

Angola Namibia CRS Swakopmunds (BU-SW) - September

Latitude: 22.64 S Longitude: 13.12 E

Weather Days

Wave Height > 5.0 ft Mean: 25.4 days Range: 22.9 - 27.8 days p50:25.5 days p75:23 days p90:22.5 days
Wave Height > 6.5 ft Mean: 19.3 days Range: 15.8 - 22.8 days p50:19.5 days p75:17 days p90:15 days
Wave Height > 8.0 ft Mean: 13.4 days Range: 9.4 - 17.4 days p50:13.5 days p75:10 days p90:9 days

Wind Speed > 15.0 knots Mean: 15.2 days Range: 11.9 - 18.6 days p50:16.5 days p75:12.5 days p90:10.5 days
Wind Speed > 20.0 knots Mean: 5.6 days Range: 3.0 - 8.2 days p50:6 days p75:4 days p90:3 days
Wind Speed > 25.0 knots Mean: 0.9 days Range: 0.1 - 1.8 days p50:1 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 0.6 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 0.1 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 1.7 times per month A 2 day or longer window will statistically occur 0.9 times per month A 3 day or longer window will statistically occur 0.4 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 3.1 times per month A 2 day or longer window will statistically occur 2.0 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 18 - 20 sec, but rarely longer.
Principle Direction, from: SW
WindSea/Swell: 5% / 95%

Winds

Mean Speed: 15 - 20 kts
The winds will occasionally reach 25 - 30 kts, but rarely greater.
Principle Direction, from: SSE

Currents

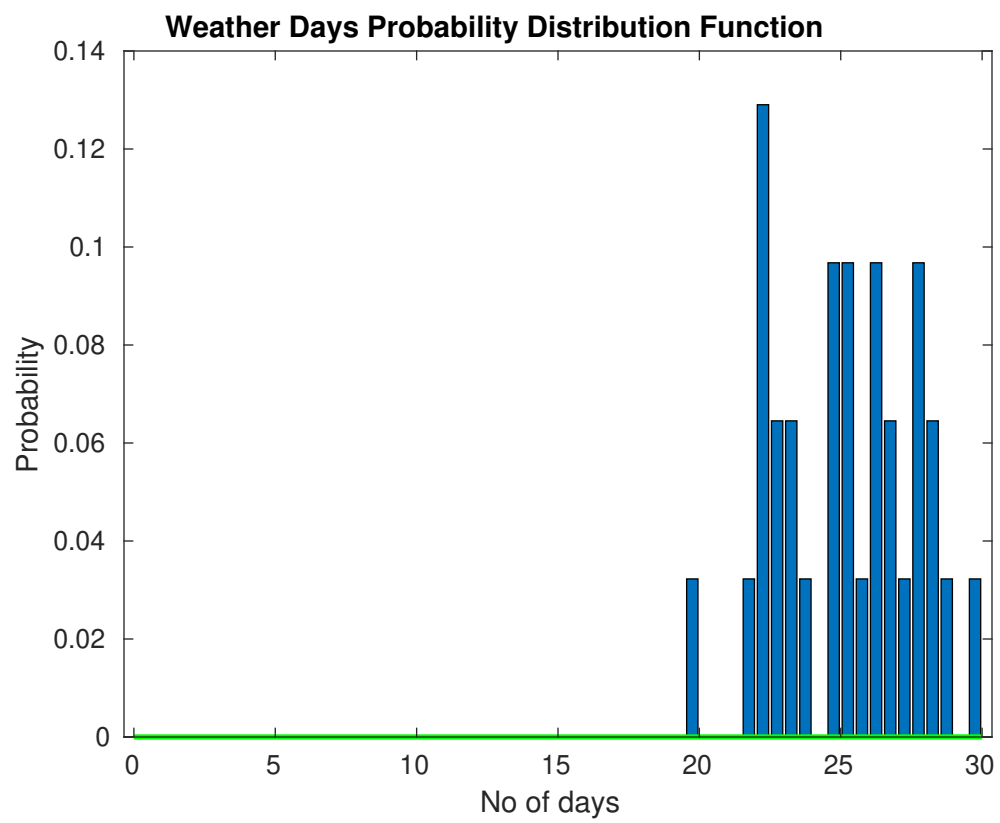
Mean Speed: 0.01-0.25 kts
The currents will occasionally reach 0.50-0.75 kts, but rarely greater.
Principle Direction, to: NW

