

Angola Namibia CRS Swakopmunds (BU-SW) - January

Latitude: 22.64 S Longitude: 13.12 E

Weather Days

Wave Height > 5.0 ft Mean: 23.4 days Range: 20.5 - 26.3 days p50:23.5 days p75:22 days p90:18.5 days
Wave Height > 6.5 ft Mean: 15.5 days Range: 11.1 - 19.9 days p50:15.5 days p75:13.5 days p90:9.5 days
Wave Height > 8.0 ft Mean: 7.9 days Range: 4.6 - 11.2 days p50:7.5 days p75:5.5 days p90:4 days

Wind Speed > 15.0 knots Mean: 7.2 days Range: 4.2 - 10.3 days p50:7.5 days p75:5.5 days p90:4 days
Wind Speed > 20.0 knots Mean: 0.8 days Range: 0.0 - 1.6 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 0.5 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 0.2 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 2.5 times per month A 2 day or longer window will statistically occur 1.6 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 3.9 times per month A 2 day or longer window will statistically occur 3.1 times per month A 3 day or longer window will statistically occur 2.3 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 18 - 20 sec, but rarely longer.
Principle Direction, from: SSW
WindSea/Swell: 2% / 98%

Winds

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

Currents

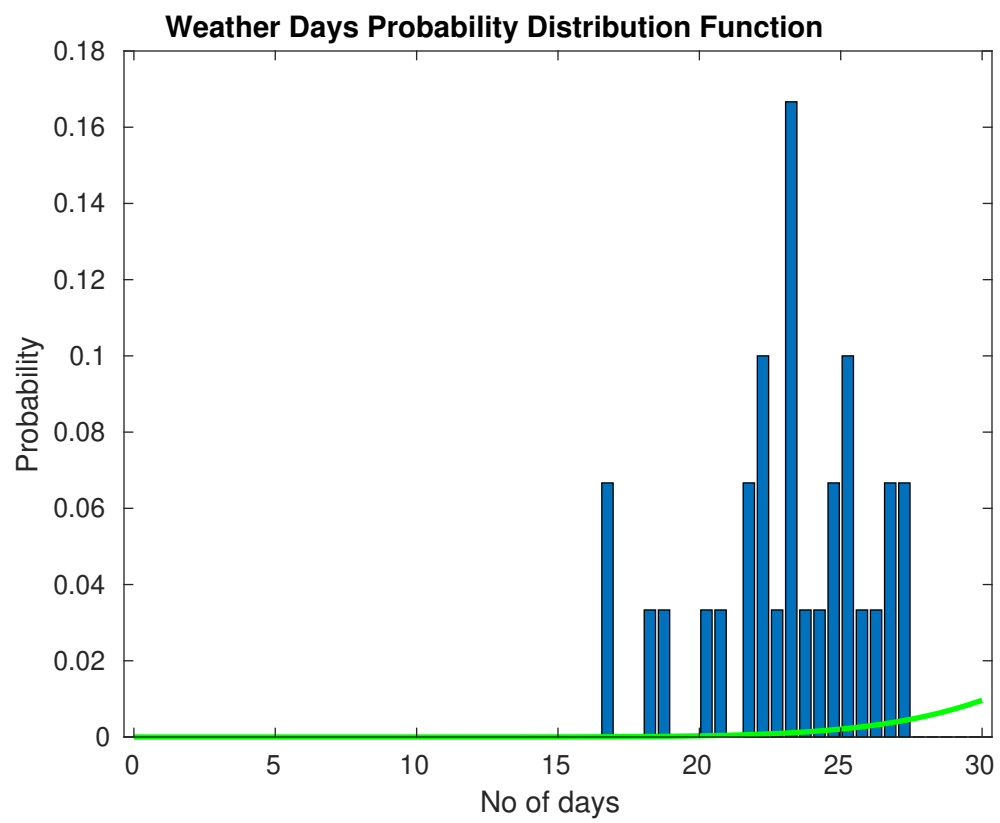
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 0.75-1.00 kts, but rarely greater.
Principle Direction, to: NW

