

Angola Namibia CRS Luanda (BU-LU) - September

Latitude: 8.85 S Longitude: 12.41 E

Weather Days

Wave Height > 5.0 ft Mean: 7.5 days Range: 4.5 - 10.5 days p50:8 days p75:6.5 days p90:2.5 days

Wave Height > 6.5 ft Mean: 1.5 days Range: 0.1 - 2.9 days p50:2.5 days p75:1 days p90:0.5 days

Wave Height > 8.0 ft Mean: 0.3 days Range: 0.0 - 0.8 days p50:30 days p75:1.5 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 0.0 days Range: 0.0 - 0.1 days p50:0.5 days p75:0.5 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:0.5 days p75:0.5 days p90:0.5 days

Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.0 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 2.9 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 1.3 times per month

Wave Height < 6.5 ft
A 1 day or longer window will statistically occur 3.2 times per month
A 2 day or longer window will statistically occur 2.7 times per month
A 3 day or longer window will statistically occur 2.4 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 2.0 times per month
A 3 day or longer window will statistically occur 1.9 times per month

Waves

Mean Height: 4 - 6 ft

The wave heights will occasionally reach 10 - 12 ft, but rarely higher.

Mean Period: 12 - 14 sec

The wave periods will occasionally reach 22 - 24 sec, but rarely longer.

Principle Direction, from: SSW

WindSea/Swell: 0% / 100%

Winds

Mean Speed: 5 - 10 kts

The winds will occasionally reach 10 - 15 kts, but rarely greater.

Principle Direction, from: SW

Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 1.25-1.50 kts, but rarely greater.

Principle Direction, to: S

Weather Days

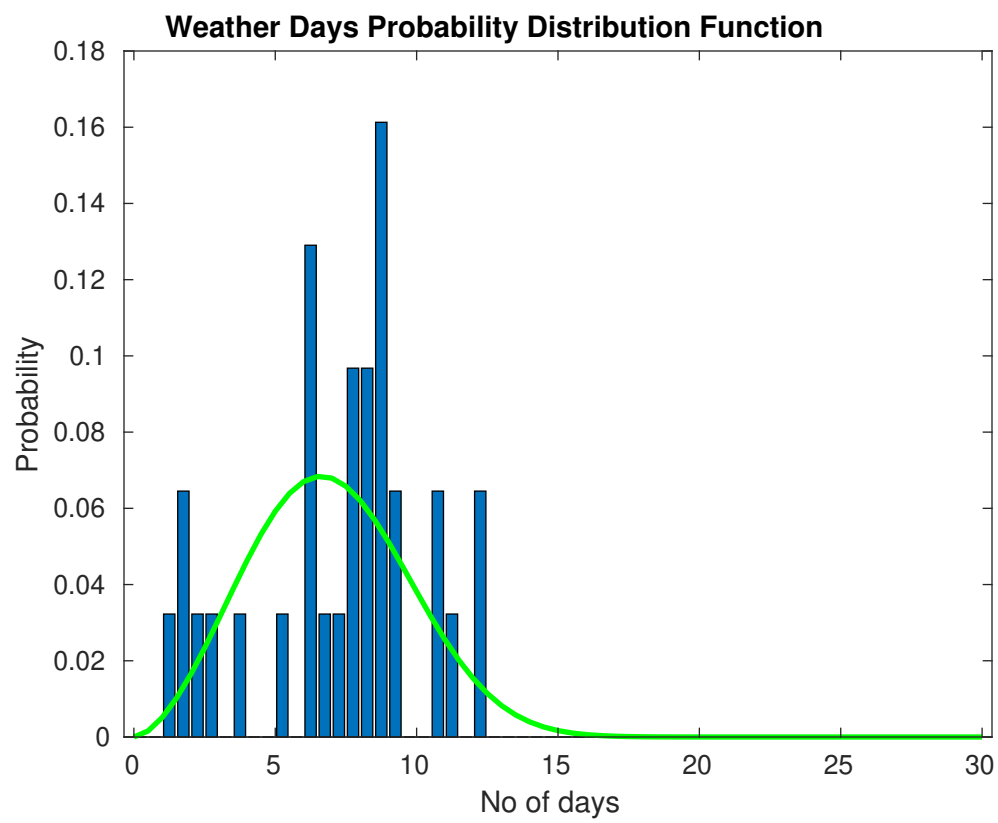
Current Speed > 0.5 knots Mean: 9.1 days Range: 1.9 - 16.3 days p50:8 days p75:5 days p90:3 days

