

Angola Namibia CRS Luanda (BU-LU) - February

Latitude: 8.85 S Longitude: 12.41 E

Weather Days

Wave Height > 5.0 ft Mean: 0.9 days Range: 0.0 - 2.2 days p50:2.5 days p75:1 days p90:0.5 days
Wave Height > 6.5 ft Mean: 0.0 days Range: 0.0 - 0.2 days p50:30 days p75:30 days p90:30 days
Wave Height > 8.0 ft Mean: 0.0 days Range: 0.0 - 0.0 days p50:30 days p75:30 days p90:30 days

Wind Speed > 15.0 knots Mean: 0.6 days Range: 0.1 - 1.1 days p50:1 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 2.8 times per month A 2 day or longer window will statistically occur 2.2 times per month A 3 day or longer window will statistically occur 1.8 times per month
Wave Height < 6.5 ft	A 1 day or longer window will statistically occur 1.1 times per month A 2 day or longer window will statistically occur 1.1 times per month A 3 day or longer window will statistically occur 1.1 times per month
Wave Height < 8.0 ft	A 1 day or longer window will statistically occur 0.3 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 0.3 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 15 - 20 kts, but rarely greater.
Principle Direction, from: SSW

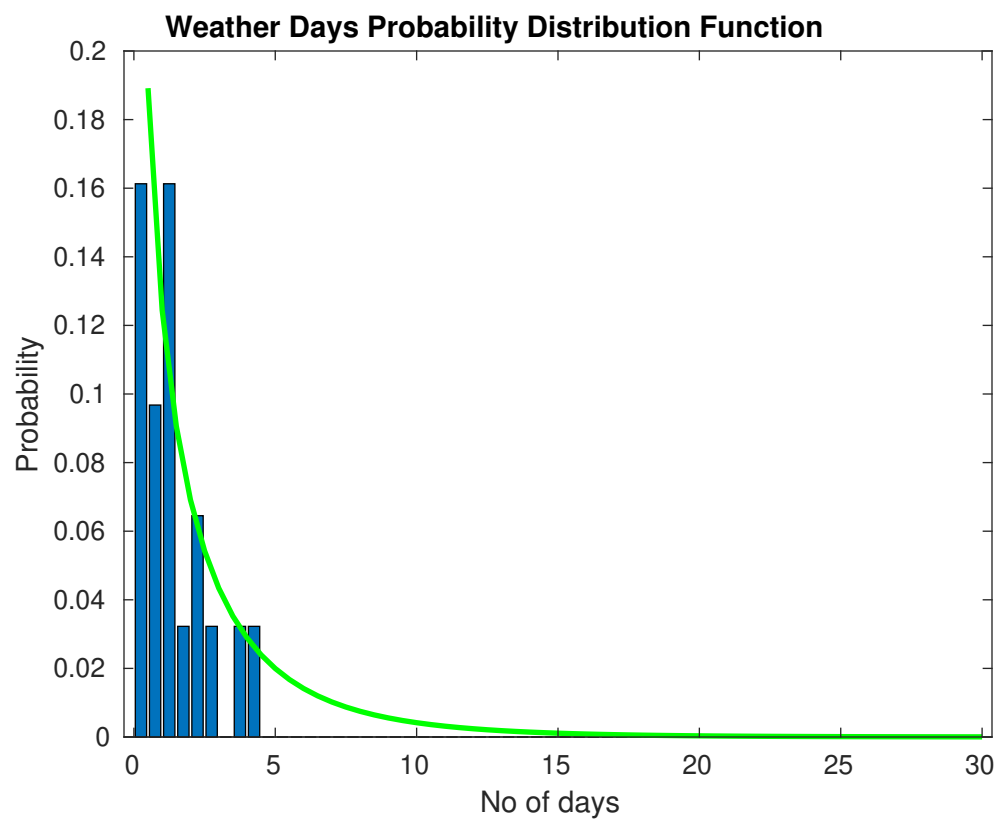
Currents

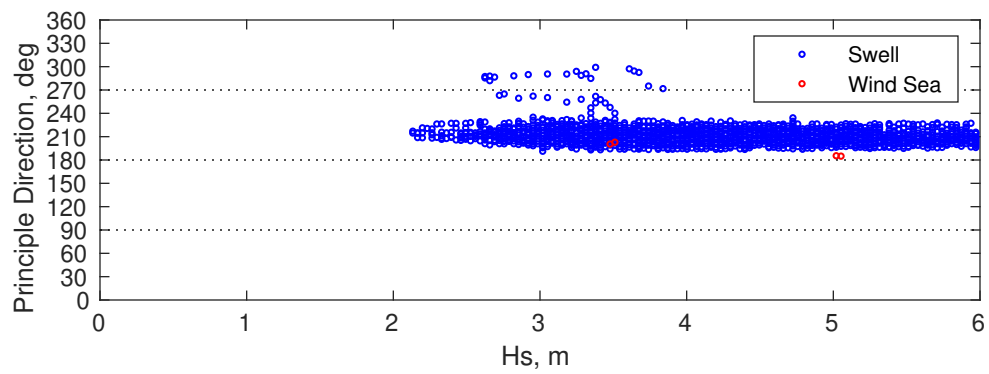
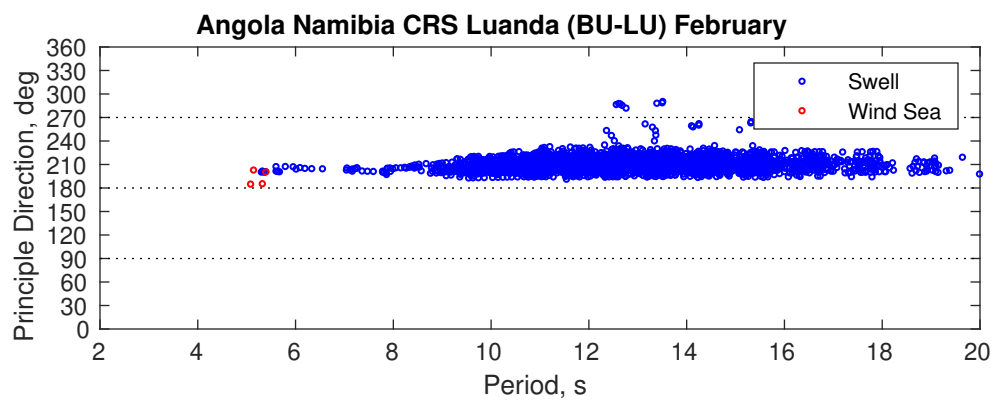
Mean Speed: 0.25-0.50 kts
The currents will occasionally reach 1.00-1.25 kts, but rarely greater.
Principle Direction, to: NNW

Weather Days
Current Speed > 0.5 knots Mean: 8.8 days Range: 4.1 - 13.4 days p50:10 days p75:6 days p90:2 days
Current Speed > 1.0 knots Mean: 0.3 days Range: 0.0 - 1.2 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

