

Petronas Oman Block 18 - December

Latitude: 25.00 N Longitude: 60.50 E

Weather Days

Wave Height > 4.0 ft Mean: 0.8 days Range: 0.0 - 1.8 days p50:2 days p75:0.5 days p90:0.5 days
Wave Height > 5.0 ft Mean: 0.4 days Range: 0.0 - 0.9 days p50:30 days p75:1.5 days p90:0.5 days
Wave Height > 6.0 ft Mean: 0.1 days Range: 0.0 - 0.4 days p50:30 days p75:30 days p90:1 days

Wind Speed > 15.0 knots Mean: 1.2 days Range: 0.2 - 2.2 days p50:1 days p75:0.5 days p90:0.5 days
Wind Speed > 20.0 knots Mean: 0.2 days Range: 0.0 - 0.5 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 < 4.0 ft	A 1 day or longer window will statistically occur 1.7 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 1.5 times per month
Wave Height < 5.0 ft	A 1 day or longer window will statistically occur 1.4 times per month A 2 day or longer window will statistically occur 1.3 times per month A 3 day or longer window will statistically occur 1.3 times per month
Wave Height < 6.0 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

Waves

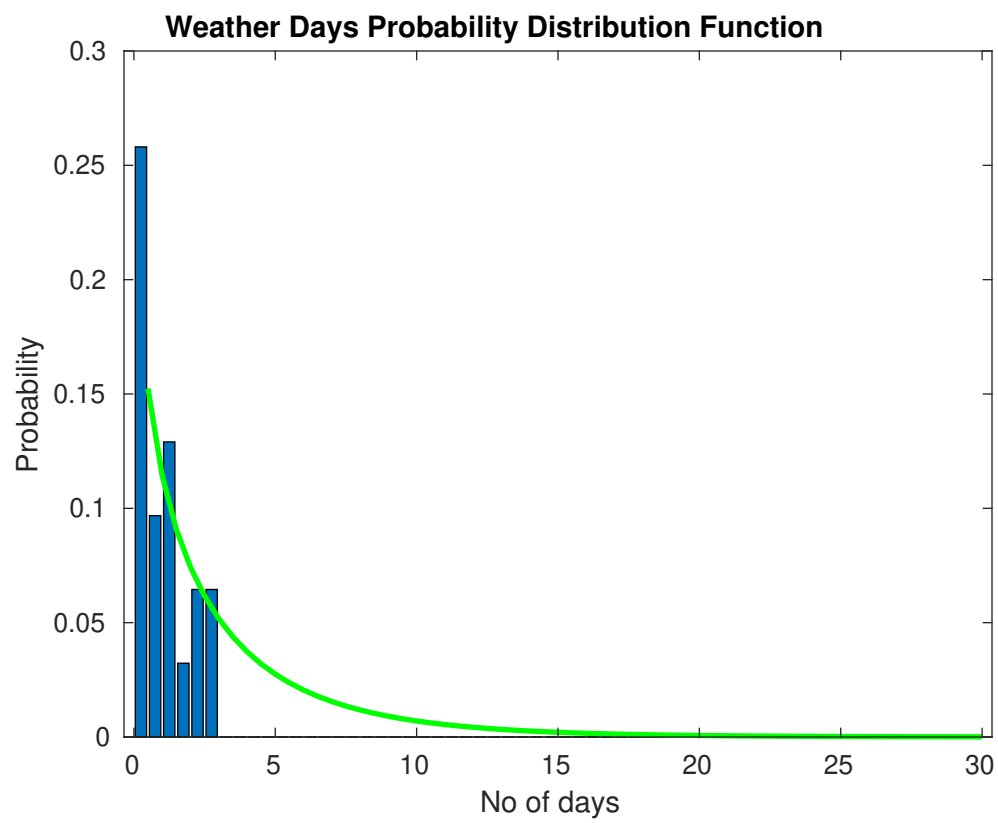
Mean Height: 1 - 2 ft
The wave heights will occasionally reach 4 - 6 ft, but rarely higher.
Mean Period: 8 - 10 sec
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.
Principle Direction, from: SSE
WindSea/Swell: 10% / 90%

