

Angola Namibia CRS Swakopmunds (BU-SW) - February

Latitude: 22.64 S Longitude: 13.12 E

Weather Days

Wave Height > 5.0 ft Mean: 23.1 days Range: 20.2 - 26.1 days p50:23.5 days p75:20.5 days p90:20 days
Wave Height > 6.5 ft Mean: 14.6 days Range: 10.9 - 18.4 days p50:14.5 days p75:12 days p90:9.5 days
Wave Height > 8.0 ft Mean: 7.2 days Range: 3.5 - 10.8 days p50:7 days p75:4 days p90:3 days

Wind Speed > 15.0 knots Mean: 7.5 days Range: 4.2 - 10.8 days p50:7 days p75:5.5 days p90:4 days
Wind Speed > 20.0 knots Mean: 0.7 days Range: 0.0 - 1.5 days p50:1 days p75:0.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.1 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window

Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 0.9 times per month A 2 day or longer window will statistically occur 0.3 times per month A 3 day or longer window will statistically occur 0.1 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 2.3 times per month A 2 day or longer window will statistically occur 1.5 times per month A 3 day or longer window will statistically occur 0.7 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 3.5 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 1.9 times per month

Waves

Mean Height: 6 - 8 ft
The wave heights will occasionally reach 12 - 14 ft, but rarely higher.
Mean Period: 10 - 12 sec
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.
Principle Direction, from: SSW
WindSea/Swell: 1% / 99%

Winds

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

Currents

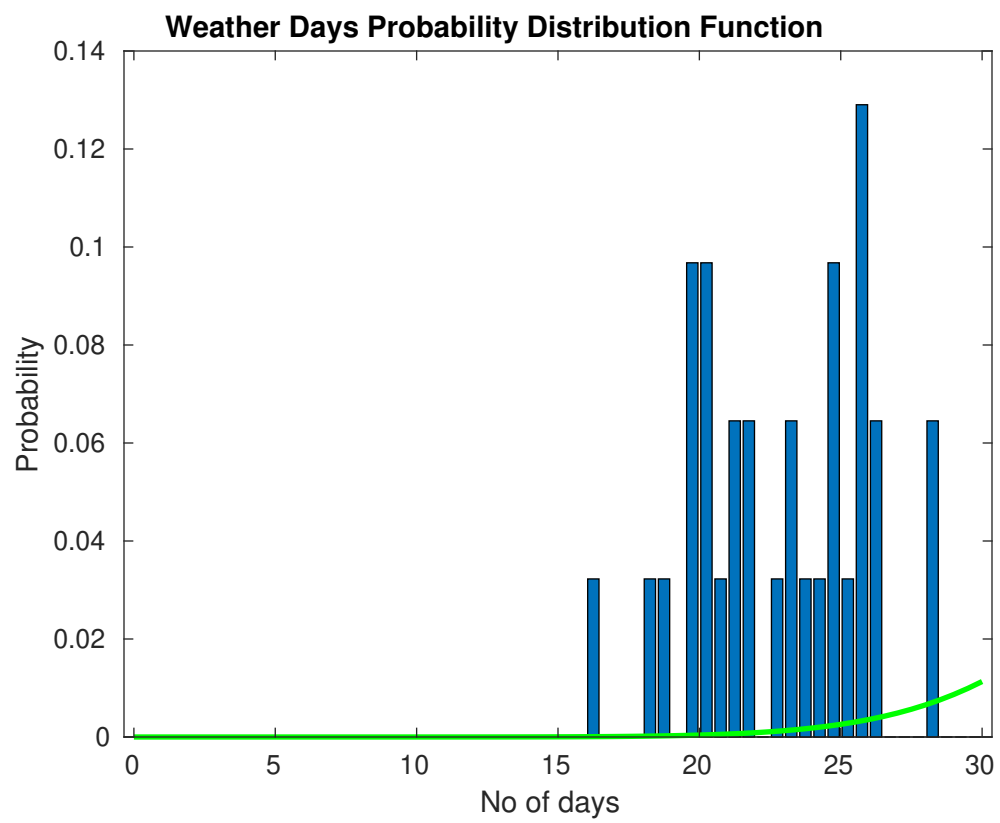
Mean Speed: 0.01-0.25 kts
The currents will occasionally reach 0.50-0.75 kts, but rarely greater.
Principle Direction, to: NNW

