

Angola Namibia CRS Luanda (BU-LU) - October

Latitude: 8.85 S Longitude: 12.41 E

Weather Days

Wave Height > 5.0 ft Mean: 4.0 days Range: 1.6 - 6.3 days p50:4 days p75:2 days p90:1.5 days
Wave Height > 6.5 ft Mean: 0.4 days Range: 0.0 - 1.3 days p50:30 days p75:2.5 days p90:1 days
Wave Height > 8.0 ft Mean: 0.1 days Range: 0.0 - 0.4 days p50:30 days p75:30 days p90:30 days

Wind Speed > 15.0 knots Mean: 0.1 days Range: 0.0 - 0.2 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 3.5 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 2.0 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 2.7 times per month A 2 day or longer window will statistically occur 2.3 times per month A 3 day or longer window will statistically occur 2.1 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 1.5 times per month A 2 day or longer window will statistically occur 1.4 times per month A 3 day or longer window will statistically occur 1.3 times per month

Waves

Mean Height: 4 - 6 ft
The wave heights will occasionally reach 8 - 10 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

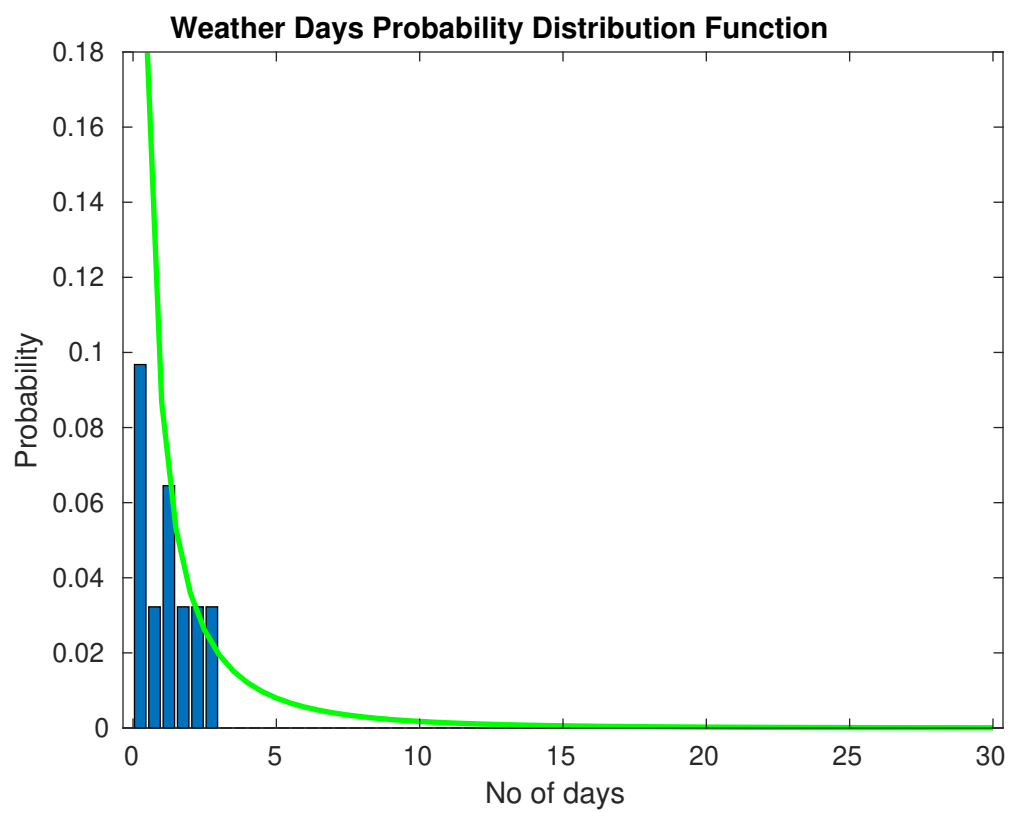
Currents

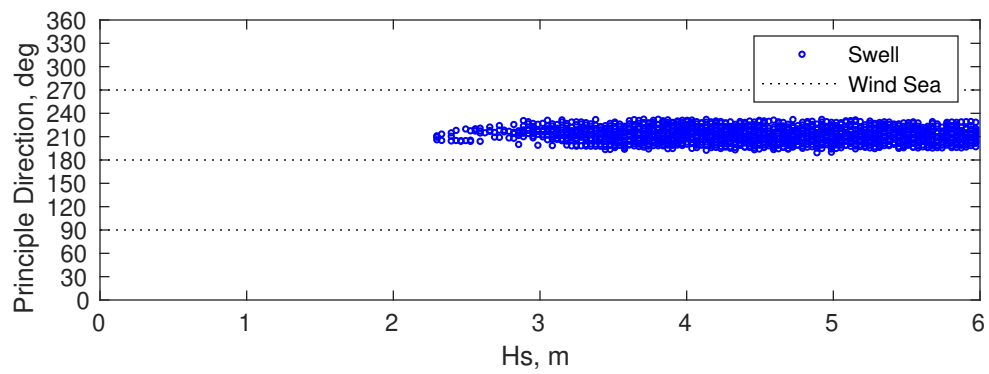
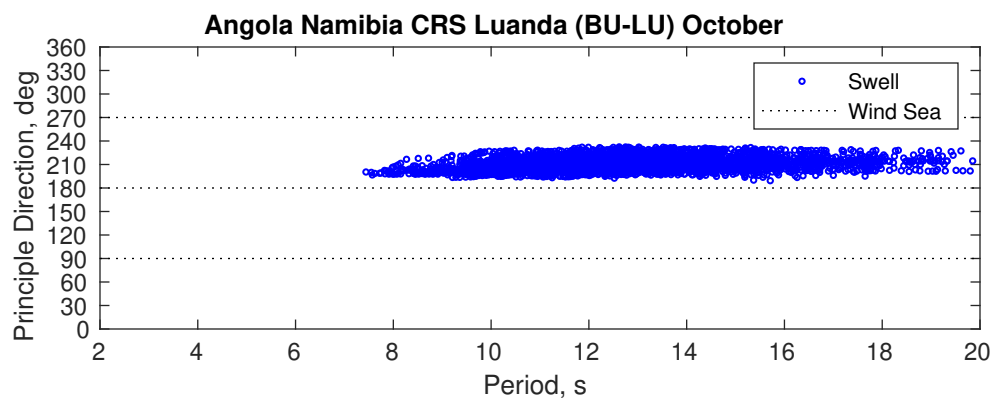
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.00-1.25 kts, but rarely greater.
Principle Direction, to: S

Weather Days
Current Speed > 0.5 knots Mean: 10.3 days Range: 6.4 - 14.3 days p50:12 days p75:9 days p90:6 days
Current Speed > 1.0 knots Mean: 0.7 days Range: 0.0 - 1.7 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

