

Petronas Oman Block 18 - January

Latitude: 25.00 N Longitude: 60.50 E

Weather Days

Wave Height > 4.0 ft Mean: 1.8 days Range: 0.4 - 3.2 days p50:2 days p75:1 days p90:0.5 days
Wave Height > 5.0 ft Mean: 0.8 days Range: 0.1 - 1.6 days p50:1.5 days p75:1 days p90:0.5 days
Wave Height > 6.0 ft Mean: 0.4 days Range: 0.0 - 1.0 days p50:30 days p75:1.5 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 2.4 days Range: 1.2 - 3.6 days p50:2.5 days p75:2 days p90:1 days
Wind Speed > 20.0 knots Mean: 0.5 days Range: 0.0 - 0.9 days p50:0.5 days p75:0.5 days p90:0.5 days
Wind Speed > 25.0 knots Mean: 0.1 days Range: 0.0 - 0.3 days p50:0.5 days p75:0.5 days p90:0.5 days

Working Window

Wave Height < 4.0 ft	A 1 day or longer window will statistically occur 2.5 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 2.0 times per month
Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 1.9 times per month A 2 day or longer window will statistically occur 1.7 times per month A 3 day or longer window will statistically occur 1.7 times per month
Wave Height < 6.0 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 1.4 times per month

Waves

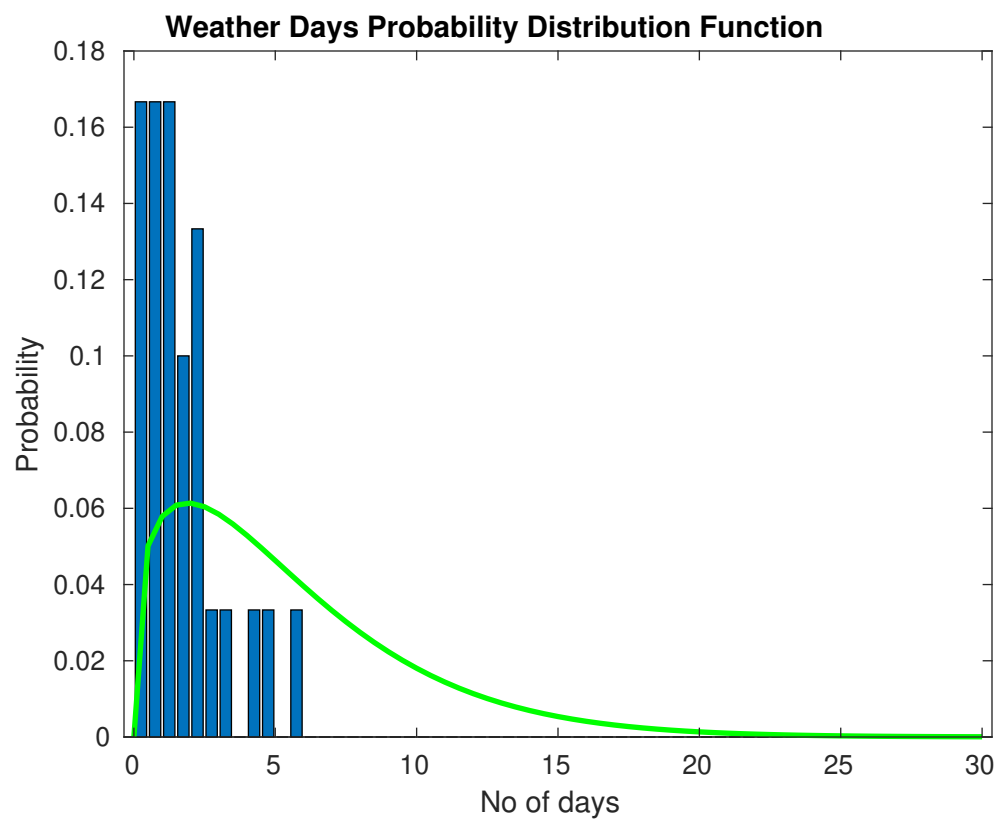
Mean Height: 1 - 2 ft
The wave heights will occasionally reach 6 - 8 ft, but rarely higher.
Mean Period: 8 - 10 sec
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.
Principle Direction, from: S
WindSea/Swell: 16% / 84%

