

Cape Verde Islands MBES - February

Latitude: 16.00 N Longitude: 24.00 W

Weather Days

Wave Height > 6.0 ft Mean: 10.4 days Range: 5.5 - 15.4 days p50:15.5 days p75:12 days p90:9.5 days
Wave Height > 7.0 ft Mean: 5.8 days Range: 1.0 - 10.7 days p50:9.5 days p75:5.5 days p90:2.5 days
Wave Height > 8.0 ft Mean: 2.5 days Range: 0.0 - 5.3 days p50:4 days p75:2 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 17.3 days Range: 12.8 - 21.9 days p50:17.5 days p75:15 days p90:12.5 days
Wind Speed > 20.0 knots Mean: 3.2 days Range: 0.8 - 5.6 days p50:3 days p75:1.5 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 2.3 times per month A 2 day or longer window will statistically occur 1.7 times per month A 3 day or longer window will statistically occur 1.4 times per month
Wave Height < 7.0 ft	A 1 day or longer window will statistically occur 2.5 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 1.8 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 2.1 times per month A 2 day or longer window will statistically occur 1.9 times per month A 3 day or longer window will statistically occur 1.7 times per month

Waves

Mean Height: 6 - 8 ft
The wave heights will occasionally reach 10 - 12 ft, but rarely higher.
Mean Period: 8 - 10 sec
The wave periods will occasionally reach 18 - 20 sec, but rarely longer.
Principle Direction, from: NNE
WindSea/Swell: 20% / 80%

Winds

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

Currents

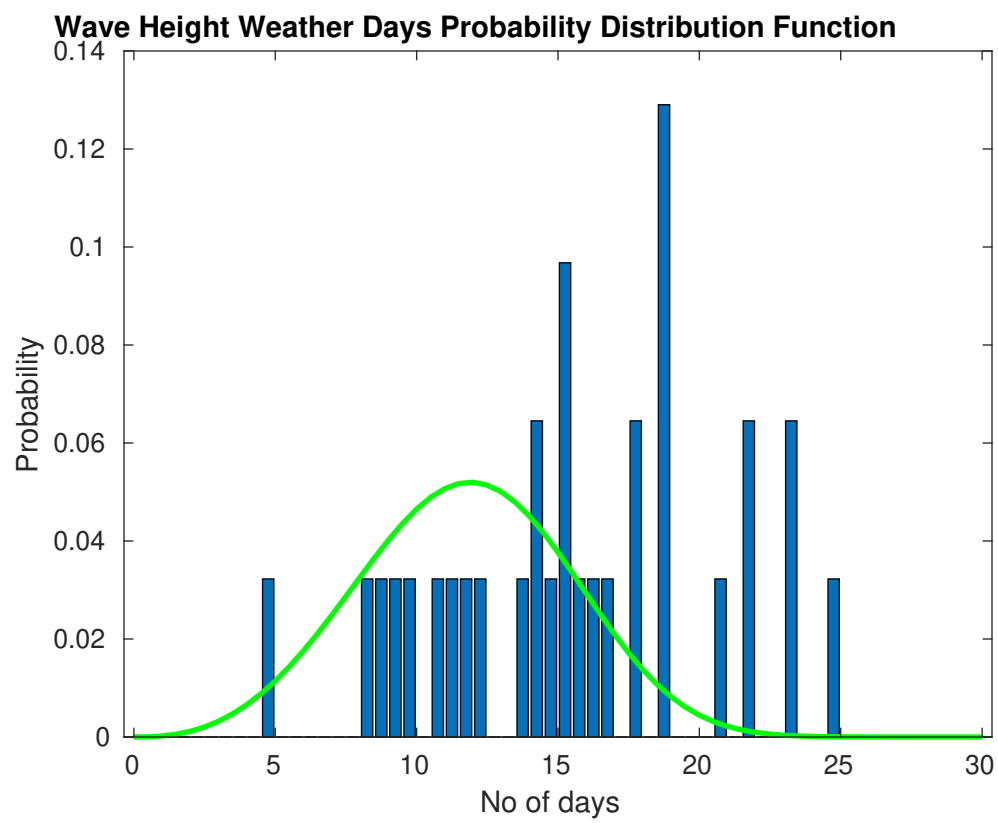
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.25-1.50 kts, but rarely greater.
Principle Direction, to: WSW