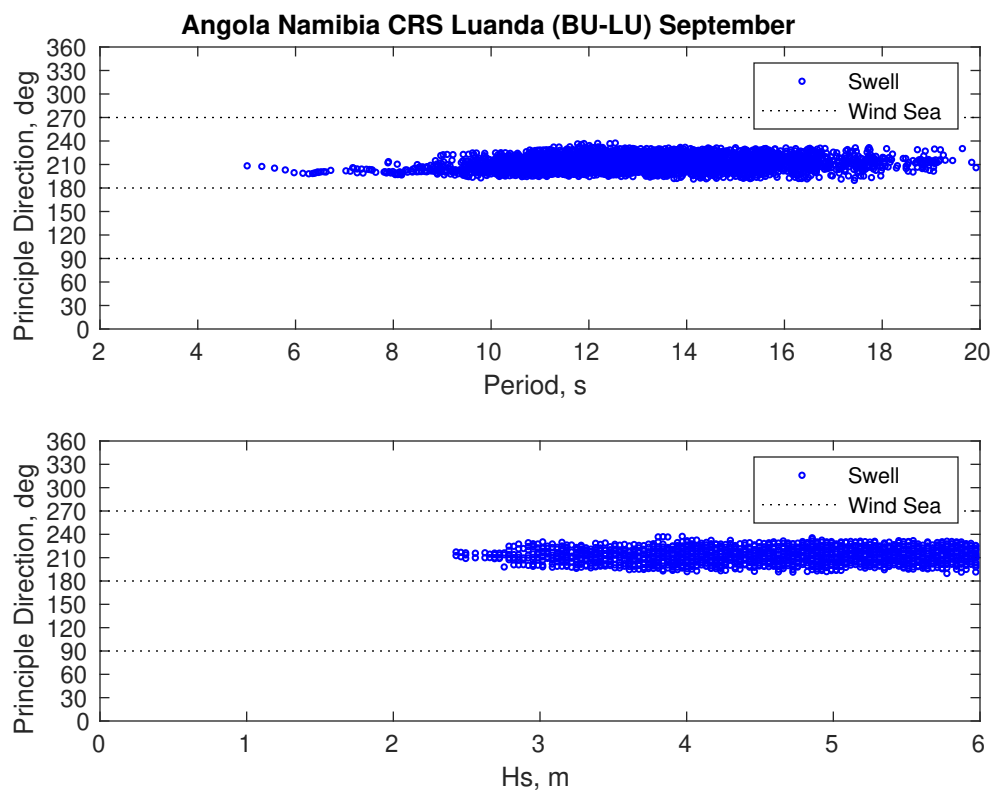
Current Speed > 1.0 knots Mean: 1.0 days Range: 0.0 - 3.6 days p50:1 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