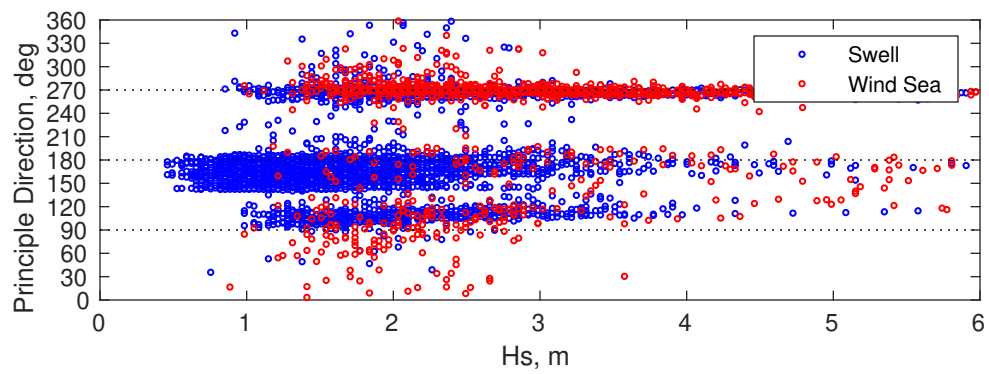
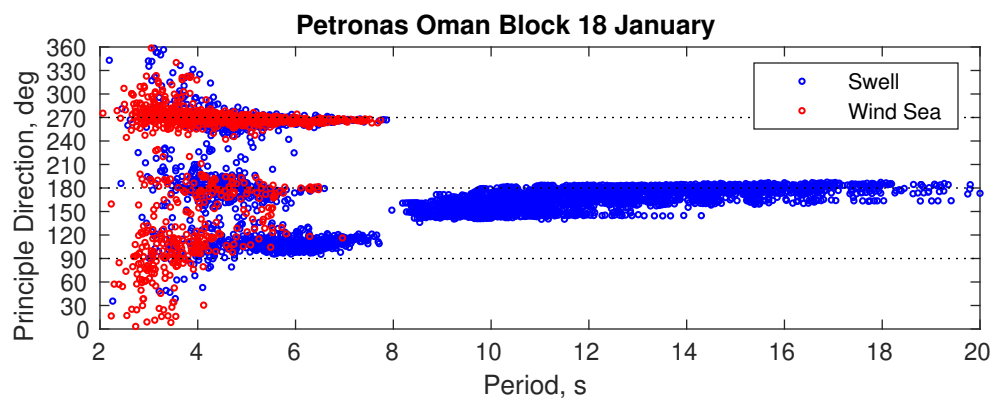
Winds

Mean Speed: 5 - 10 kts
The winds will occasionally reach 20 - 25 kts, but rarely greater.
Principle Direction, from: W