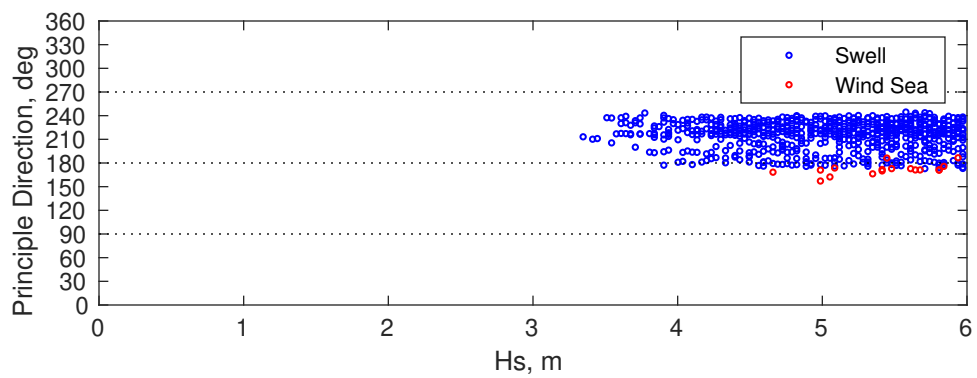
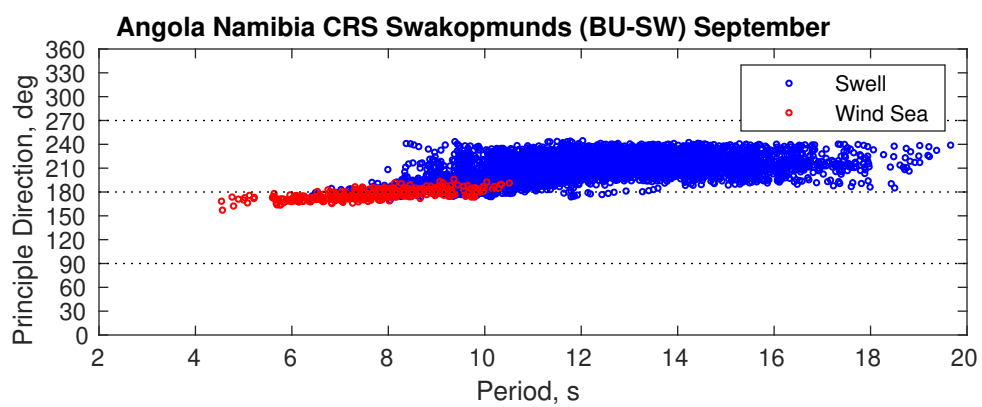
Weather Days

Current Speed > 0.5 knots Mean: 2.6 days Range: 0.0 - 5.7 days p50:3 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