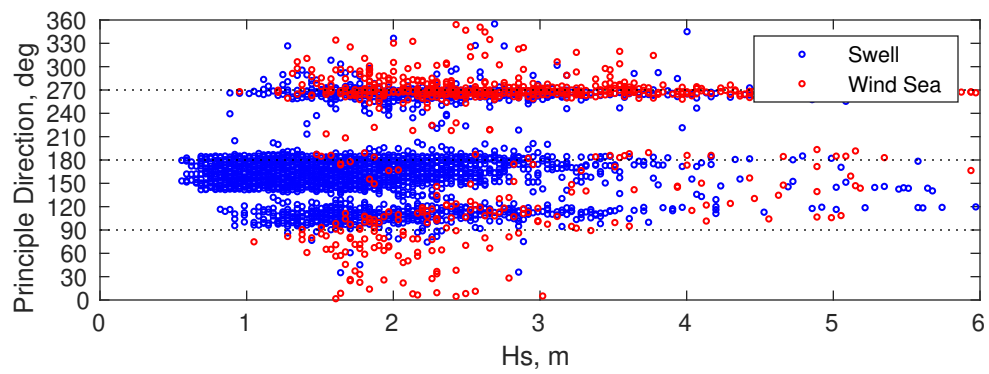
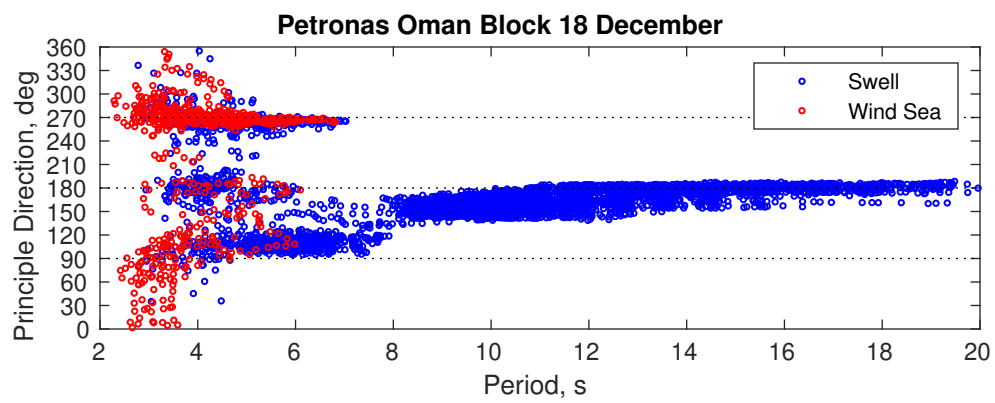
Winds

