

Angola Namibia CRS Swakopmunds (BU-SW) - August

Latitude: 22.64 S Longitude: 13.12 E

Weather Days

Wave Height > 5.0 ft Mean: 24.8 days Range: 22.6 - 27.0 days p50:24.5 days p75:23.5 days p90:21.5 days
Wave Height > 6.5 ft Mean: 19.7 days Range: 16.6 - 22.7 days p50:20 days p75:18 days p90:15.5 days
Wave Height > 8.0 ft Mean: 13.2 days Range: 10.3 - 16.2 days p50:13.5 days p75:11.5 days p90:9.5 days

Wind Speed > 15.0 knots Mean: 14.0 days Range: 11.0 - 17.1 days p50:14.5 days p75:12.5 days p90:11.5 days
Wind Speed > 20.0 knots Mean: 4.9 days Range: 3.0 - 6.9 days p50:5 days p75:4 days p90:2.5 days
Wind Speed > 25.0 knots Mean: 0.7 days Range: 0.0 - 1.6 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 0.5 times per month A 2 day or longer window will statistically occur 0.2 times per month A 3 day or longer window will statistically occur 0.0 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 1.8 times per month A 2 day or longer window will statistically occur 0.8 times per month A 3 day or longer window will statistically occur 0.3 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 3.2 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 1.3 times per month

Waves

Mean Height: 8 - 10 ft
The wave heights will occasionally reach 16 - 18 ft, but rarely higher.
Mean Period: 12 - 14 sec
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.
Principle Direction, from: SW
WindSea/Swell: 3% / 97%

Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 25 - 30 kts, but rarely greater.
Principle Direction, from: SSE

Currents

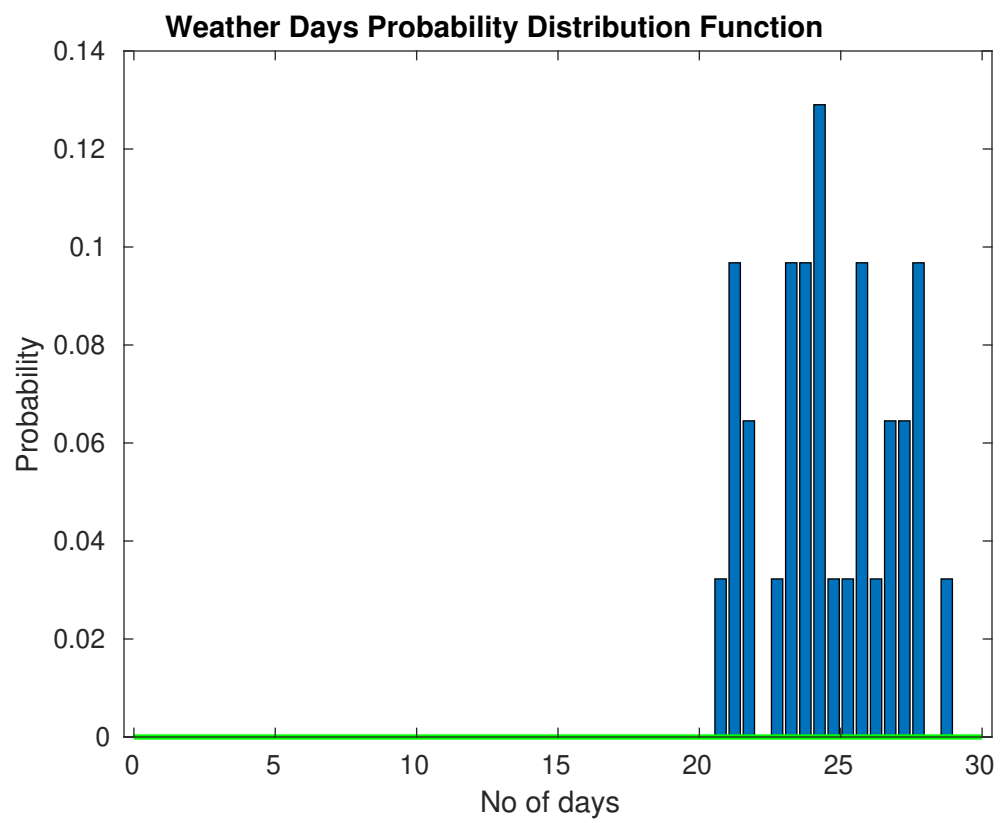
Mean Speed: 0.01-0.25 kts
The currents will occasionally reach 0.75-1.00 kts, but rarely greater.
Principle Direction, to: NW