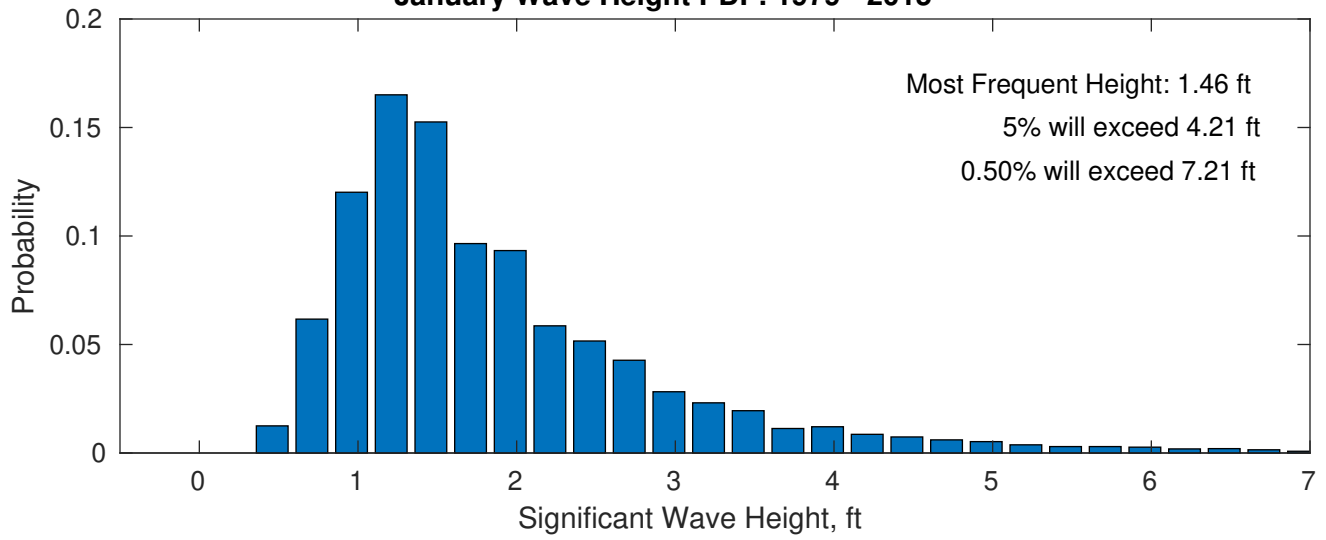
Severe Storms

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

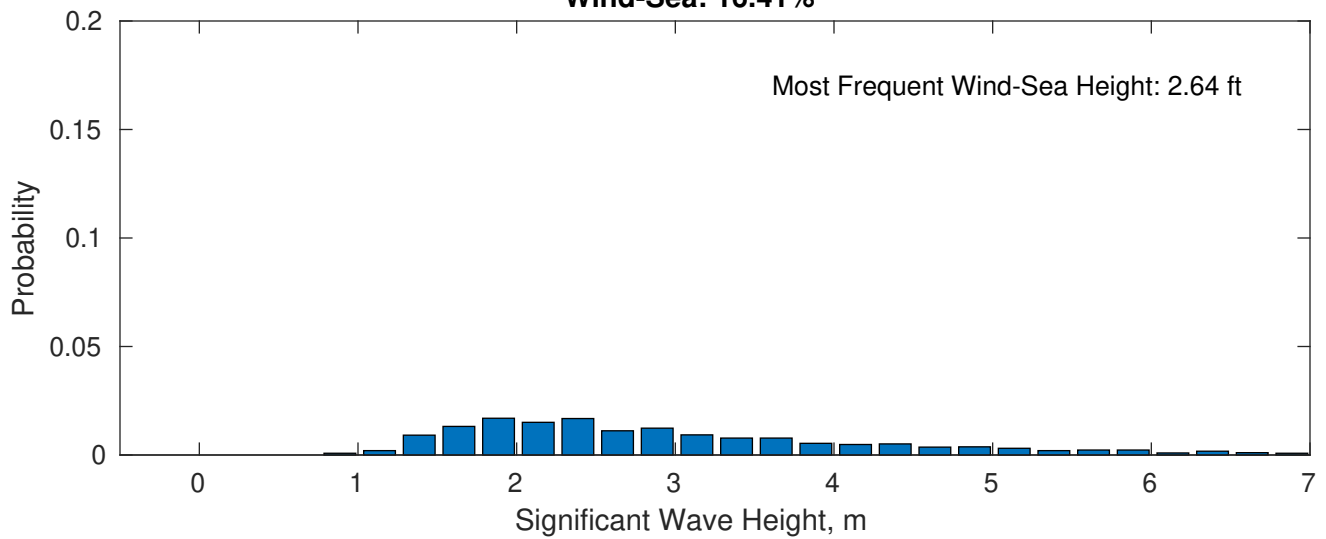