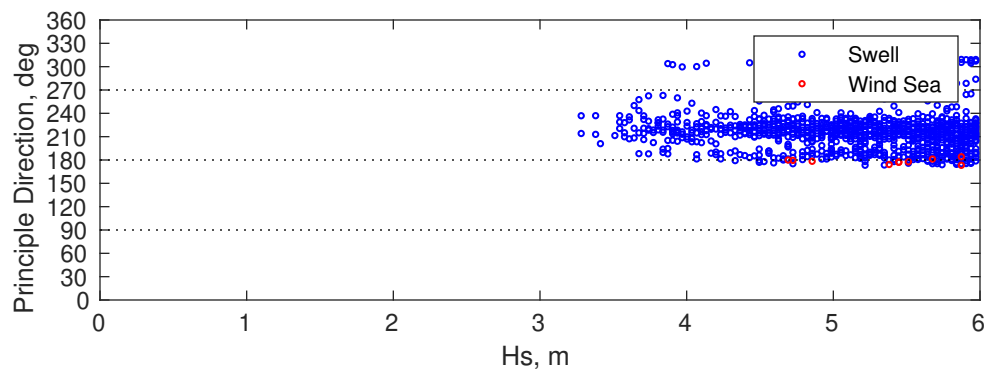
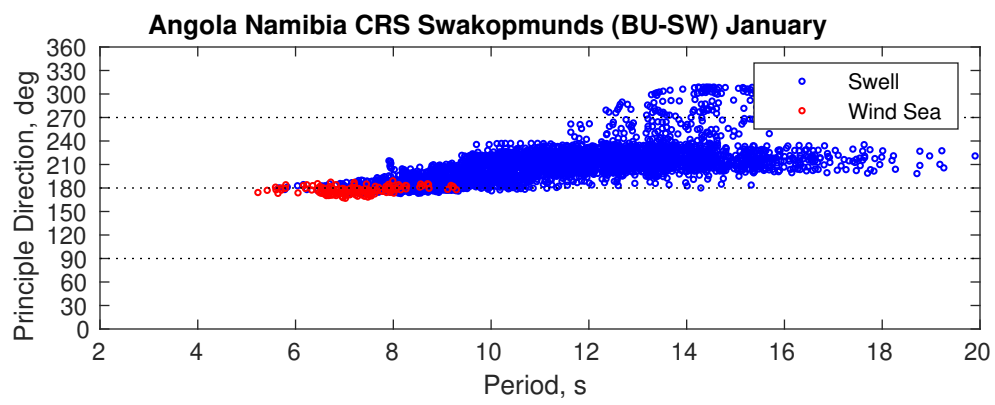
Weather Days

Current Speed > 0.5 knots Mean: 2.6 days Range: 0.0 - 5.3 days p50:3 days p75:2 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