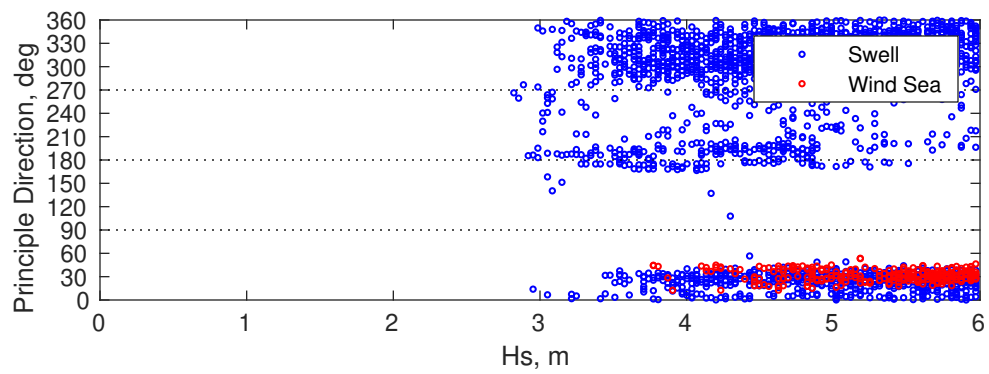
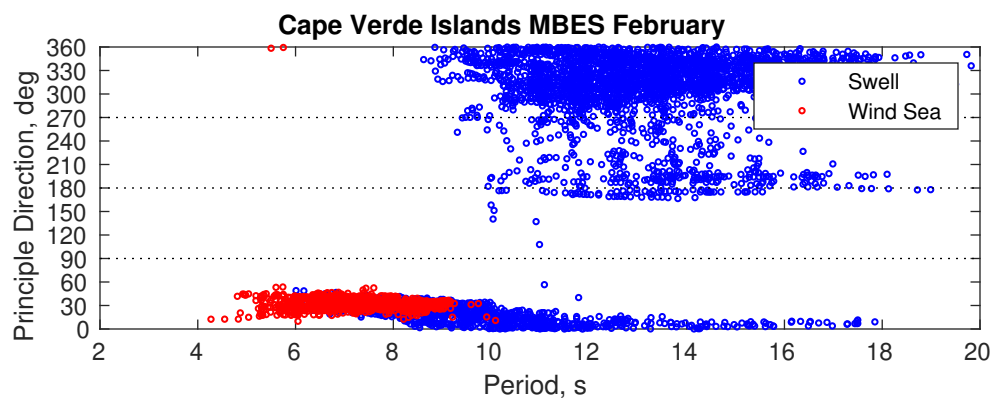
Weather Days

