

Cape Verde Islands MBES - March

Latitude: 16.00 N Longitude: 24.00 W

Weather Days

Wave Height > 6.0 ft Mean: 7.9 days Range: 2.0 - 13.7 days p50:12.5 days p75:9 days p90:6.5 days
Wave Height > 7.0 ft Mean: 4.4 days Range: 0.3 - 8.4 days p50:5 days p75:3 days p90:2.5 days
Wave Height > 8.0 ft Mean: 2.0 days Range: 0.2 - 3.9 days p50:2.5 days p75:1 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 14.0 days Range: 9.5 - 18.5 days p50:14 days p75:10.5 days p90:10 days
Wind Speed > 20.0 knots Mean: 1.8 days Range: 0.4 - 3.3 days p50:1.5 days p75:1 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.1 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window

Wave Height < 6.0 ft	A 1 day or longer window will statistically occur 3.0 times per month A 2 day or longer window will statistically occur 2.2 times per month A 3 day or longer window will statistically occur 1.6 times per month
Wave Height < 7.0 ft	A 1 day or longer window will statistically occur 2.6 times per month A 2 day or longer window will statistically occur 2.3 times per month A 3 day or longer window will statistically occur 2.0 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 2.3 times per month A 2 day or longer window will statistically occur 2.1 times per month A 3 day or longer window will statistically occur 1.8 times per month

Waves

Mean Height: 4 - 6 ft
The wave heights will occasionally reach 10 - 12 ft, but rarely higher.
Mean Period: 10 - 12 sec
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.
Principle Direction, from: NNE
WindSea/Swell: 13% / 87%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 20 - 25 kts, but rarely greater.
Principle Direction, from: NE

Currents

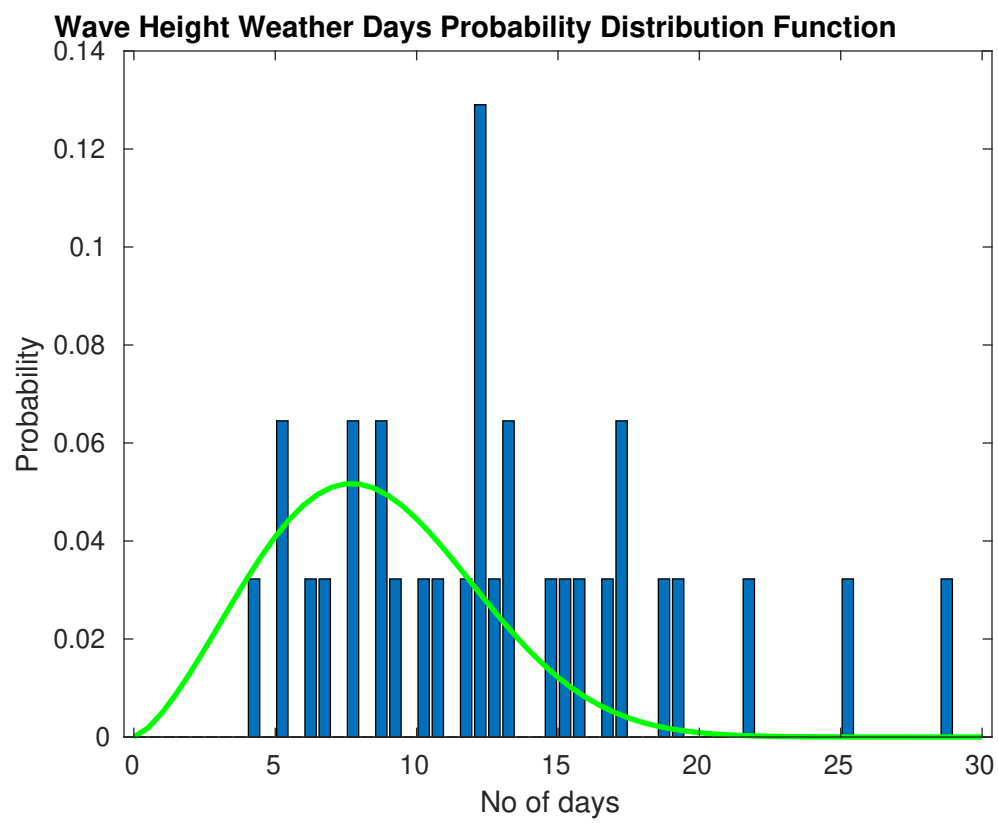
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.25-1.50 kts, but rarely greater.
Principle Direction, to: W