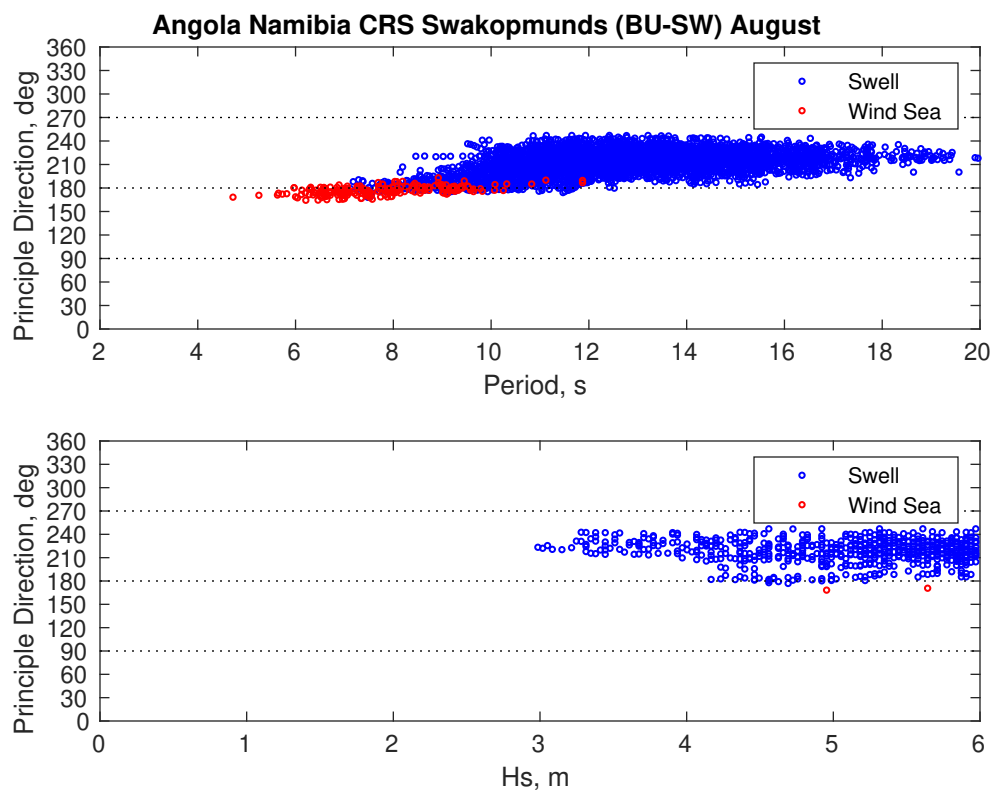
Weather Days

Current Speed > 0.5 knots Mean: 2.8 days Range: 0.0 - 6.8 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