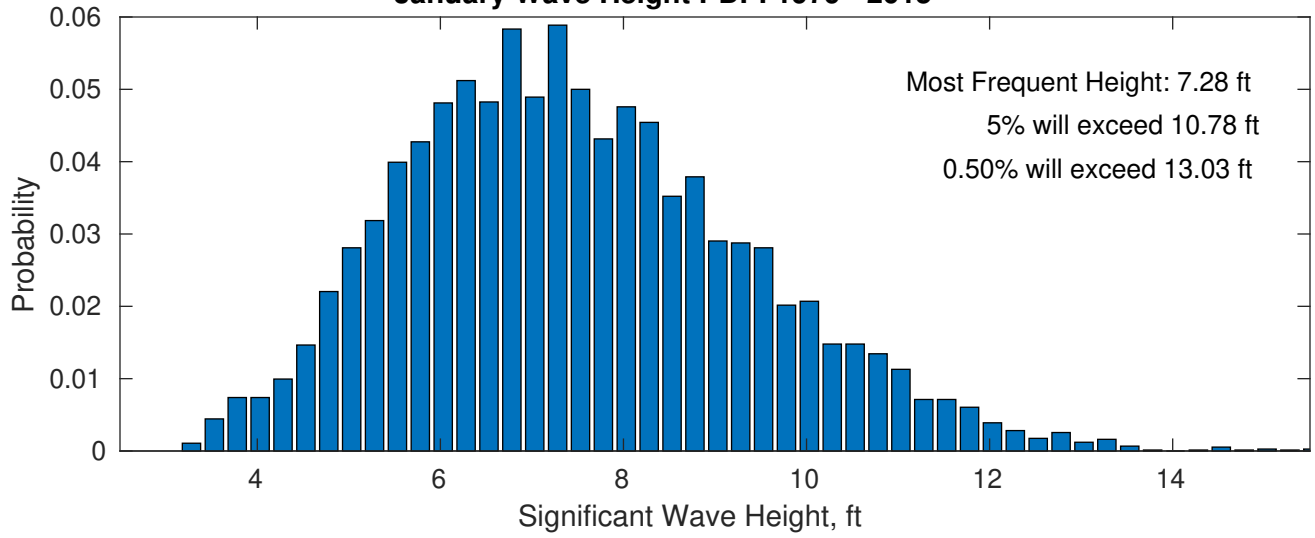
Severe Storms

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

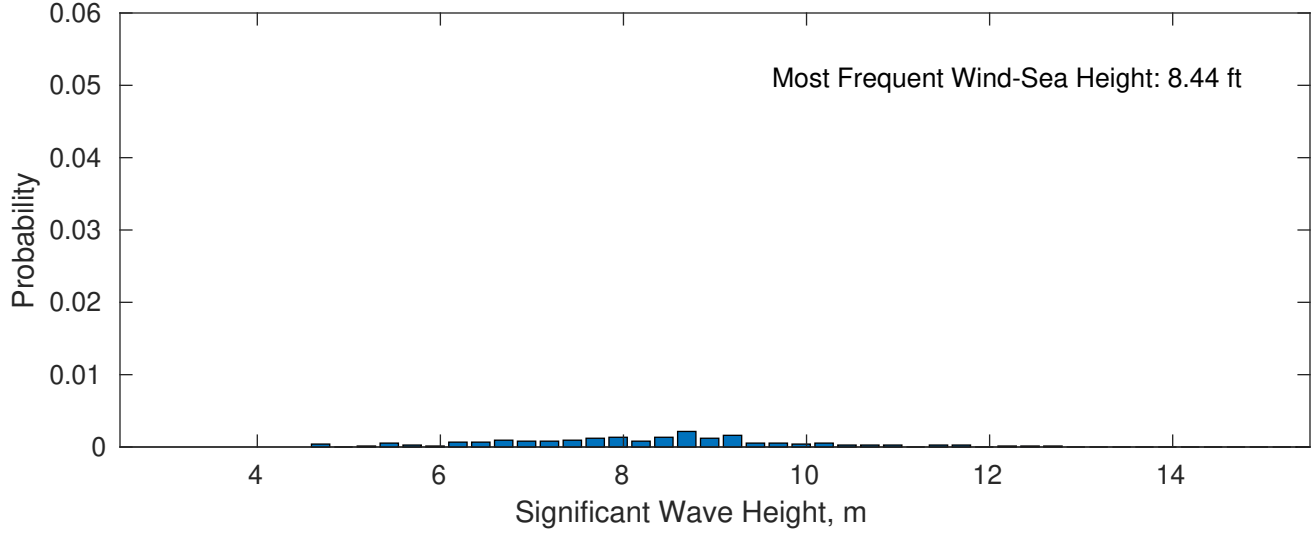