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

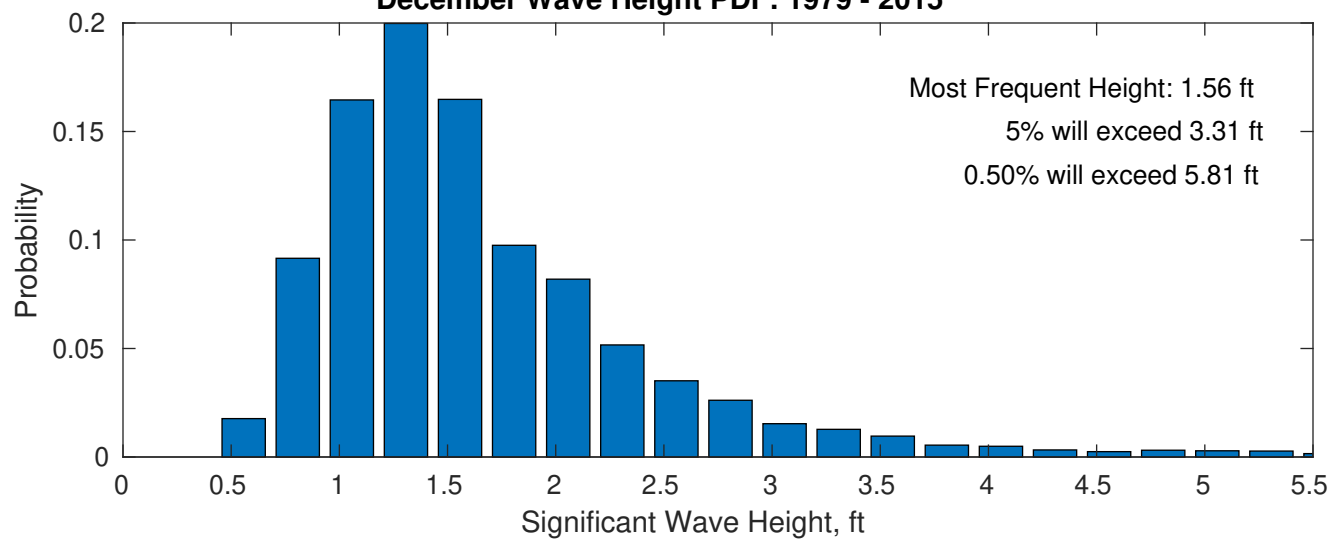
Severe Storms

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

