

Cape Verde Islands MBES - November

Latitude: 16.00 N Longitude: 24.00 W

Weather Days

Wave Height > 6.0 ft Mean: 4.2 days Range: 0.0 - 8.4 days p50:8.5 days p75:7.5 days p90:2.5 days
Wave Height > 7.0 ft Mean: 1.7 days Range: 0.0 - 4.6 days p50:4.5 days p75:2.5 days p90:1 days
Wave Height > 8.0 ft Mean: 0.6 days Range: 0.0 - 2.7 days p50:5 days p75:1.5 days p90:1 days

Wind Speed > 15.0 knots Mean: 11.2 days Range: 7.5 - 14.8 days p50:11.5 days p75:8.5 days p90:6.5 days
Wind Speed > 20.0 knots Mean: 0.8 days Range: 0.0 - 1.8 days p50:1 days p75:0.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.0 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 2.6 times per month A 3 day or longer window will statistically occur 2.1 times per month
Wave Height < 7.0 ft	A 1 day or longer window will statistically occur 2.4 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 2.0 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 1.6 times per month A 2 day or longer window will statistically occur 1.5 times per month A 3 day or longer window will statistically occur 1.4 times per month

Waves

Mean Height: 4 - 6 ft
The wave heights will occasionally reach 8 - 10 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: 8% / 92%

Winds

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

Currents

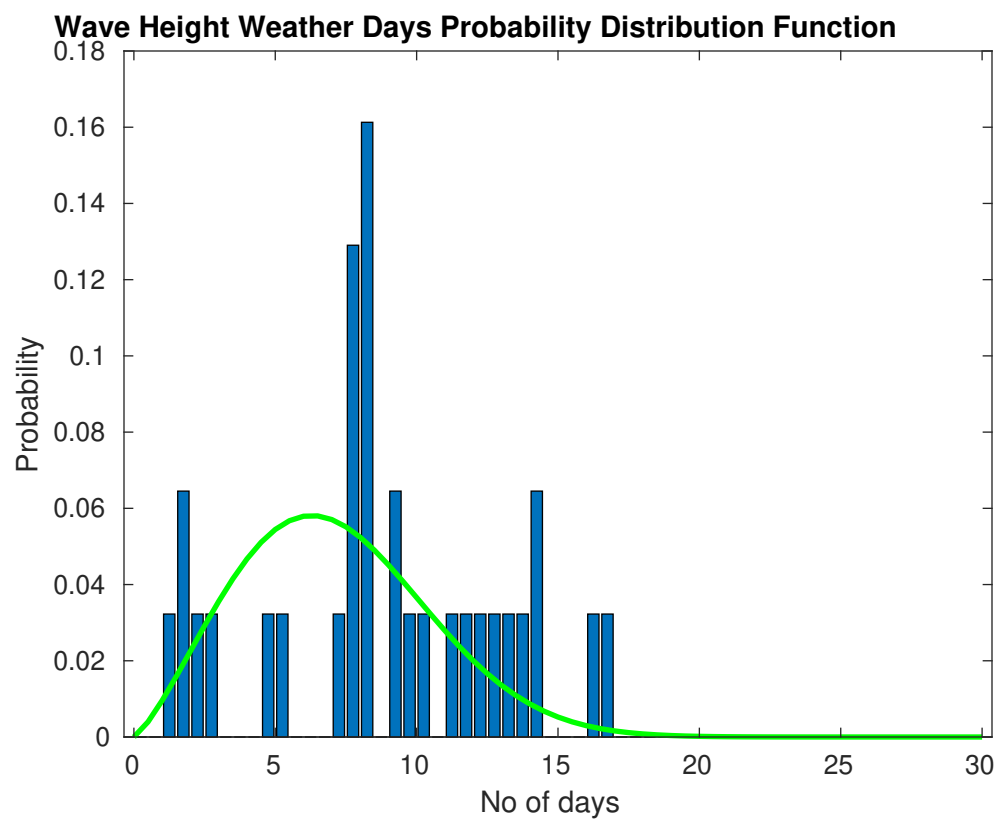
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.25-1.50 kts, but rarely greater.
Principle Direction, to: WSW