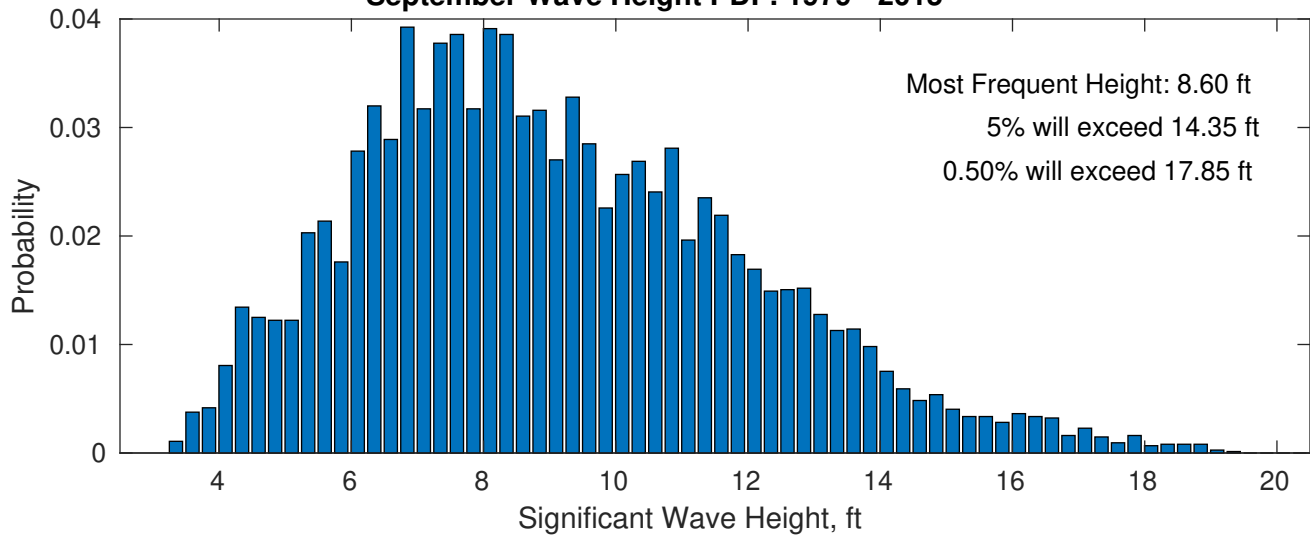
Severe Storms

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

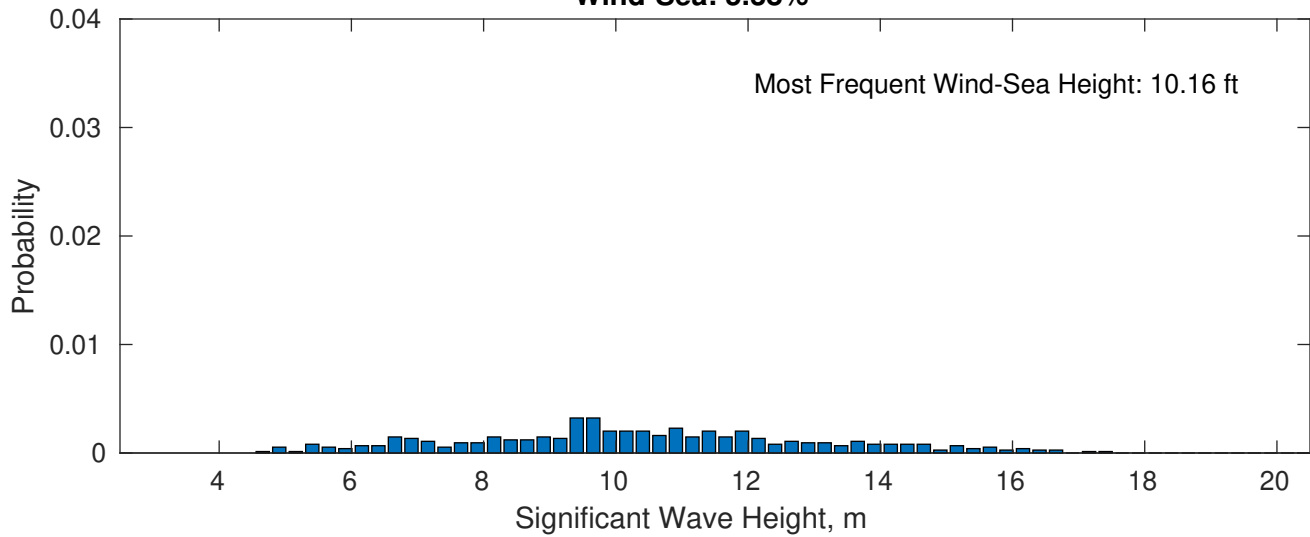