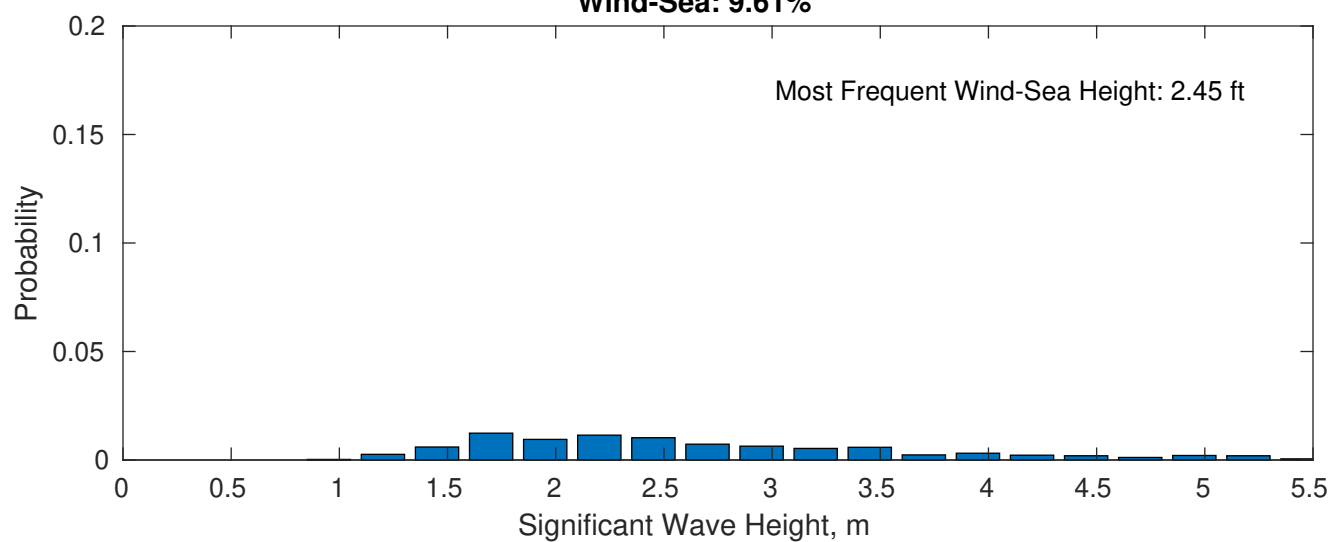




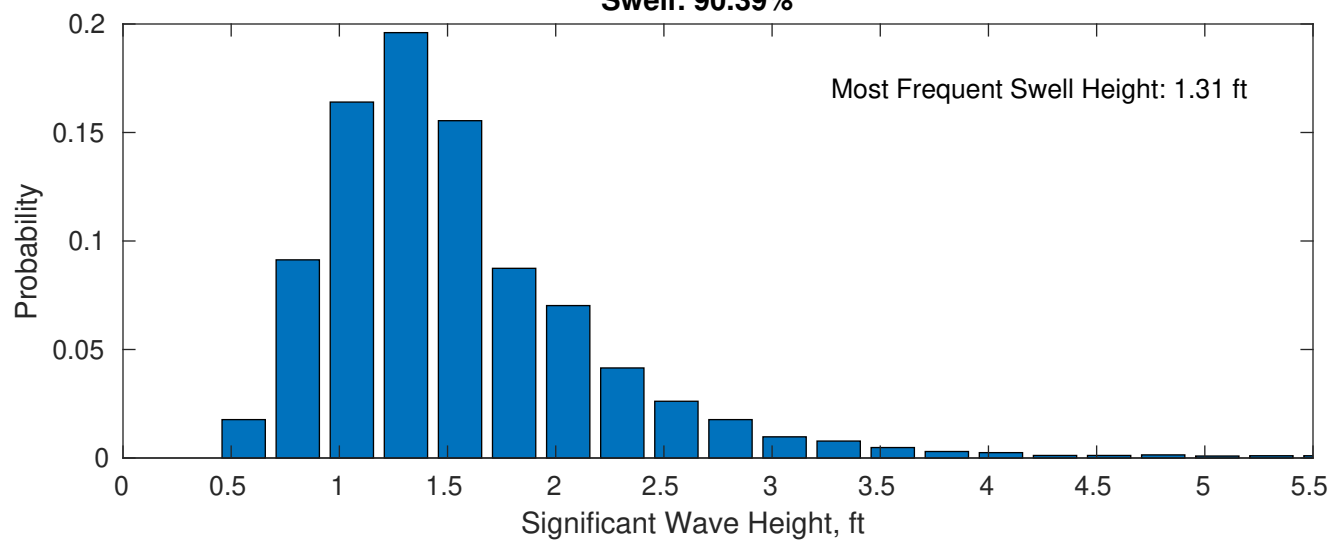
December Wave Height PDF: 1979 - 2015



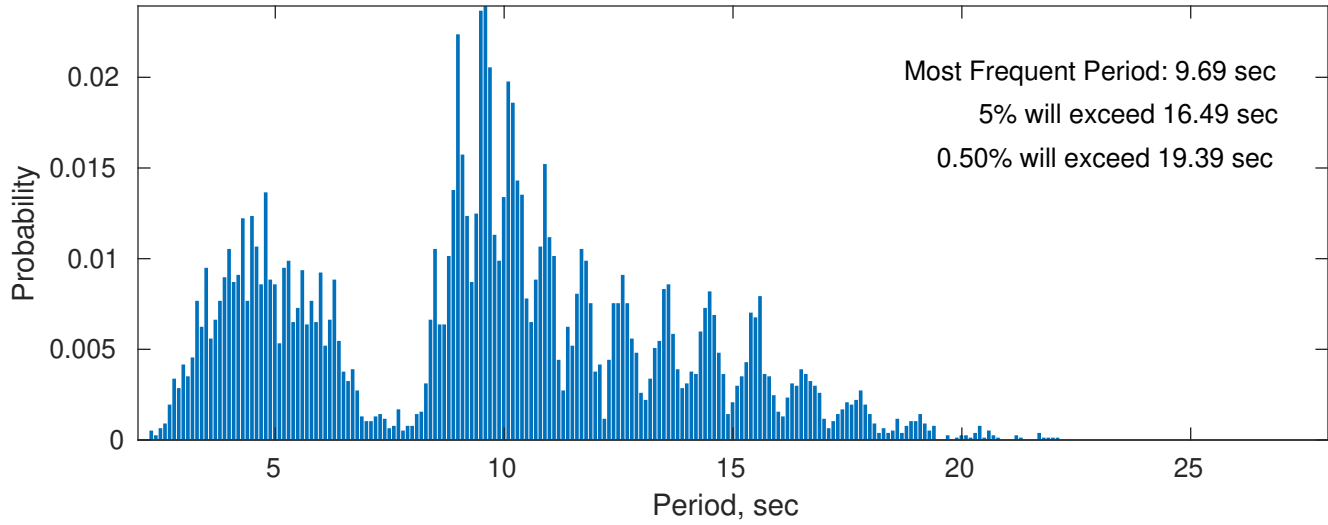