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

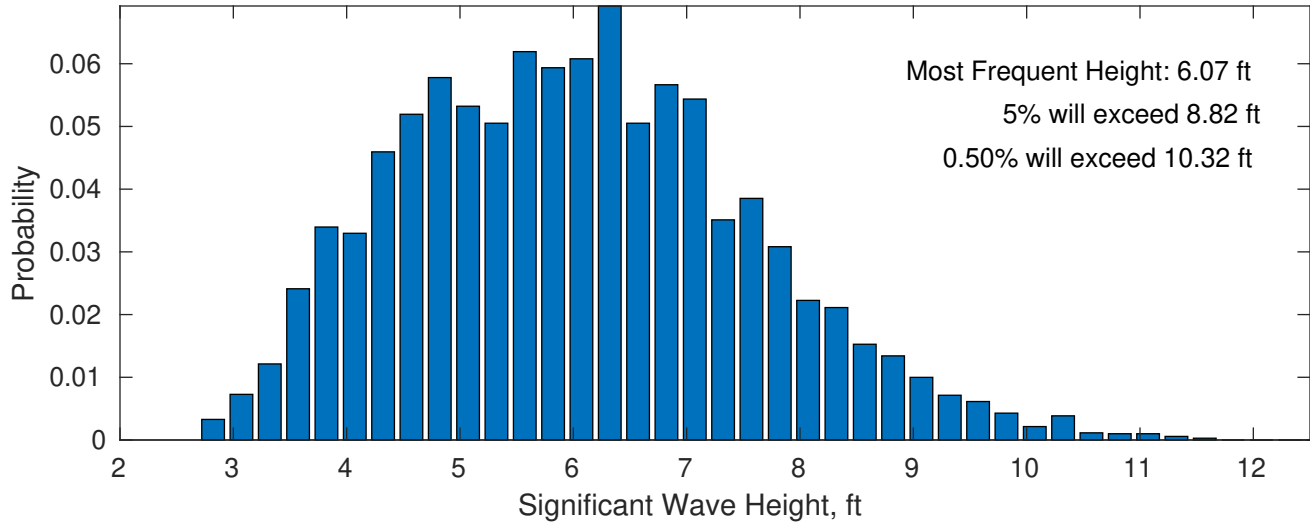
Severe Storms

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