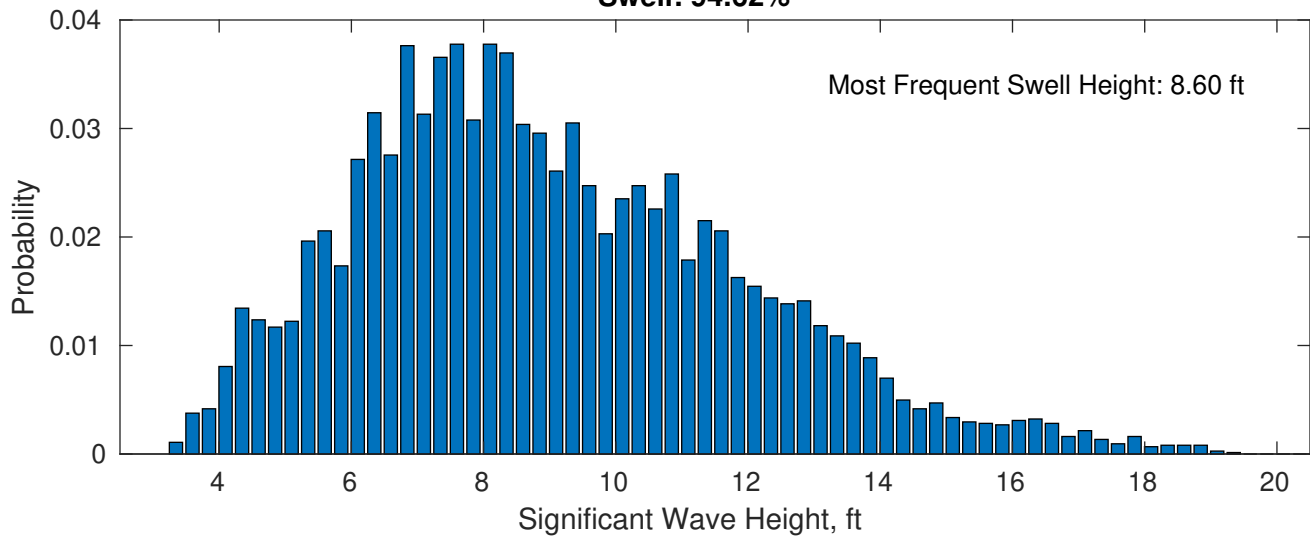
September Wave Height PDF: 1979 - 2015



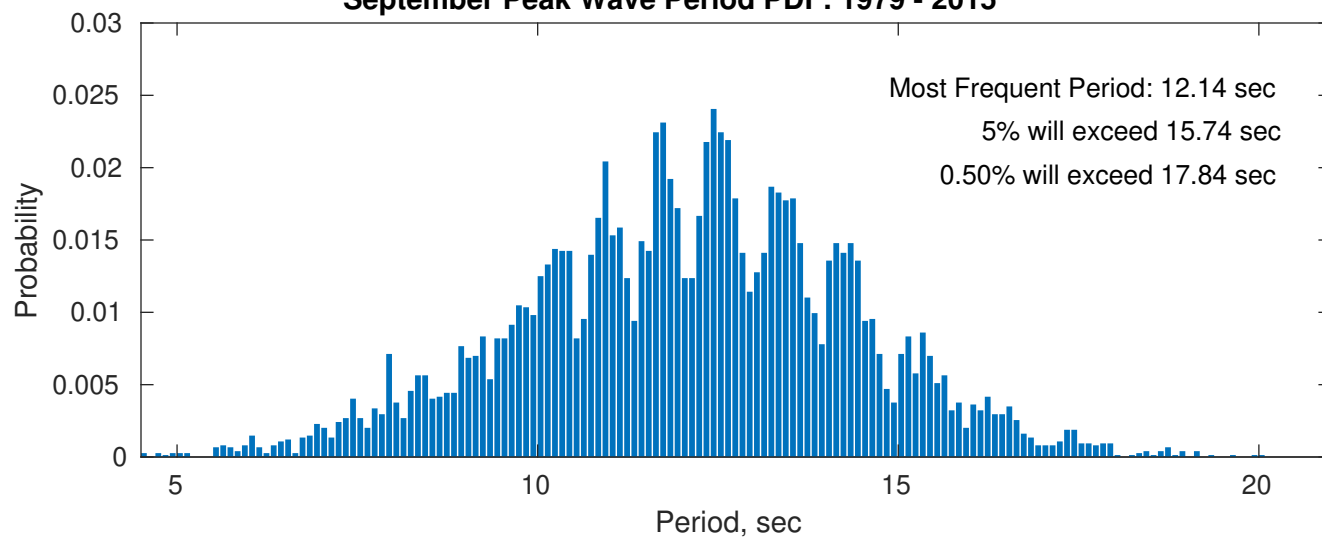
Wind-Sea: 5.38%