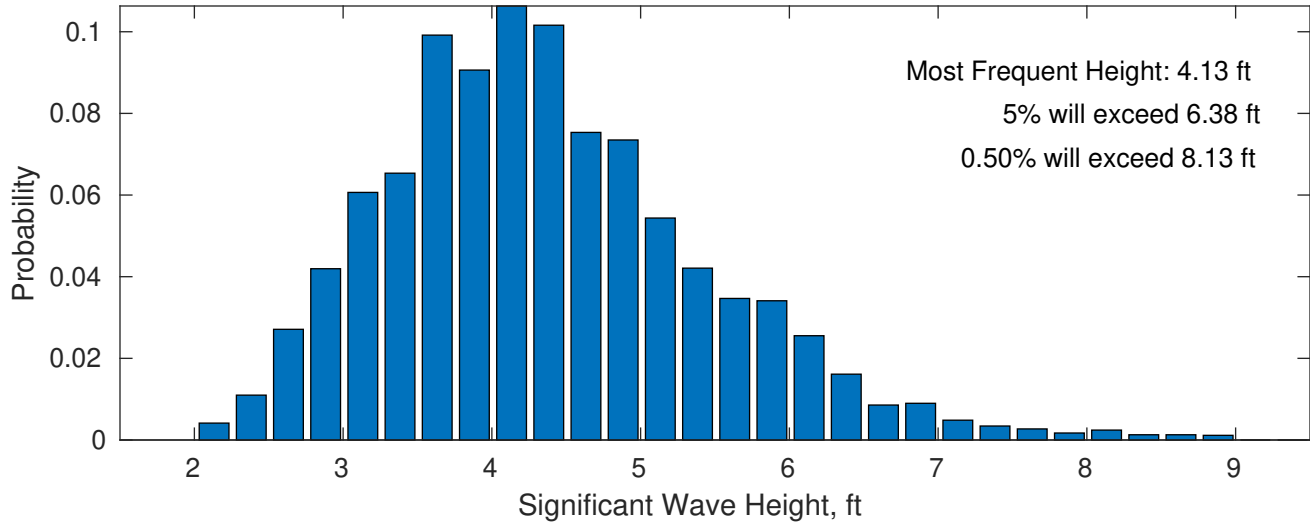
Severe Storms

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

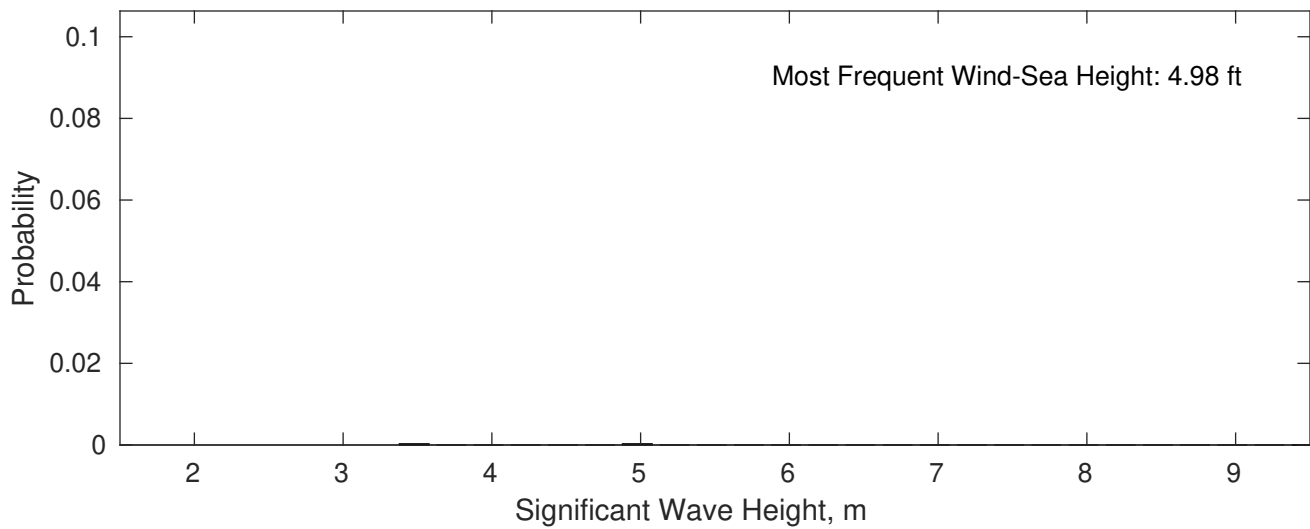