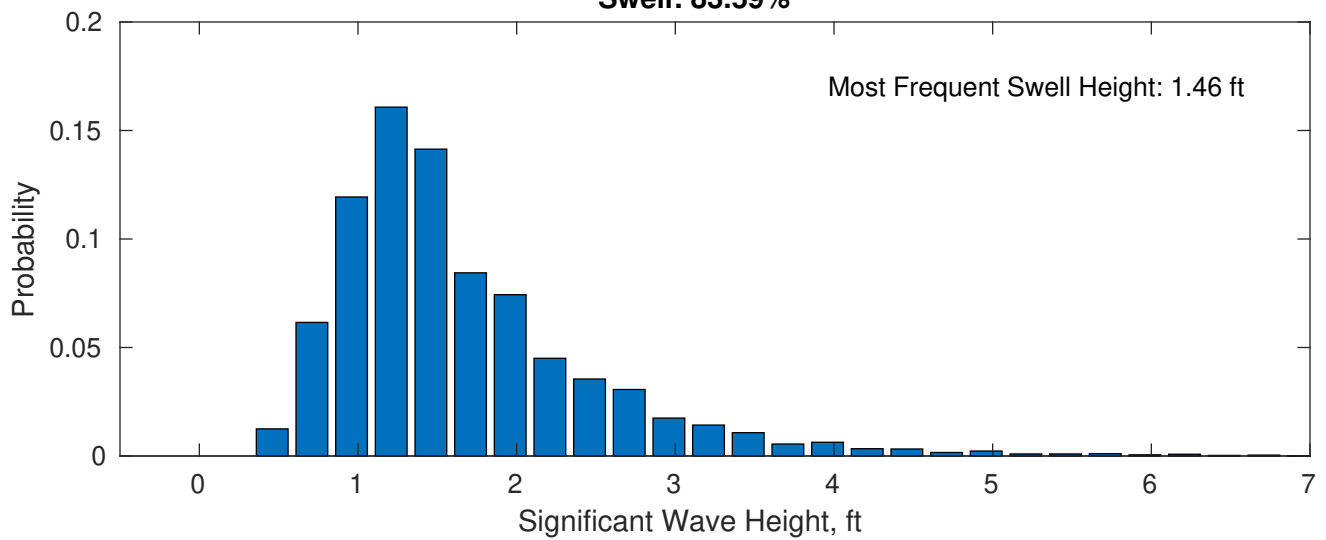
January Wave Height PDF: 1979 - 2015



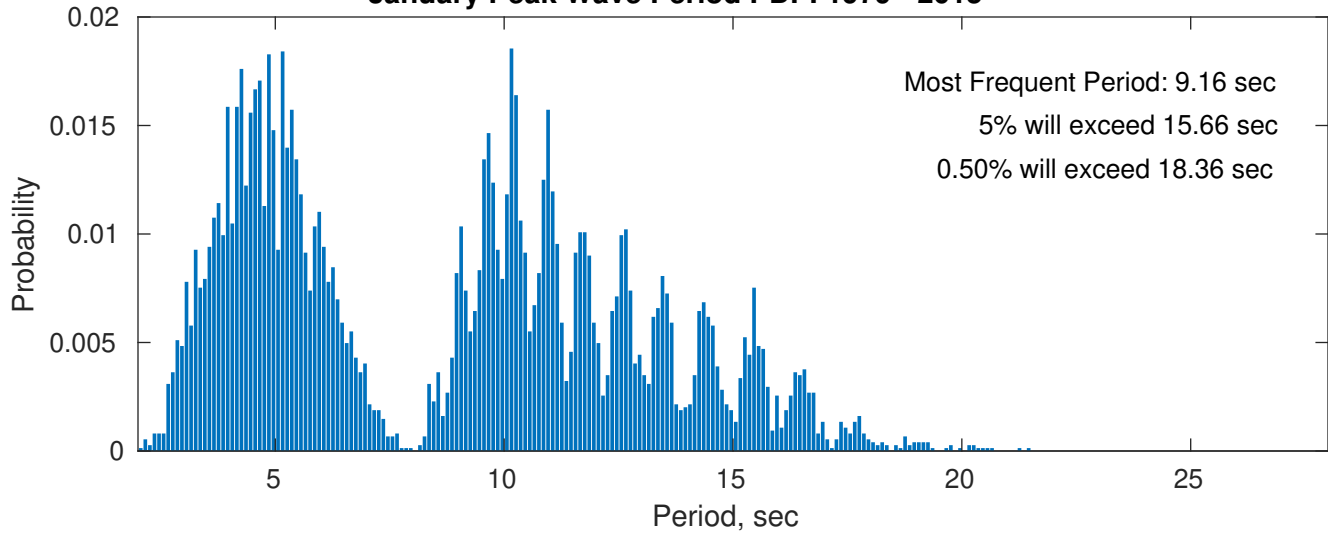
Wind-Sea: 16.41%