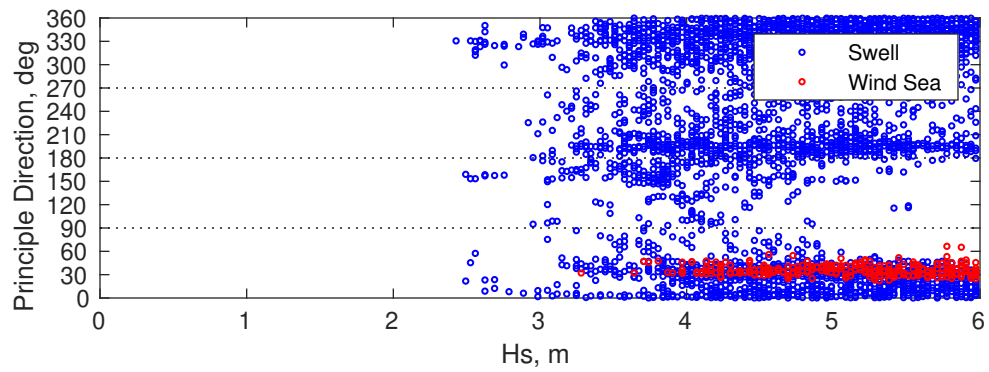
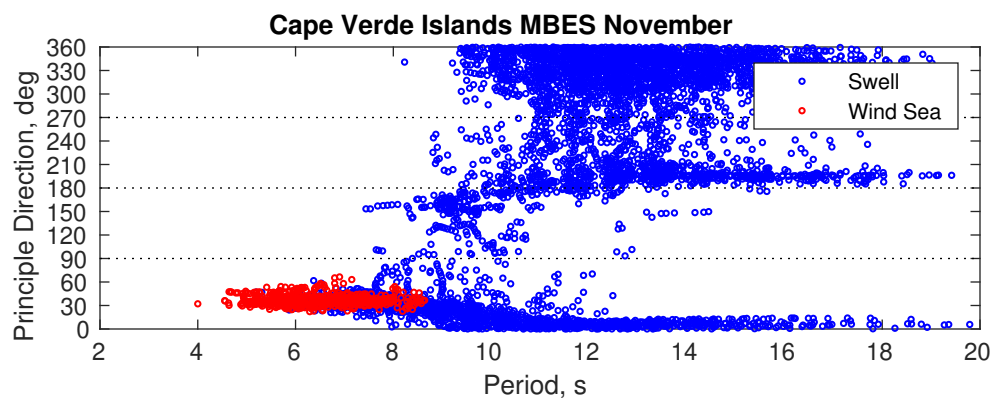
Weather Days