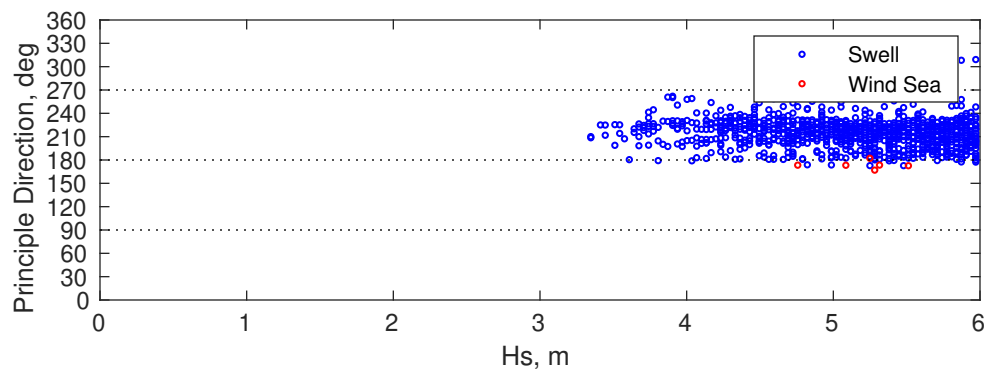
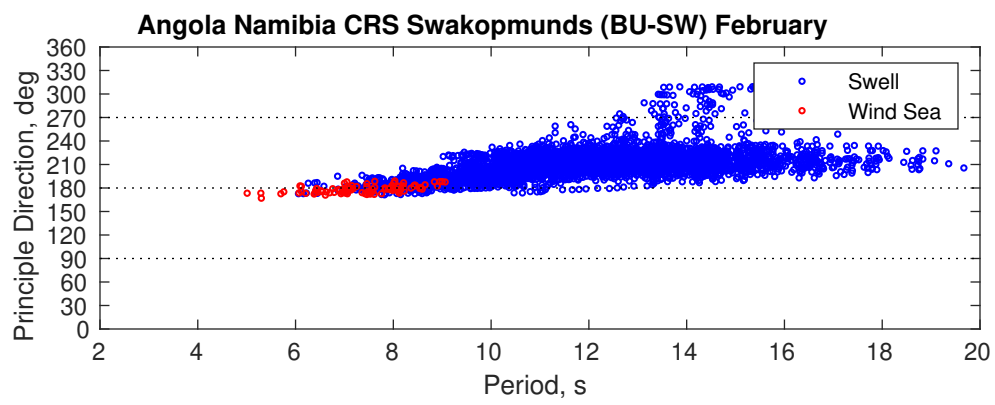
Weather Days

Current Speed > 0.5 knots Mean: 1.3 days Range: 0.0 - 3.4 days p50:1 days p75:1 days p90:1 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