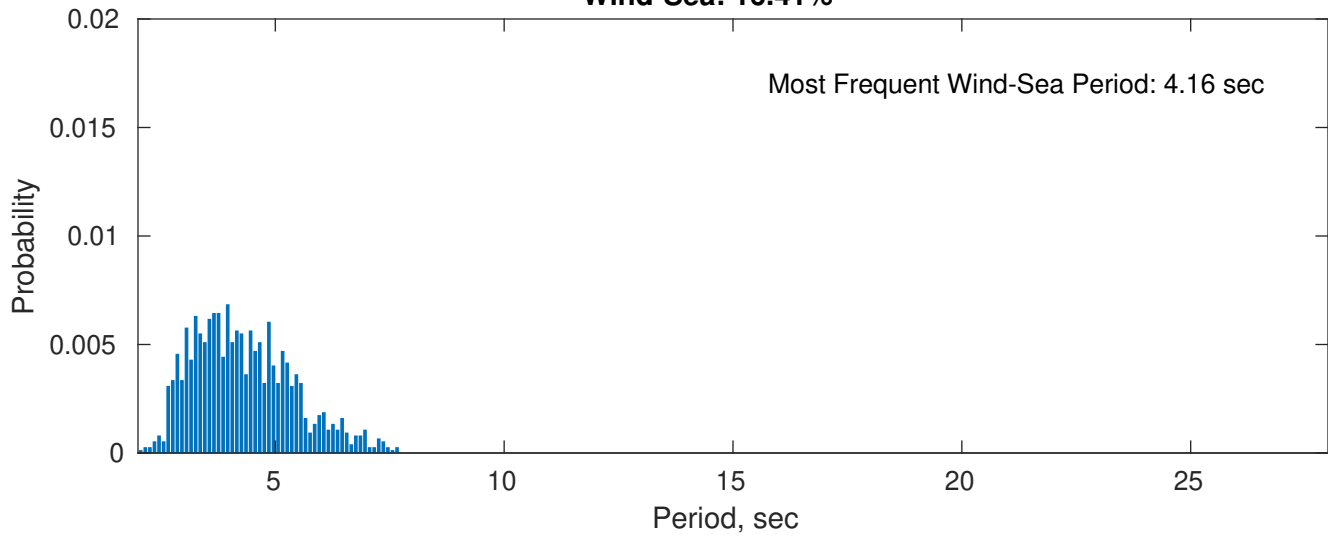
Swell: 83.59%



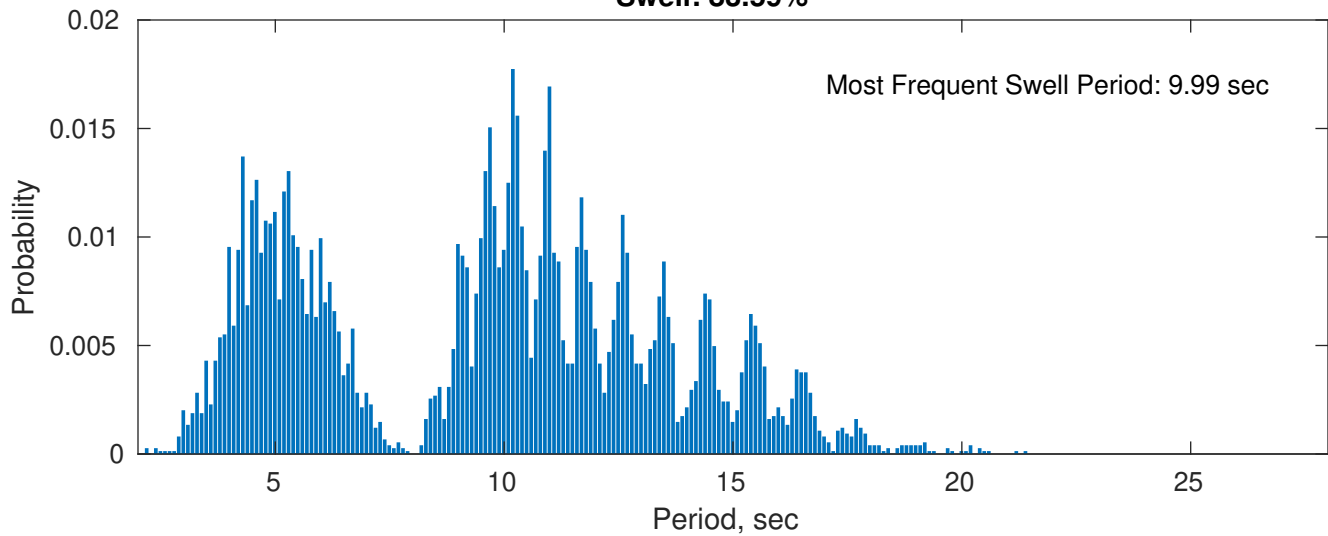
January Peak Wave Period PDF: 1979 - 2015