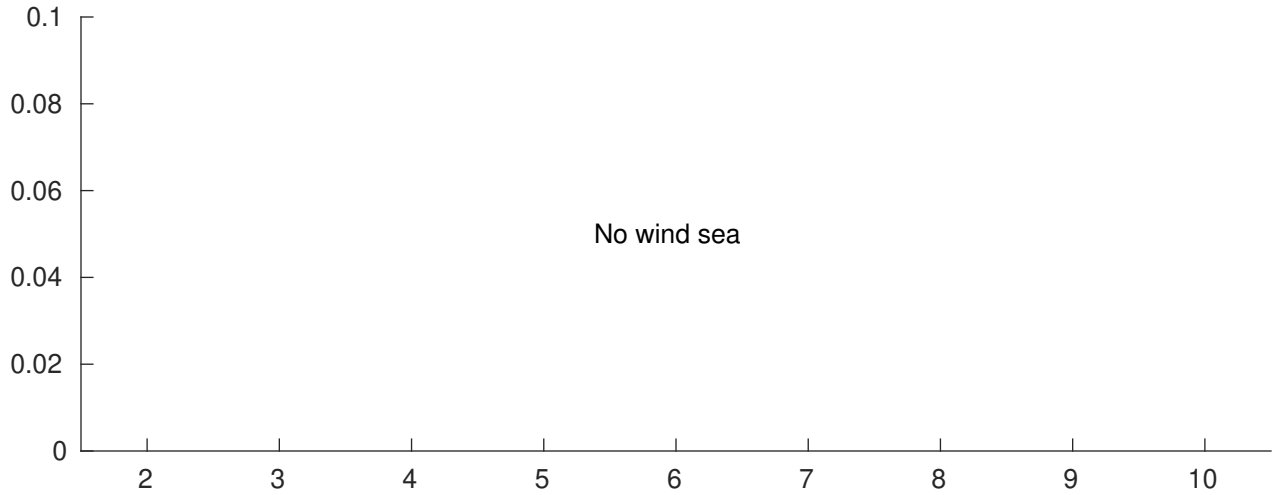
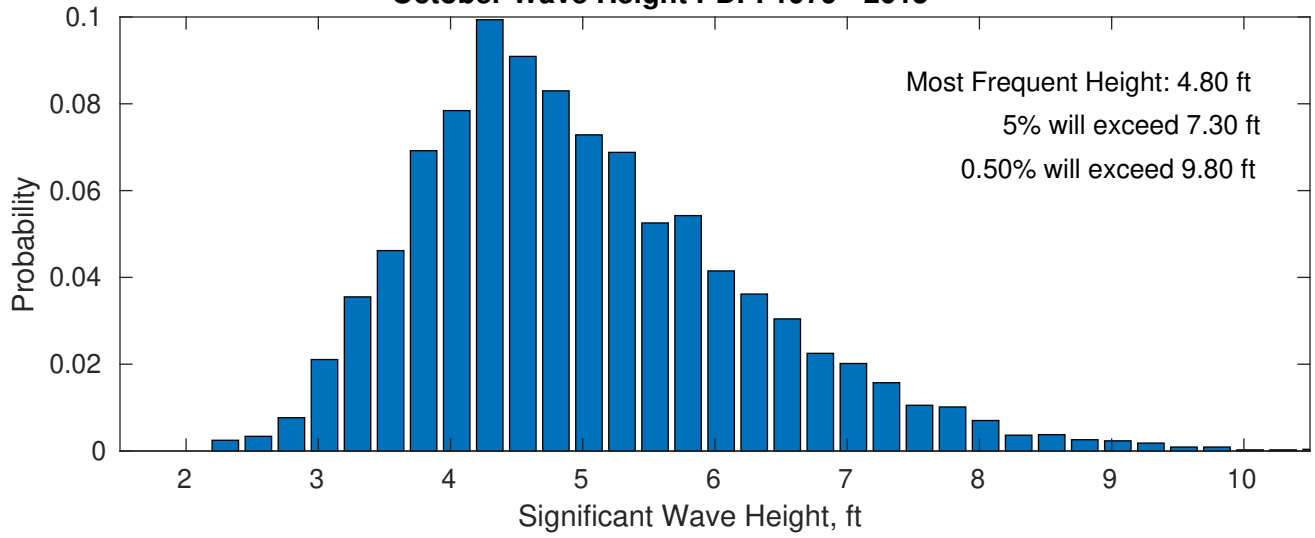
Severe Storms