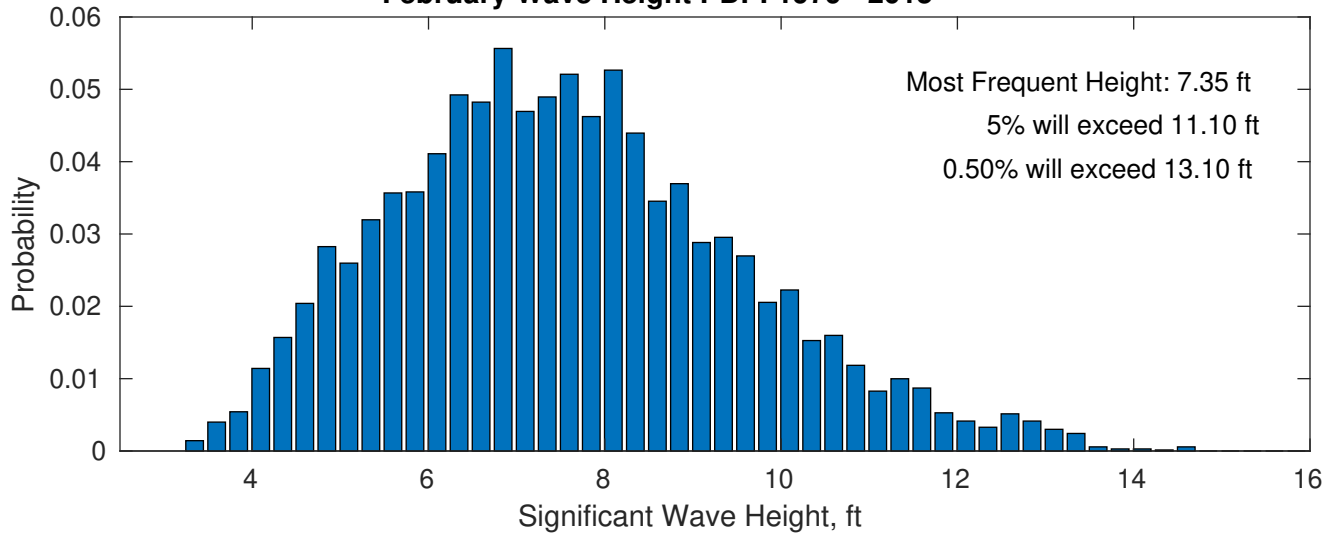
Severe Storms

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

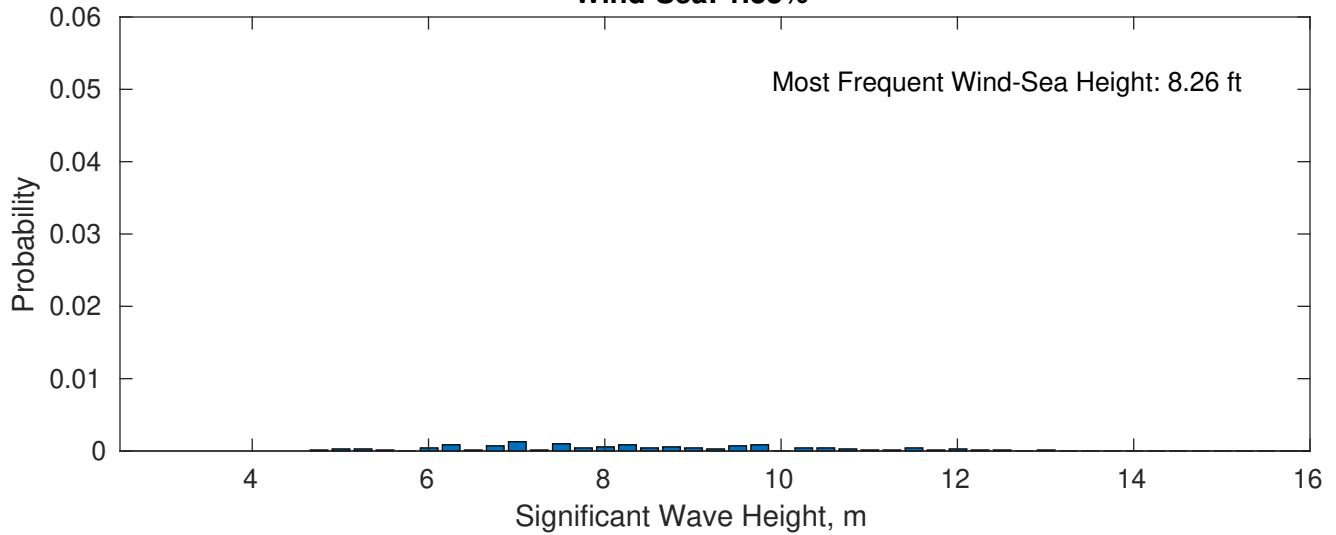