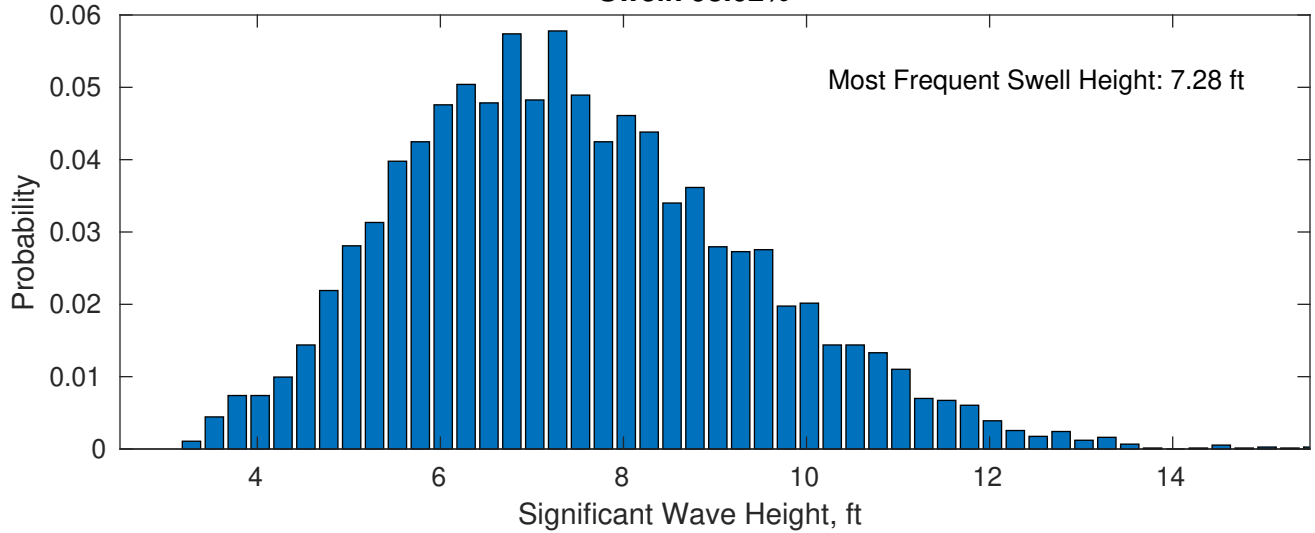
January Wave Height PDF: 1979 - 2015



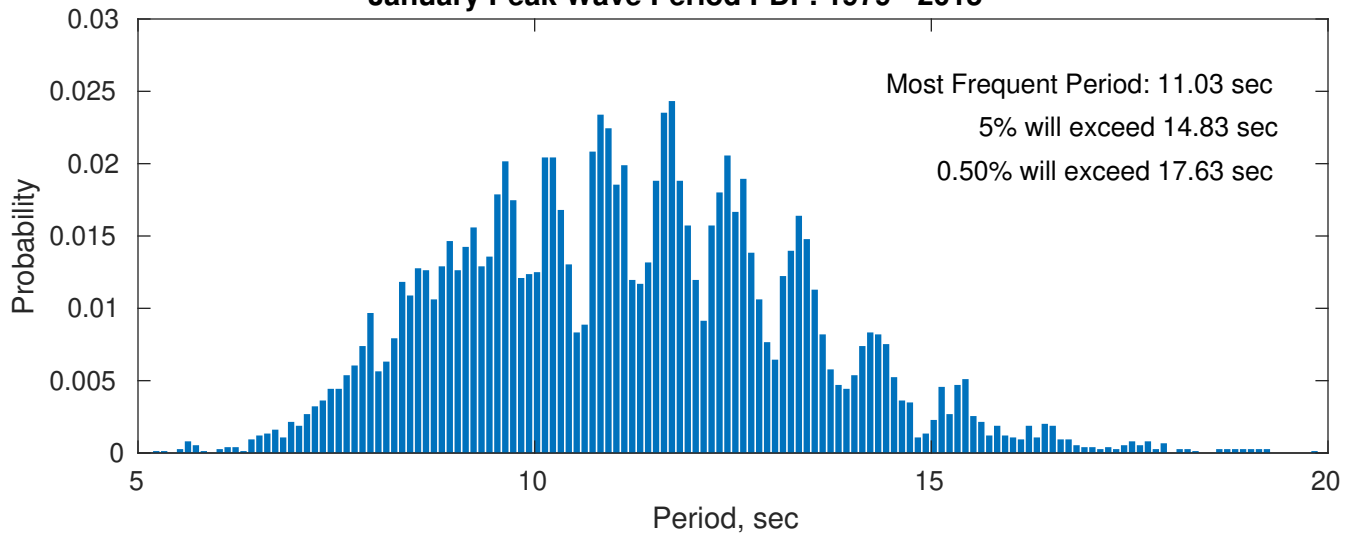
Wind-Sea: 1.98%