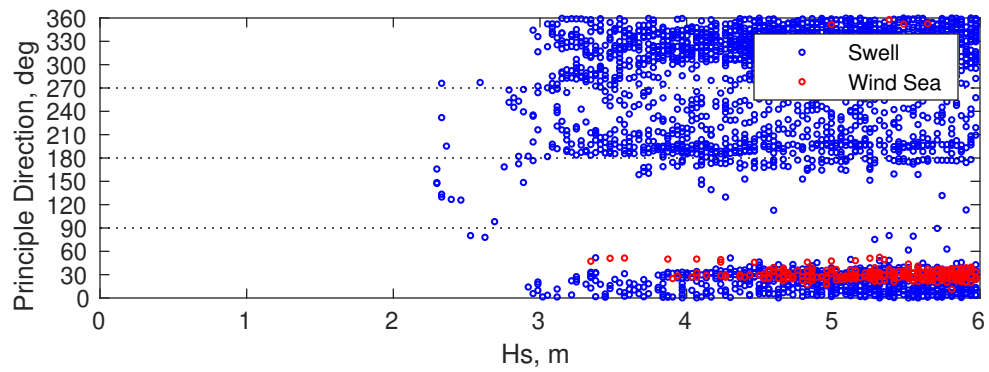
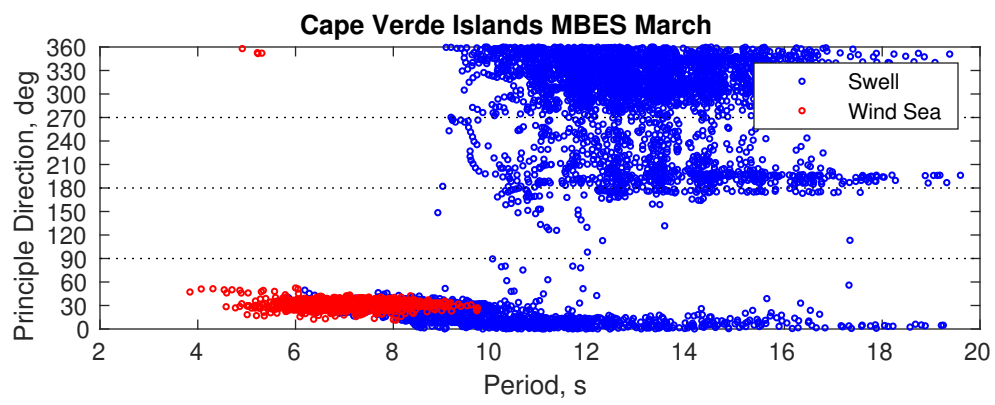
Weather Days

Current Speed > 1.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days
Current Speed > 1.5 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days
Current Speed > 2.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