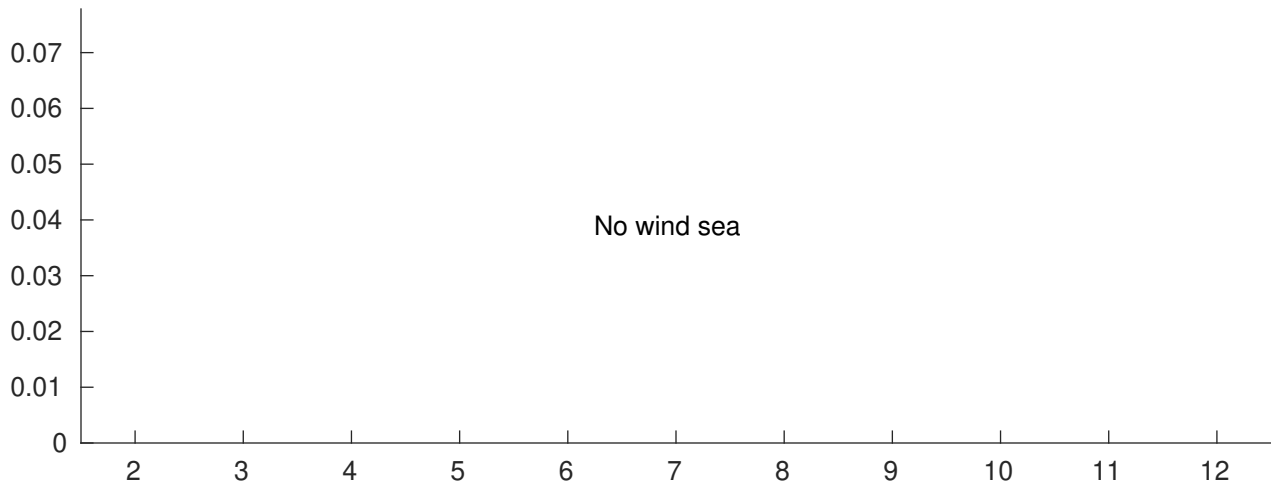
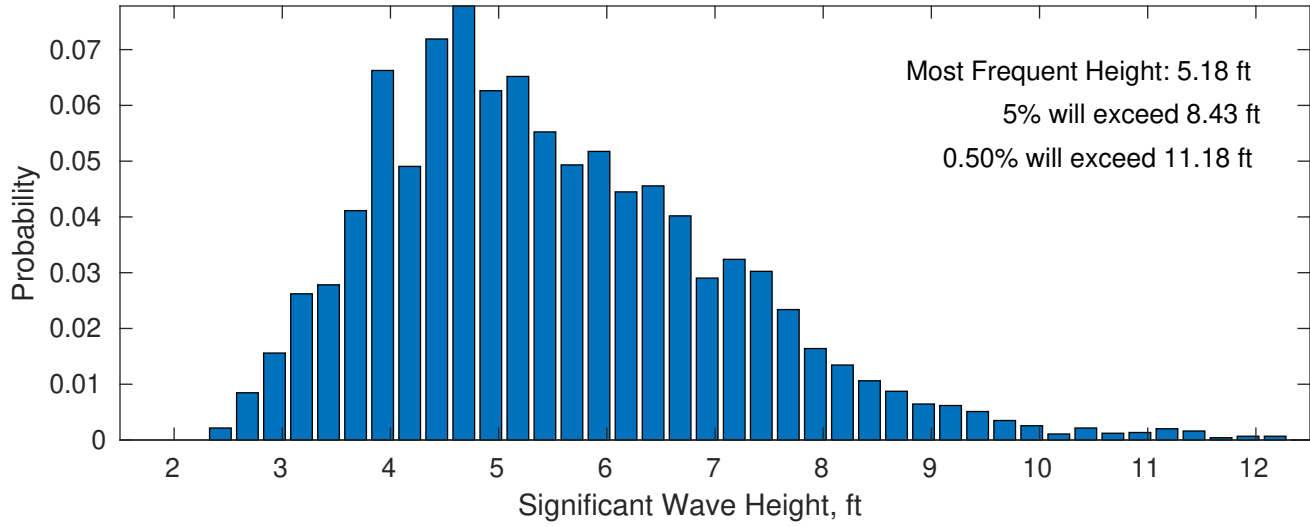
Severe Storms