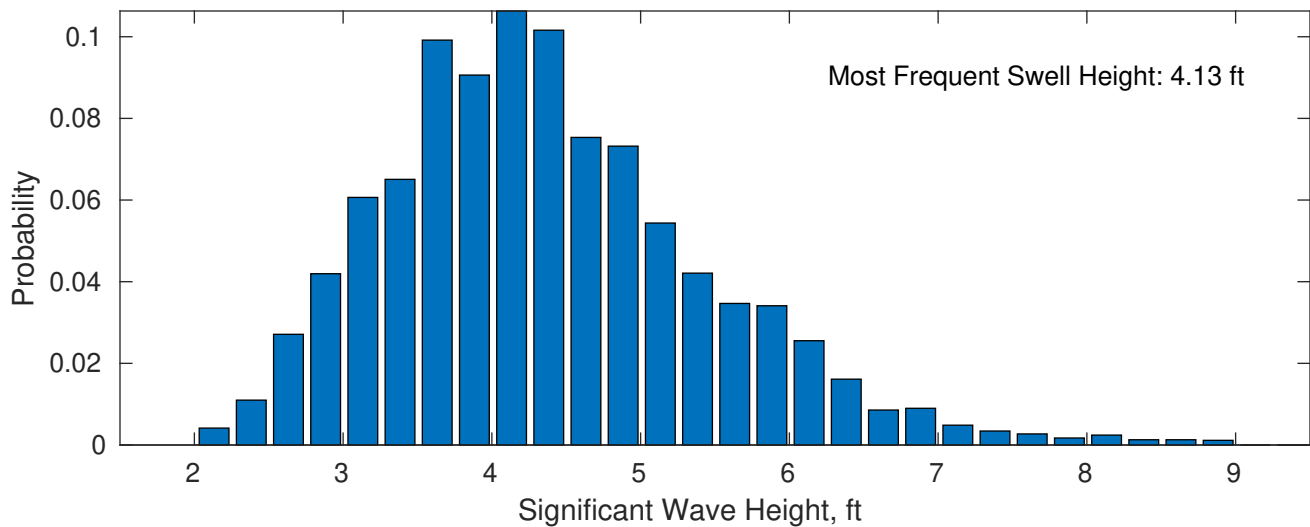
February Wave Height PDF: 1979 - 2015



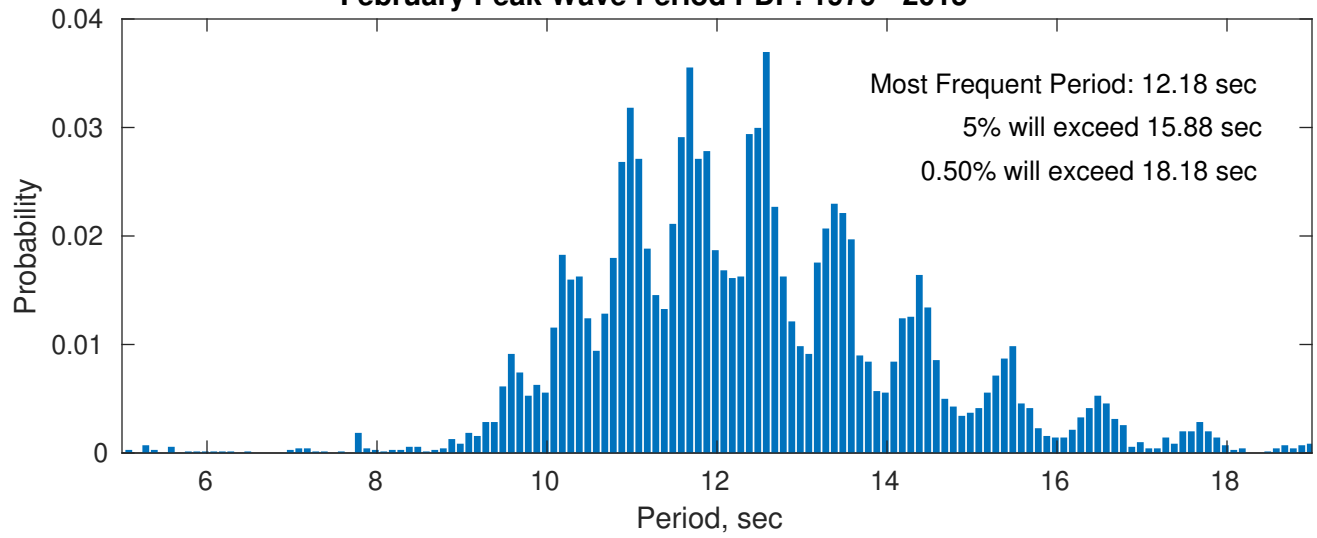
Wind-Sea: 0.06%