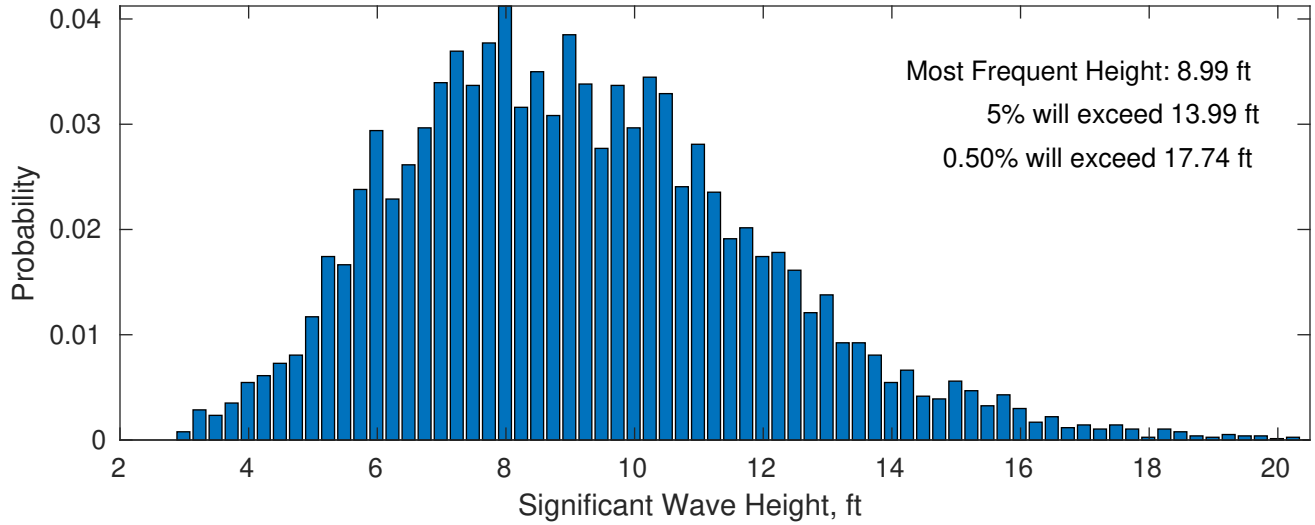
Severe Storms

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

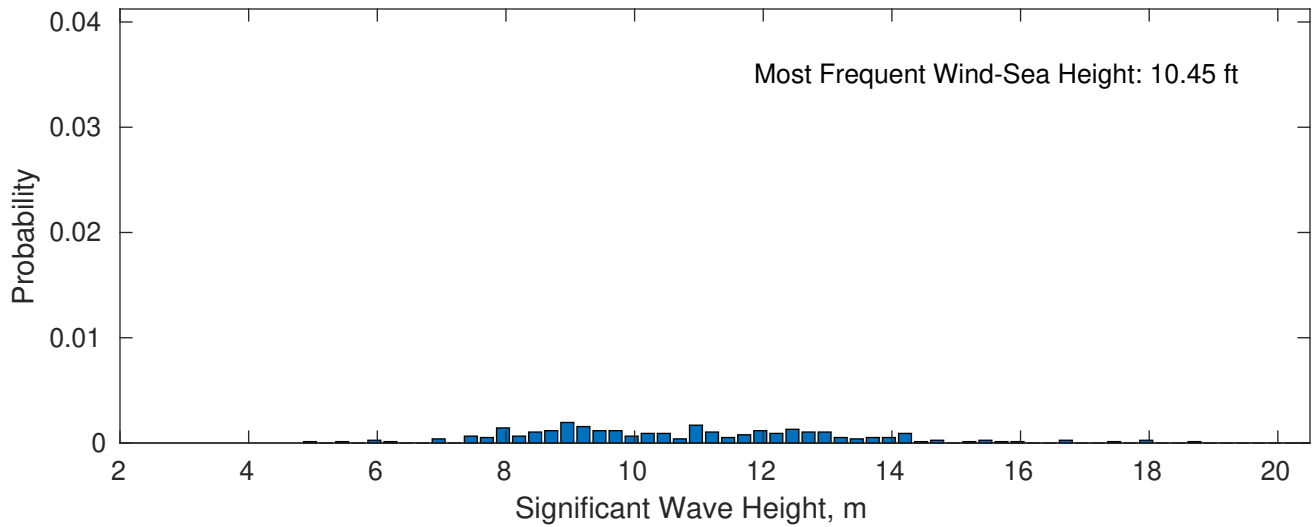