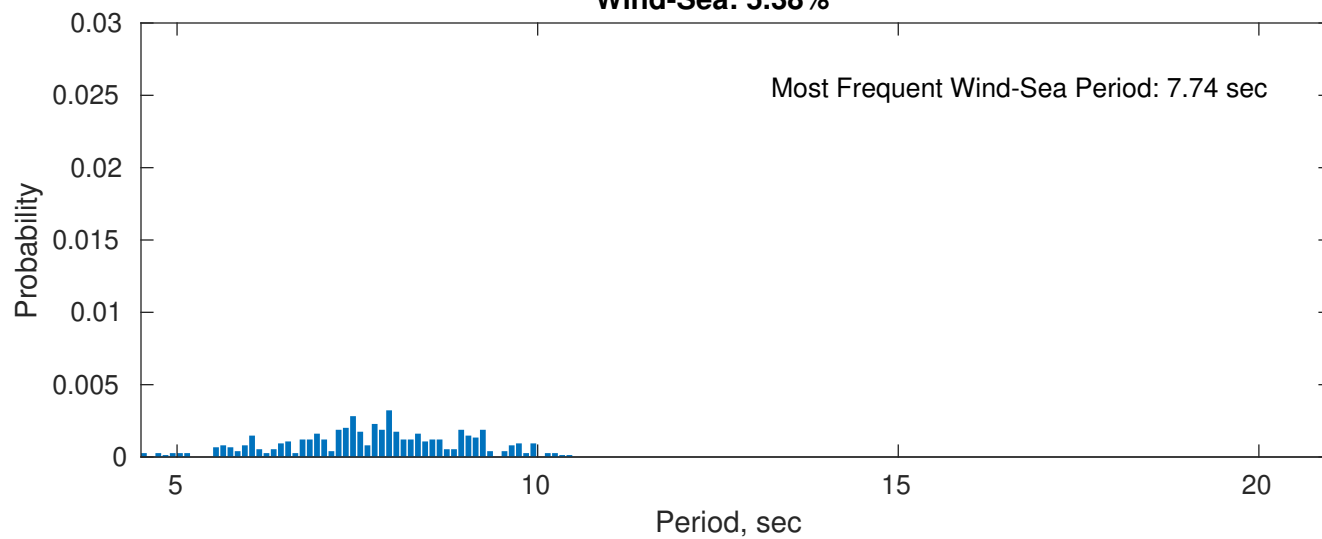
Swell: 94.62%



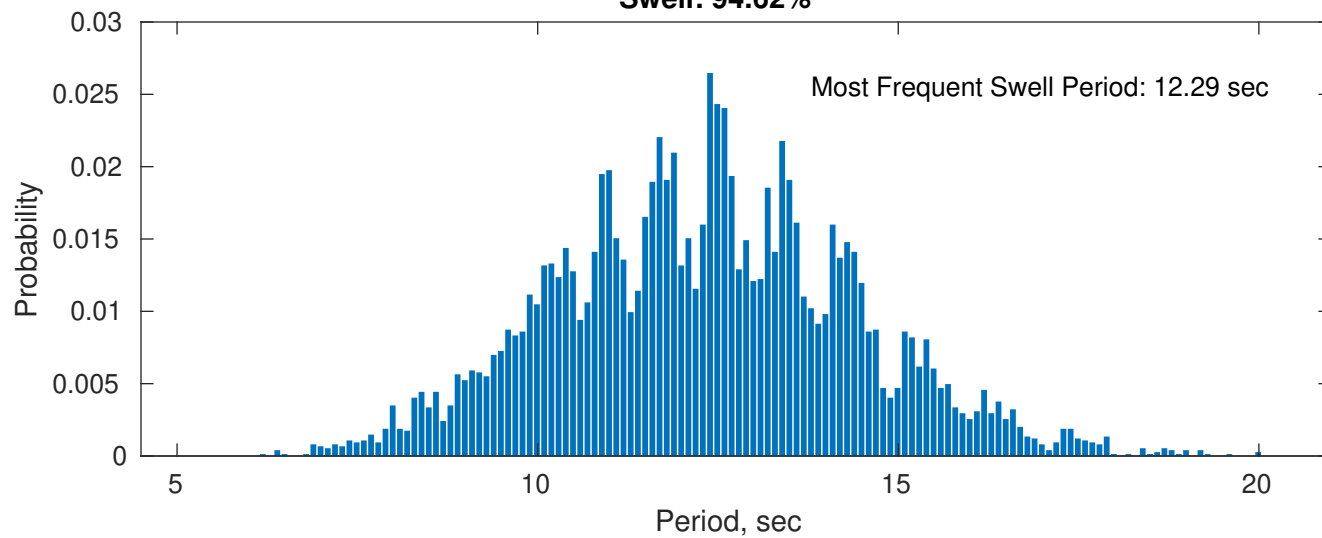
September Peak Wave Period PDF: 1979 - 2015