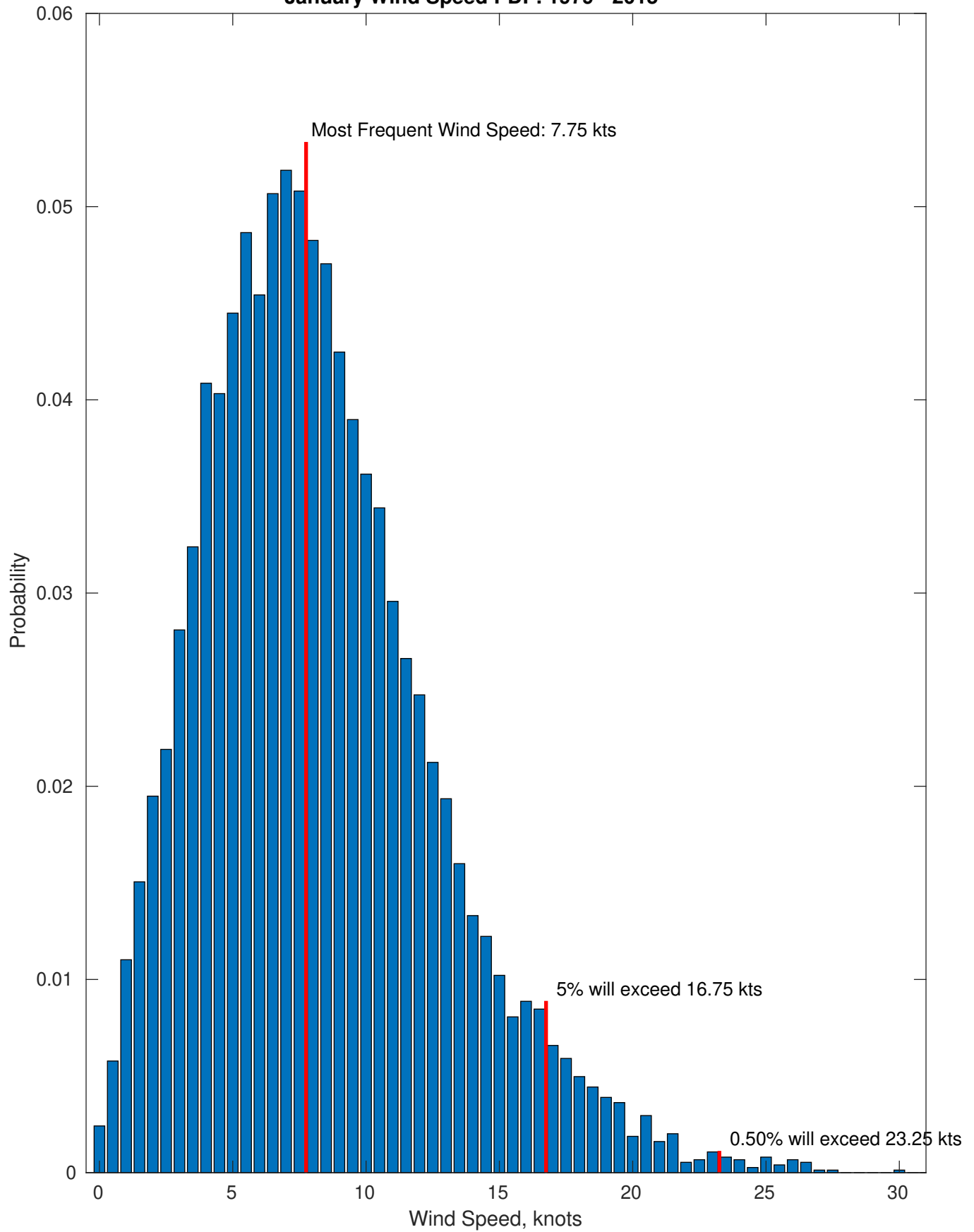
Wind-Sea: 16.41%



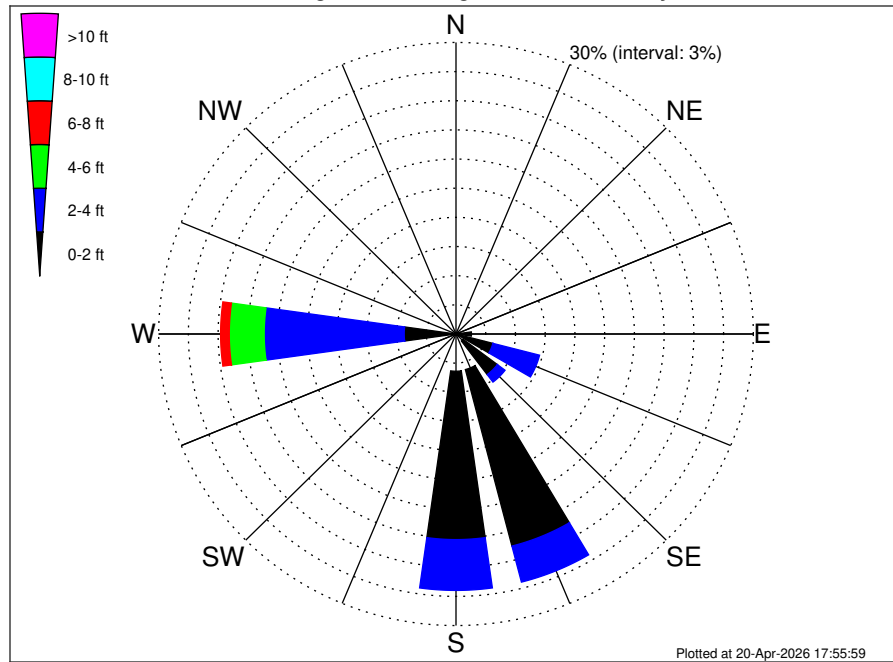
Swell: 83.59%



January Wind Speed PDF: 1979 - 2015



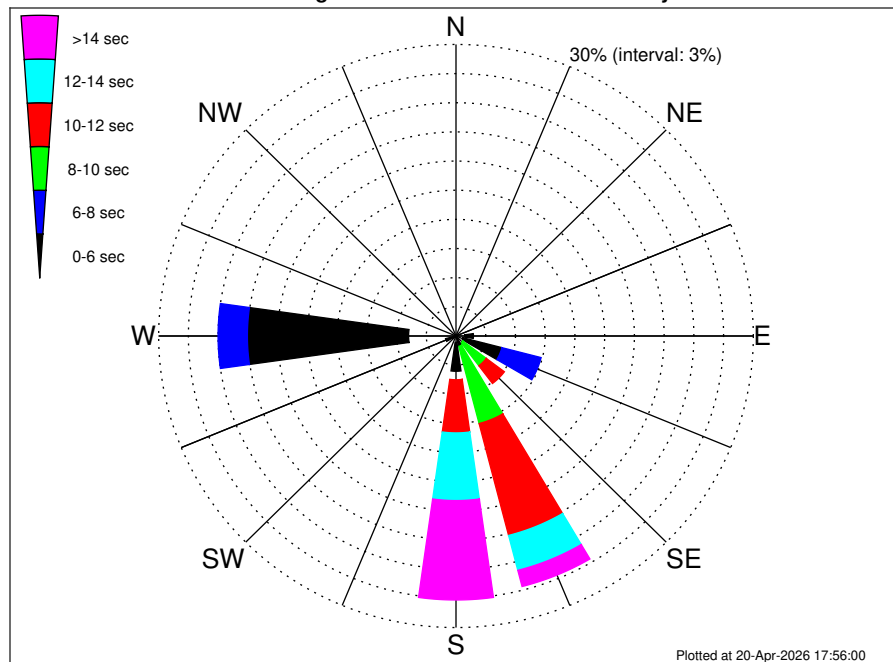
Petronas Oman Block 18 Climatological WaveHeight Rose for January: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	0.01	0.01	•	0.03	0.03	0.90	3.78	3.83	•	0.04	•	0.11	0.01	•	0.01	8.76
1 - 2 ft	0.04	0.05	0.12	0.34	1.53	3.82	4.33	18.76	17.33	0.43	0.09	0.55	5.12	0.60	0.13	0.03	53.28
2 - 4 ft	0.08	0.11	0.07	0.08	0.69	4.87	0.97	3.83	5.23	0.50	0.15	0.46	14.13	0.38	0.22	0.07	31.80
4 - 6 ft	•	•	•	•	•	0.16	0.15	0.26	0.54	0.04	•	0.11	3.52	•	•	•	4.77
6 - 8 ft	•	•	•	•	•	•	•	•	0.24	•	•	0.01	0.87	•	•	•	1.13
8 - 10 ft	•	•	•	•	•	•	•	•	•	•	•	•	0.26	•	•	•	0.26
10 - 12 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12 - 14 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.12	0.17	0.20	0.42	2.24	8.87	6.34	26.63	27.16	0.97	0.28	1.13	24.01	0.99	0.35	0.11	100.00