Wind-Sea: 9.61%



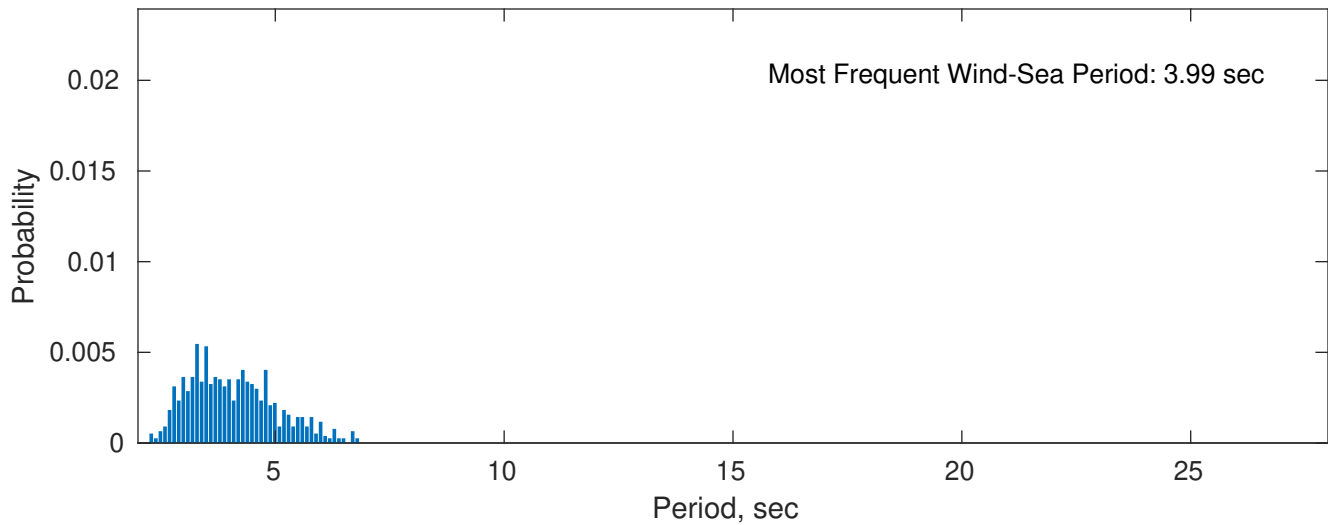
Swell: 90.39%



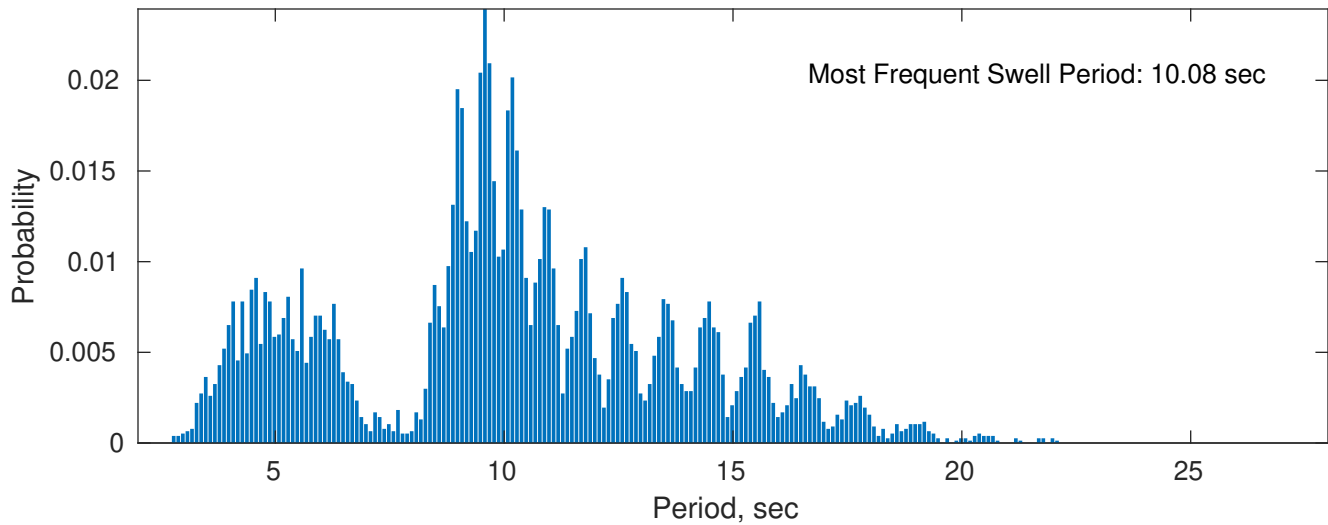
December Peak Wave Period PDF: 1979 - 2015