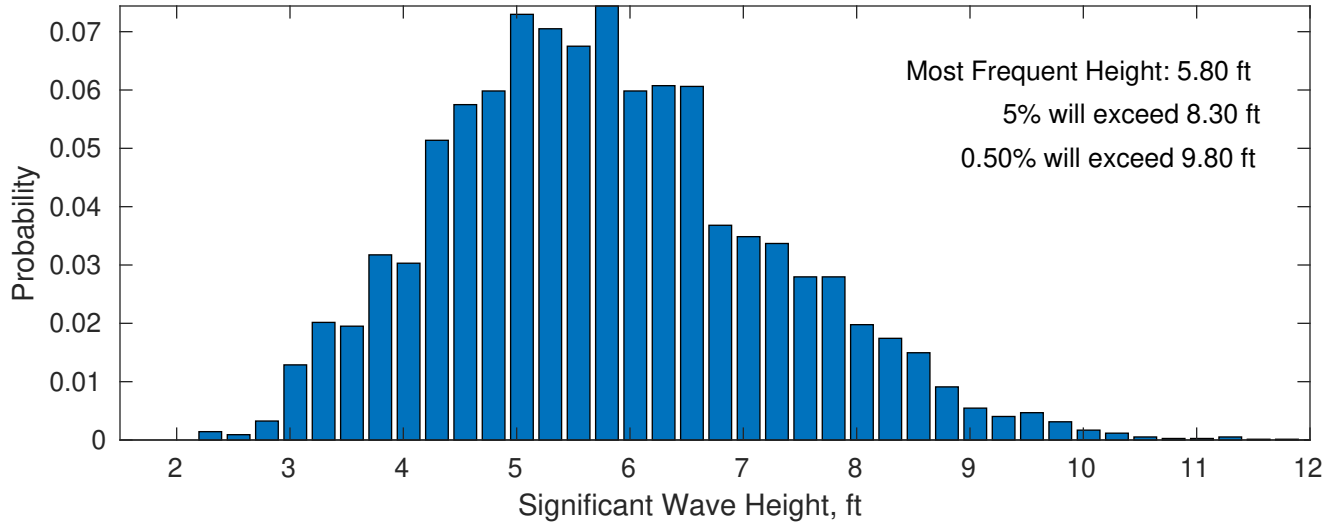
Severe Storms

Severe storms with gale force winds and extreme waves are not expected during this month.