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

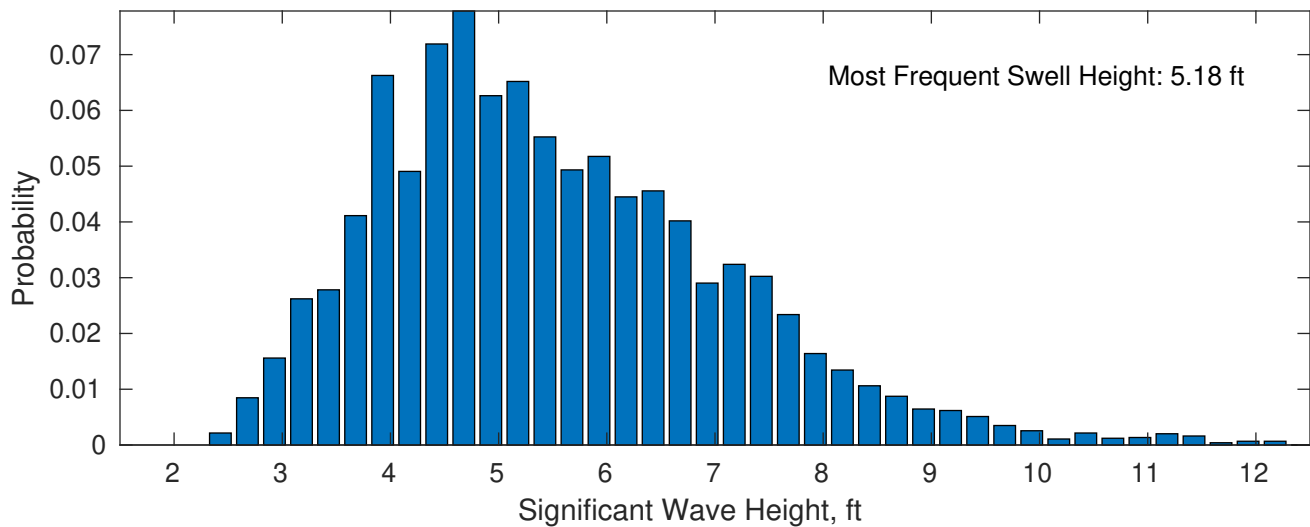