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

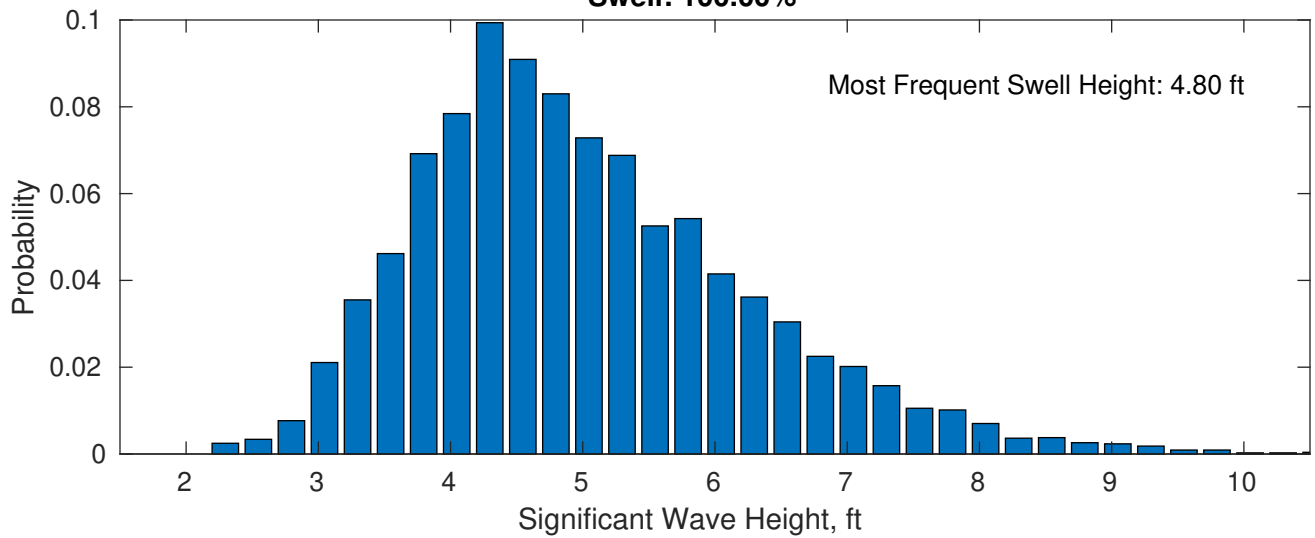