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

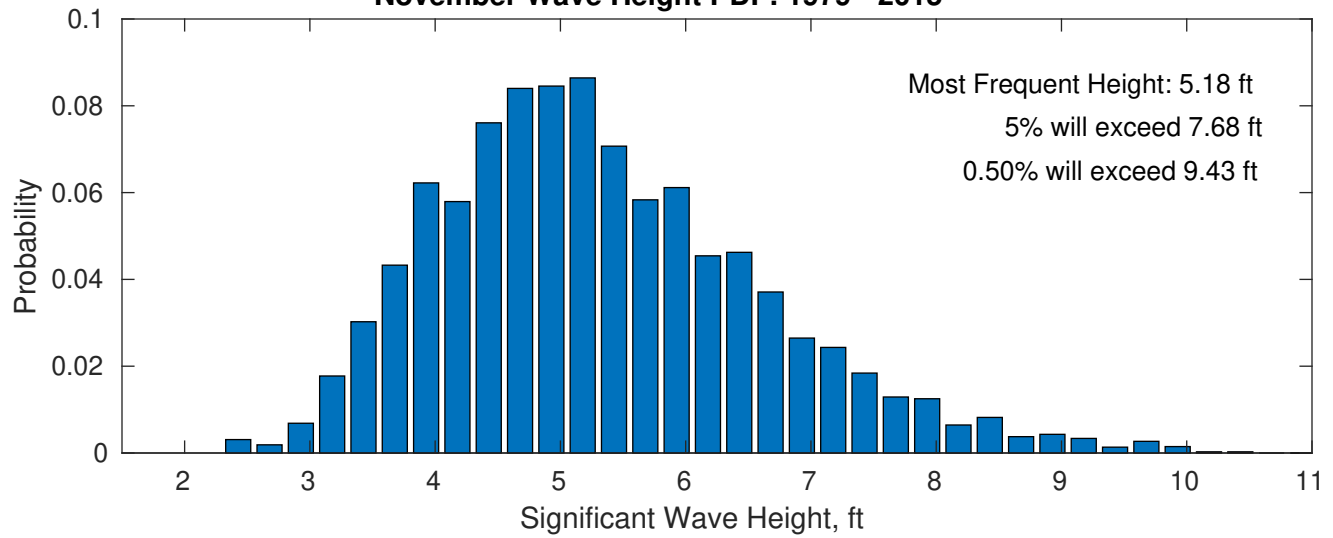
Severe Storms

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