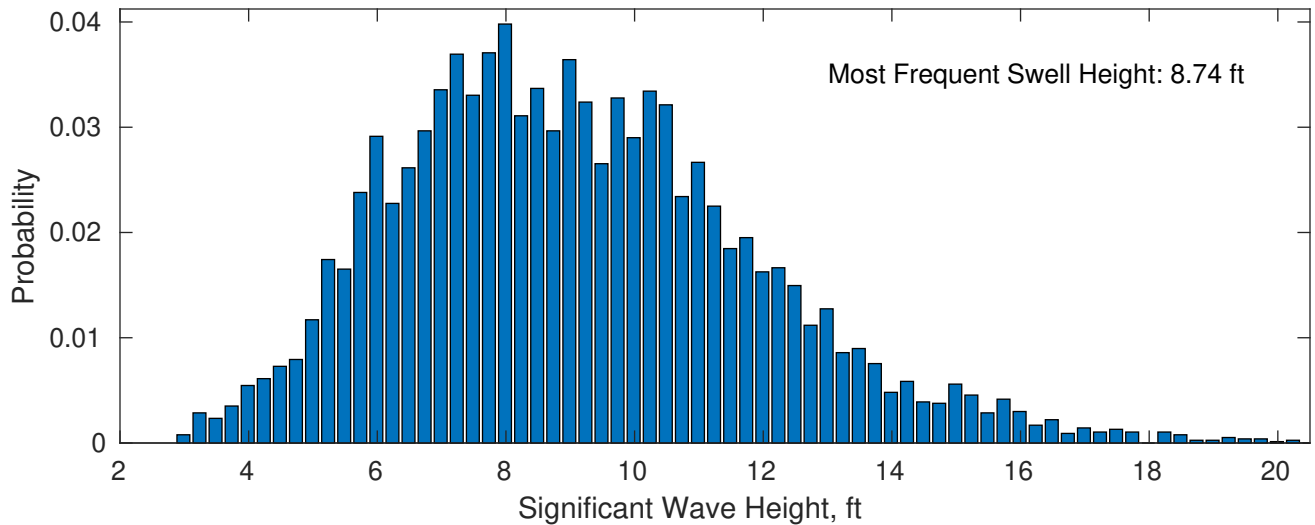
August Wave Height PDF: 1979 - 2015



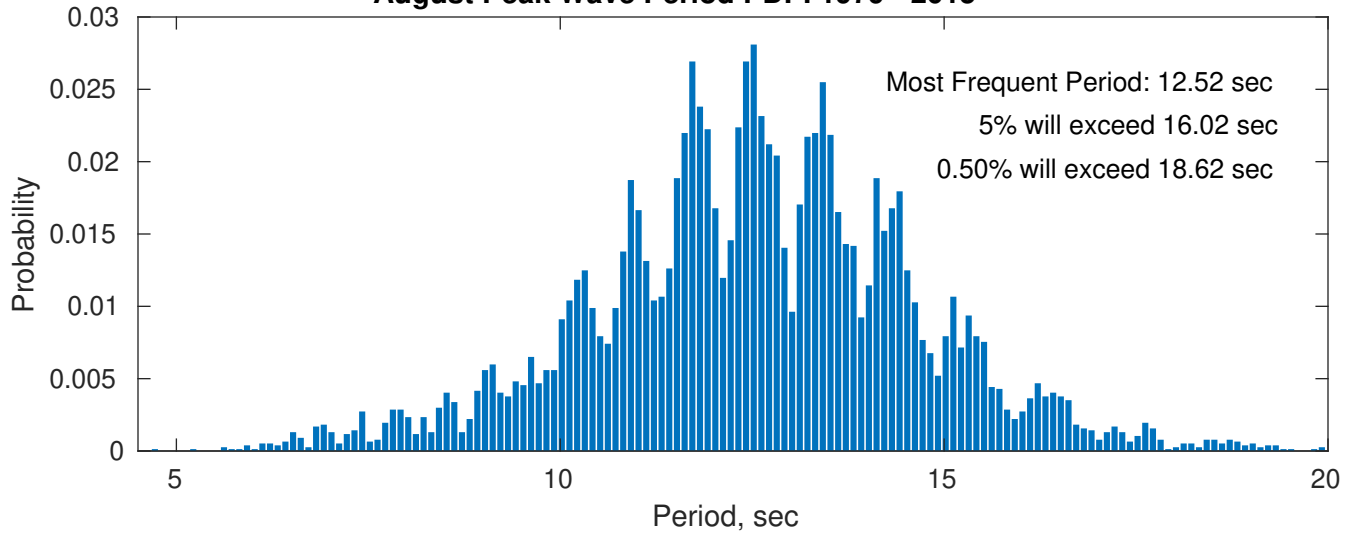
Wind-Sea: 2.94%