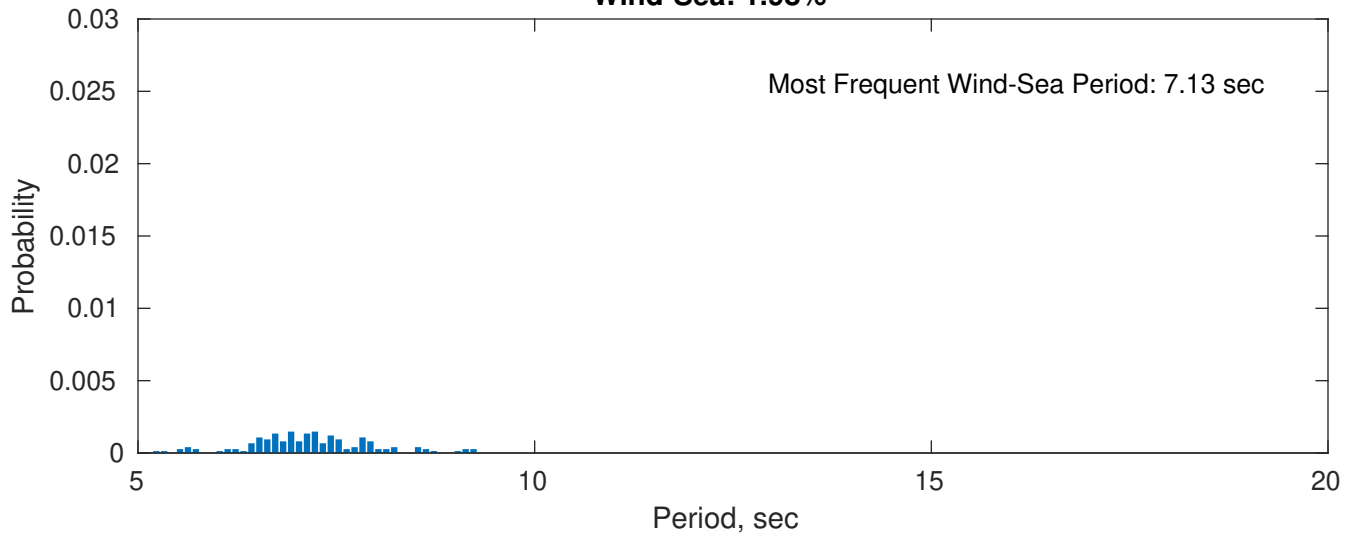
Swell: 98.02%



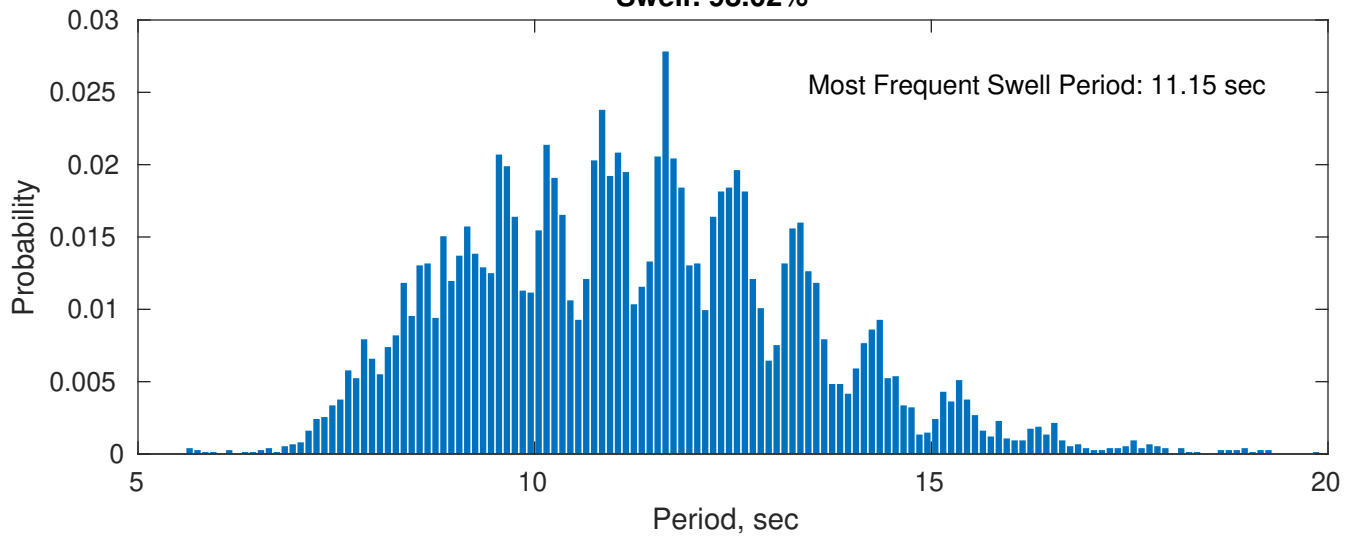
January Peak Wave Period PDF: 1979 - 2015