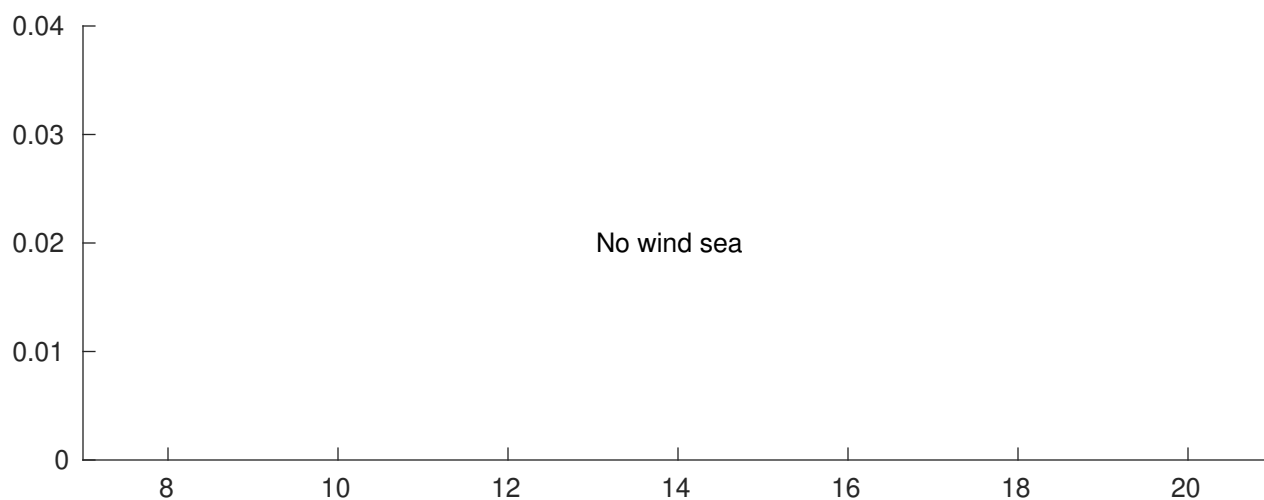
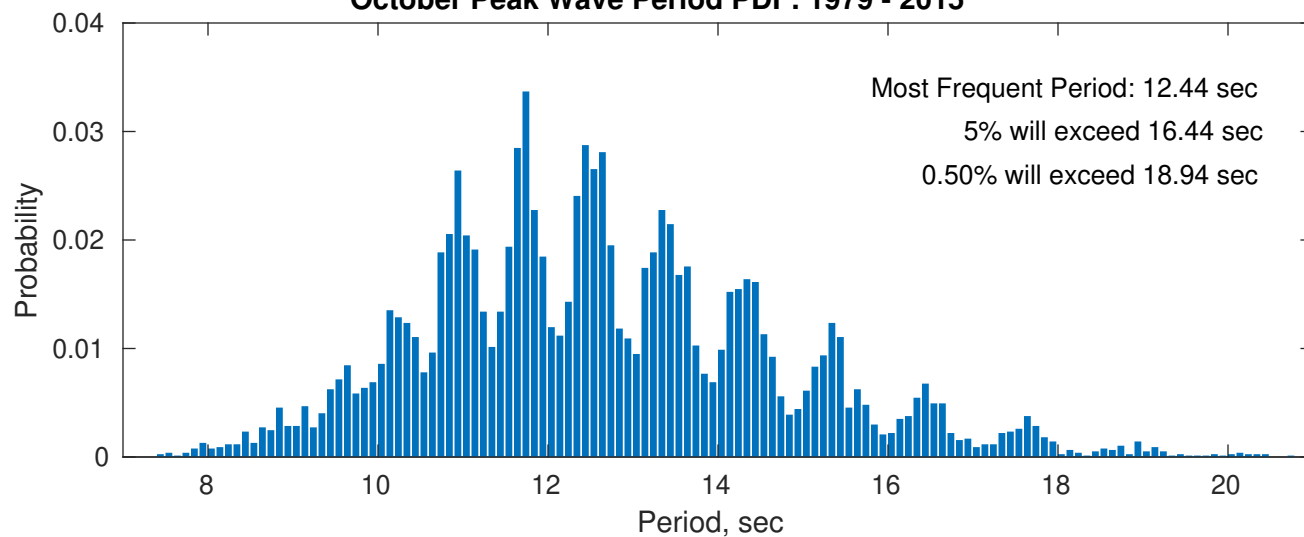
October Wave Height PDF: 1979 - 2015