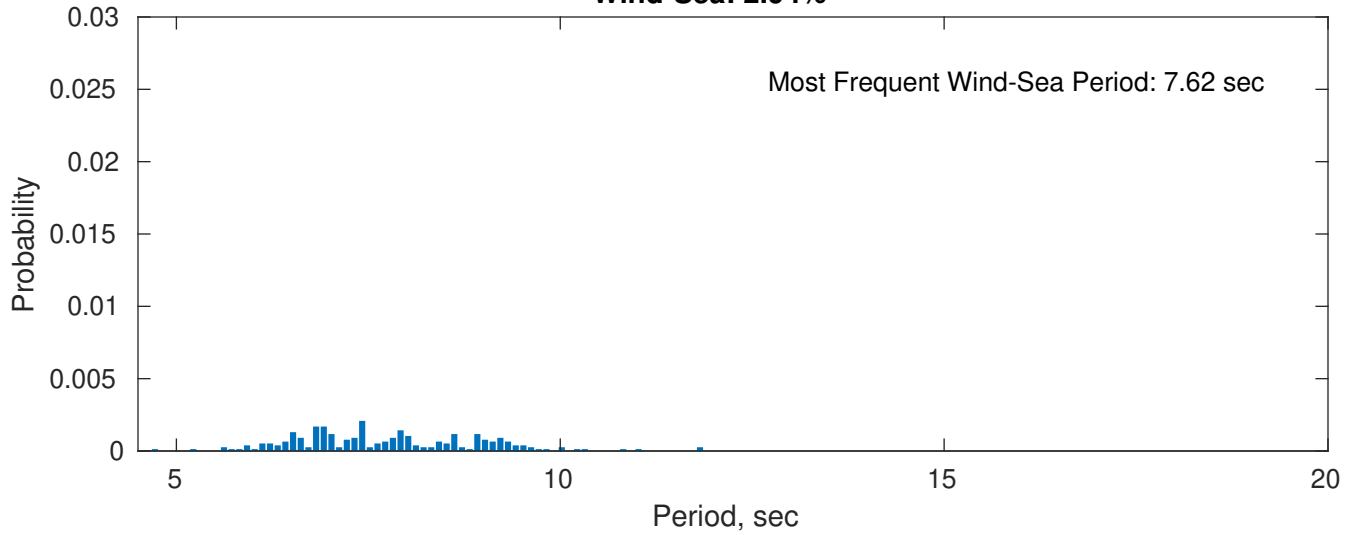
Swell: 97.06%



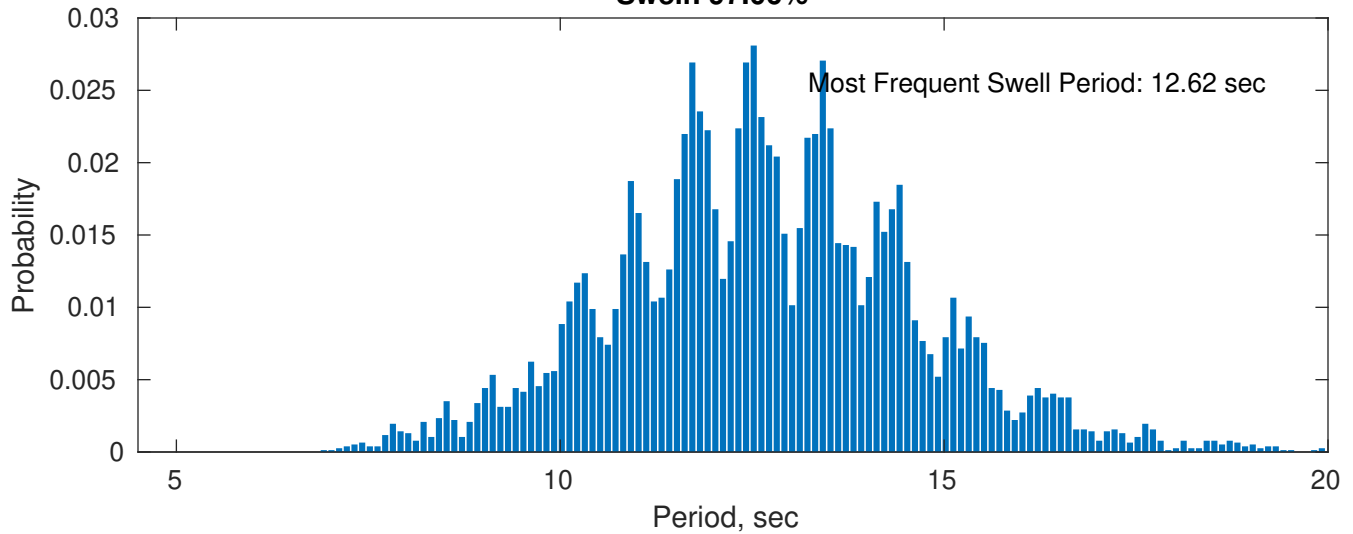
August Peak Wave Period PDF: 1979 - 2015