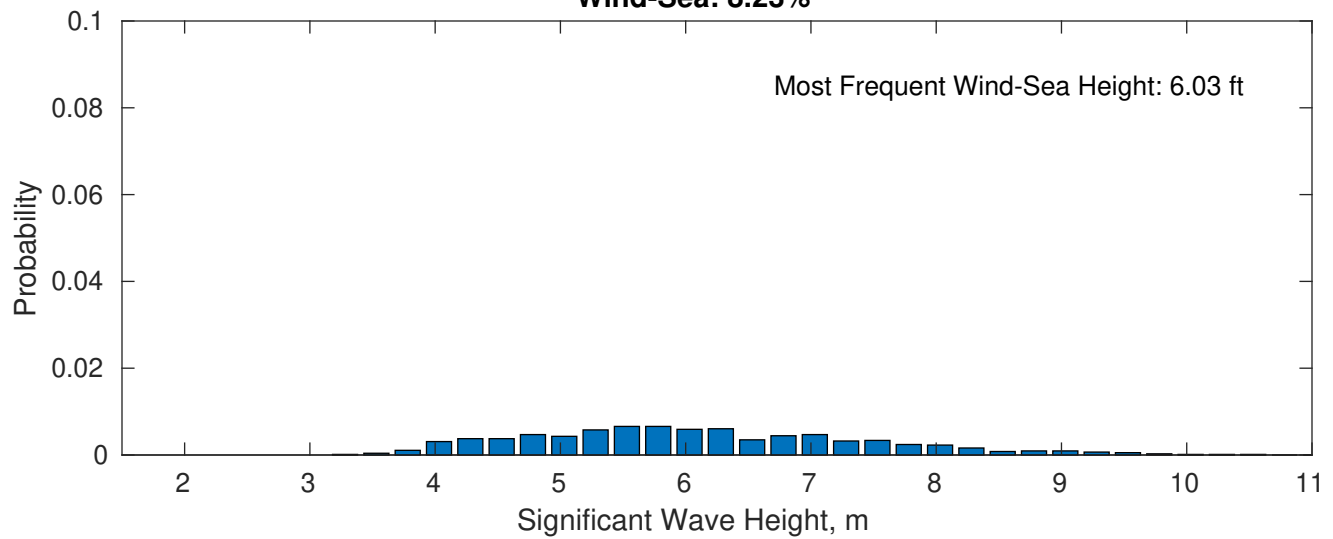




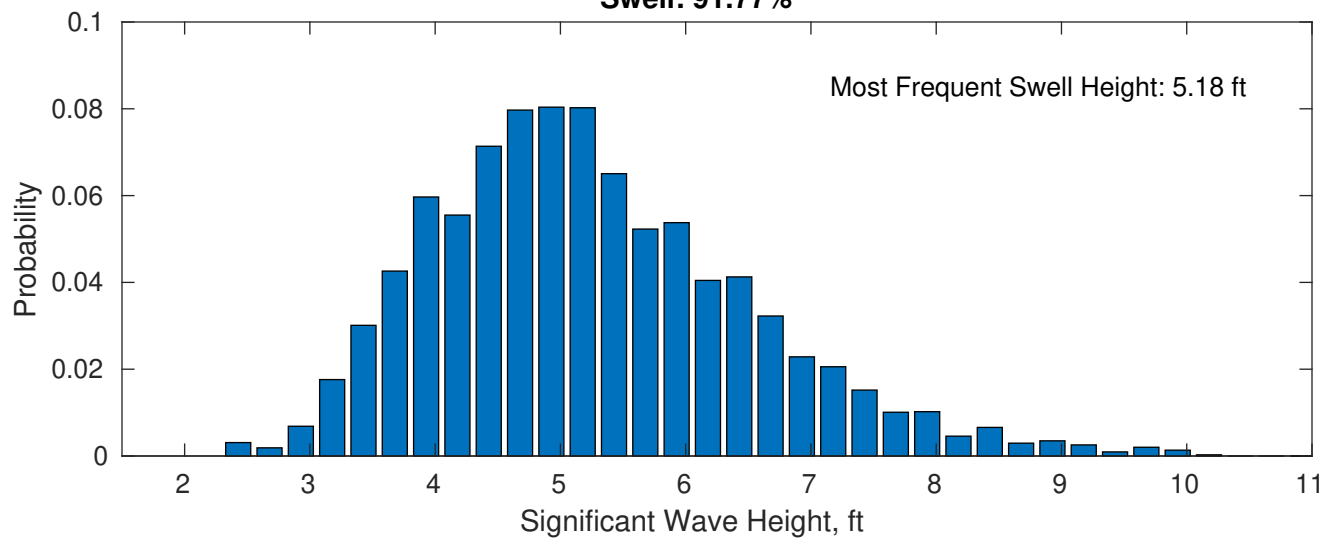
November Wave Height PDF: 1979 - 2015



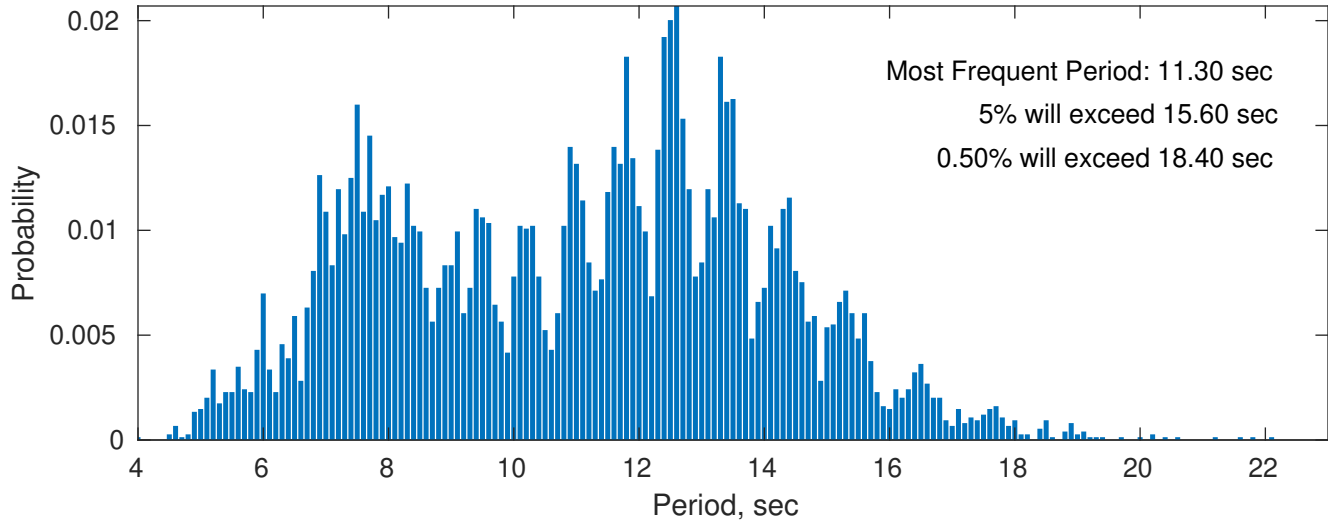
