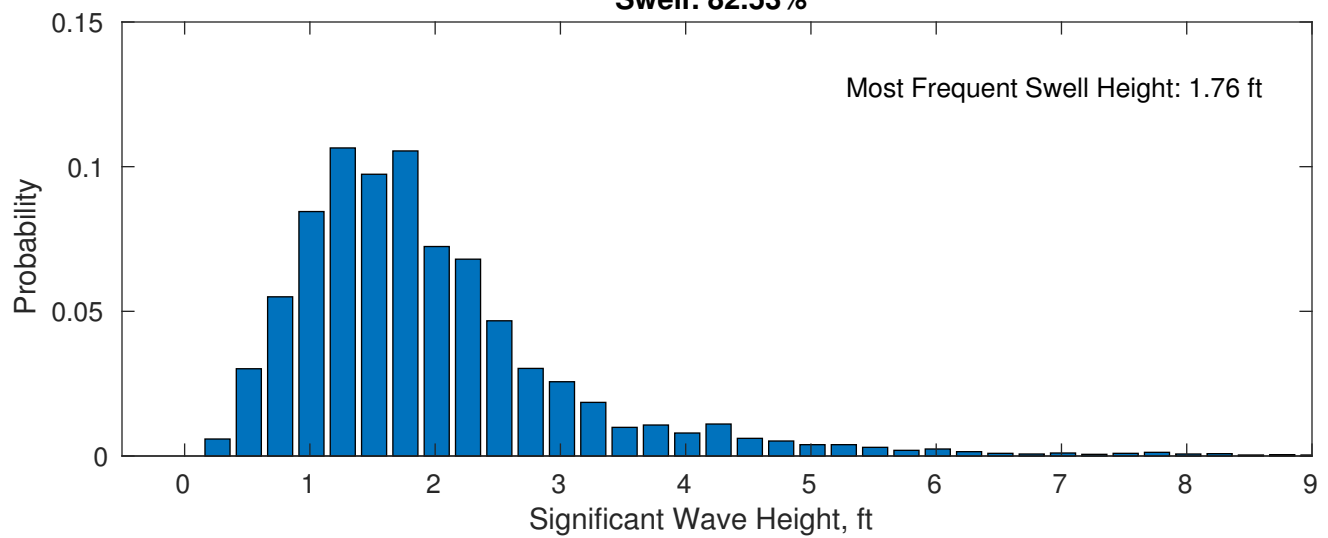
August Wave Height PDF: 1979 - 2015



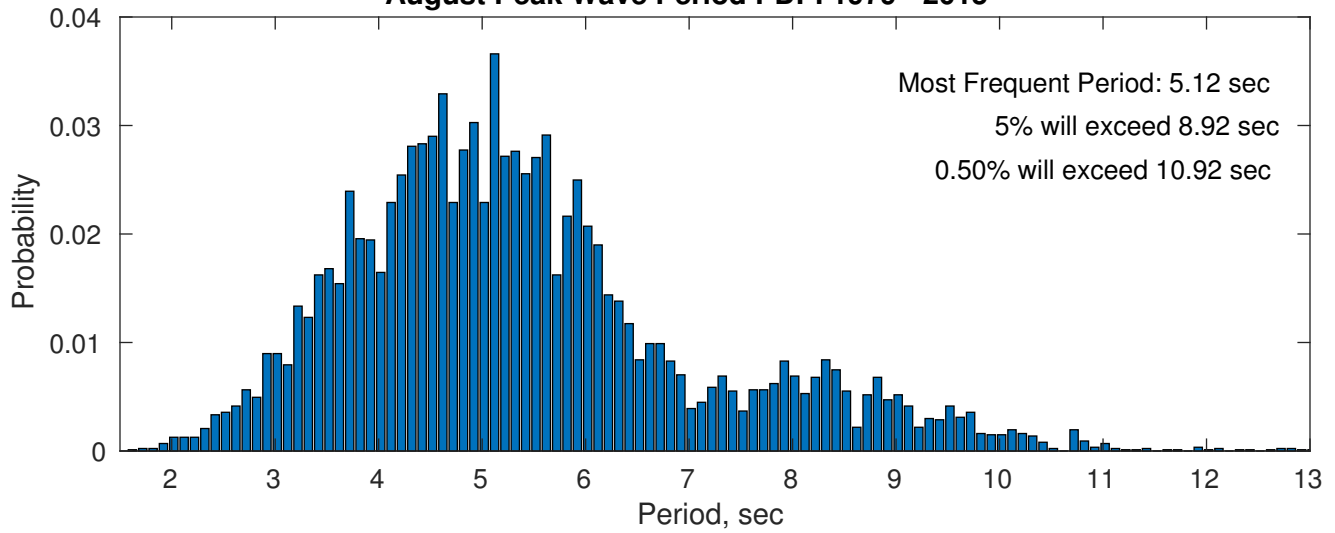
Wind-Sea: 17.47%



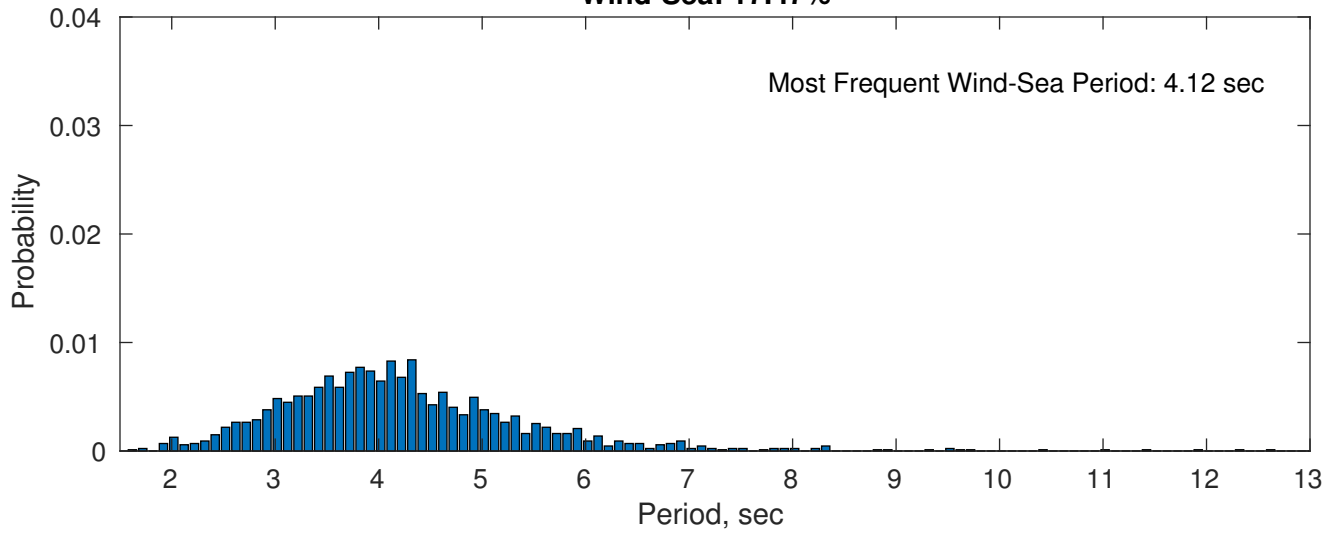
Swell: 82.53%



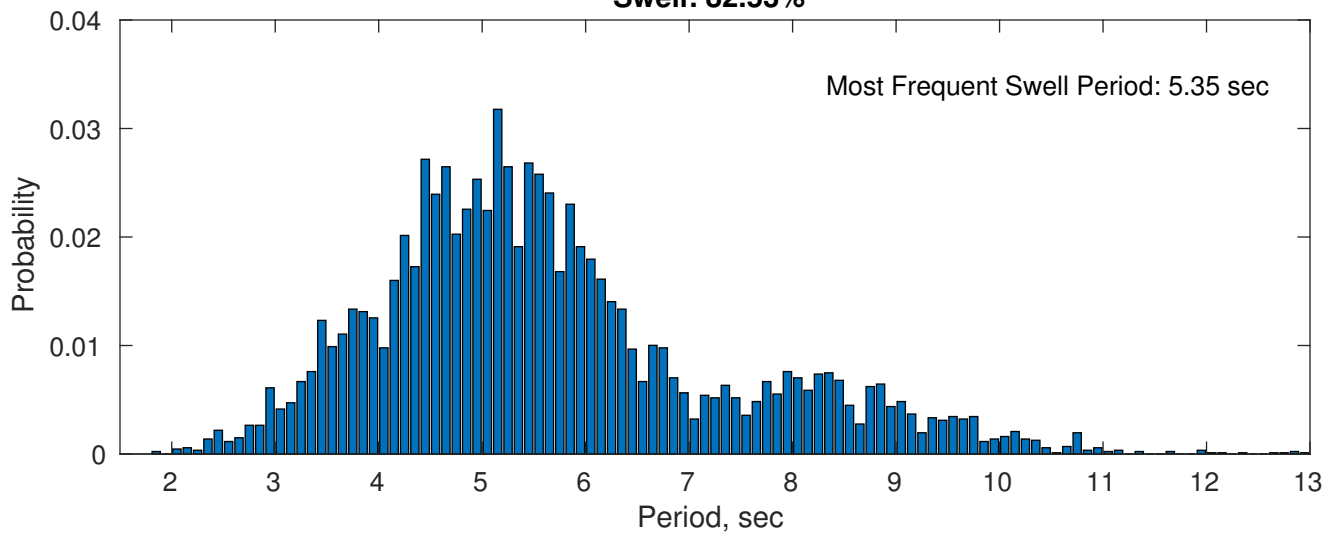
August Peak Wave Period PDF: 1979 - 2015



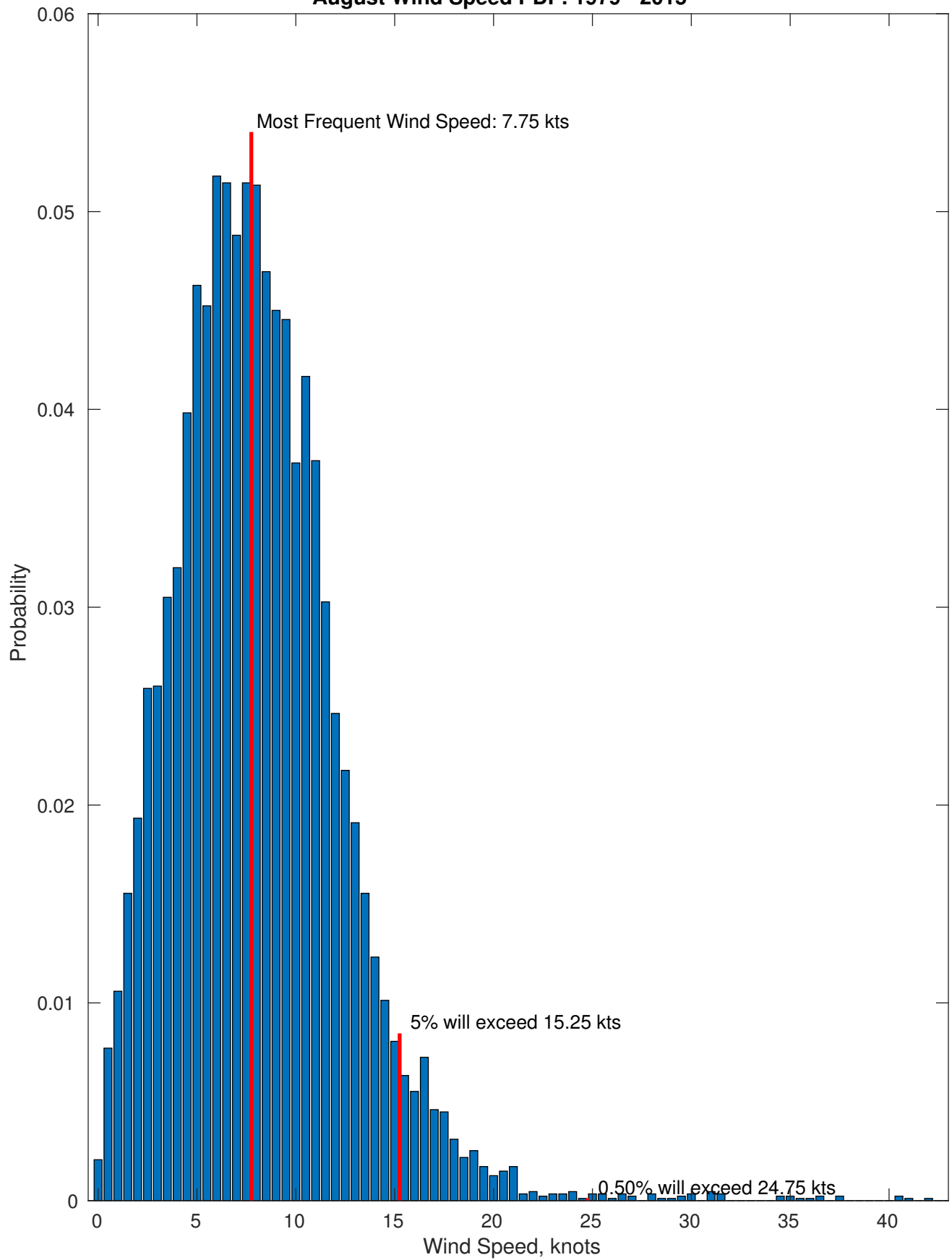
Wind-Sea: 17.47%



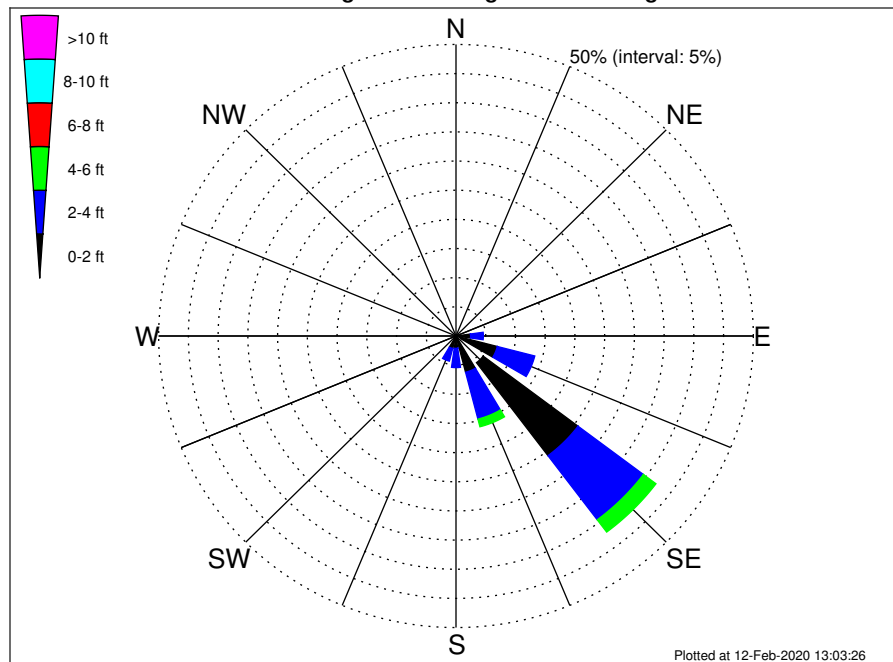
Swell: 82.53%



August Wind Speed PDF: 1979 - 2015



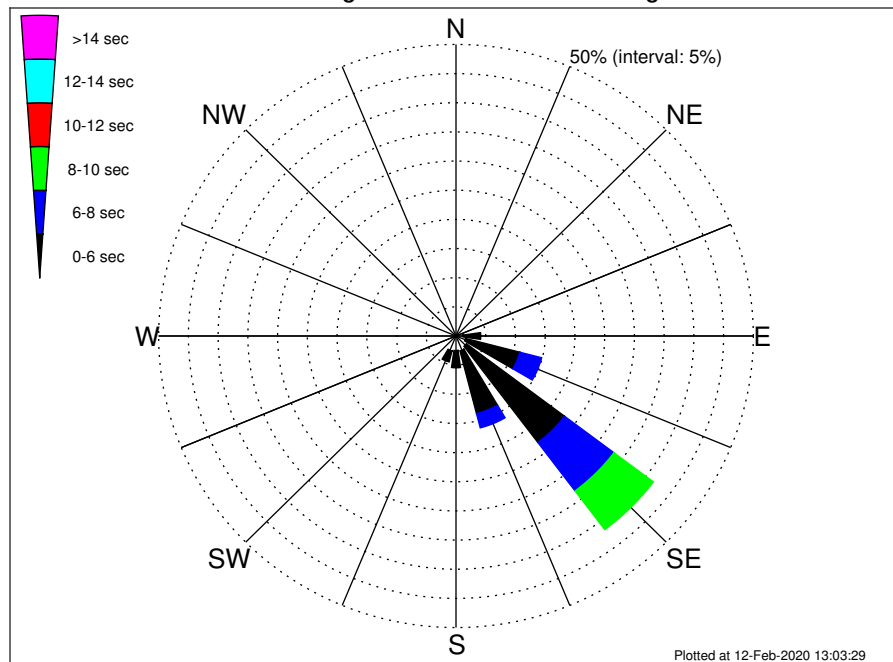
Flower Gardens NMS Climatological WaveHeight Rose for August: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.22	