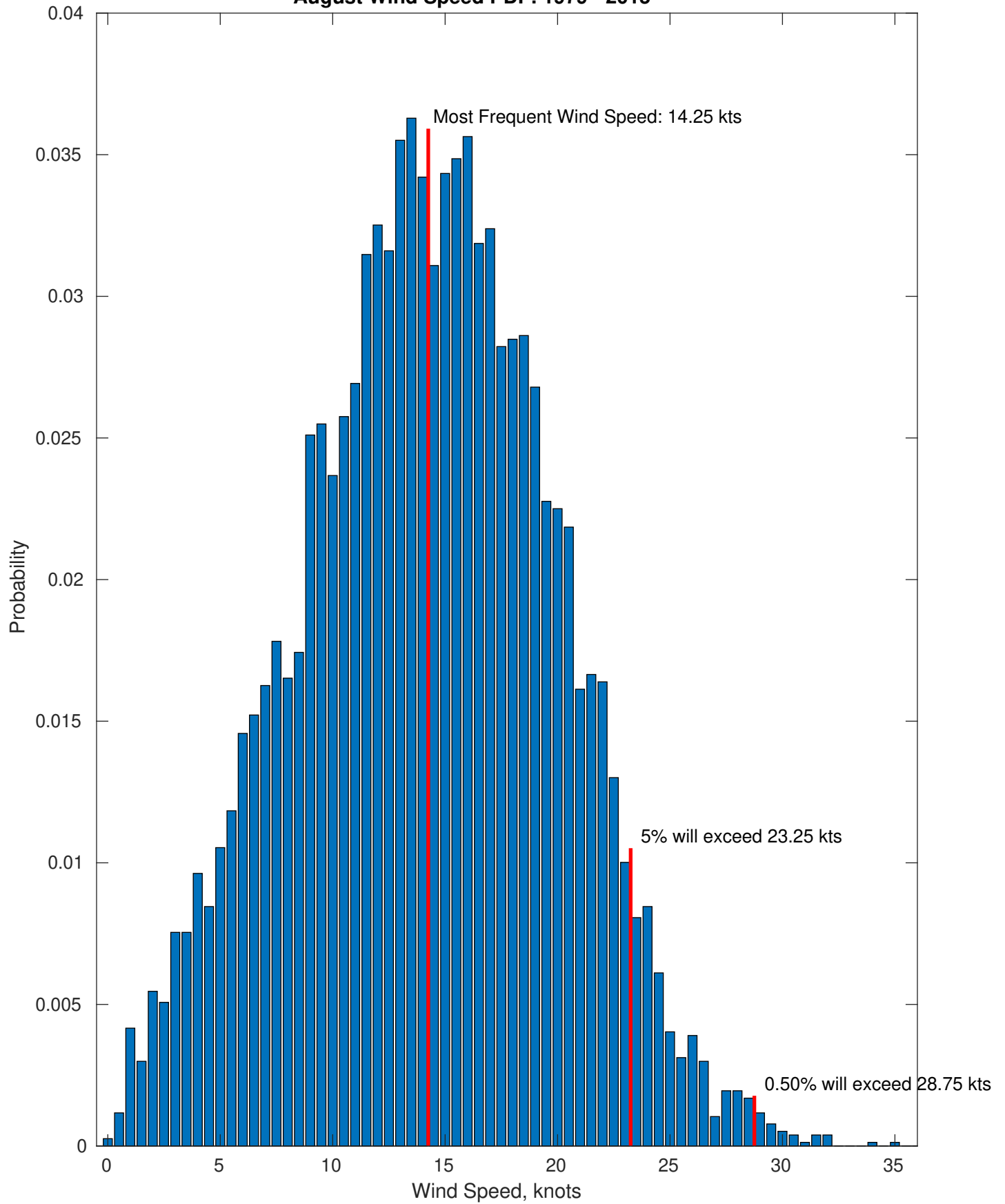
Wind-Sea: 2.94%



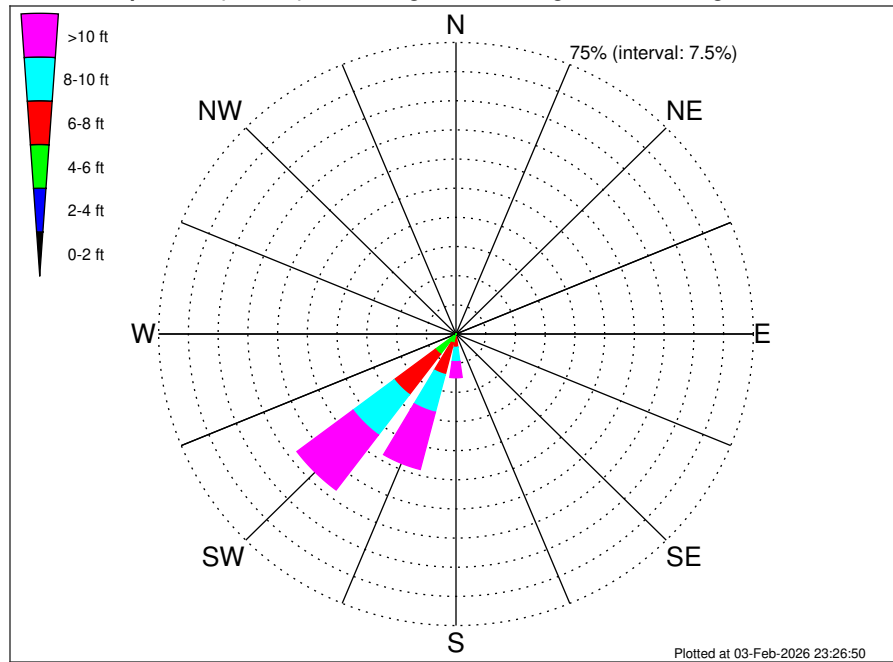
Swell: 97.06%



August Wind Speed PDF: 1979 - 2015



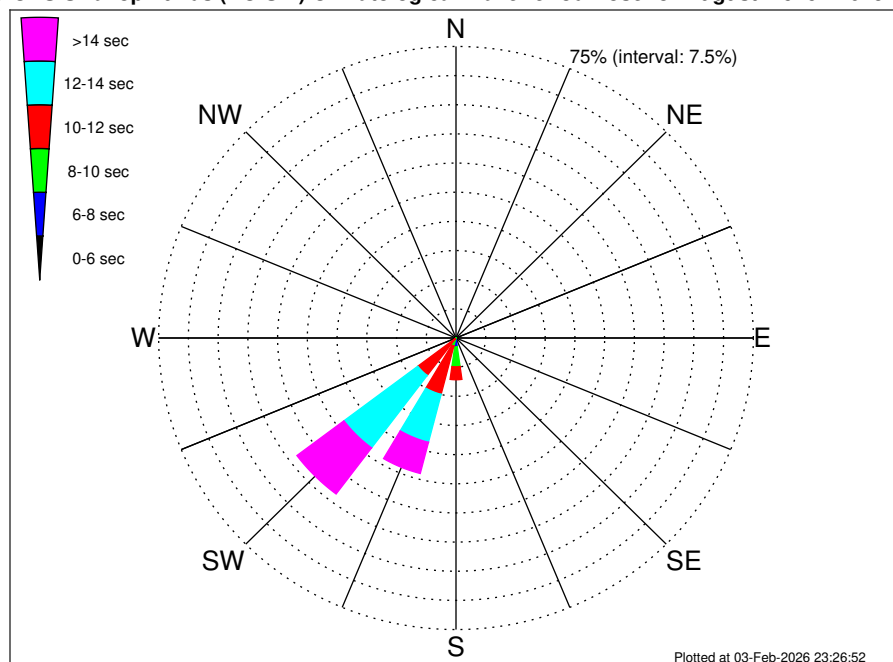
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WaveHeight Rose for August: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1 - 2 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 - 4 ft	•	•	•	•	•	•	•	•	•	0.03	0.74	0.18	•	•	•	•	0.95
4 - 6 ft	•	•	•	•	•	•	•	0.01	0.74	2.39	5.78	0.73	•	•	•	•	9.65
6 - 8 ft	•	•	•	•	•	•	•	•	2.71	8.36	13.02	0.95	•	•	•	•	25.04
8 - 10 ft	•	•	•	•	•	•	•	0.12	3.69	10.03	13.01	0.39	•	•	•	•	27.24
10 - 12 ft	•	•	•	•	•	•	•	0.07	2.15	8.90	10.08	0.01	•	•	•	•	21.20
12 - 14 ft	•	•	•	•	•	•	•	0.03	1.46	4.40	4.50	•	•	•	•	•	10.38
14 - 16 ft	•	•	•	•	•	•	•	•	0.40	1.16	2.24	•	•	•	•	•	3.80
16 - 18 ft	•	•	•	•	•	•	•	•	0.07	0.49	0.74	•	•	•	•	•	1.30
> 18 ft	•	•	•	•	•	•	•	•	0.05	0.25	0.14	•	•	•	•	•	0.44
Total	•	•	•	•	•	•	•	0.22	11.26	36.00	50.25	2.26	•	•	•	•	100.00