Wind-Sea: 8.23%



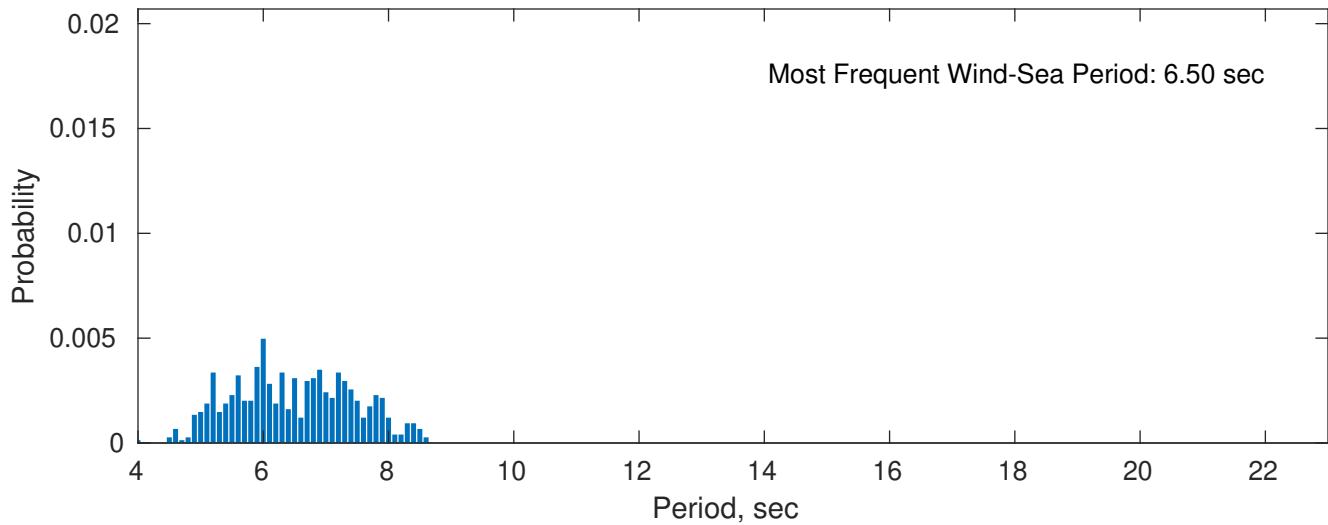
Swell: 91.77%



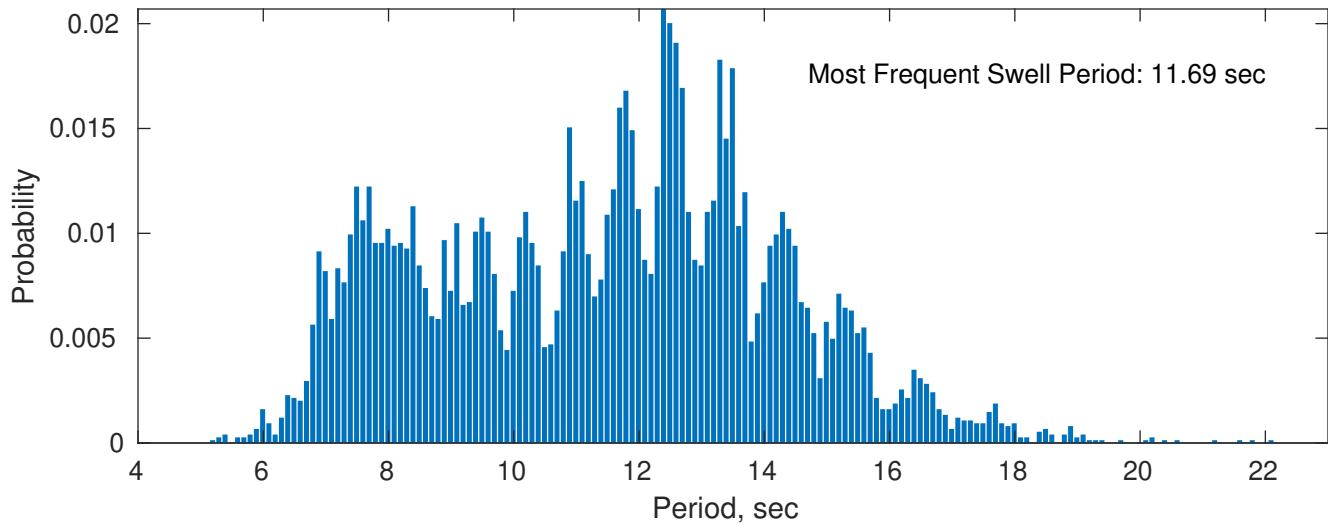
November Peak Wave Period PDF: 1979 - 2015