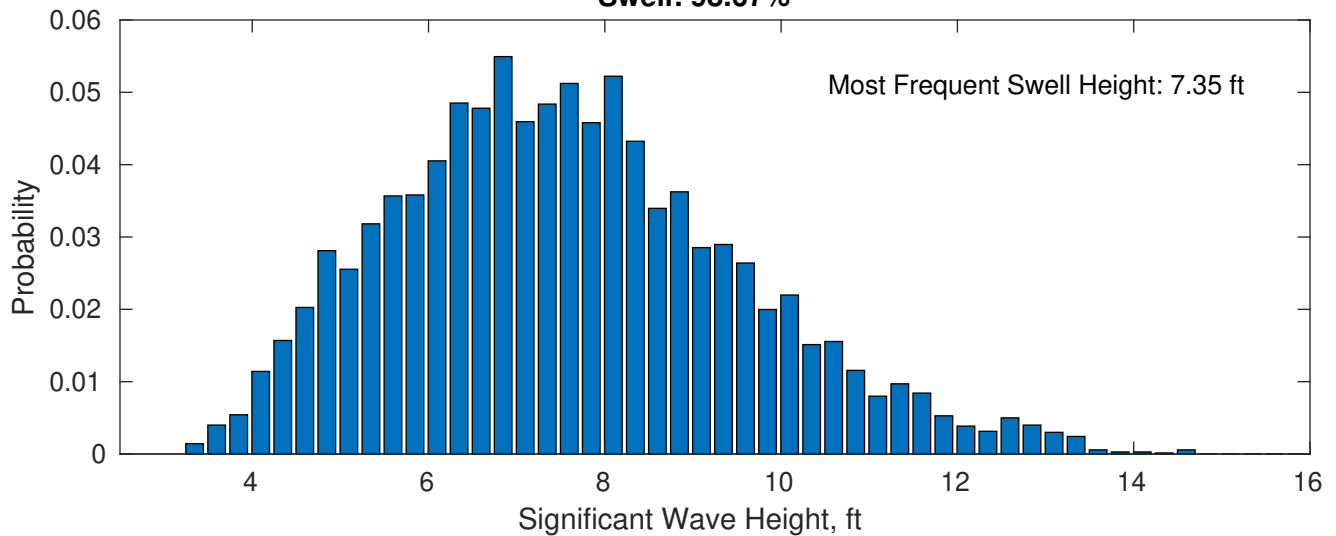
February Wave Height PDF: 1979 - 2015



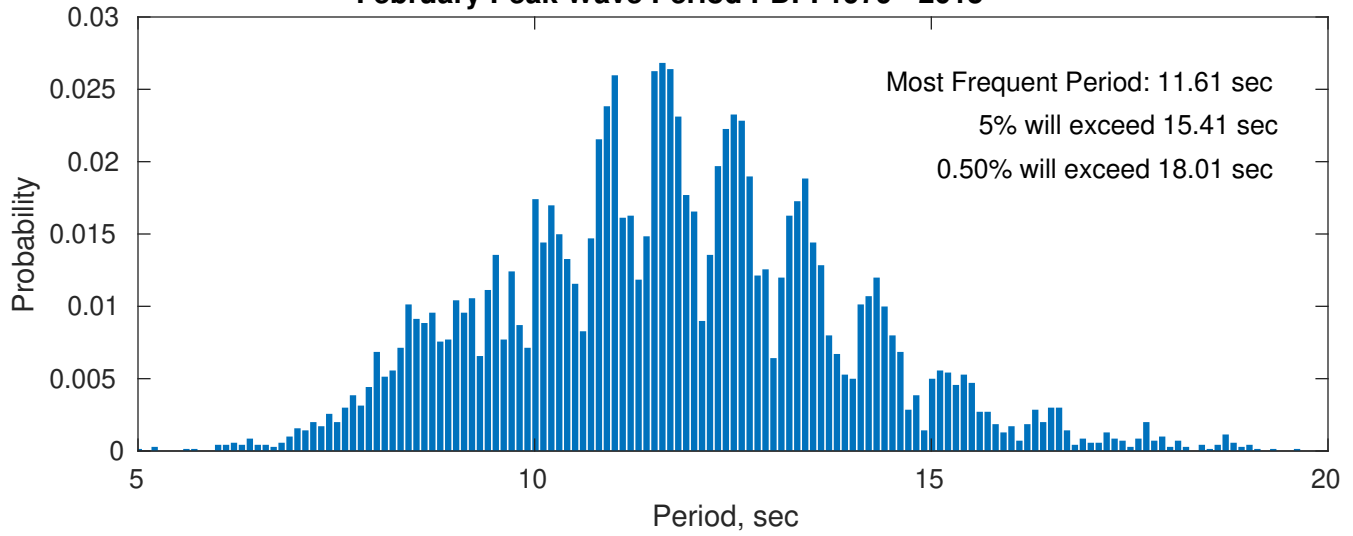
Wind-Sea: 1.33%