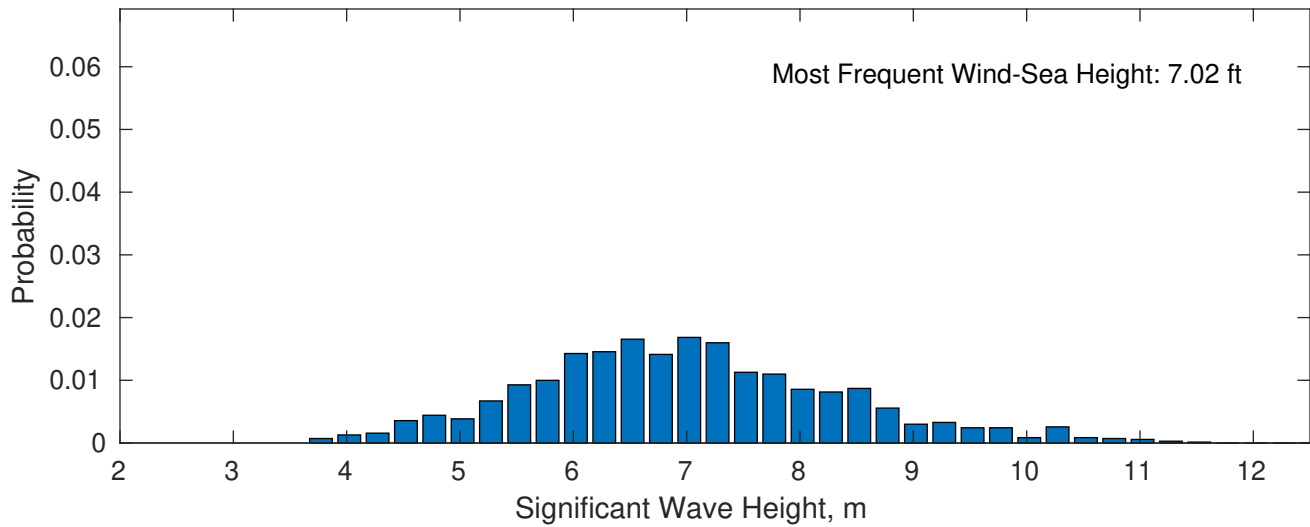




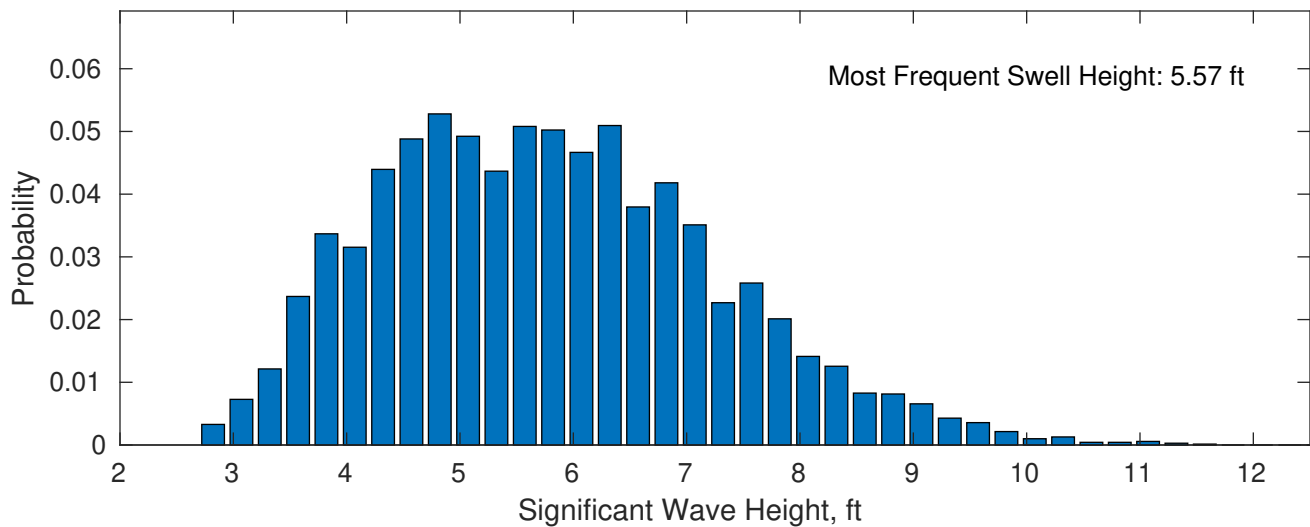
February Wave Height PDF: 1979 - 2015



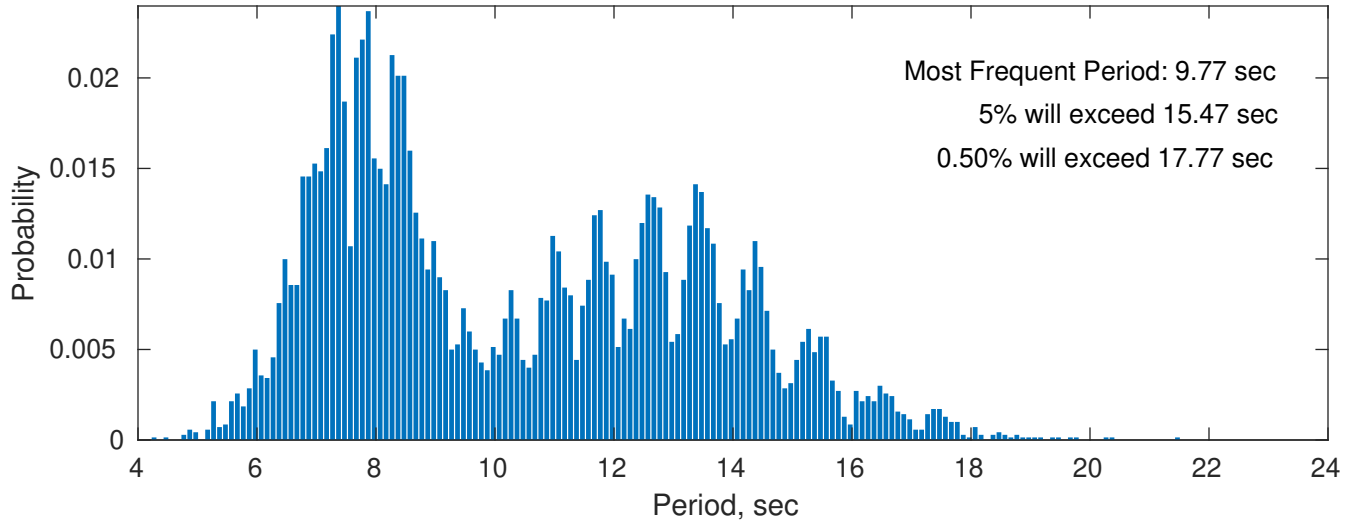