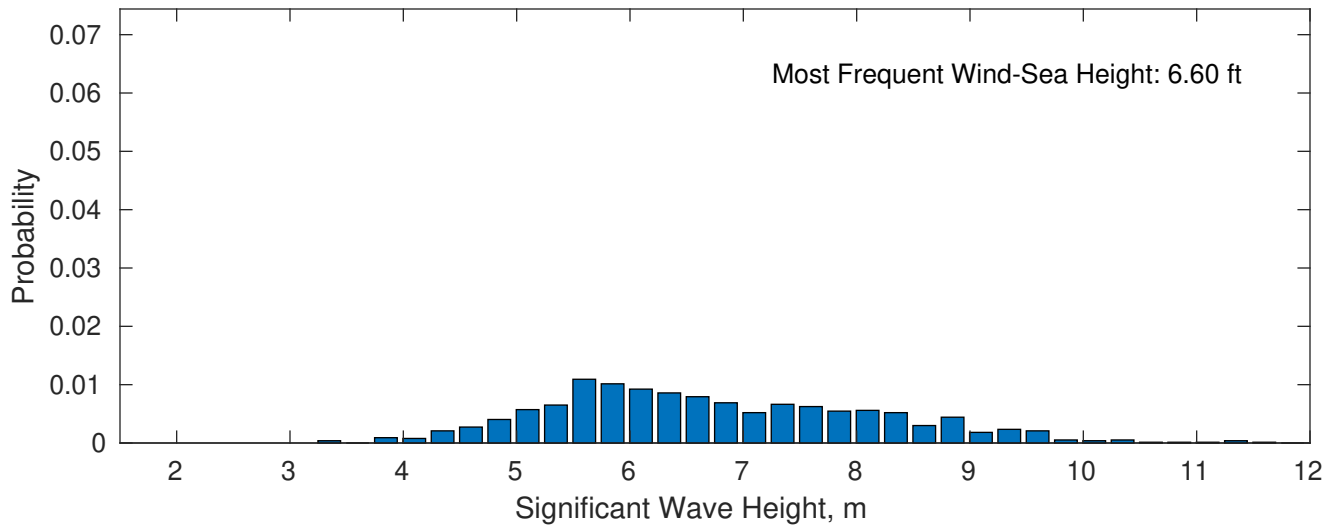




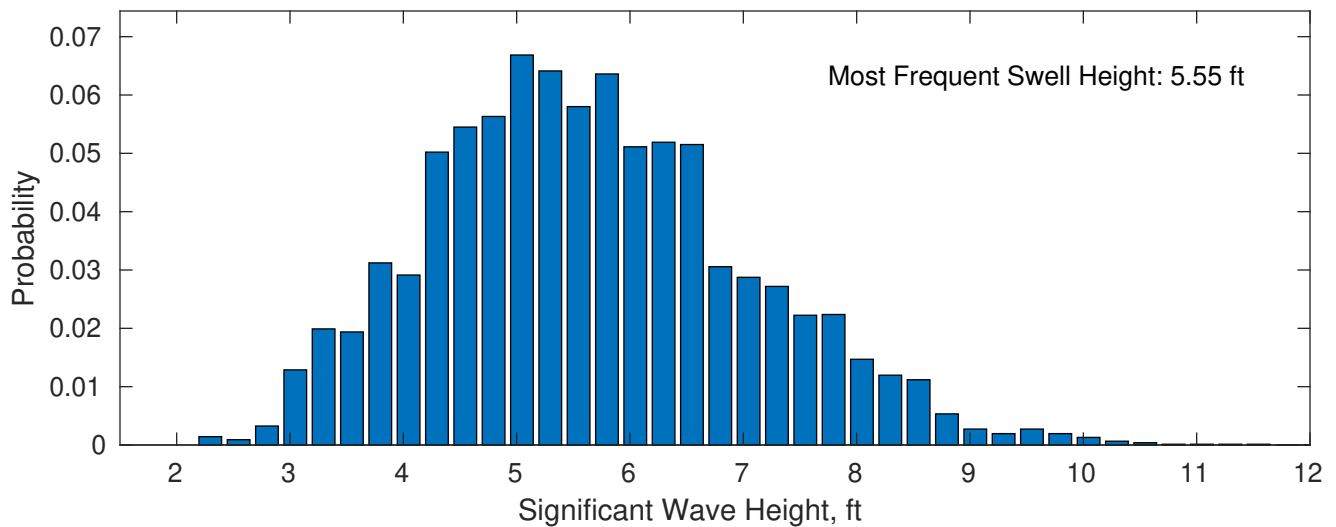
March Wave Height PDF: 1979 - 2015



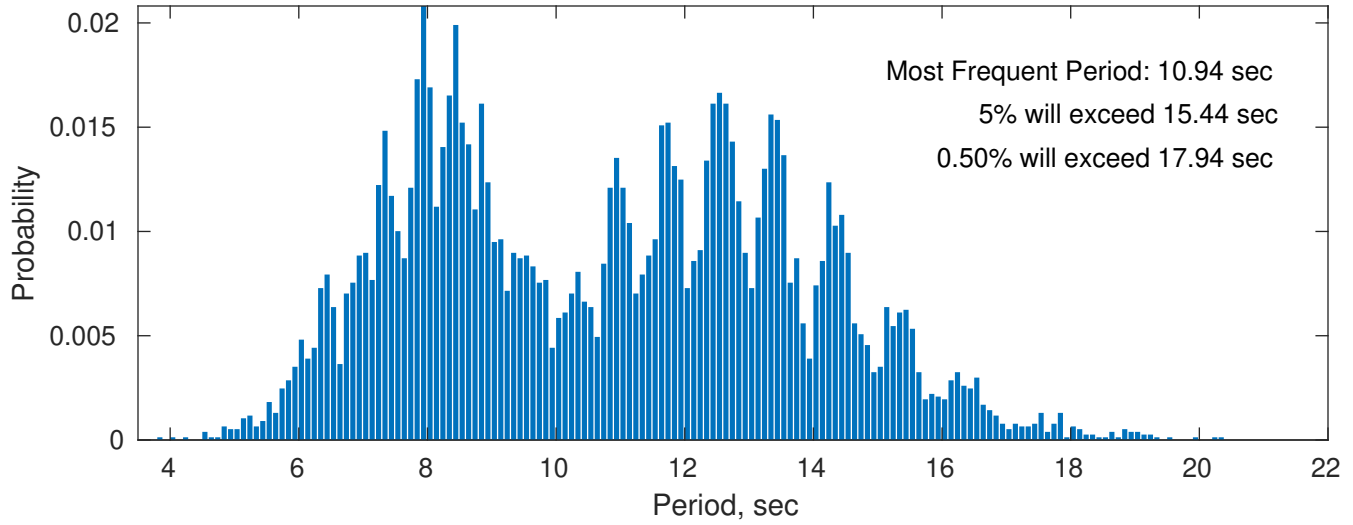
Wind-Sea: 12.72%



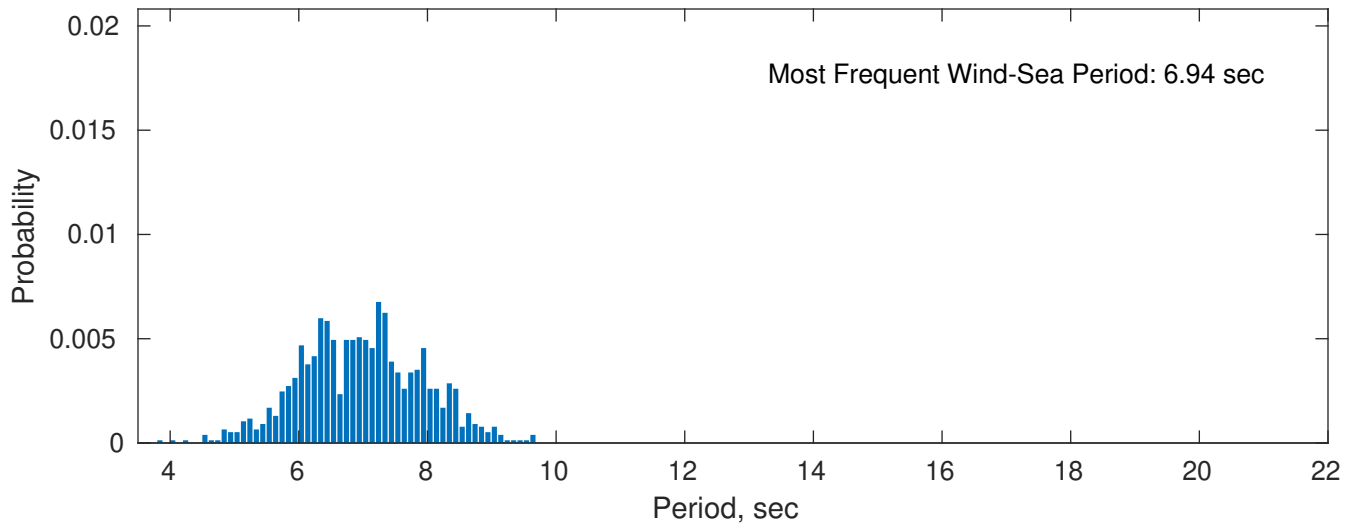
Swell: 87.28%



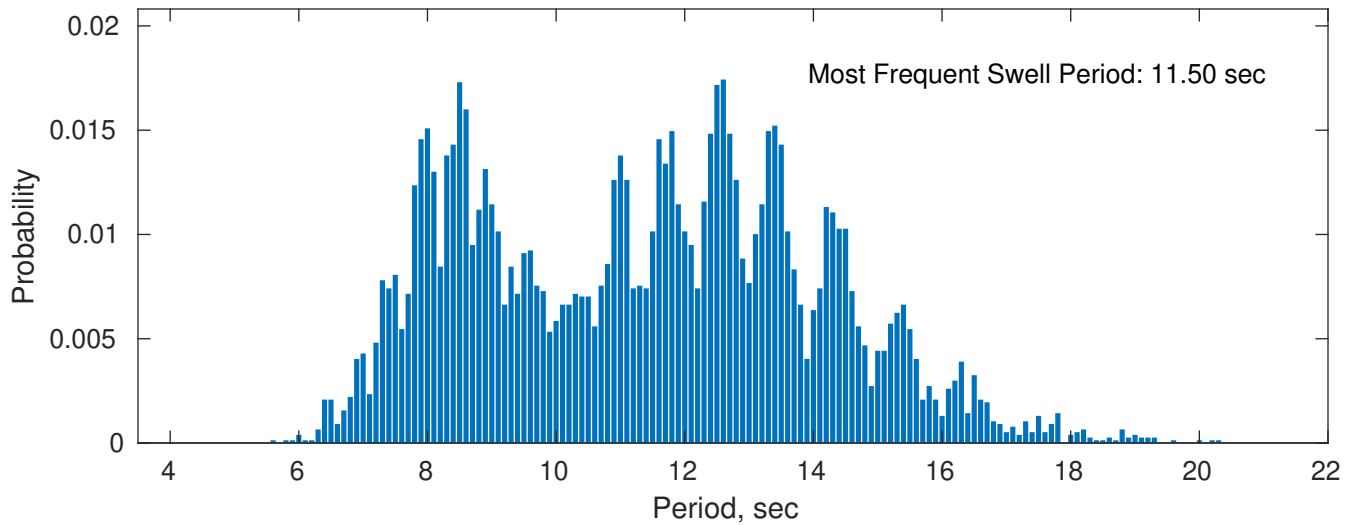
March Peak Wave Period PDF: 1979 - 2015