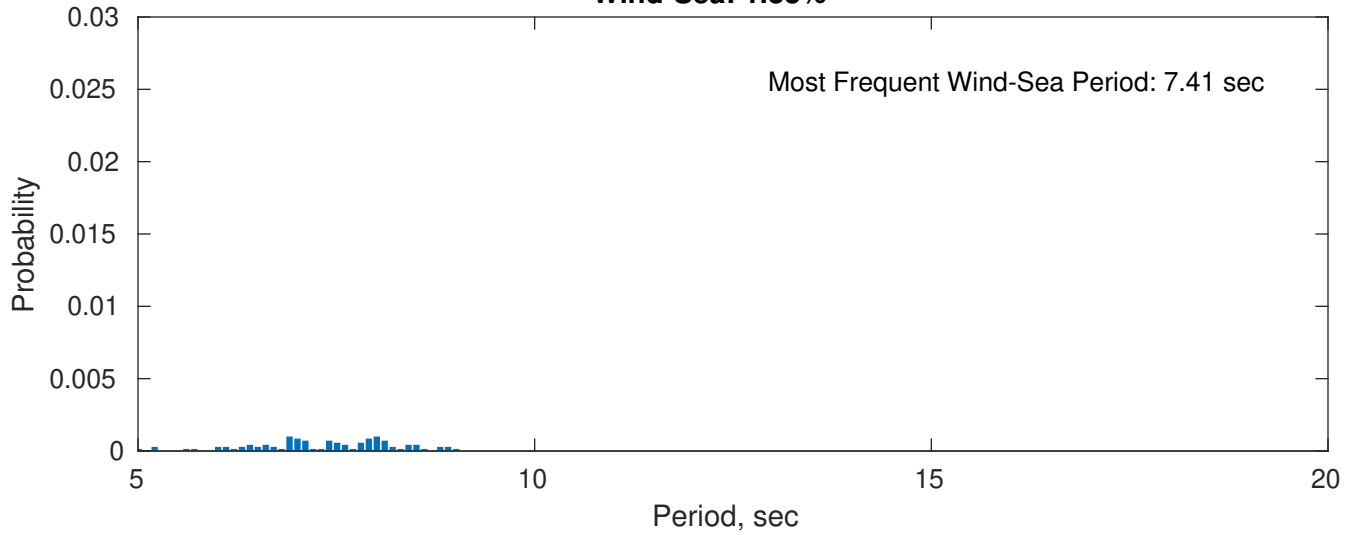
Swell: 98.67%



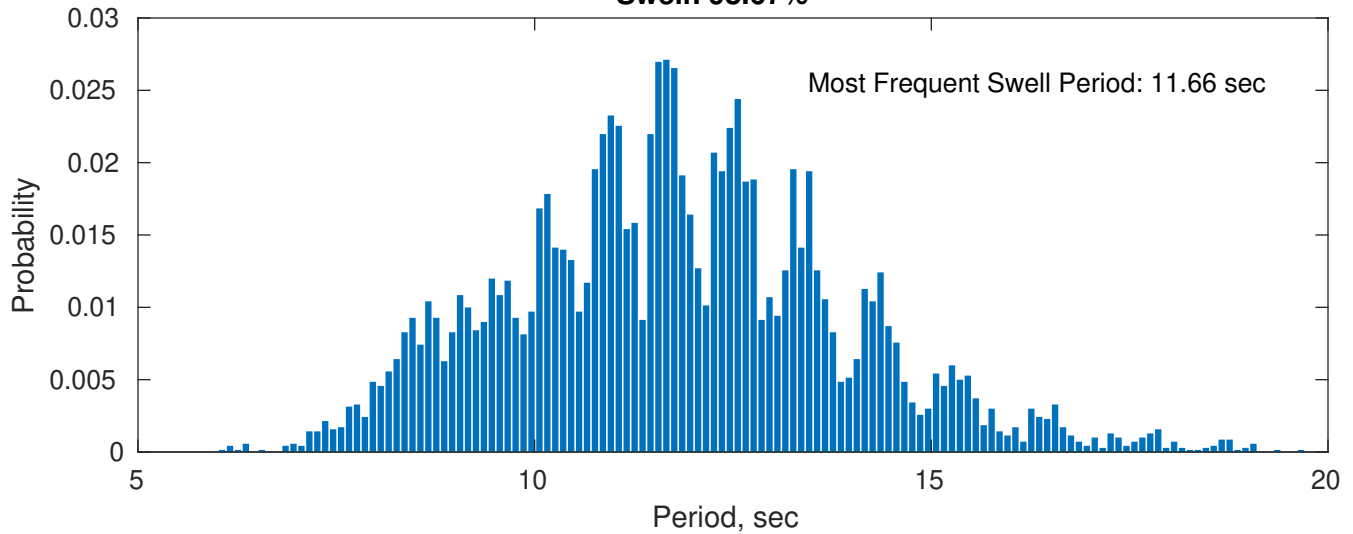
February Peak Wave Period PDF: 1979 - 2015