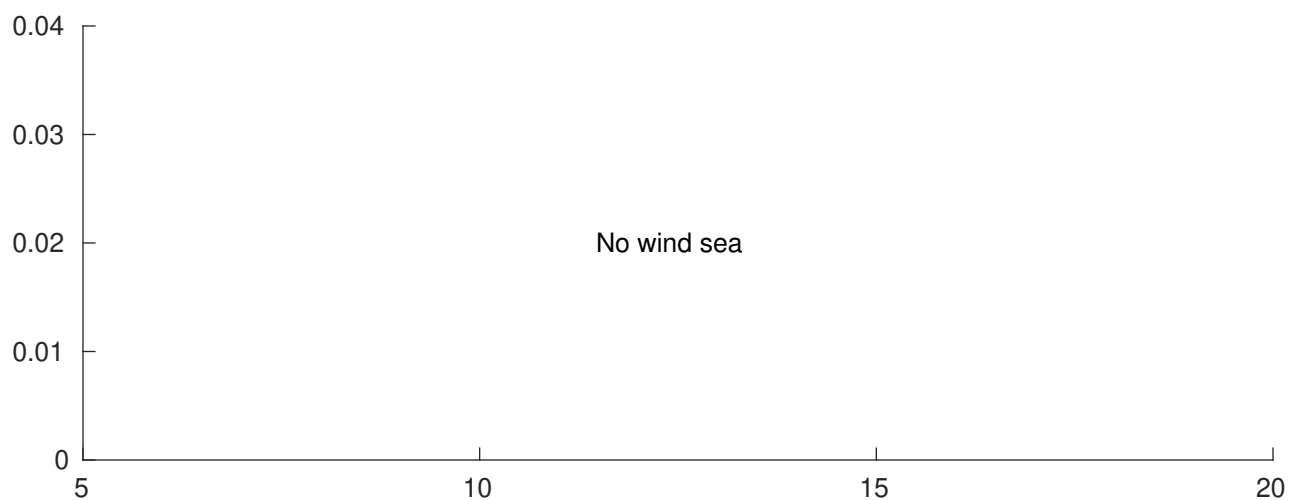
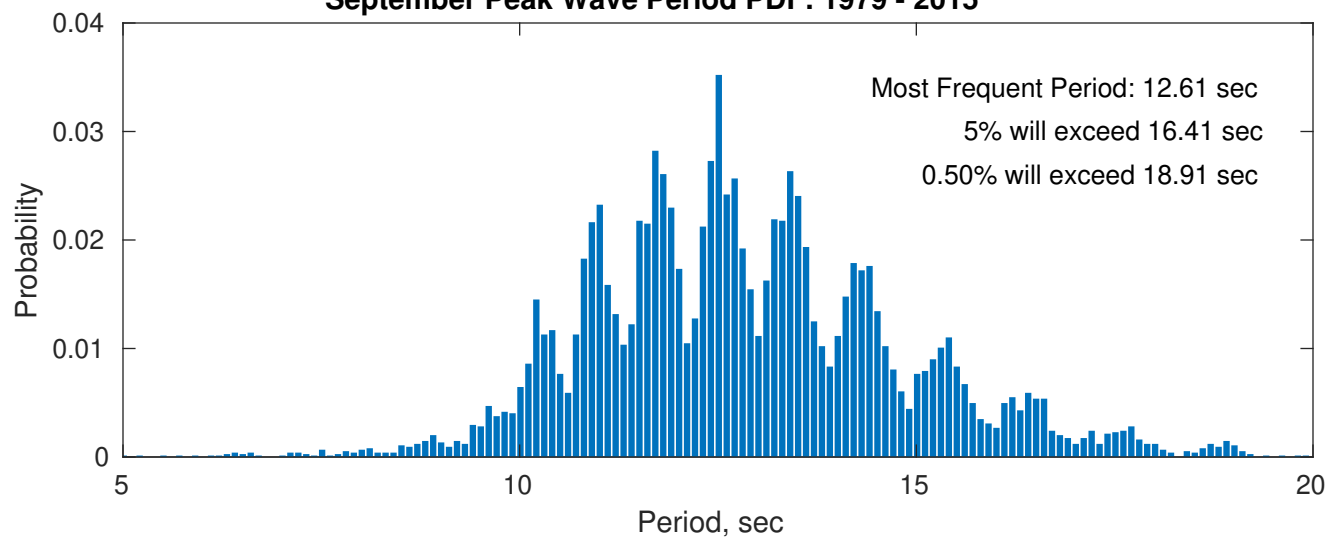
September Wave Height PDF: 1979 - 2015