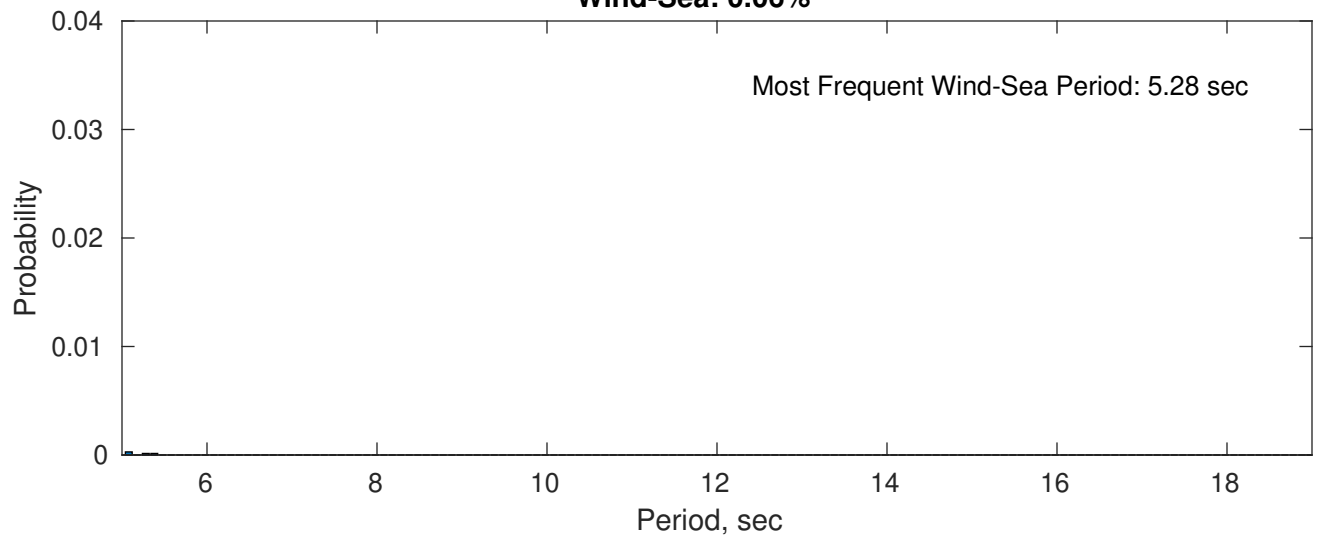
Swell: 99.94%



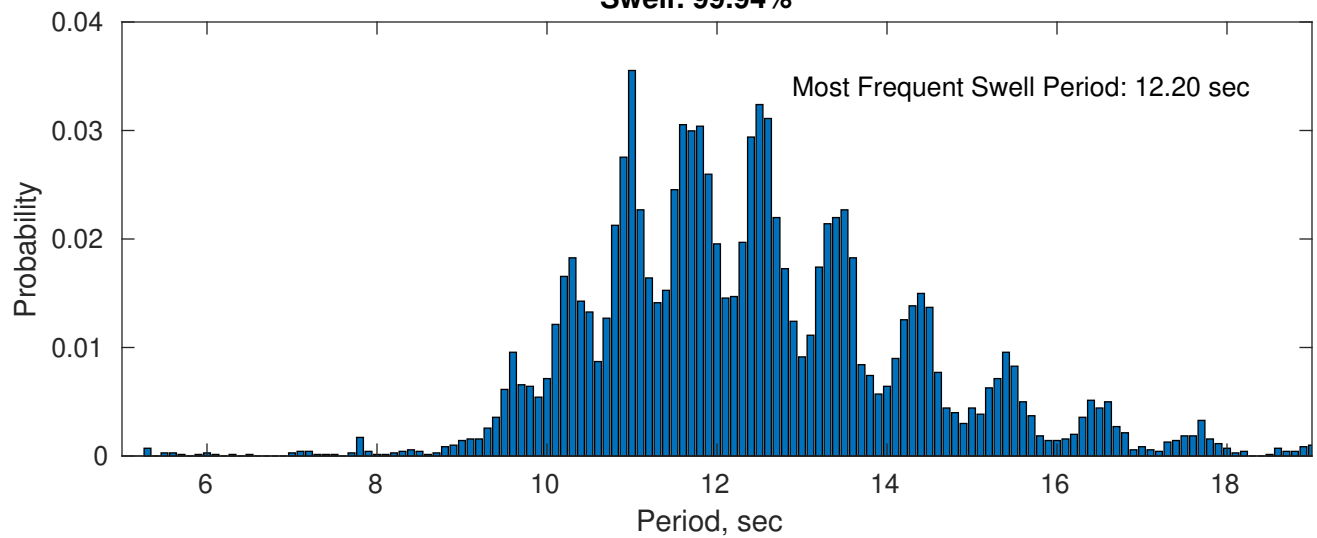
February Peak Wave Period PDF: 1979 - 2015