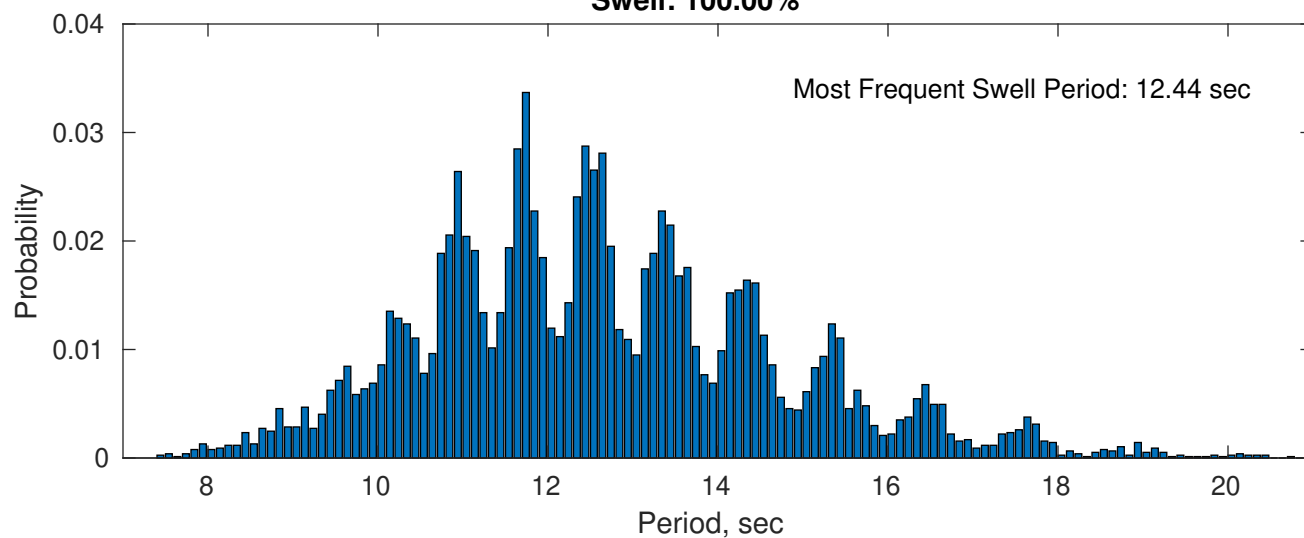
Swell: 100.00%



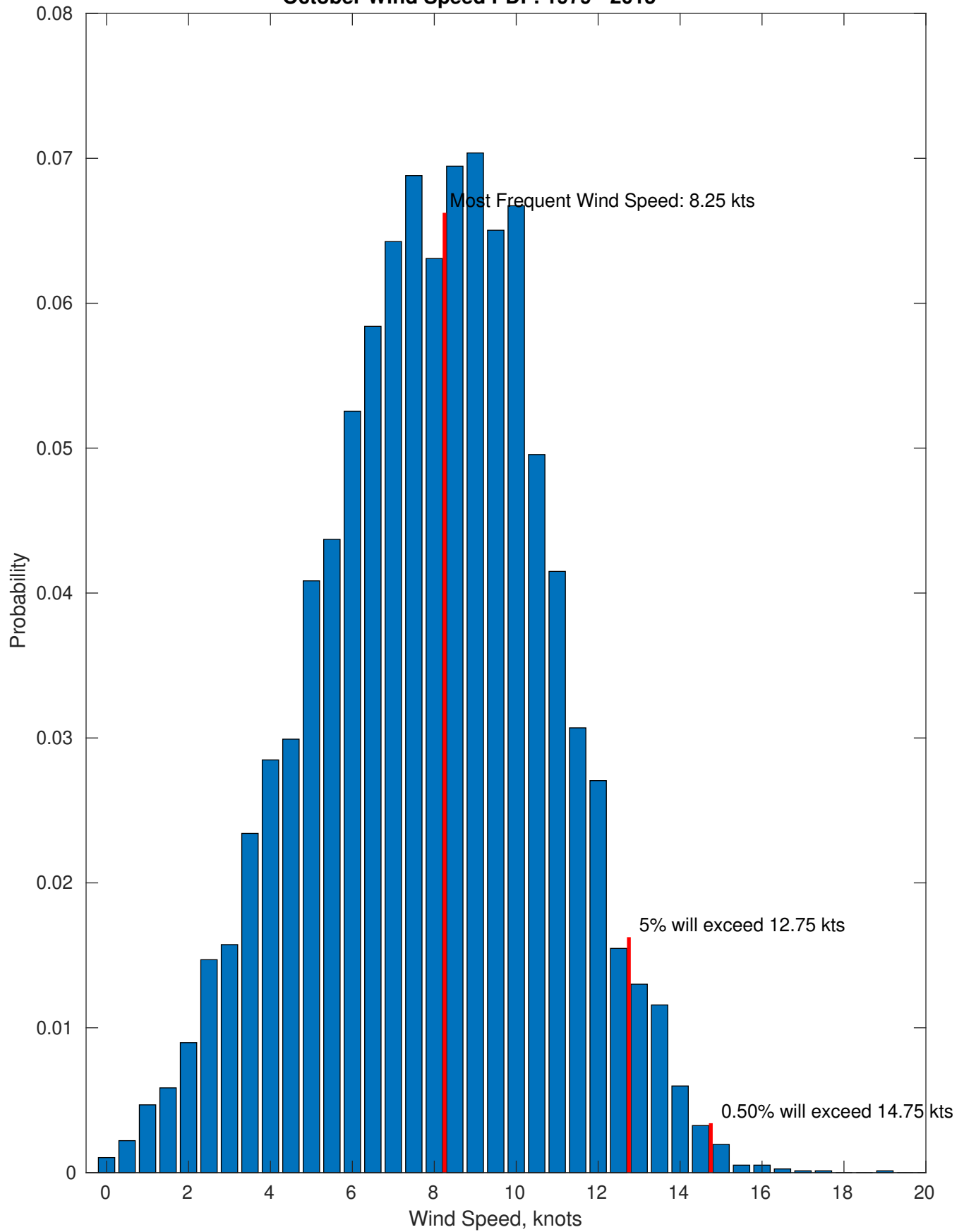
October Peak Wave Period PDF: 1979 - 2015