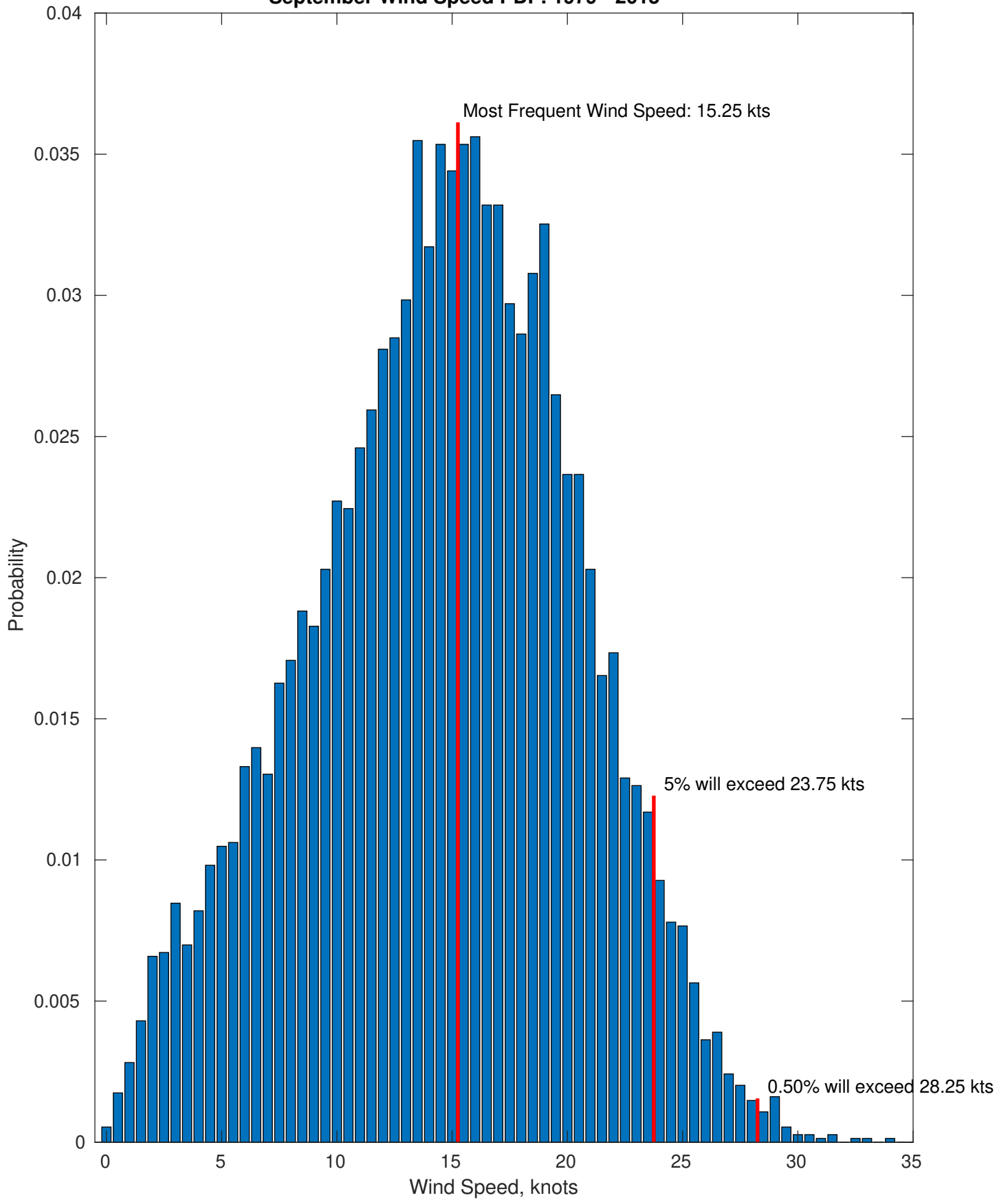
Wind-Sea: 5.38%



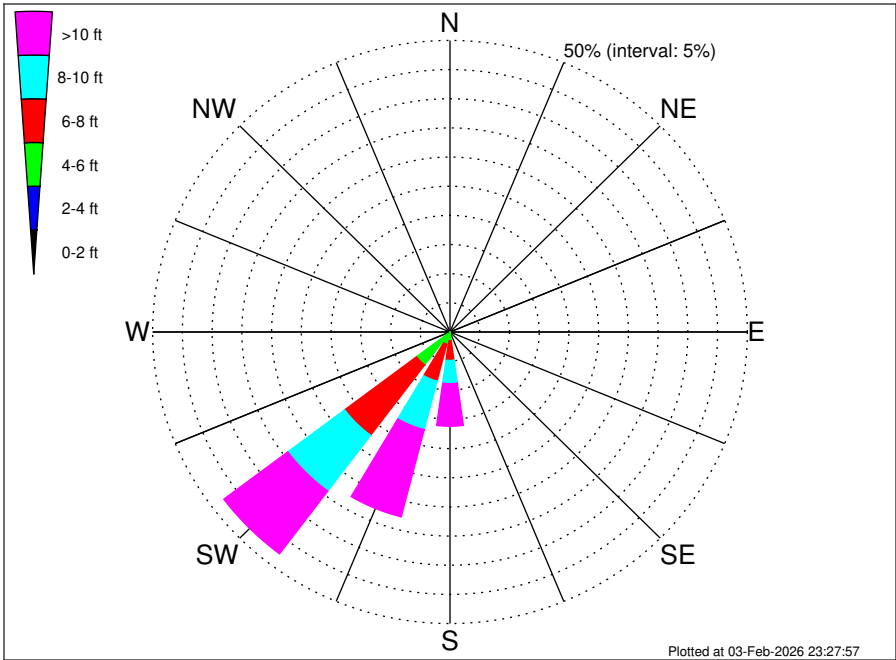
Swell: 94.62%



September Wind Speed PDF: 1979 - 2015



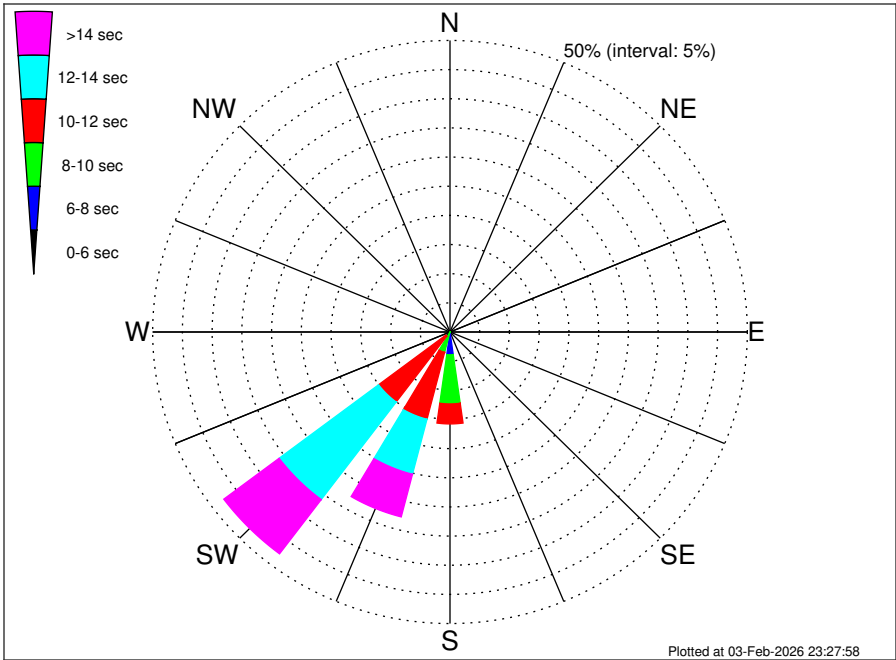
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WaveHeight Rose for September: 1979 - 2015



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	.	.	.	.	.	.	.	.	0.01	0.17	0.40	0.12	.	.	.	.	0.71
4 - 6 ft	.	.	.	.	.	.	.	0.05	1.51	2.00	6.67	0.89	.	.	.	.	11.12
6 - 8 ft	.	.	.	.	.	.	.	0.17	3.36	6.52	15.12	1.17	.	.	.	.	26.34
8 - 10 ft	.	.	.	.	.	.	.	0.11	3.99	8.60	11.98	0.82	.	.	.	.	25.50
10 - 12 ft	.	.	.	.	.	.	.	0.04	3.41	7.27	8.05	0.07	.	.	.	.	18.84
12 - 14 ft	.	.	.	.	.	.	.	.	2.28	5.16	3.70	.	.	.	.	.	11.14
14 - 16 ft	.	.	.	.	.	.	.	.	1.32	1.56	1.13	.	.	.	.	.	4.01
16 - 18 ft	.	.	.	.	.	.	.	.	0.28	1.13	0.54	.	.	.	.	.	1.95
> 18 ft	.	.	.	.	.	.	.	.	.	0.34	0.05	.	.	.	.	.	0.39
Total	.	.	.	.	.	.	.	0.38	16.17	32.76	47.63	3.06	.	.	.	.	100.00