0.18	0.12	0.12	0.54	0.90	5.72	0.54	0.12	0.25	0.12	0.14	0.06	0.12	0.09	0.22	9.44
1 - 2 ft	0.40	0.51	0.38	0.67	1.91	6.28	19.98	5.88	2.00	1.96	0.73	0.36	0.31	0.24	0.24	0.18	42.03
2 - 4 ft	0.10	0.24	0.44	0.60	2.15	6.50	13.77	8.30	3.30	2.24	0.99	0.35	0.13	0.13	0.03	0.03	39.31
4 - 6 ft	0.05	0.09	0.21	0.24	0.68	0.92	2.64	1.36	0.20	0.20	0.07	0.06	0.01	•	•	0.01	6.72
6 - 8 ft	0.01	0.01	0.02	0.02	0.13	0.44	0.40	0.20	0.02	0.06	•	•	•	•	•	•	1.31
8 - 10 ft	•	•	•	0.01	0.02	0.32	0.15	0.02	0.07	0.02	•	•	•	•	•	•	0.62
10 - 12 ft	•	•	•	•	0.02	0.13	0.01	0.02	0.02	0.06	•	•	•	•	•	•	0.26
12 - 14 ft	•	•	•	•	0.01	0.05	0.02	0.01	•	•	•	•	•	•	•	•	0.09
14 - 16 ft	•	•	•	•	•	0.01	0.01	0.01	•	•	•	•	•	•	•	•	0.03
16 - 18 ft	•	•	•	•	•	•	0.01	0.01	•	•	•	•	•	•	•	•	0.02
> 18 ft	•	•	•	•	•	•	0.10	0.05	•	•	•	•	•	•	•	•	0.15
Total	0.78	1.04	1.16	1.66	5.47	15.55	42.82	16.40	5.73	4.79	1.90	0.90	0.51	0.48	0.37	0.45	100.00

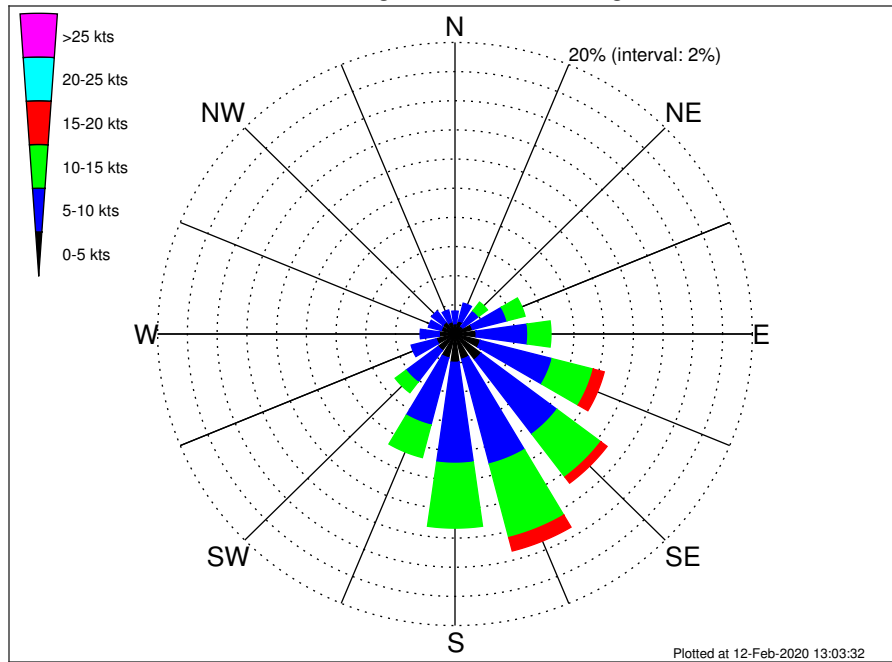
Flower Gardens NMS Climatological WavePeriod Rose for August: 1979 - 2015



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	0.01	•	•	•	0.01	0.02	0.02	•	•	•	•	0.02	•	0.01	0.13