Wind-Sea: 20.41%



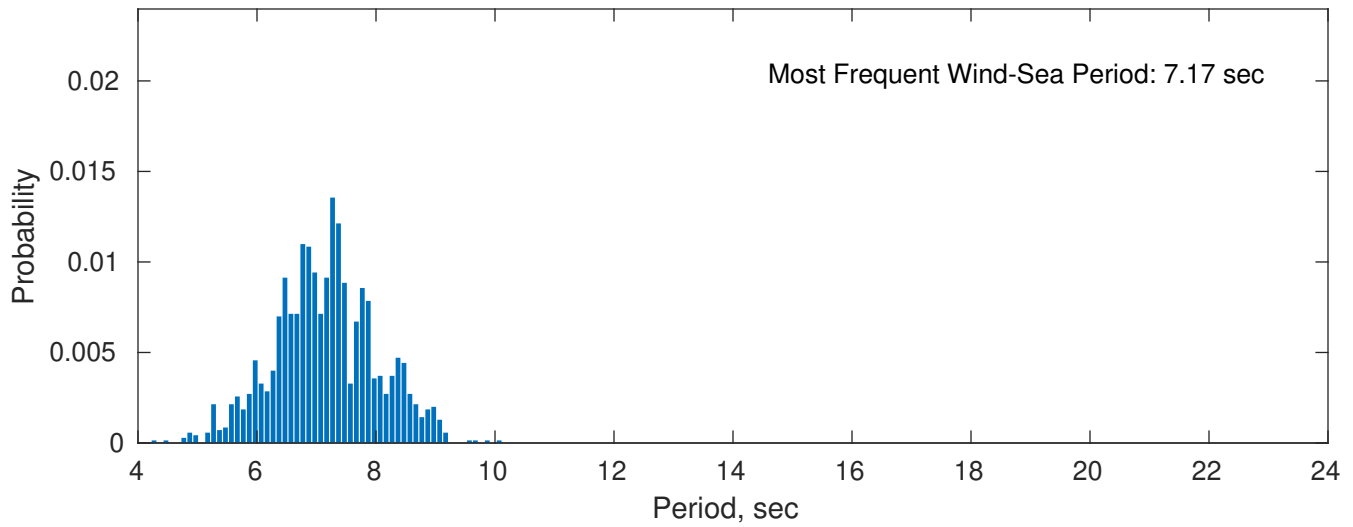
Swell: 79.59%



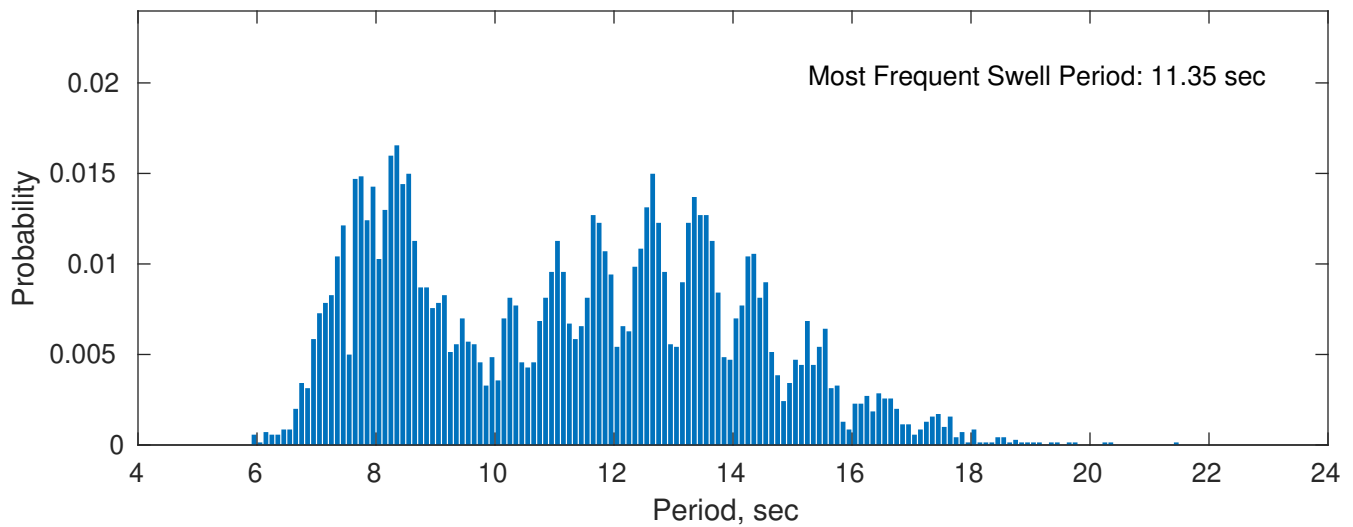
February Peak Wave Period PDF: 1979 - 2015