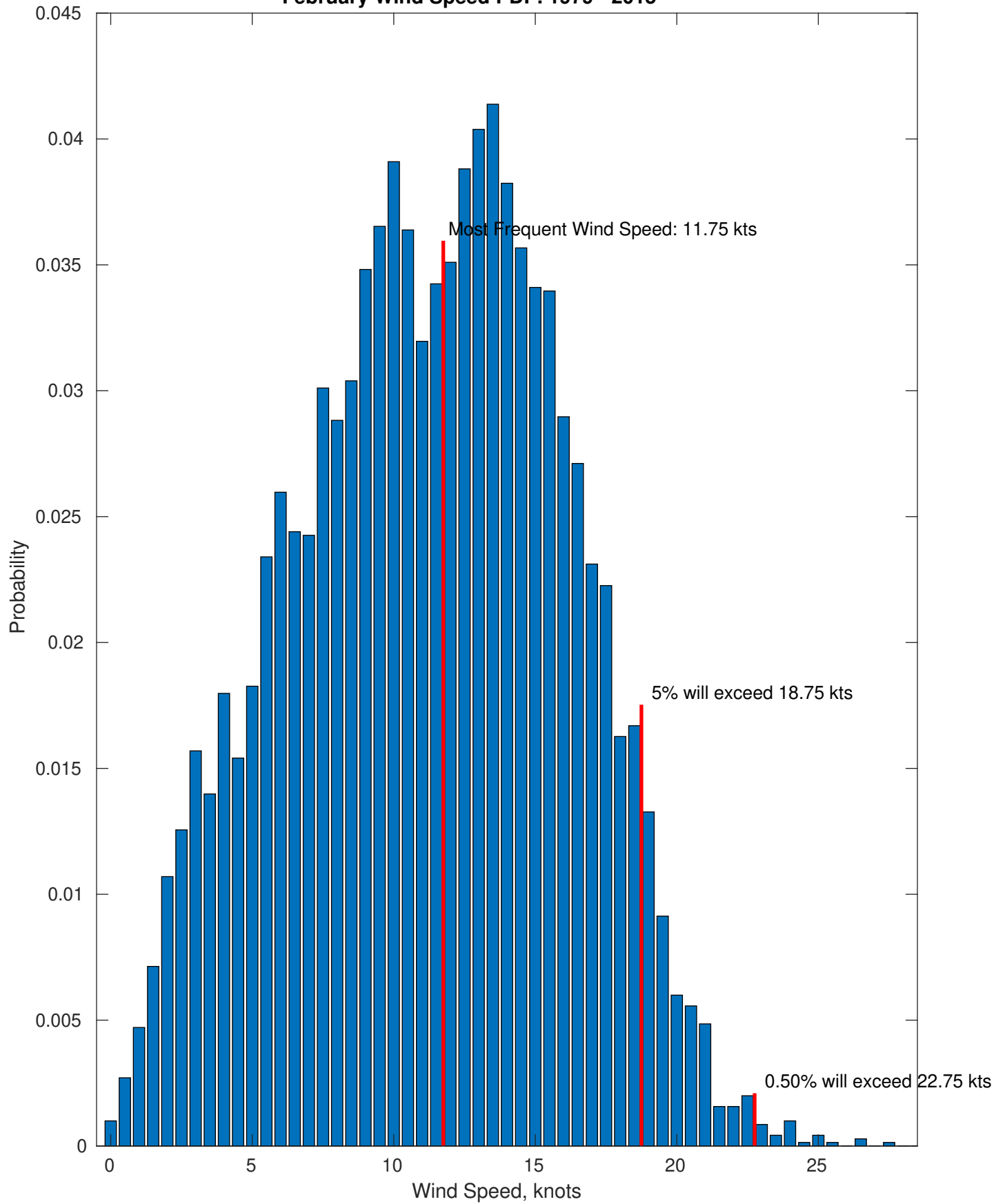
Wind-Sea: 1.33%



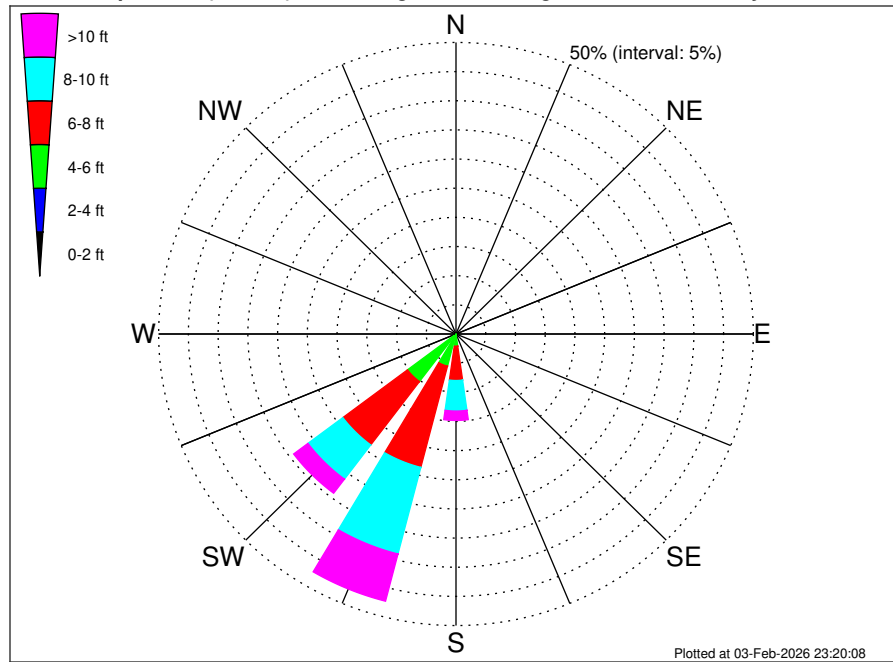
Swell: 98.67%



February Wind Speed PDF: 1979 - 2015



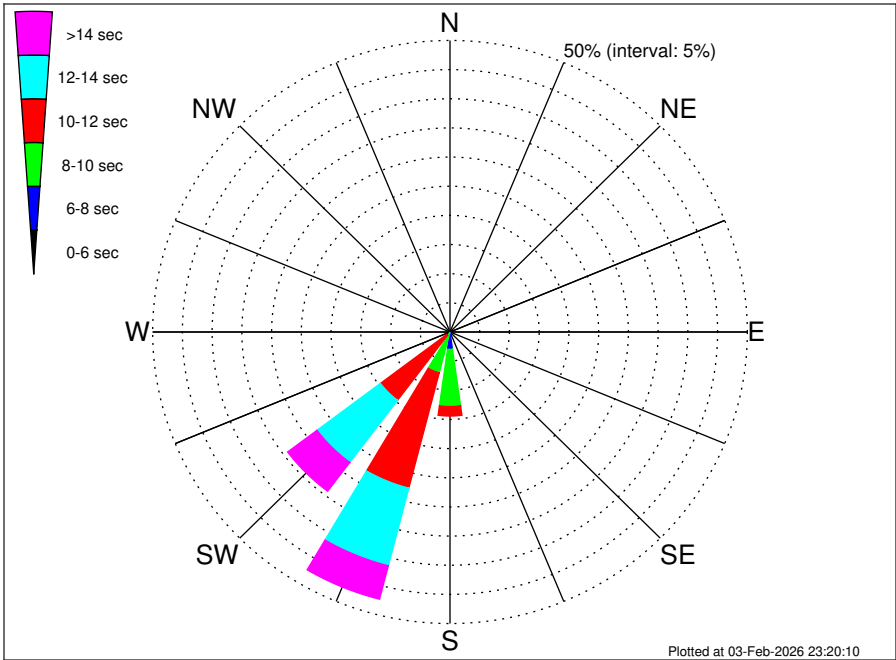
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WaveHeight Rose for February: 1979 - 2015



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	•	•	•	•	•	•	•	•	0.04	0.26	0.46	0.04	0.04	•	•	•	0.84
4 - 6 ft	•	•	•	•	•	•	•	0.01	2.05	5.45	9.76	0.81	0.41	0.40	0.34	•	19.25
6 - 8 ft	•	•	•	•	•	•	•	•	5.88	17.92	13.61	0.44	0.17	0.16	0.26	•	38.44
8 - 10 ft	•	•	•	•	•	•	•	•	5.24	15.34	7.35	0.06	0.09	0.03	0.33	•	28.42
10 - 12 ft	•	•	•	•	•	•	•	•	1.40	6.69	2.25	•	•	0.01	0.04	•	10.40
12 - 14 ft	•	•	•	•	•	•	•	•	0.21	1.56	0.76	•	•	•	•	•	2.53
14 - 16 ft	•	•	•	•	•	•	•	•	•	0.11	•	•	•	•	•	•	0.11
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	0.01	14.83	47.33	34.19	1.36	0.71	0.60	0.97	•	100.00