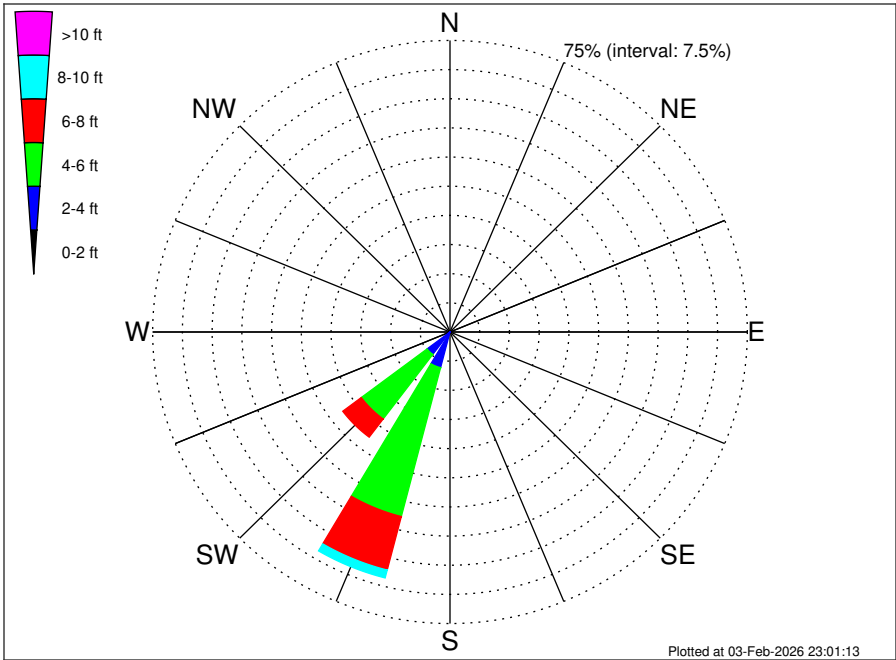
Swell: 100.00%



October Wind Speed PDF: 1979 - 2015



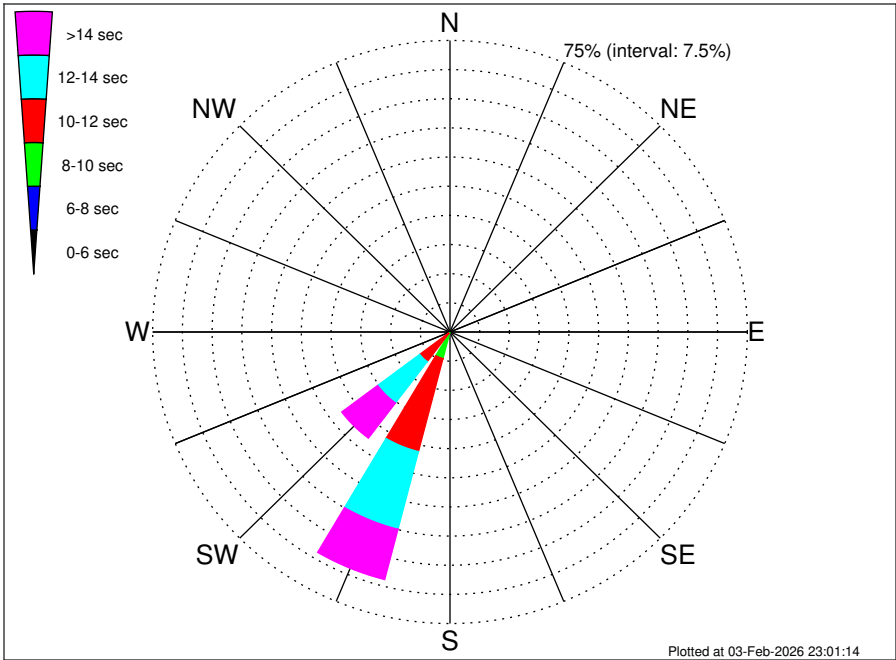
Angola Namibia CRS Luanda (BU-LU) Climatological WaveHeight Rose for October: 1979 - 2015



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	.	.	.	.	.	.	.	.	.	9.48	7.23	.	.	.	.	.	16.71
4 - 6 ft	.	.	.	.	.	.	.	.	0.03	39.56	20.80	.	.	.	.	.	60.38
6 - 8 ft	.	.	.	.	.	.	.	.	.	14.22	5.84	.	.	.	.	.	20.06
8 - 10 ft	.	.	.	.	.	.	.	.	.	2.09	0.33	.	.	.	.	.	2.42
10 - 12 ft	.	.	.	.	.	.	.	.	.	0.36	.	.	.	.	.	.	0.36
12 - 14 ft	.	.	.	.	.	.	.	.	.	0.07	.	.	.	.	.	.	0.07
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	.	.	.	.	.	.	.	.	0.03	65.78	34.20	.	.	.	.	.	100.00