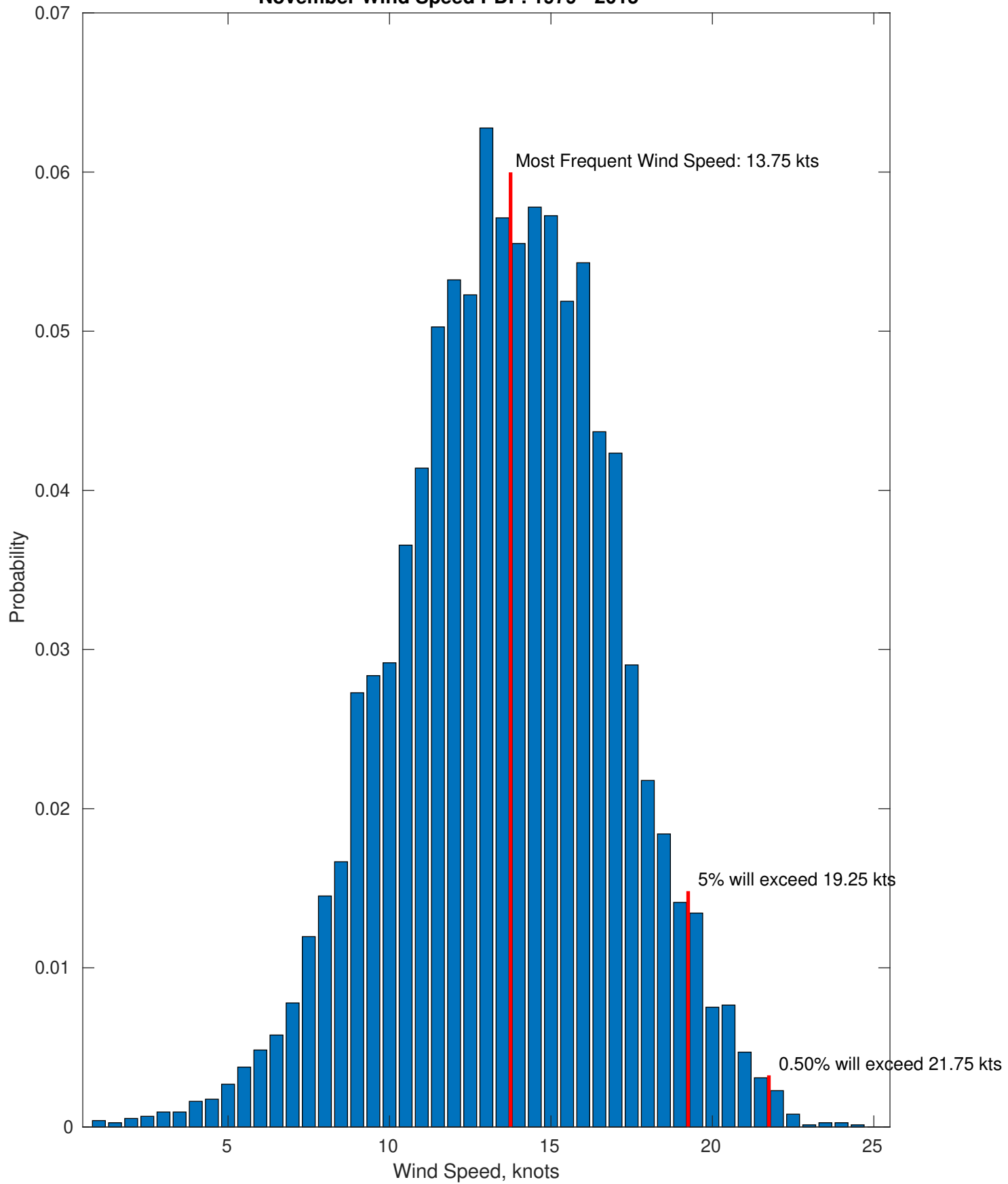
Wind-Sea: 8.23%



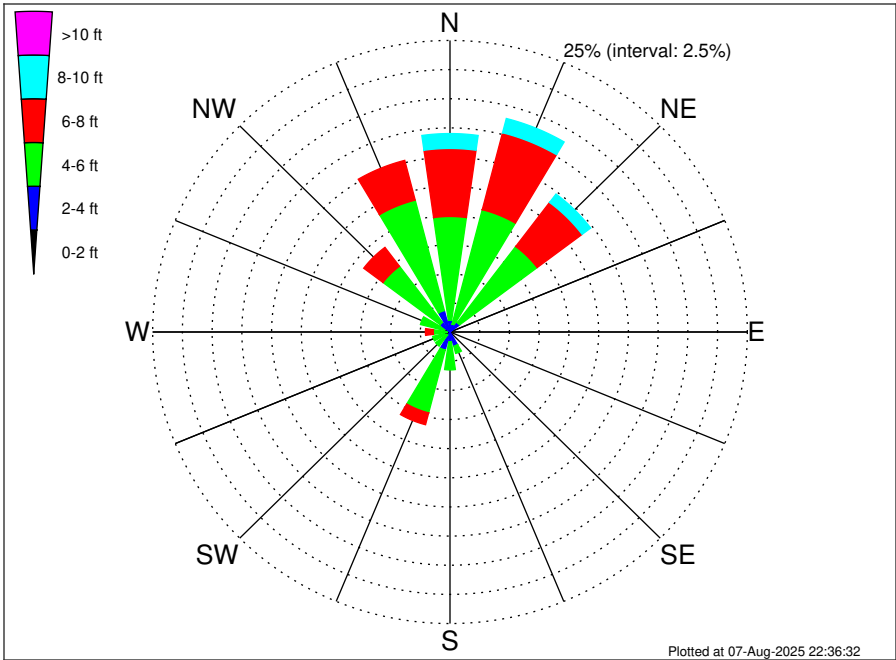
Swell: 91.77%



November Wind Speed PDF: 1979 - 2015



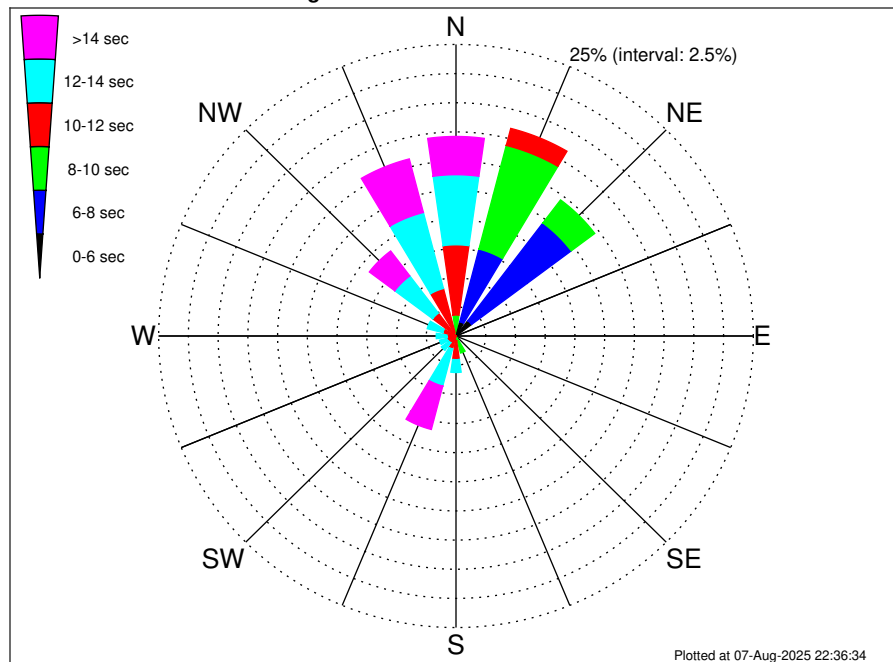
Cape Verde Islands MBES Climatological WaveHeight Rose for November: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
1 - 2 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 - 4 ft	1.01	0.70	1.01	0.27	0.17	0.09	0.22	1.25	0.83	1.60	0.34	0.47	0.26	0.54	1.03	1.90	11.68
4 - 6 ft	8.90	10.13	8.17	0.38	0.26	0.20	0.28	0.65	2.42	5.56	1.18	1.03	1.16	2.03	6.02	9.78	58.16
6 - 8 ft	5.83	6.81	4.73	0.07	.	0.01	.	.	0.48	1.05	0.28	0.16	0.66	0.32	2.03	3.52	25.97
8 - 10 ft	1.28	1.26	0.90	.	.	.	.	.	.	0.07	.	.	.	0.01	0.04	0.48	4.05
10 - 12 ft	0.09	.	0.05	.	.	.	.	.	.	.	.	.	.	.	.	.	0.15
12 - 14 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	17.11	18.91	14.87	0.71	0.43	0.31	0.50	1.90	3.74	8.28	1.80	1.67	2.07	2.90	9.13	15.69	100.00