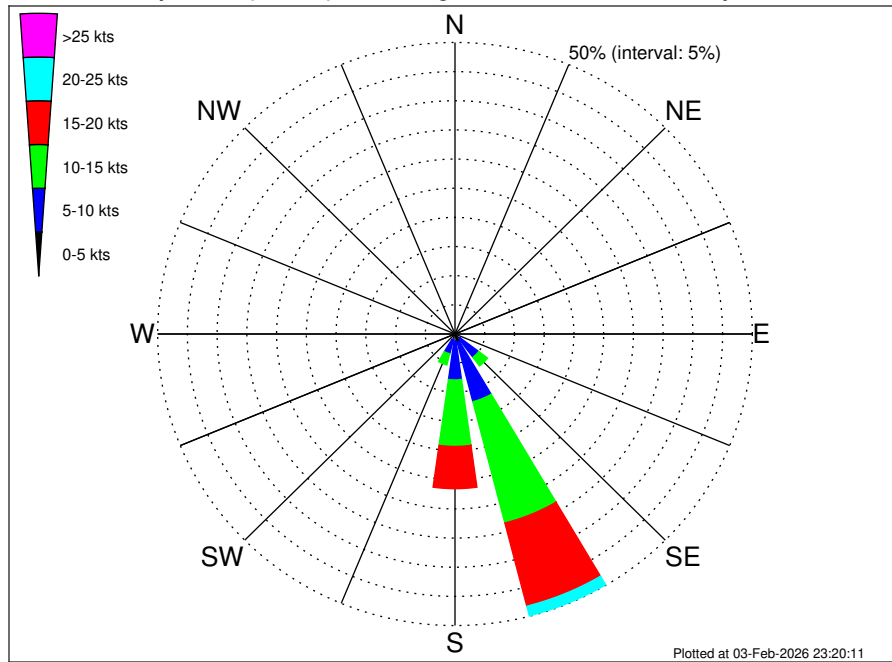
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WavePeriod Rose for February: 1979 - 2015



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	•	•	•	•	•	•	•	0.01	0.06	•	•	•	•	•	•	•	0.07
6 - 8 sec	•	•	•	•	•	•	•	•	2.93	0.19	•	•	•	•	•	•	3.11
8 - 10 sec	•	•	•	•	•	•	•	•	9.80	7.03	0.70	•	•	•	•	•	17.54
10 - 12 sec	•	•	•	•	•	•	•	•	1.63	20.43	13.96	0.19	0.03	•	•	•	36.23
12 - 14 sec	•	•	•	•	•	•	•	•	0.29	13.76	13.36	0.80	0.44	0.20	0.04	•	28.88
14 - 16 sec	•	•	•	•	•	•	•	•	0.13	4.87	4.82	0.31	0.17	0.27	0.41	•	10.99
18 - 20 sec	•	•	•	•	•	•	•	•	•	0.94	1.17	0.06	0.07	0.09	0.34	•	2.67
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.11	0.19	•	•	0.04	0.17	•	0.51
Total	•	•	•	•	•	•	•	0.01	14.83	47.33	34.19	1.36	0.71	0.60	0.97	•	100.00

Angola Namibia CRS Swakopmunds (BU-SW) 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	•	0.04	0.03	0.04	0.01	•	0.07	0.01	0.01	0.03	0.03	•	0.03	•	0.03	0.03	0.37
0 - 5 kts	0.31	0.21	0.30	0.36	0.47	0.68	1.01	1.47	1.23	1.03	0.63	0.54	0.44	0.41	0.37	0.34	9.82
5 - 10 kts	0.19	0.10	0.11	0.14	0.14	0.60	3.91	10.50	6.64	2.45	1.11	0.53	0.31	0.29	0.40	0.27	27.70
10 - 15 kts	•	•	•	•	0.01	0.01	1.86	21.49	11.40	1.95	0.34	0.04	•	•	0.01	•	37.13
15 - 20 kts	•	•	•	•	•	•	0.11	14.74	7.25	0.37	0.01	•	•	•	•	•	22.49
20 - 25 kts	•	•	•	•	•	•	•	1.70	0.70	•	•	•	•	•	•	•	2.40
25 - 30 kts	•	•	•	•	•	•	•	0.09	0.01	•	•	•	•	•	•	•	0.10
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.50	0.36	0.44	0.54	0.64	1.30	6.96	50.00	27.24	5.84	2.13	1.11	0.78	0.70	0.81	0.64	100.00