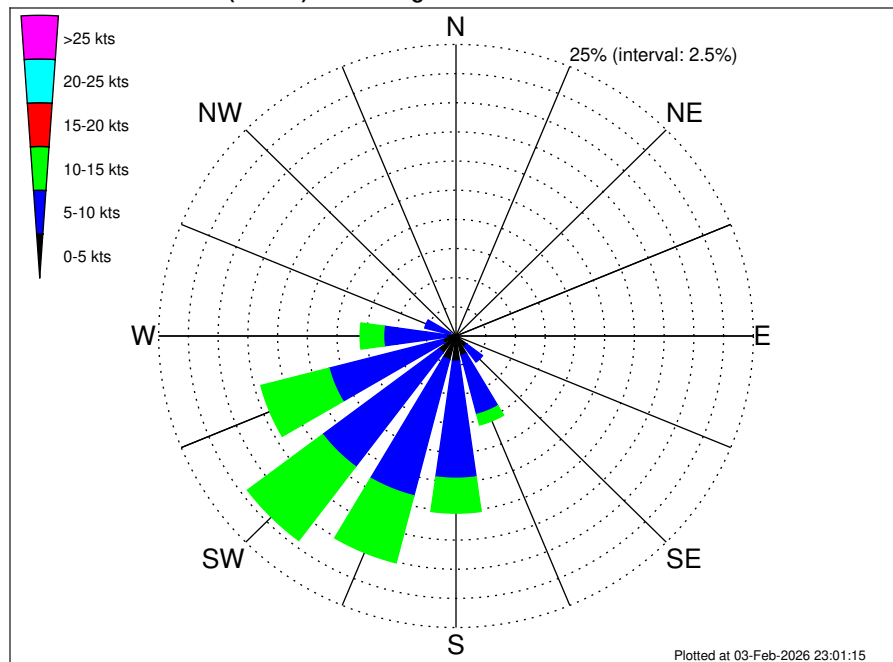
Angola Namibia CRS Luanda (BU-LU) Climatological WavePeriod Rose for October: 1979 - 2015



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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6 - 8 sec	•	•	•	•	•	•	•	•	•	0.29	•	•	•	•	•	•	0.29
8 - 10 sec	•	•	•	•	•	•	•	•	•	6.76	0.48	•	•	•	•	•	7.25
10 - 12 sec	•	•	•	•	•	•	•	•	•	24.74	9.07	•	•	•	•	•	33.81
12 - 14 sec	•	•	•	•	•	•	•	•	•	20.63	13.32	•	•	•	•	•	33.95
14 - 16 sec	•	•	•	•	•	•	•	•	0.03	10.05	7.70	•	•	•	•	•	17.78
18 - 20 sec	•	•	•	•	•	•	•	•	•	2.87	2.91	•	•	•	•	•	5.79
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.43	0.72	•	•	•	•	•	1.14
Total	•	•	•	•	•	•	•	•	0.03	65.78	34.20	•	•	•	•	•	100.00

Angola Namibia CRS Luanda (BU-LU) Climatological Wind Rose for October: 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	0.01	0.04	0.04	•	0.01	0.05	0.01	0.01	•	0.05	0.01	0.03	0.01	0.01	0.33
0 - 5 kts	0.17	0.10	0.13	0.25	0.33	0.59	1.14	1.68	2.16	2.08	1.80	1.11	0.81	0.49	0.21	0.14	13.18
5 - 10 kts	0.05	•	•	•	0.17	0.34	1.64	5.22	10.03	12.06	12.24	9.87	5.27	2.20	0.47	0.10	59.65
10 - 15 kts	•	•	•	•	0.03	0.01	0.13	0.94	2.99	5.94	7.92	5.92	1.98	0.53	0.09	•	26.48
15 - 20 kts	•	•	•	•	•	•	•	0.01	0.03	0.07	0.14	0.09	0.03	•	•	•	0.36
20 - 25 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.23	0.12	0.14	0.29	0.56	0.94	2.93	7.90	15.22	20.16	22.10	17.04	8.09	3.25	0.78	0.26	100.00