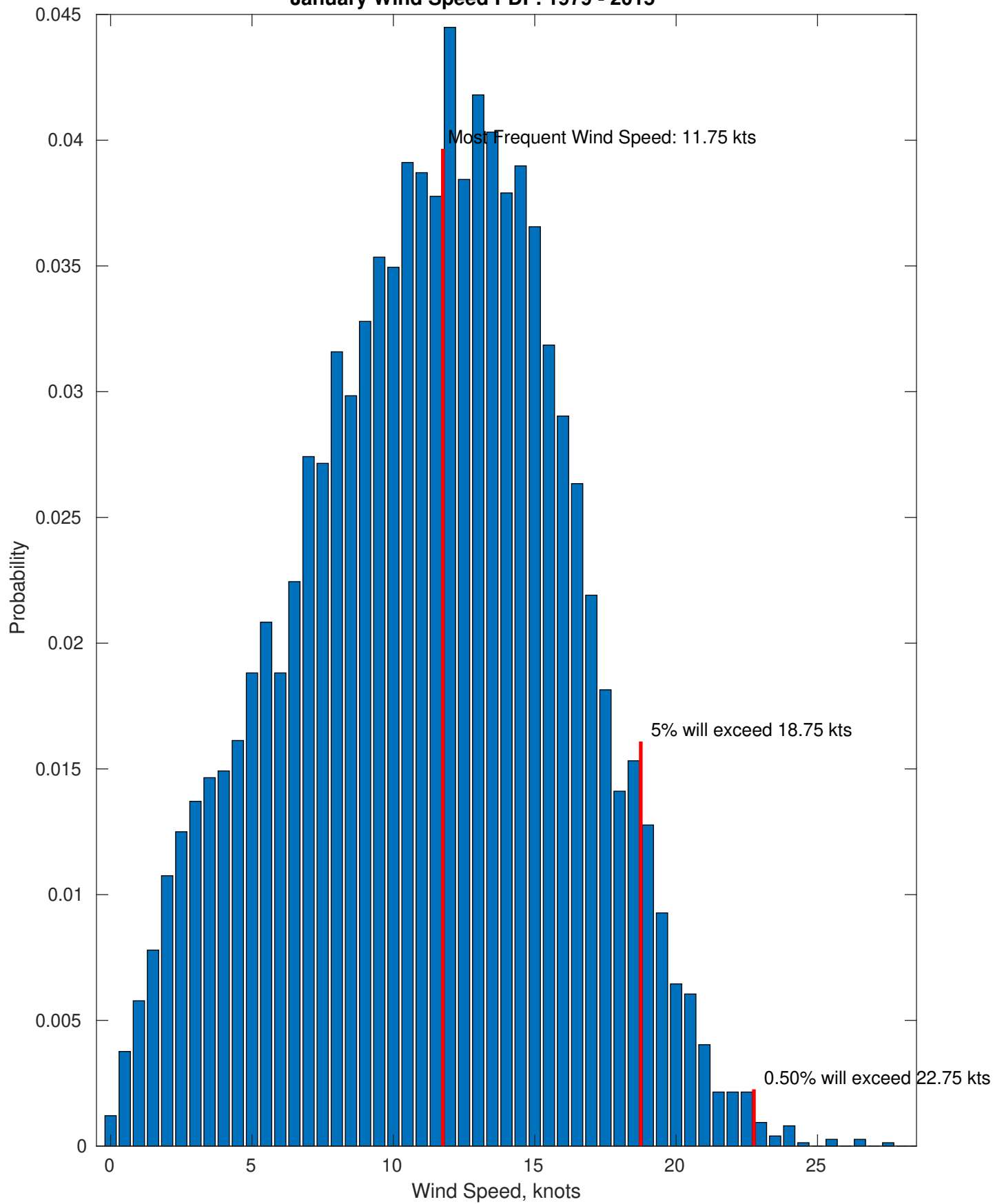
Wind-Sea: 1.98%



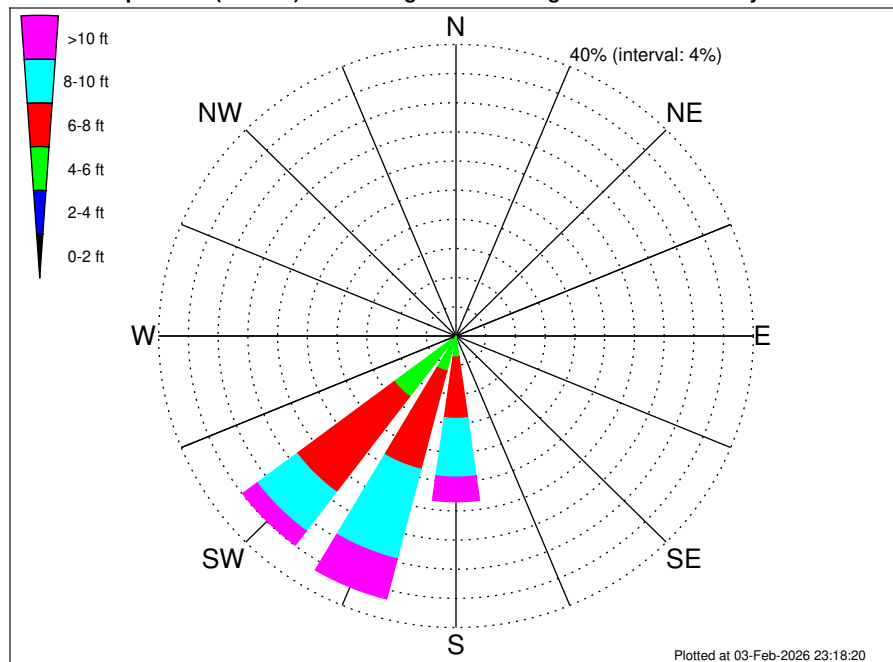
Swell: 98.02%



January Wind Speed PDF: 1979 - 2015



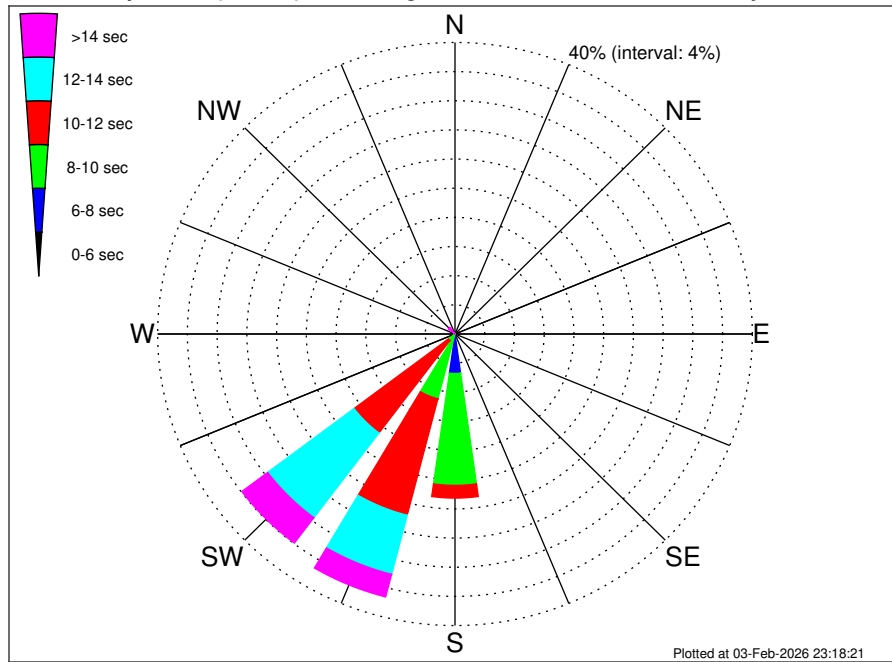
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WaveHeight Rose for January: 1979 - 2015



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	•	•	•	•	•	•	•	•	0.05	0.26	0.67	0.15	0.04	0.04	0.01	•	1.22
4 - 6 ft	•	•	•	•	•	•	•	•	2.85	4.70	9.72	0.48	0.48	0.36	0.43	•	19.03
6 - 8 ft	•	•	•	•	•	•	•	•	8.41	13.94	16.41	0.50	0.35	0.40	0.70	•	40.71
8 - 10 ft	•	•	•	•	•	•	•	0.04	8.05	12.70	6.71	0.08	0.01	•	•	•	27.59
10 - 12 ft	•	•	•	•	•	•	•	•	2.82	4.84	2.04	•	•	•	•	•	9.70
12 - 14 ft	•	•	•	•	•	•	•	•	0.55	0.82	0.22	•	•	•	•	•	1.59
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	0.15	•	•	•	•	•	0.15
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	•	•	•	•	•	•	•	0.04	22.74	37.26	35.91	1.21	0.89	0.81	1.14	•	100.00