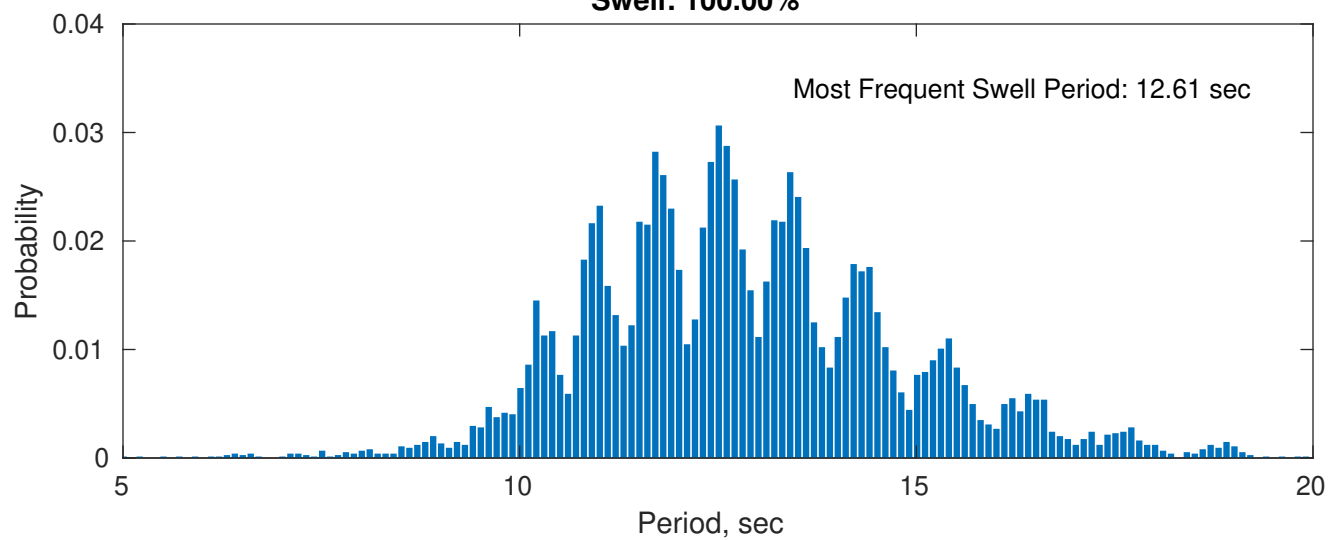
Swell: 100.00%



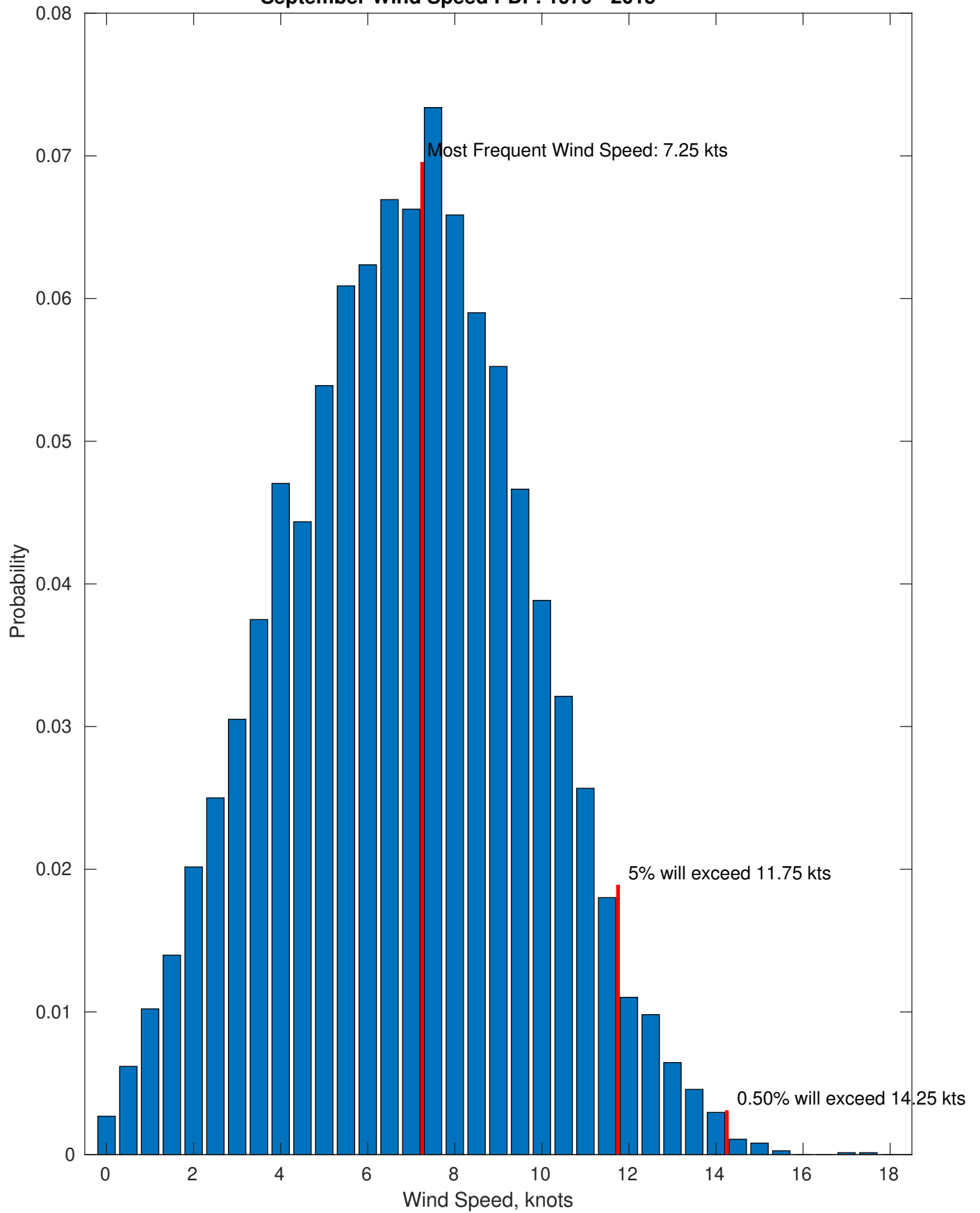
September Peak Wave Period PDF: 1979 - 2015