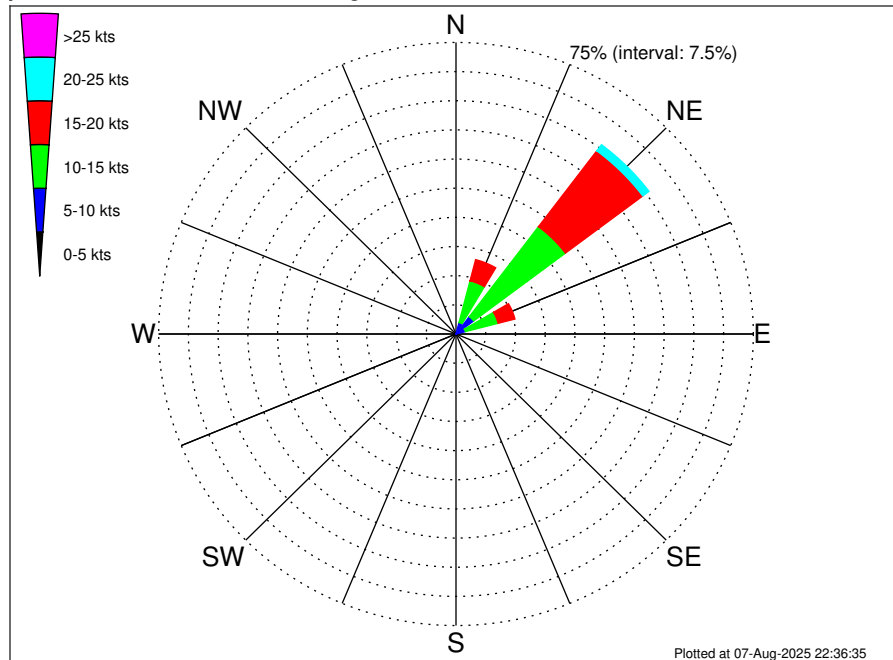
Cape Verde Islands MBES Climatological WavePeriod Rose for November: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 sec	•	0.01	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0.01
4 - 6 sec	•	1.25	1.64	•	•	•	•	•	•	•	•	•	•	•	•	•	2.89
6 - 8 sec	0.07	6.44	10.50	0.27	0.07	•	•	0.08	•	•	•	•	•	•	•	•	17.42
8 - 10 sec	1.73	9.18	2.47	0.35	0.22	0.13	0.40	1.42	0.40	0.13	0.09	0.13	•	0.05	0.12	0.31	17.16
10 - 12 sec	6.02	1.51	0.24	0.08	0.12	0.16	0.04	0.28	1.63	1.01	0.63	0.66	0.75	1.09	2.34	3.90	20.46
12 - 14 sec	6.01	0.17	0.01	0.01	0.03	0.01	0.05	0.07	1.10	3.29	0.82	0.65	0.91	1.36	3.99	6.73	25.23
14 - 16 sec	2.51	0.23	•	•	•	•	•	0.04	0.34	2.72	0.16	0.17	0.38	0.38	2.03	3.84	12.80
18 - 20 sec	0.60	0.11	•	•	•	•	•	•	0.24	0.91	0.09	0.05	0.03	0.03	0.52	0.77	3.36
22 - 24 sec	0.16	0.01	•	•	•	•	•	•	0.03	0.22	•	•	•	•	0.12	0.13	0.67
Total	17.11	18.91	14.87	0.71	0.43	0.31	0.50	1.90	3.74	8.28	1.80	1.67	2.07	2.90	9.13	15.69	100.00

Cape Verde Islands MBES 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 - 5 kts	0.07	0.09	0.13	0.07	0.08	0.04	0.04	0.04	0.03	0.01	0.01	•	•	•	0.03	0.07	0.71
5 - 10 kts	0.47	2.96	5.44	2.38	0.56	0.17	0.11	0.01	0.04	0.03	0.03	0.01	0.01	0.01	0.04	0.08	12.37
10 - 15 kts	0.44	11.08	28.99	8.53	0.39	0.03	0.07	0.01	•	•	0.03	•	•	•	•	0.04	49.61
15 - 20 kts	0.08	5.63	24.44	4.38	0.05	0.01	•	•	•	0.01	•	•	•	•	•	0.01	34.62
20 - 25 kts	0.03	0.13	1.96	0.54	•	•	•	•	0.01	•	0.01	•	•	•	•	•	2.69
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	1.09	19.89	60.97	15.90	1.09	0.26	0.22	0.07	0.08	0.05	0.08	0.01	0.01	0.01	0.07	0.20	100.00