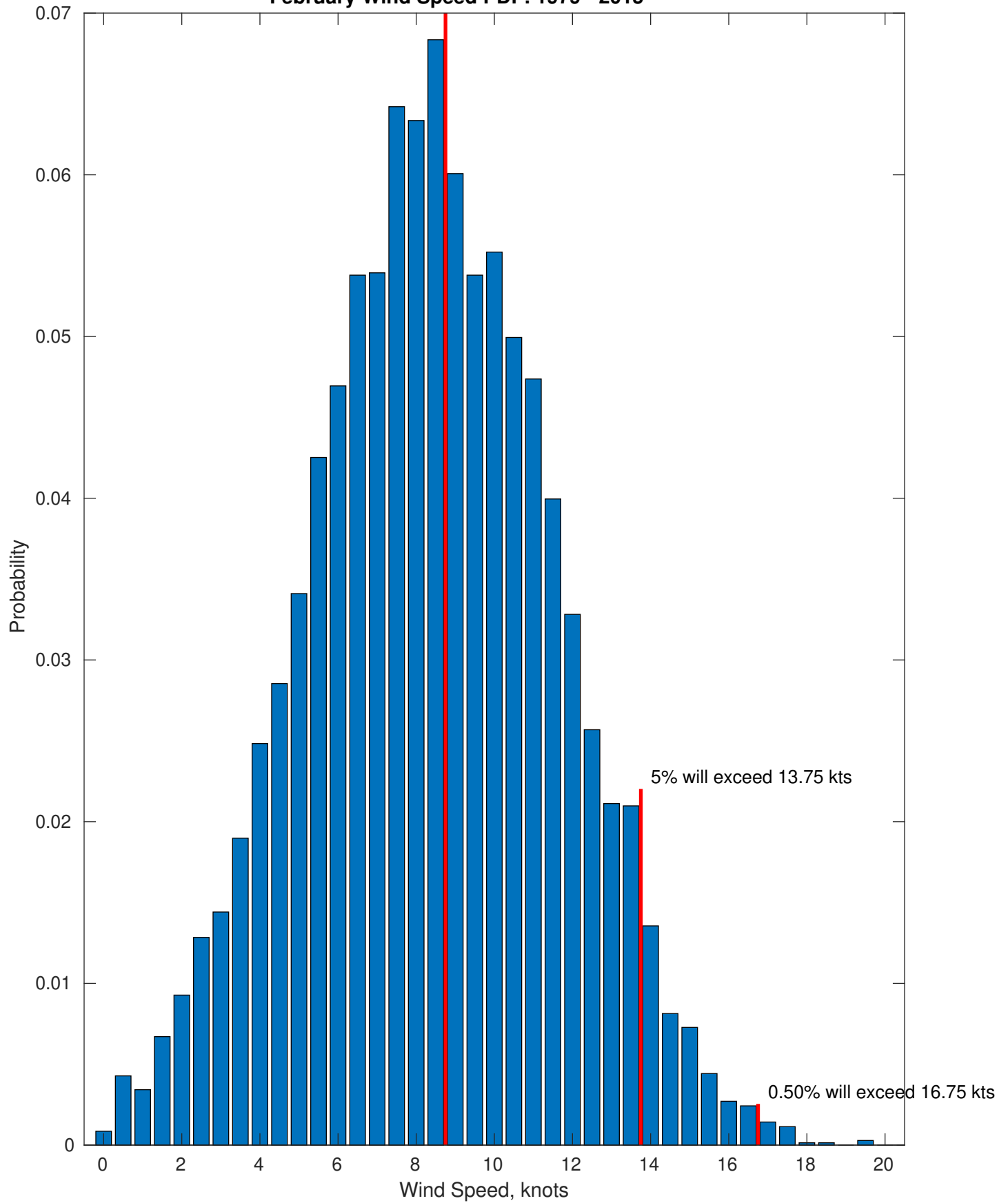
Wind-Sea: 0.06%



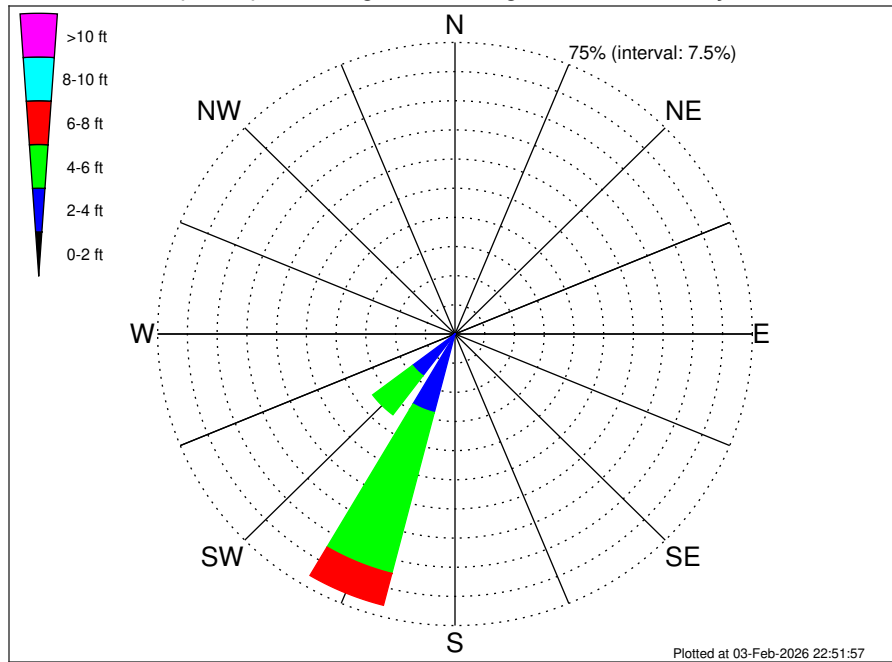
Swell: 99.94%



Most Frequent Wind Speed: 8.75 kts
February Wind Speed PDF: 1979 - 2015



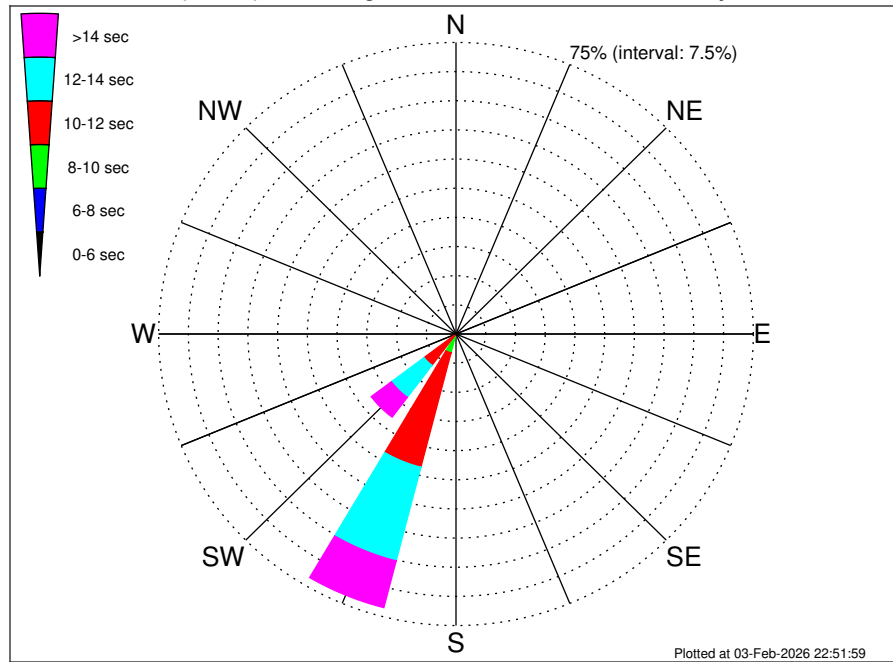
Angola Namibia CRS Luanda (BU-LU) Climatological WaveHeight Rose for February: 1979 - 2015



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	20.88	13.44	0.13	0.11	0.24	.	.	34.82
4 - 6 ft	.	.	.	.	.	.	.	.	0.03	42.74	12.57	.	.	.	.	.	55.34
6 - 8 ft	.	.	.	.	.	.	.	.	.	8.48	0.64	.	.	.	.	.	9.12
8 - 10 ft	.	.	.	.	.	.	.	.	.	0.61	0.11	.	.	.	.	.	0.73
10 - 12 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12 - 14 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
14 - 16 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
16 - 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
> 18 ft	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	.	.	.	.	.	.	.	.	0.04	72.70	26.77	0.13	0.11	0.24	.	.	100.00