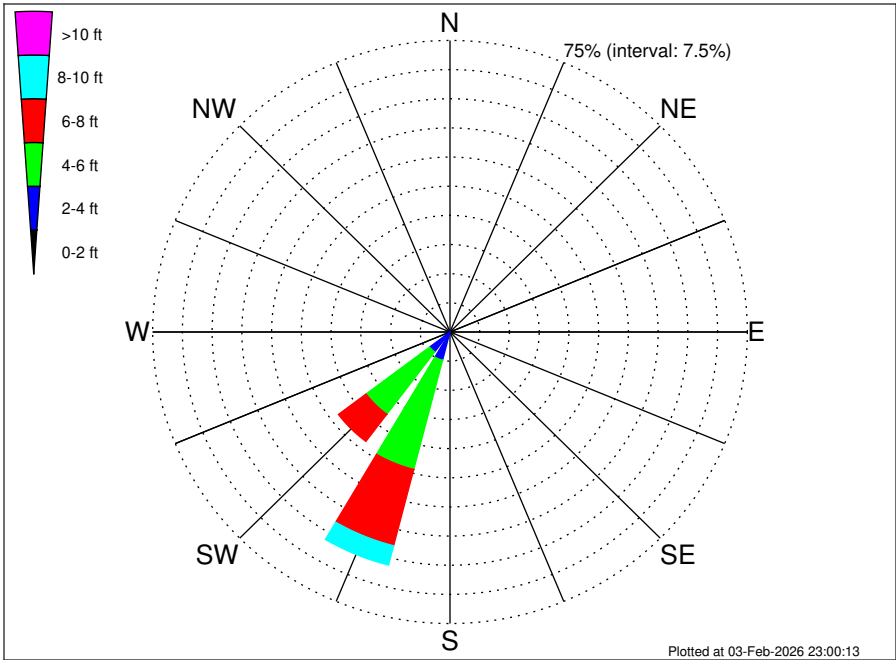
Swell: 100.00%



September Wind Speed PDF: 1979 - 2015



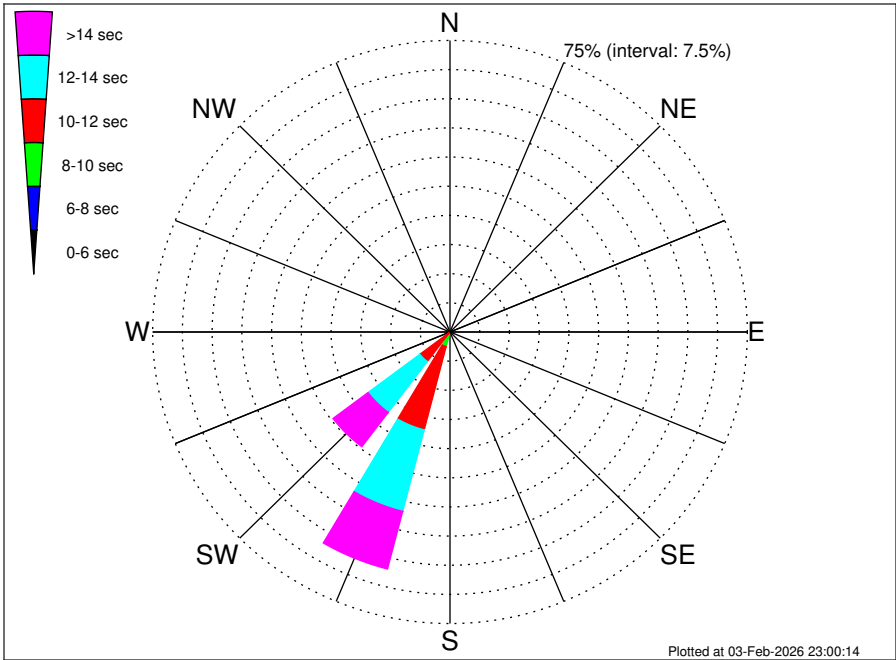
Angola Namibia CRS Luanda (BU-LU) Climatological WaveHeight Rose for September: 1979 - 2015



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	.	.	.	.	.	.	.	.	.	7.51	6.44	0.07	.	.	.	.	14.02
4 - 6 ft	.	.	.	.	.	.	.	.	0.01	29.01	20.07	.	.	.	.	.	49.09
6 - 8 ft	.	.	.	.	.	.	.	.	.	20.27	8.74	.	.	.	.	.	29.01
8 - 10 ft	.	.	.	.	.	.	.	.	.	5.13	1.42	.	.	.	.	.	6.56
10 - 12 ft	.	.	.	.	.	.	.	.	.	1.01	0.22	.	.	.	.	.	1.22
12 - 14 ft	.	.	.	.	.	.	.	.	.	0.04	0.07	.	.	.	.	.	0.11
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	.	.	.	.	.	.	.	.	0.01	62.97	36.95	0.07	.	.	.	.	100.00