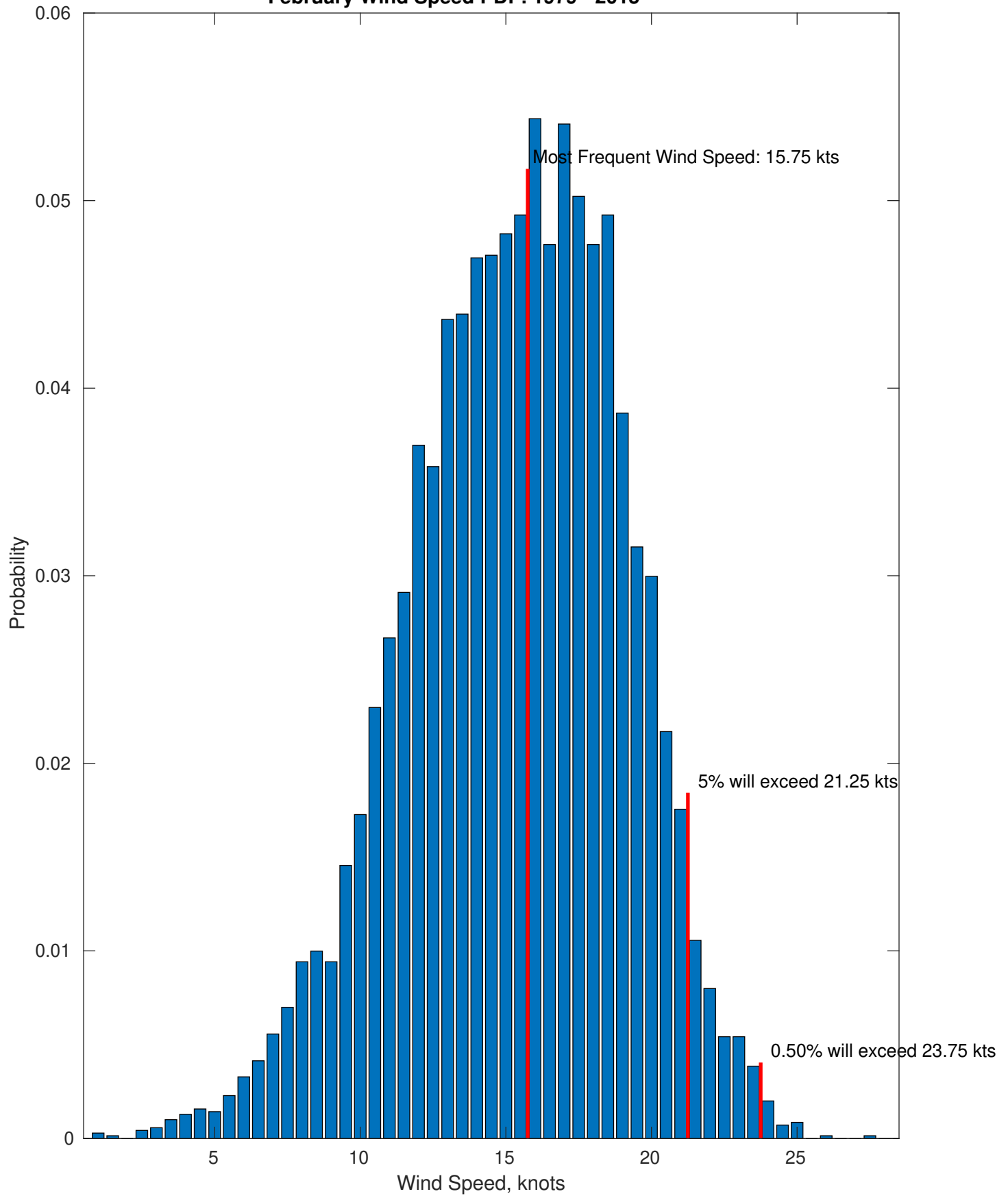
Wind-Sea: 20.41%



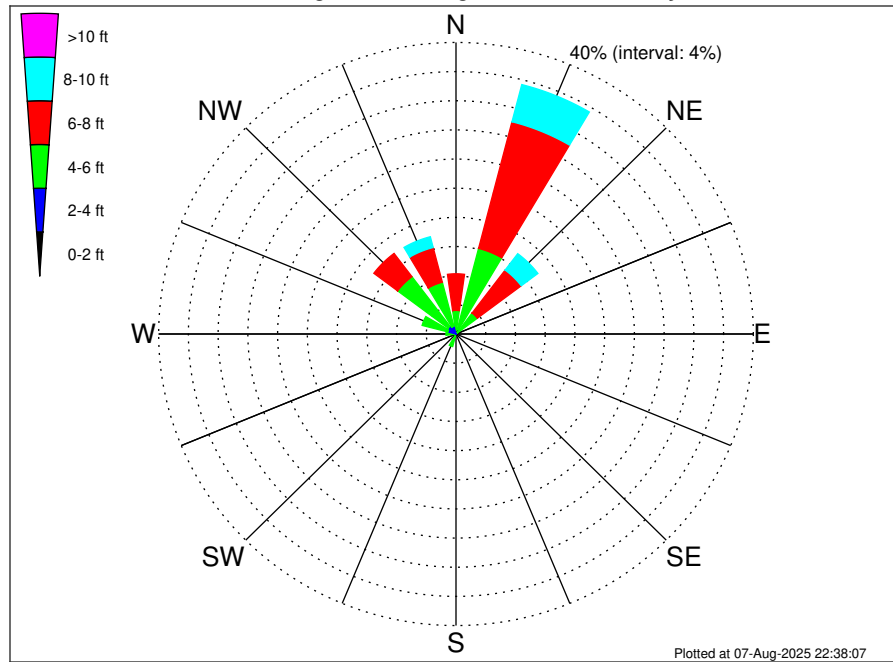
Swell: 79.59%



February Wind Speed PDF: 1979 - 2015



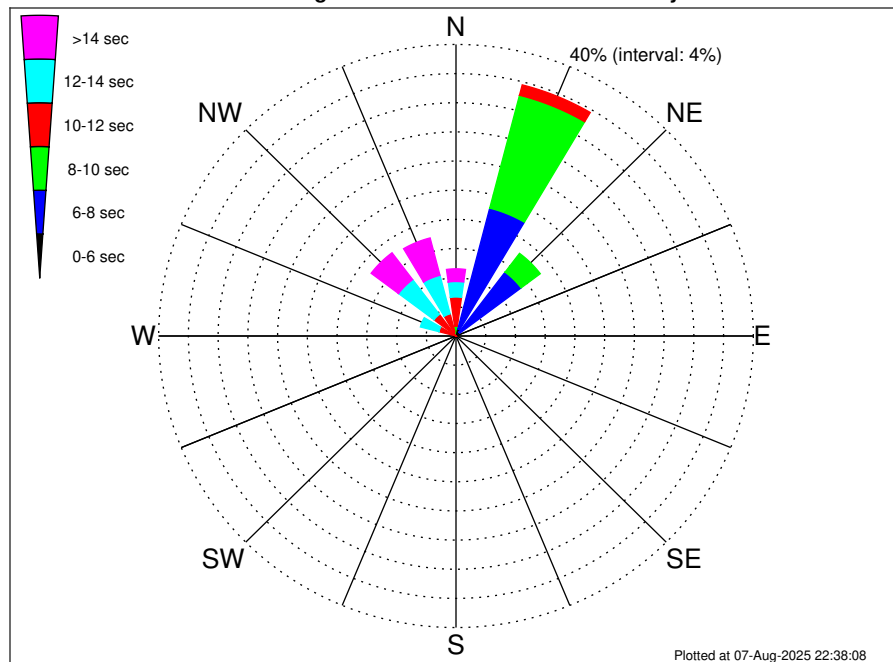
Cape Verde Islands MBES Climatological WaveHeight Rose for February: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1 - 2 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 ft	0.49	0.64	0.14	•	•	•	0.01	0.11	0.94	0.31	0.10	0.13	0.27	1.16	1.33	1.10	6.74
4 - 6 ft	2.75	11.49	3.45	0.01	•	0.01	0.01	0.03	0.87	1.47	0.41	0.37	1.08	3.55	8.52	6.24	40.28
6 - 8 ft	5.02	17.95	7.39	•	•	•	•	•	0.07	0.13	0.17	0.26	0.26	0.76	4.00	4.92	40.92
8 - 10 ft	0.81	5.27	2.81	•	•	•	•	•	•	•	•	•	•	0.10	0.46	1.53	10.97
10 - 12 ft	0.14	0.41	0.41	•	•	•	•	•	•	•	•	•	•	•	•	0.11	1.08
12 - 14 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	9.22	35.76	14.21	0.01	•	0.01	0.03	0.14	1.88	1.91	0.68	0.76	1.61	5.57	14.30	13.90	100.00