2 - 4 sec	0.68	0.79	0.64	0.92	1.17	1.66	2.20	2.59	2.47	2.62	0.69	0.64	0.48	0.45	0.35	0.41	18.78
4 - 6 sec	0.09	0.20	0.48	0.68	2.99	9.43	20.65	11.13	2.96	1.97	1.20	0.25	0.02	0.01	0.02	0.02	52.11
6 - 8 sec	•	0.03	0.02	0.06	0.97	3.80	10.41	2.53	0.18	0.17	0.01	•	•	•	•	•	18.19
8 - 10 sec	•	•	•	•	0.21	0.52	8.30	0.08	0.09	0.02	•	•	•	•	•	•	9.22
10 - 12 sec	•	•	•	•	0.13	0.07	1.05	0.05	•	•	•	•	•	•	•	•	1.29
12 - 14 sec	•	•	•	•	•	0.05	0.20	•	•	•	•	•	•	•	•	•	0.24
14 - 16 sec	•	•	•	•	•	0.03	0.01	•	•	•	•	•	•	•	•	•	0.05
18 - 20 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
22 - 24 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.78	1.04	1.16	1.66	5.47	15.55	42.82	16.40	5.73	4.79	1.90	0.90	0.51	0.48	0.37	0.45	100.00

Flower Gardens NMS Climatological Wind Rose for August: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.02	0.08	0.05	0.07	0.05	0.07	0.10	0.02	0.07	0.07	0.07	0.03	0.05	0.08	0.07	0.08	0.98
0 - 5 kts	0.69	0.85	0.62	1.15	1.38	1.69	2.09	1.76	1.88	1.62	1.35	1.27	1.01	0.87	0.94	0.78	19.97
5 - 10 kts	0.86	1.25	1.34	2.39	3.48	5.00	6.40	7.42	6.93	4.77	2.72	1.75	1.29	0.90	0.96	0.84	48.28
10 - 15 kts	0.21	0.37	0.74	1.25	1.55	2.85	3.68	5.21	4.44	2.30	0.91	0.31	0.45	0.39	0.20	0.14	25.01
15 - 20 kts	0.07	0.09	0.43	0.24	0.45	0.76	0.53	0.96	0.37	0.29	0.14	0.09	0.05	0.06	0.02	0.05	4.58
20 - 25 kts	0.02	0.02	0.03	0.05	0.02	0.12	0.13	0.03	0.05	•	0.05	•	0.01	0.02	0.06	0.07	0.68
25 - 30 kts	•	•	0.01	0.05	0.03	0.03	0.02	0.01	0.01	0.03	•	•	0.01	•	•	•	0.22
30 - 35 kts	•	•	0.01	0.01	0.02	0.06	0.01	0.01	•	0.01	•	•	•	•	•	•	0.14
35 - 40 kts	•	•	•	•	0.02	0.02	•	•	0.02	0.02	•	•	•	•	•	•	0.09
40 - 45 kts	•	•	•	•	0.02	0.02	•	•	•	•	•	•	•	•	•	•	0.05
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.88	2.67	3.22	5.21	7.03	10.62	12.97	15.44	13.77	9.12	5.23	3.45	2.87	2.33	2.24	1.96	100.00