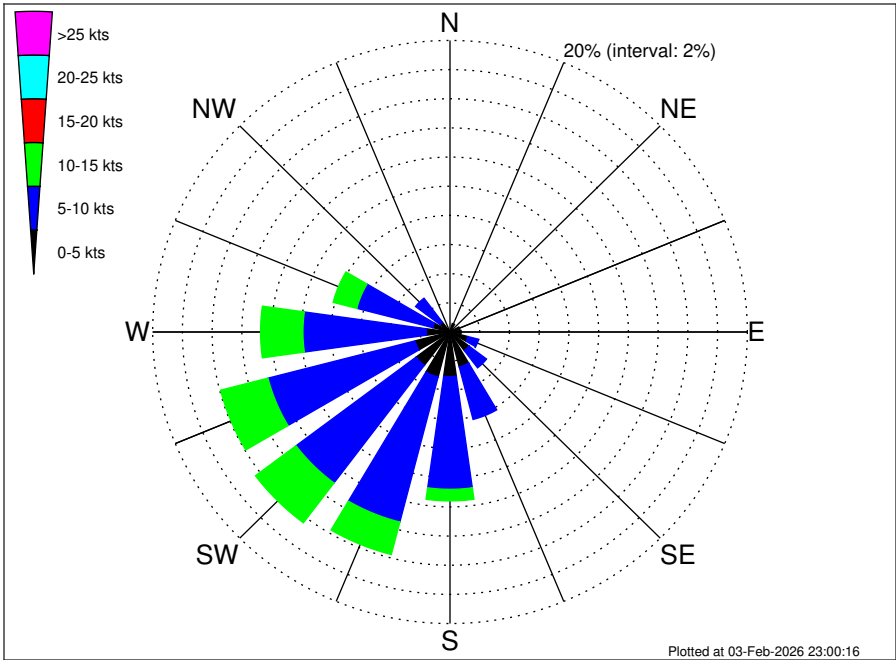
Angola Namibia CRS Luanda (BU-LU) Climatological WavePeriod Rose for September: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	0.07	•	•	•	•	•	•	0.07
6 - 8 sec	•	•	•	•	•	•	•	•	•	0.51	•	•	•	•	•	•	0.51
8 - 10 sec	•	•	•	•	•	•	•	•	•	3.29	0.39	•	•	•	•	•	3.68
10 - 12 sec	•	•	•	•	•	•	•	•	•	22.12	9.13	0.03	•	•	•	•	31.28
12 - 14 sec	•	•	•	•	•	•	•	•	•	21.67	16.37	0.04	•	•	•	•	38.08
14 - 16 sec	•	•	•	•	•	•	•	•	•	11.61	7.70	•	•	•	•	•	19.31
18 - 20 sec	•	•	•	•	•	•	•	•	0.01	3.17	2.76	•	•	•	•	•	5.94
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.52	0.60	•	•	•	•	•	1.13
Total	•	•	•	•	•	•	•	•	0.01	62.97	36.95	0.07	•	•	•	•	100.00

Angola Namibia CRS Luanda (BU-LU) 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	0.04	0.04	0.07	0.05	0.04	0.05	0.07	0.04	0.13	0.01	0.07	0.05	0.05	0.04	0.05	0.07	0.89
0 - 5 kts	0.39	0.56	0.30	0.63	0.71	1.21	1.53	2.43	2.93	3.17	2.80	2.38	1.55	1.16	0.79	0.34	22.88
5 - 10 kts	0.09	0.16	0.09	0.13	0.26	0.73	1.48	3.72	7.73	10.28	10.11	10.22	8.29	5.28	2.06	0.42	61.05
10 - 15 kts	.	0.01	.	.	.	.	0.01	0.16	0.79	2.30	3.41	3.29	2.85	1.64	0.50	0.08	15.05
15 - 20 kts	.	.	.	.	.	.	.	.	.	0.04	0.04	0.01	0.01	0.01	0.01	.	0.13
20 - 25 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
25 - 30 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
30 - 35 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
35 - 40 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
40 - 45 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
45 - 50 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	0.52	0.78	0.46	0.82	1.01	1.99	3.09	6.36	11.59	15.81	16.42	15.95	12.76	8.13	3.41	0.90	100.00