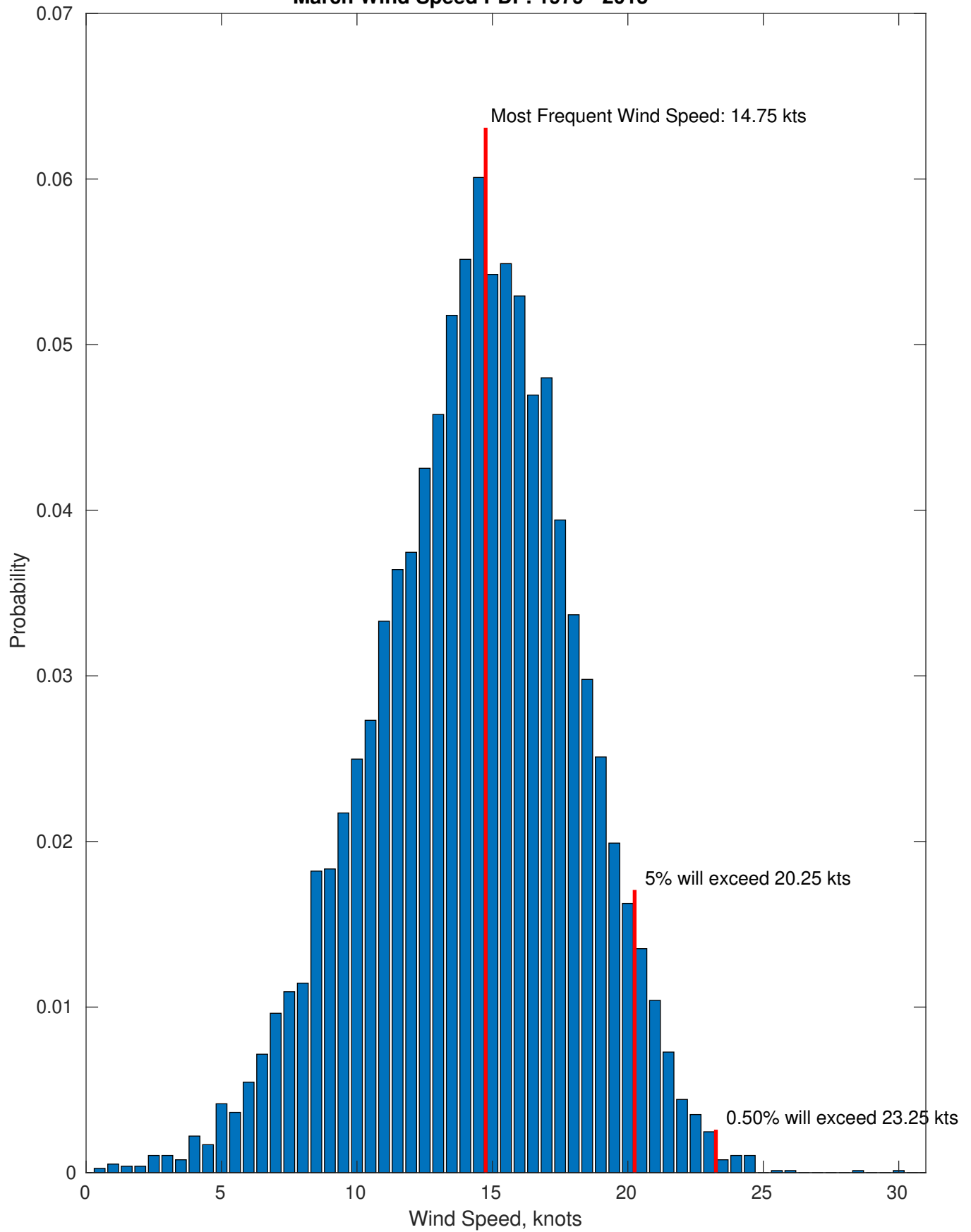
Wind-Sea: 12.72%



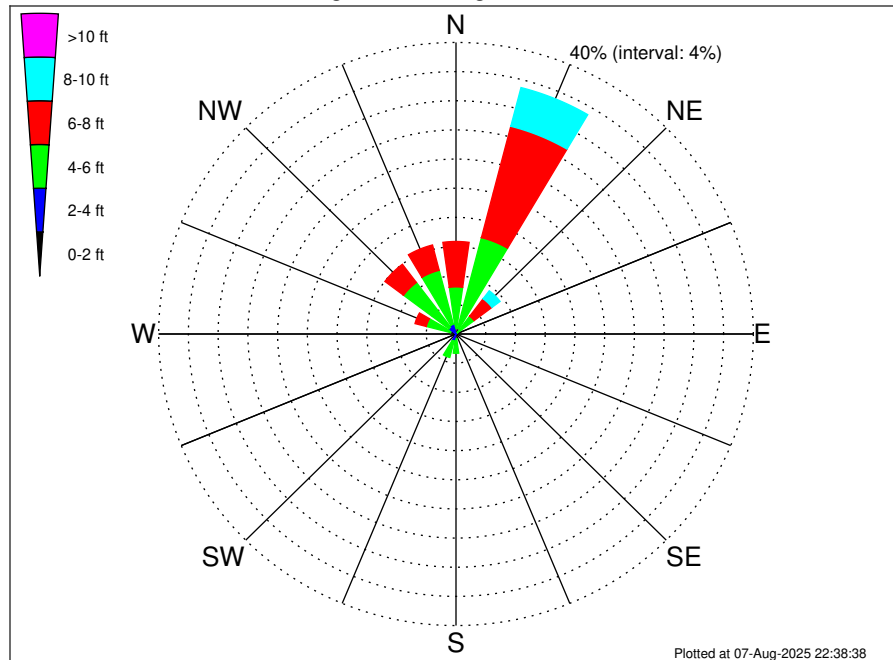
Swell: 87.28%



March Wind Speed PDF: 1979 - 2015



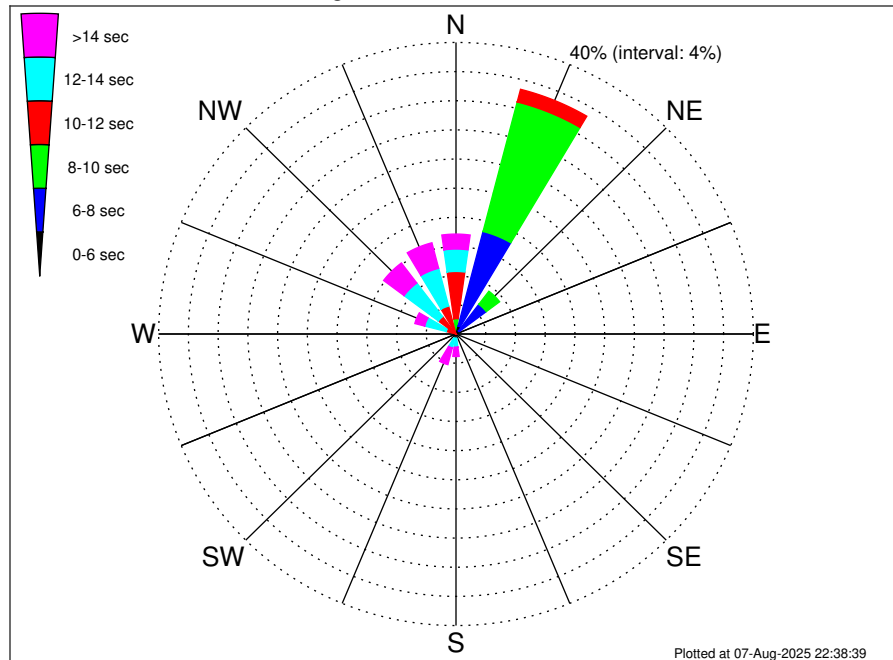
Cape Verde Islands MBES Climatological WaveHeight Rose for March: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 - 2 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 - 4 ft	0.74	0.85	0.07	0.01	0.03	.	0.05	0.13	0.69	1.01	0.36	0.36	0.44	0.77	1.20	1.39	8.10
4 - 6 ft	5.72	12.81	2.99	0.04	0.04	0.03	0.05	0.23	1.96	2.32	0.98	0.99	0.87	3.37	7.65	7.64	47.68
6 - 8 ft	6.23	15.78	3.00	.	.	.	.	.	0.25	0.95	0.20	0.13	0.23	1.56	3.13	3.59	35.05
8 - 10 ft	0.95	5.49	1.37	.	.	.	.	.	0.20	0.07	.	.	.	0.03	0.22	0.31	8.62
10 - 12 ft	0.07	0.40	0.07	.	.	.	.	.	.	.	.	.	.	.	.	.	0.53
12 - 14 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	13.71	35.33	7.49	0.05	0.07	0.03	0.10	0.36	3.10	4.34	1.53	1.48	1.55	5.72	12.20	12.93	100.00