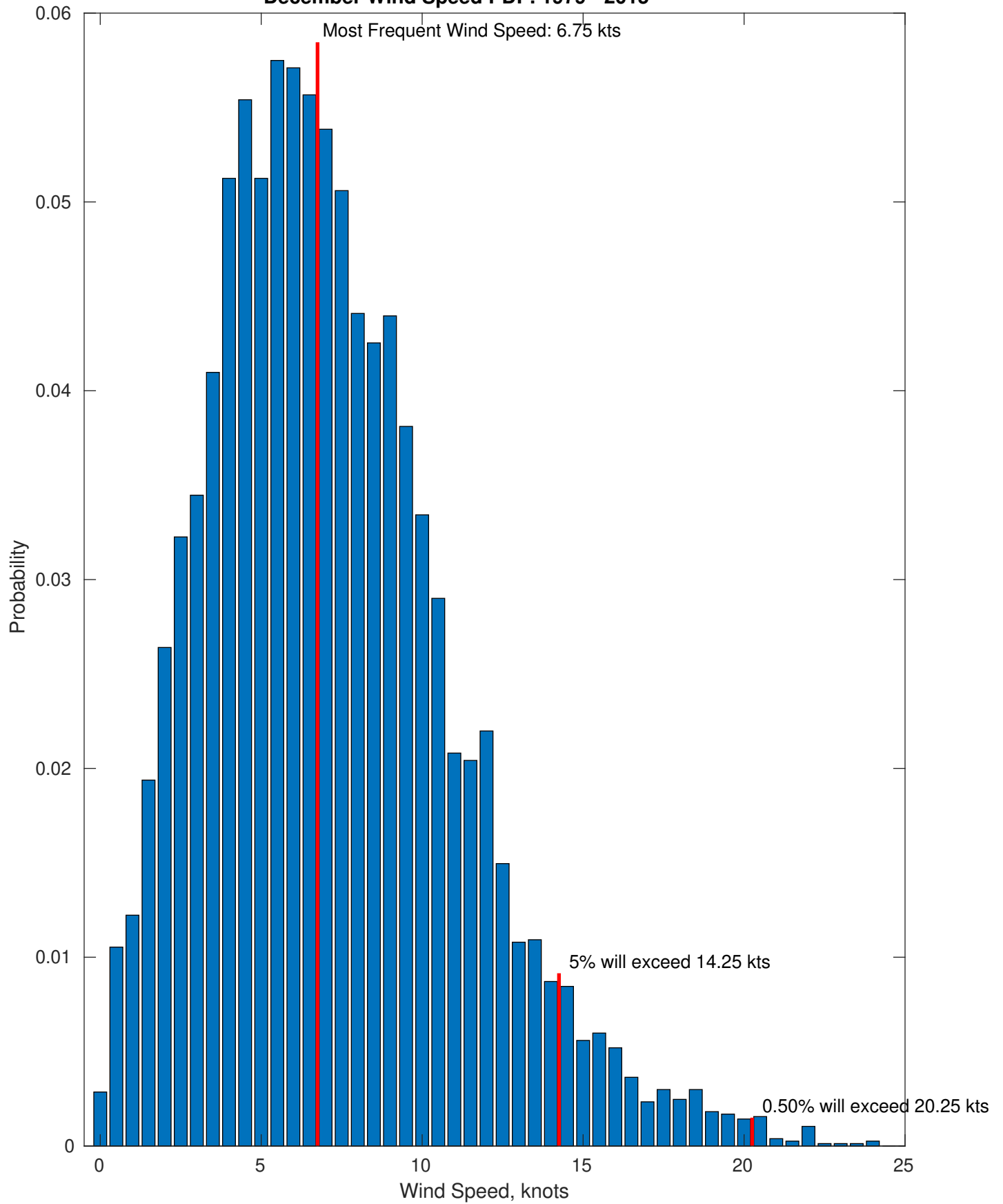
Wind-Sea: 9.61%



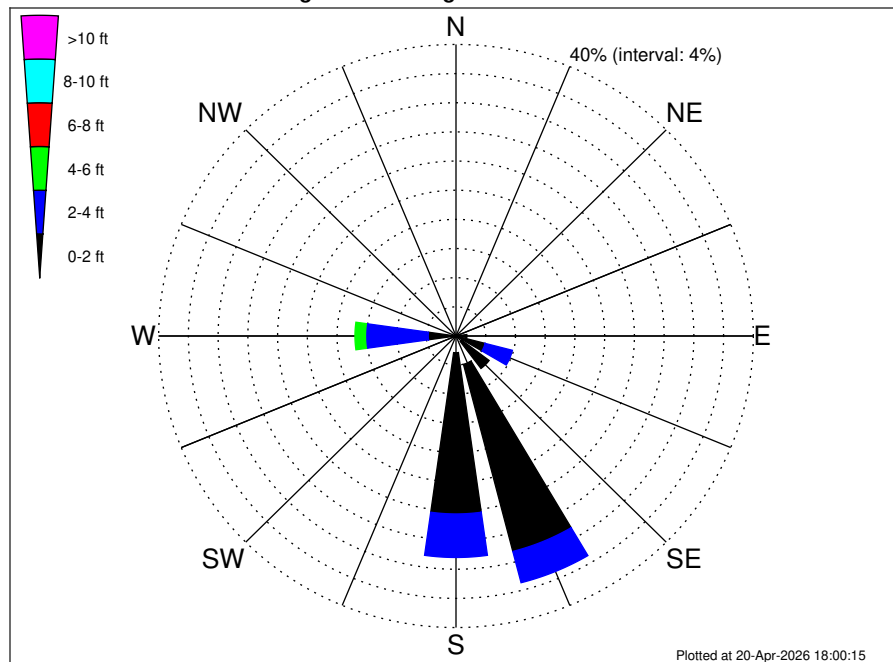
Swell: 90.39%



December Wind Speed PDF: 1979 - 2015



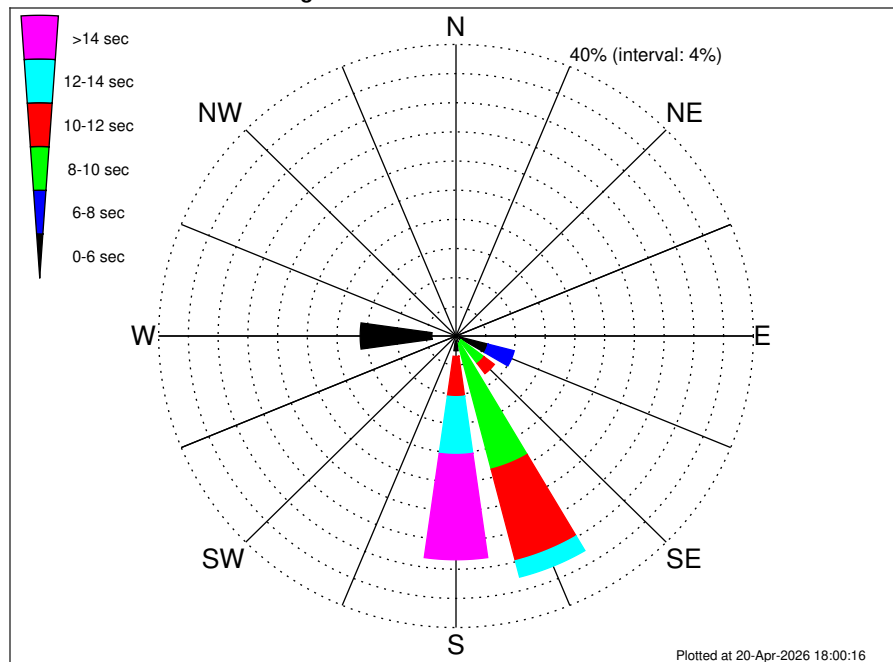
Petronas Oman Block 18 Climatological WaveHeight Rose for December: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	•	•	•	•	0.04	0.12	0.92	4.01	2.30	0.01	•	0.01	0.05	•	•	•	7.47
1 - 2 ft	0.03	0.08	0.05	0.27	1.43	3.93	4.66	26.52	22.11	0.12	0.03	0.35	3.68	0.48	0.07	0.03	63.83
2 - 4 ft	0.12	0.07	0.07	0.17	0.48	3.80	0.69	4.44	5.97	0.21	0.17	0.61	8.44	0.46	0.14	0.10	25.92
4 - 6 ft	•	•	•	•	•	0.25	0.22	0.14	0.25	0.03	•	0.04	1.42	•	•	0.01	2.35
6 - 8 ft	•	•	•	•	•	•	0.08	•	0.07	•	•	•	0.25	•	•	•	0.39
8 - 10 ft	•	•	•	•	•	•	0.04	•	•	•	•	•	•	•	•	•	0.04
10 - 12 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12 - 14 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14 - 16 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16 - 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
> 18 ft	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	0.14	0.14	0.12	0.44	1.95	8.09	6.61	35.11	30.70	0.36	0.20	1.01	13.84	0.94	0.21	0.14	100.00