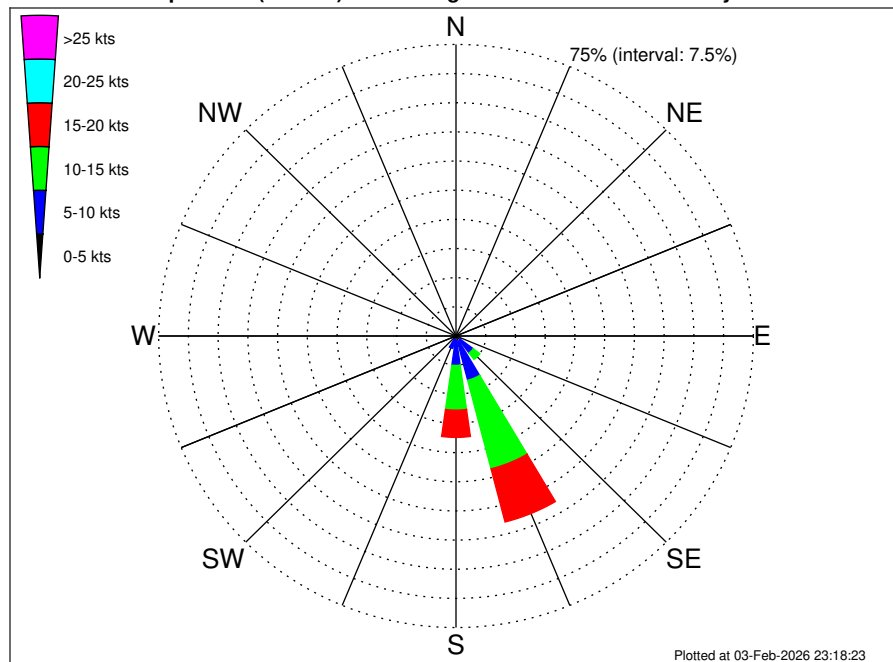
Angola Namibia CRS Swakopmunds (BU-SW) Climatological WavePeriod Rose for January: 1979 - 2015



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	•	•	•	•	•	•	•	•	0.20	•	•	•	•	•	•	•	0.20
6 - 8 sec	•	•	•	•	•	•	•	0.04	5.22	0.26	0.03	•	•	•	•	•	5.54
8 - 10 sec	•	•	•	•	•	•	•	•	15.35	8.92	1.09	•	•	•	•	•	25.36
10 - 12 sec	•	•	•	•	•	•	•	•	1.75	16.51	15.89	0.19	0.03	•	•	•	34.35
12 - 14 sec	•	•	•	•	•	•	•	•	0.16	8.37	14.56	0.65	0.43	0.26	0.03	•	24.45
14 - 16 sec	•	•	•	•	•	•	•	•	0.07	2.69	3.52	0.38	0.42	0.46	0.59	•	8.12
18 - 20 sec	•	•	•	•	•	•	•	•	•	0.44	0.74	•	0.01	0.09	0.38	•	1.67
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.07	0.09	•	•	•	0.15	•	0.31
Total	•	•	•	•	•	•	•	0.04	22.74	37.26	35.91	1.21	0.89	0.81	1.14	•	100.00

Angola Namibia CRS Swakopmunds (BU-SW) Climatological Wind Rose for January: 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	0.03	0.03	0.04	0.05	0.01	0.03	0.04	0.01	0.05	0.01	0.03	0.05	0.01	0.03	0.50
0 - 5 kts	0.32	0.27	0.15	0.28	0.51	0.74	1.30	1.55	1.16	0.93	0.58	0.40	0.30	0.40	0.44	0.30	9.62
5 - 10 kts	0.22	0.03	0.07	0.01	0.13	0.70	4.15	10.19	6.37	2.35	0.78	0.38	0.24	0.34	0.26	0.30	26.51
10 - 15 kts	.	0.01	.	.	.	.	2.07	23.53	11.51	1.81	0.20	0.07	0.01	.	0.01	0.01	39.25
15 - 20 kts	.	.	.	.	.	.	0.12	14.13	7.02	0.27	.	.	.	.	.	.	21.53
20 - 25 kts	.	.	.	.	.	.	.	1.79	0.74	.	.	.	.	.	.	.	2.53
25 - 30 kts	.	.	.	.	.	.	.	0.04	0.03	.	.	.	.	.	.	.	0.07
30 - 35 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35 - 40 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
40 - 45 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
45 - 50 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	0.58	0.34	0.24	0.32	0.69	1.49	7.66	51.25	26.85	5.38	1.61	0.86	0.58	0.79	0.73	0.63	100.00