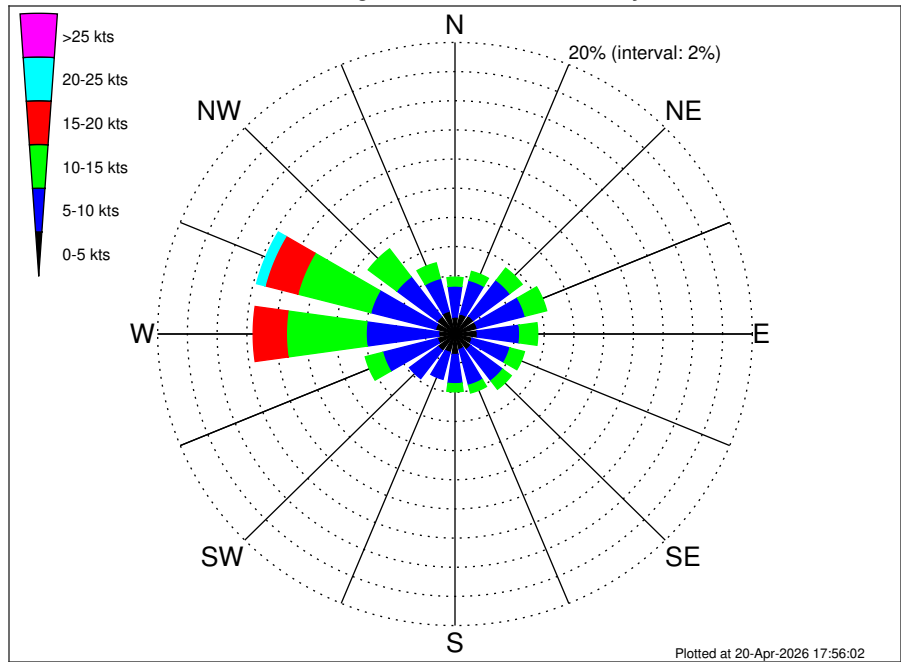
Petronas Oman Block 18 Climatological WavePeriod Rose for January: 1979 - 2015



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	0.12	0.16	0.19	0.40	0.89	0.74	0.26	0.24	0.66	0.38	0.15	0.34	4.78	0.83	0.32	0.11	10.56
4 - 6 sec	•	0.01	0.01	0.01	0.87	4.05	0.52	0.85	2.97	0.59	0.13	0.75	16.26	0.16	0.03	•	27.23
6 - 8 sec	•	•	•	•	0.48	4.09	0.08	0.01	0.26	•	•	0.04	2.96	•	•	•	7.92
8 - 10 sec	•	•	•	•	•	•	2.97	8.20	0.62	•	•	•	•	•	•	•	11.79
10 - 12 sec	•	•	•	•	•	•	2.28	11.90	5.47	•	•	•	•	•	•	•	19.65
12 - 14 sec	•	•	•	•	•	•	0.22	3.71	6.96	•	•	•	•	•	•	•	10.89
14 - 16 sec	•	•	•	•	•	•	0.01	1.28	6.65	•	•	•	•	•	•	•	7.94
18 - 20 sec	•	•	•	•	•	•	•	0.35	3.02	•	•	•	•	•	•	•	3.37
22 - 24 sec	•	•	•	•	•	•	•	0.09	0.55	•	•	•	•	•	•	•	0.65
Total	0.12	0.17	0.20	0.42	2.24	8.87	6.34	26.63	27.16	0.97	0.28	1.13	24.01	0.99	0.35	0.11	100.00

Petronas Oman Block 18 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	0.09	0.05	0.01	0.04	0.05	0.03	0.08	0.07	0.03	0.05	0.03	0.07	0.08	0.07	0.82
0 - 5 kts	1.13	1.40	1.45	1.49	1.49	1.16	1.26	1.08	1.33	1.24	1.40	1.17	1.08	1.29	1.41	1.55	20.91
5 - 10 kts	2.12	2.38	3.08	3.33	2.85	2.62	2.70	2.53	2.00	1.91	2.41	3.80	4.88	4.50	3.43	2.33	46.87
10 - 15 kts	0.60	0.63	1.03	1.49	1.21	1.01	0.73	0.55	0.55	0.19	0.23	1.21	5.36	5.07	2.39	1.10	23.36
15 - 20 kts	0.11	0.07	0.03	0.05	0.07	0.11	0.17	0.23	0.13	0.08	0.01	0.12	2.23	2.27	0.47	0.35	6.51
20 - 25 kts	.	0.01	.	.	.	.	.	0.01	0.09	0.03	.	0.01	0.44	0.59	0.05	.	1.25
25 - 30 kts	.	.	.	.	.	.	.	.	0.03	.	.	.	0.13	0.11	.	.	0.27
30 - 35 kts	.	.	.	.	.	.	.	.	.	.	.	.	0.01	.	.	.	0.01
35 - 40 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
40 - 45 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
45 - 50 kts	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total	4.01	4.52	5.69	6.42	5.63	4.93	4.92	4.42	4.22	3.51	4.07	6.37	14.17	13.90	7.84	5.39	100.00