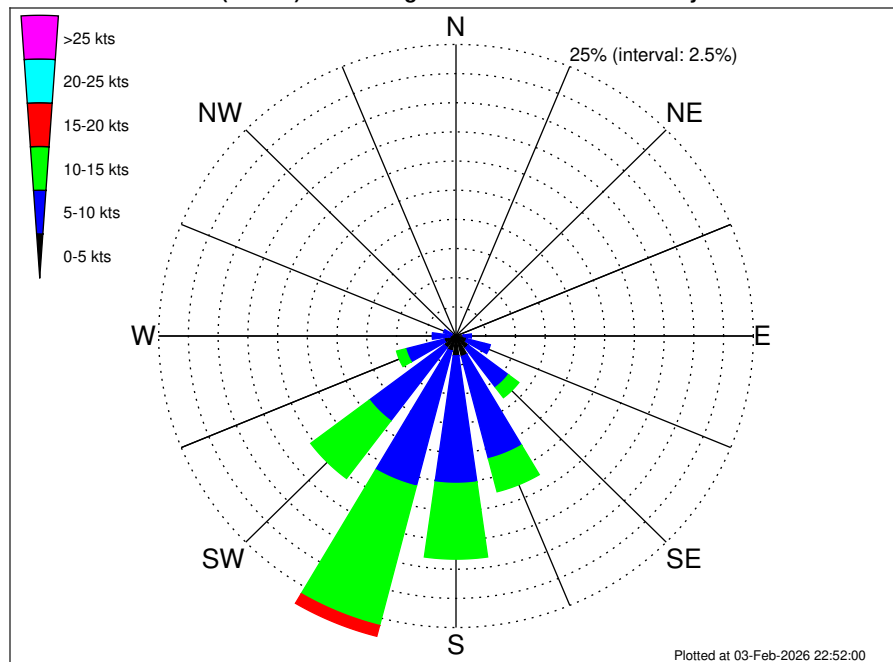
Angola Namibia CRS Luanda (BU-LU) Climatological WavePeriod Rose for February: 1979 - 2015



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	0.19	•	•	•	•	•	•	0.21
6 - 8 sec	•	•	•	•	•	•	•	•	•	0.47	•	•	•	•	•	•	0.47
8 - 10 sec	•	•	•	•	•	•	•	•	•	4.35	0.60	•	•	•	•	•	4.95
10 - 12 sec	•	•	•	•	•	•	•	•	0.01	30.39	9.50	•	•	•	•	•	39.91
12 - 14 sec	•	•	•	•	•	•	•	•	•	24.89	10.32	0.10	0.01	0.14	•	•	35.46
14 - 16 sec	•	•	•	•	•	•	•	•	•	9.30	4.69	0.03	0.07	•	•	•	14.10
18 - 20 sec	•	•	•	•	•	•	•	•	•	2.61	1.56	•	0.03	0.07	•	•	4.27
22 - 24 sec	•	•	•	•	•	•	•	•	•	0.50	0.10	•	•	0.03	•	•	0.63
Total	•	•	•	•	•	•	•	•	0.04	72.70	26.77	0.13	0.11	0.24	•	•	100.00

Angola Namibia CRS Luanda (BU-LU) Climatological Wind Rose for February: 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	•	0.04	0.04	0.03	0.01	0.06	0.01	0.03	0.04	0.04	0.04	0.01	0.03	0.01	0.07	0.51
0 - 5 kts	0.16	0.17	0.16	0.30	0.59	0.91	1.24	1.80	1.67	1.28	1.20	1.00	0.51	0.36	0.33	0.23	11.90
5 - 10 kts	0.19	0.13	0.23	0.37	0.68	2.05	4.22	9.06	10.94	11.97	7.88	3.32	1.47	0.70	0.51	0.37	54.11
10 - 15 kts	•	0.04	0.09	0.17	0.17	0.53	1.10	2.93	6.49	12.34	6.18	0.80	0.17	0.20	0.20	0.07	31.48
15 - 20 kts	•	•	0.03	•	•	0.04	0.04	0.30	0.46	0.96	0.17	•	•	•	•	•	2.00
20 - 25 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.37	0.34	0.54	0.88	1.47	3.55	6.66	14.10	19.59	26.60	15.47	5.17	2.17	1.28	1.06	0.74	100.00