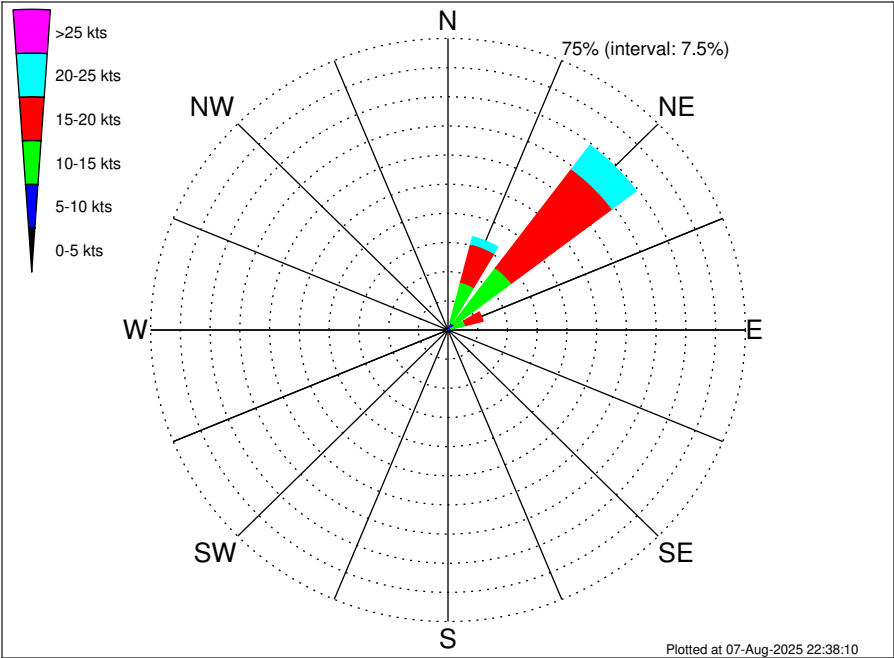
Cape Verde Islands MBES Climatological WavePeriod Rose for February: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 sec	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4 - 6 sec	0.03	1.01	0.64	•	•	•	•	•	•	•	•	•	•	•	•	•	1.68
6 - 8 sec	0.01	17.11	10.33	•	•	•	•	•	•	•	•	•	•	•	•	•	27.45
8 - 10 sec	1.31	16.00	3.22	•	•	•	•	0.01	0.01	0.01	•	0.03	0.13	0.03	0.23	0.59	21.58
10 - 12 sec	4.00	1.47	0.01	0.01	•	0.01	0.03	0.01	0.41	0.21	0.16	0.21	0.66	2.35	3.48	2.55	15.60
12 - 14 sec	2.13	0.16	•	•	•	•	•	0.10	0.71	0.74	0.30	0.36	0.61	2.57	5.98	5.47	19.12
14 - 16 sec	1.14	•	•	•	•	•	•	0.01	0.53	0.68	0.21	0.16	0.21	0.59	3.50	3.95	10.99
18 - 20 sec	0.54	0.01	•	•	•	•	•	•	0.17	0.24	0.01	•	•	0.03	0.93	1.23	3.17
22 - 24 sec	0.06	•	•	•	•	•	•	•	0.04	0.01	•	•	•	•	0.19	0.11	0.41
Total	9.22	35.76	14.21	0.01	•	0.01	0.03	0.14	1.88	1.91	0.68	0.76	1.61	5.57	14.30	13.90	100.00

Cape Verde Islands MBES 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 - 5 kts	0.07	0.10	0.10	0.09	0.01	0.01	0.01	0.06	0.01	0.01	•	•	0.04	•	•	•	0.53
5 - 10 kts	1.00	1.86	1.93	0.74	0.26	0.06	0.04	0.04	0.04	0.01	•	0.01	0.10	0.07	0.11	0.43	6.71
10 - 15 kts	1.87	10.76	17.99	3.80	0.24	0.03	•	•	•	•	•	•	0.01	0.16	•	0.19	35.05
15 - 20 kts	0.41	10.17	31.84	4.49	0.10	•	•	•	•	•	•	•	•	•	0.01	0.06	47.09
20 - 25 kts	0.06	1.90	7.61	0.94	•	•	•	•	•	•	•	•	•	•	•	0.01	10.52
25 - 30 kts	•	0.03	0.07	•	•	•	•	•	•	•	•	•	•	•	•	0.01	0.11
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	3.41	24.81	59.53	10.06	0.61	0.10	0.06	0.10	0.06	0.03	•	0.01	0.16	0.23	0.13	0.70	100.00