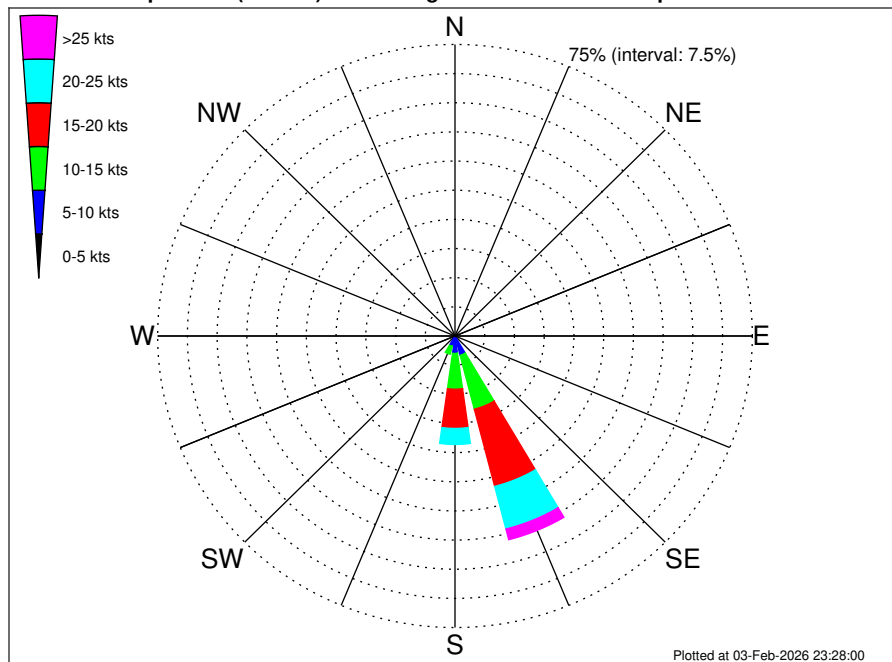
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WavePeriod Rose for September: 1979 - 2015



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	.	.	.	.	.	.	.	0.17	0.28	.	.	.	.	.	.	.	0.46
6 - 8 sec	.	.	.	.	.	.	.	0.20	3.63	0.03	.	.	.	.	.	.	3.86
8 - 10 sec	.	.	.	.	.	.	.	.	8.43	3.58	0.90	0.16	.	.	.	.	13.06
10 - 12 sec	.	.	.	.	.	.	.	.	3.43	11.85	14.14	0.51	.	.	.	.	29.93
12 - 14 sec	.	.	.	.	.	.	.	.	0.19	9.74	20.94	1.24	.	.	.	.	32.11
14 - 16 sec	.	.	.	.	.	.	.	.	0.11	5.97	9.54	0.79	.	.	.	.	16.41
18 - 20 sec	.	.	.	.	.	.	.	.	0.08	1.52	1.90	0.31	.	.	.	.	3.80
22 - 24 sec	.	.	.	.	.	.	.	.	0.03	0.07	0.22	0.05	.	.	.	.	0.36
Total	.	.	.	.	.	.	.	0.38	16.17	32.76	47.63	3.06	.	.	.	.	100.00

Angola Namibia CRS Swakopmunds (BU-SW) Climatological Wind Rose for September: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.03	0.01	0.01	0.03	0.01	0.01	•	•	0.01	•	•	0.04	0.03	0.01	0.01	0.01	0.23
0 - 5 kts	0.09	0.24	0.15	0.24	0.22	0.39	0.52	0.77	0.62	0.58	0.50	0.19	0.23	0.31	0.16	0.19	5.39
5 - 10 kts	0.07	0.11	0.03	0.07	0.12	0.32	1.77	4.35	3.86	2.15	0.99	0.44	0.27	0.19	0.28	0.19	15.22
10 - 15 kts	0.04	•	0.01	0.01	0.03	0.09	1.69	14.33	9.19	2.12	0.48	0.11	0.08	0.05	0.09	0.12	28.47
15 - 20 kts	•	•	•	•	0.03	0.04	0.44	20.51	10.09	0.73	0.09	0.01	•	0.01	0.01	0.01	31.99
20 - 25 kts	•	•	•	•	•	•	0.09	11.33	4.13	0.03	•	•	•	•	•	•	15.58
25 - 30 kts	•	•	•	•	•	•	0.04	2.70	0.26	•	•	•	•	•	•	•	3.00
30 - 35 kts	•	•	•	•	•	•	•	0.13	•	•	•	•	•	•	•	•	0.13
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.23	0.36	0.20	0.35	0.40	0.86	4.57	54.13	28.16	5.60	2.07	0.79	0.60	0.58	0.56	0.52	100.00