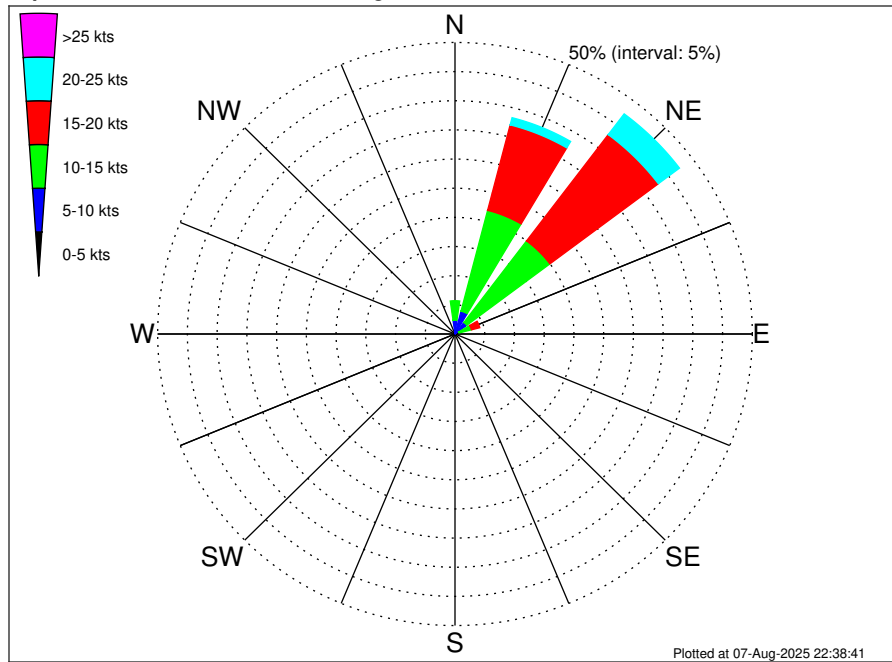
Cape Verde Islands MBES Climatological WavePeriod Rose for March: 1979 - 2015



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	•	•	0.01	•	•	•	•	•	•	•	•	•	•	•	•	•	0.01
4 - 6 sec	0.05	1.12	0.52	•	•	•	•	•	•	•	•	•	•	•	•	•	1.69
6 - 8 sec	•	13.41	4.57	•	•	•	•	•	•	•	•	•	•	•	•	•	17.98
8 - 10 sec	2.06	18.35	2.25	•	•	•	•	0.01	0.01	0.05	0.07	0.07	0.16	0.01	0.08	0.22	23.34
10 - 12 sec	6.48	1.80	0.10	0.05	0.07	•	0.09	0.21	0.60	0.56	0.26	0.42	0.35	1.34	2.90	3.73	18.95
12 - 14 sec	3.07	0.38	0.01	•	•	0.01	0.01	0.09	1.20	1.35	0.82	0.74	0.77	3.00	5.78	5.36	22.59
14 - 16 sec	1.34	0.22	0.01	•	•	•	•	0.05	0.81	1.68	0.34	0.25	0.26	1.29	2.74	3.07	12.06
18 - 20 sec	0.55	0.05	0.01	•	•	0.01	•	•	0.42	0.59	0.05	0.01	0.01	0.08	0.62	0.47	2.87
22 - 24 sec	0.17	•	•	•	•	•	•	•	0.07	0.12	•	•	•	•	0.08	0.08	0.51
Total	13.71	35.33	7.49	0.05	0.07	0.03	0.10	0.36	3.10	4.34	1.53	1.48	1.55	5.72	12.20	12.93	100.00

Cape Verde Islands MBES Climatological Wind Rose for March: 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	•	•	0.03
0 - 5 kts	0.14	0.09	0.07	0.03	0.04	0.03	0.04	•	•	•	0.07	•	0.01	0.07	0.12	0.12	0.81
5 - 10 kts	2.22	3.95	2.42	0.68	0.10	0.04	0.03	0.01	•	•	0.03	0.04	0.08	0.26	0.38	0.83	11.07
10 - 15 kts	3.34	17.86	17.51	2.16	0.07	0.01	0.05	•	•	•	•	•	•	0.05	0.08	0.35	41.48
15 - 20 kts	1.03	15.14	22.83	1.44	0.03	•	•	•	•	•	•	•	•	•	•	0.03	40.49
20 - 25 kts	0.05	1.27	4.45	0.29	•	•	•	•	•	•	•	•	•	•	•	0.01	6.07
25 - 30 kts	0.01	0.03	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.04
30 - 35 kts	•	0.01	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.01
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	6.80	38.36	47.27	4.59	0.23	0.08	0.12	0.01	•	•	0.09	0.04	0.10	0.39	0.57	1.34	100.00