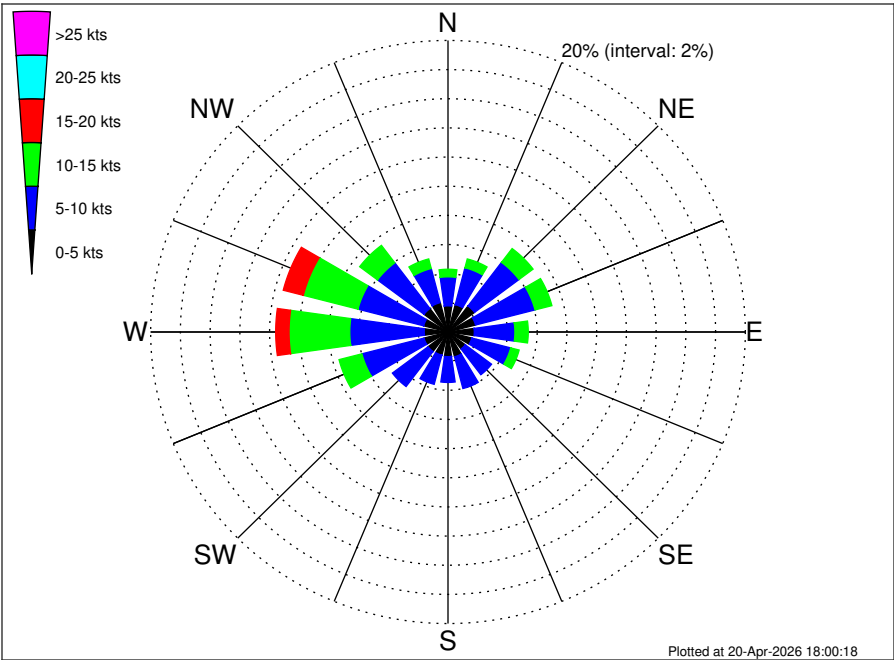
Petronas Oman Block 18 Climatological WavePeriod Rose for December: 1979 - 2015



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	0.13	0.14	0.10	0.42	0.57	0.55	0.09	0.17	0.70	0.09	0.10	0.30	3.25	0.75	0.13	0.13	7.64
4 - 6 sec	0.01	•	0.01	0.03	0.90	3.90	0.39	0.55	1.33	0.27	0.09	0.69	9.64	0.18	0.08	0.01	18.08
6 - 8 sec	•	•	•	•	0.48	3.64	0.38	0.31	0.03	•	•	0.03	0.95	•	•	•	5.81
8 - 10 sec	•	•	•	•	•	•	3.86	17.85	0.74	•	•	•	•	•	•	•	22.45
10 - 12 sec	•	•	•	•	•	•	1.74	12.98	5.53	•	•	•	•	•	•	•	20.25
12 - 14 sec	•	•	•	•	•	•	0.14	2.32	7.93	•	•	•	•	•	•	•	10.39
14 - 16 sec	•	•	•	•	•	•	•	0.74	8.49	•	•	•	•	•	•	•	9.24
18 - 20 sec	•	•	•	•	•	•	•	0.10	4.36	•	•	•	•	•	•	•	4.46
22 - 24 sec	•	•	•	•	•	•	•	0.09	1.59	•	•	•	•	•	•	•	1.68
Total	0.14	0.14	0.12	0.44	1.95	8.09	6.61	35.11	30.70	0.36	0.20	1.01	13.84	0.94	0.21	0.14	100.00

Petronas Oman Block 18 Climatological Wind Rose for December: 1979 - 2015



Joint Frequency Distribution Table

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Total
calm	0.05	0.10	0.14	0.14	0.09	0.07	0.10	0.04	0.10	0.08	0.07	0.05	0.03	0.05	0.09	0.13	1.34
0 - 5 kts	1.74	1.83	2.09	1.77	1.68	1.59	1.35	1.72	1.59	1.56	1.61	1.61	1.57	1.64	1.93	1.95	27.24
5 - 10 kts	1.99	2.61	3.75	4.14	2.73	2.71	2.21	2.25	1.77	2.07	3.00	4.32	5.01	4.57	3.93	2.42	49.47
10 - 15 kts	0.52	0.62	1.18	1.17	0.90	0.59	0.46	0.29	0.22	0.09	0.27	1.59	4.08	3.80	1.50	0.68	17.95
15 - 20 kts	0.05	0.05	0.12	0.13	0.07	•	0.04	0.08	0.05	0.07	0.05	0.04	0.90	1.39	0.22	0.22	3.47
20 - 25 kts	0.01	•	•	0.03	•	•	•	0.01	0.05	0.01	•	•	0.14	0.20	0.03	0.05	0.53
25 - 30 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
30 - 35 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
35 - 40 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
40 - 45 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
45 - 50 kts	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Total	4.37	5.23	7.28	7.38	5.46	4.94	4.16	4.38	3.79	3.88	5.01	7.61	11.73	11.64	7.69	5.45	100.00