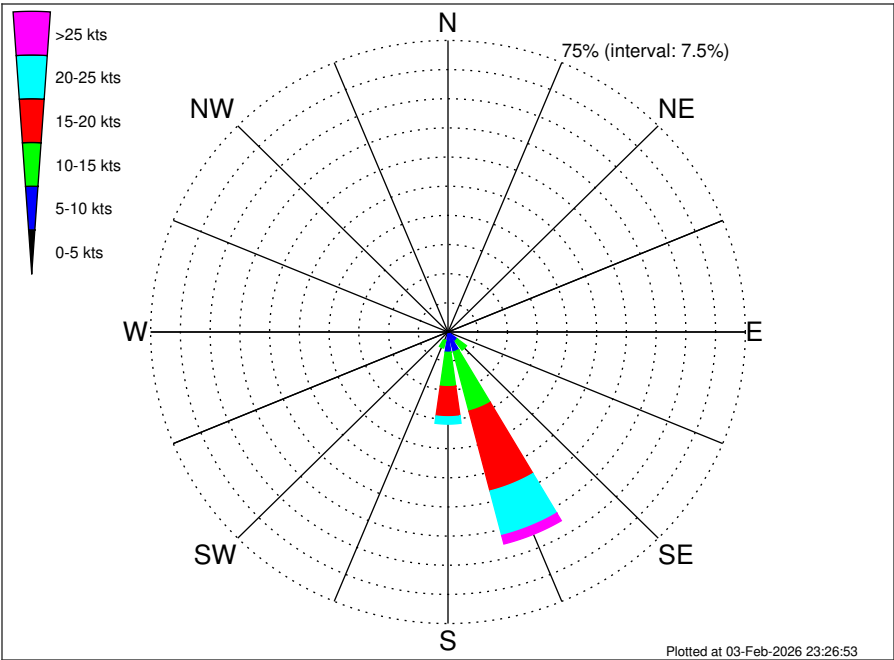
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WavePeriod Rose for August: 1979 - 2015



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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2 - 4 sec	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4 - 6 sec	.	.	.	.	.	.	.	0.03	0.09	.	.	.	.	.	.	.	0.12
6 - 8 sec	.	.	.	.	.	.	.	0.20	2.20	.	.	.	.	.	.	.	2.39
8 - 10 sec	.	.	.	.	.	.	.	.	5.12	2.11	0.30	0.04	.	.	.	.	7.57
10 - 12 sec	.	.	.	.	.	.	.	.	3.33	12.86	11.76	0.70	.	.	.	.	28.66
12 - 14 sec	.	.	.	.	.	.	.	.	0.25	12.75	23.34	1.01	.	.	.	.	37.34
14 - 16 sec	.	.	.	.	.	.	.	.	0.27	6.75	11.34	0.43	.	.	.	.	18.80
18 - 20 sec	.	.	.	.	.	.	.	.	.	1.48	2.71	0.08	.	.	.	.	4.27
22 - 24 sec	.	.	.	.	.	.	.	.	.	0.05	0.81	.	.	.	.	.	0.86
Total	.	.	.	.	.	.	.	0.22	11.26	36.00	50.25	2.26	.	.	.	.	100.00

Angola Namibia CRS Swakopmunds (BU-SW) 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	0.01	0.01	•	0.03	•	•	0.01	•	0.01	0.03	0.01	•	0.01	0.01	•	•	0.14
0 - 5 kts	0.20	0.22	0.25	0.23	0.33	0.39	0.74	0.64	0.56	0.44	0.29	0.31	0.10	0.14	0.17	0.08	5.09
5 - 10 kts	0.08	0.16	0.22	0.38	0.36	0.85	2.19	4.66	4.66	1.83	0.60	0.47	0.17	0.14	0.18	0.14	17.08
10 - 15 kts	0.04	0.07	0.10	0.18	0.26	0.30	2.91	15.73	8.84	1.98	0.38	0.05	•	0.03	0.01	0.03	30.91
15 - 20 kts	•	0.01	0.01	•	0.01	0.09	0.91	21.24	7.74	0.35	0.03	•	•	•	•	•	30.40
20 - 25 kts	•	•	•	•	•	•	0.21	11.82	1.89	•	•	•	•	•	•	•	13.92
25 - 30 kts	•	•	•	•	•	•	0.04	2.07	0.16	•	•	•	•	•	•	•	2.26
30 - 35 kts	•	•	•	•	•	•	•	0.17	0.03	•	•	•	•	•	•	•	0.20
35 - 40 kts	•	•	•	•	•	•	•	0.01	•	•	•	•	•	•	•	•	0.01
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.33	0.47	0.59	0.82	0.96	1.63	7.01	56.33	23.88	4.63	1.30	0.83	0.29	0.33	0.36	0.25	100.00