

# Petronas Oman Block 18 - June

Latitude: 25.00 N Longitude: 60.50 E

## Weather Days

Wave Height > 4.0 ft Mean: 19.9 days Range: 15.4 - 24.4 days p50:19.5 days p75:16.5 days p90:14.5 days  
Wave Height > 5.0 ft Mean: 12.2 days Range: 7.5 - 16.9 days p50:11.5 days p75:10 days p90:7 days  
Wave Height > 6.0 ft Mean: 4.8 days Range: 1.4 - 8.3 days p50:5 days p75:2 days p90:1 days  
  
Wind Speed > 15.0 knots Mean: 2.9 days Range: 0.7 - 5.2 days p50:2.5 days p75:2 days p90:1.5 days  
Wind Speed > 20.0 knots Mean: 0.4 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: 0.0 days Range: 0.0 - 0.2 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 1.2 times per month<br>A 2 day or longer window will statistically occur 0.7 times per month<br>A 3 day or longer window will statistically occur 0.4 times per month |
| Wave Height < 5.0 ft | A 1 day or longer window will statistically occur 1.9 times per month<br>A 2 day or longer window will statistically occur 1.6 times per month<br>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 2.4 times per month<br>A 2 day or longer window will statistically occur 1.8 times per month<br>A 3 day or longer window will statistically occur 1.6 times per month |

## Waves

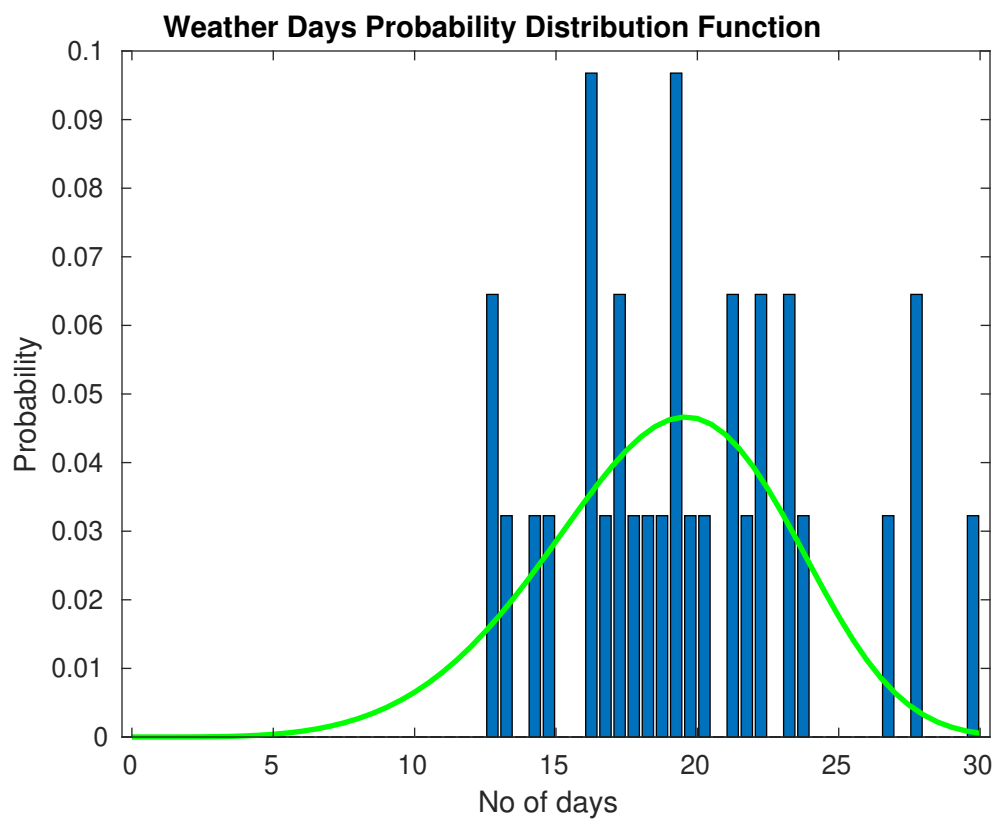
Mean Height: 4 - 6 ft  
The wave heights will occasionally reach 8 - 10 ft, but rarely higher.  
Mean Period: 10 - 12 sec  
The wave periods will occasionally reach 22 - 24 sec, but rarely longer.  
Principle Direction, from: S  
WindSea/Swell: 1% / 99%

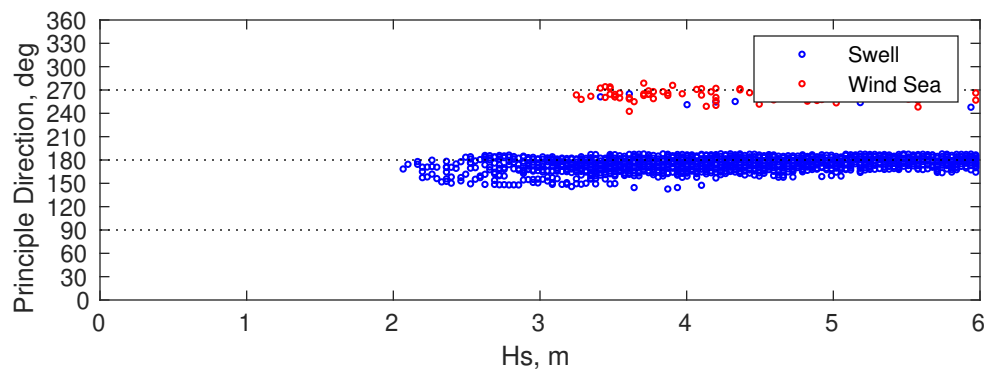
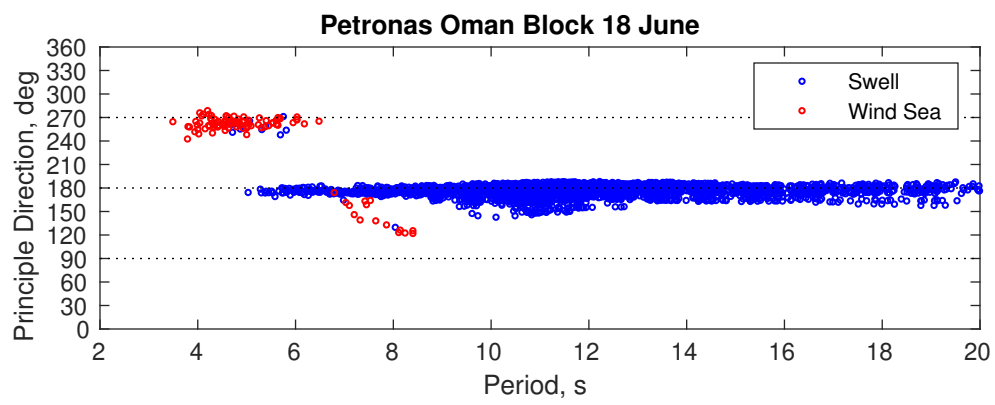
## Winds

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

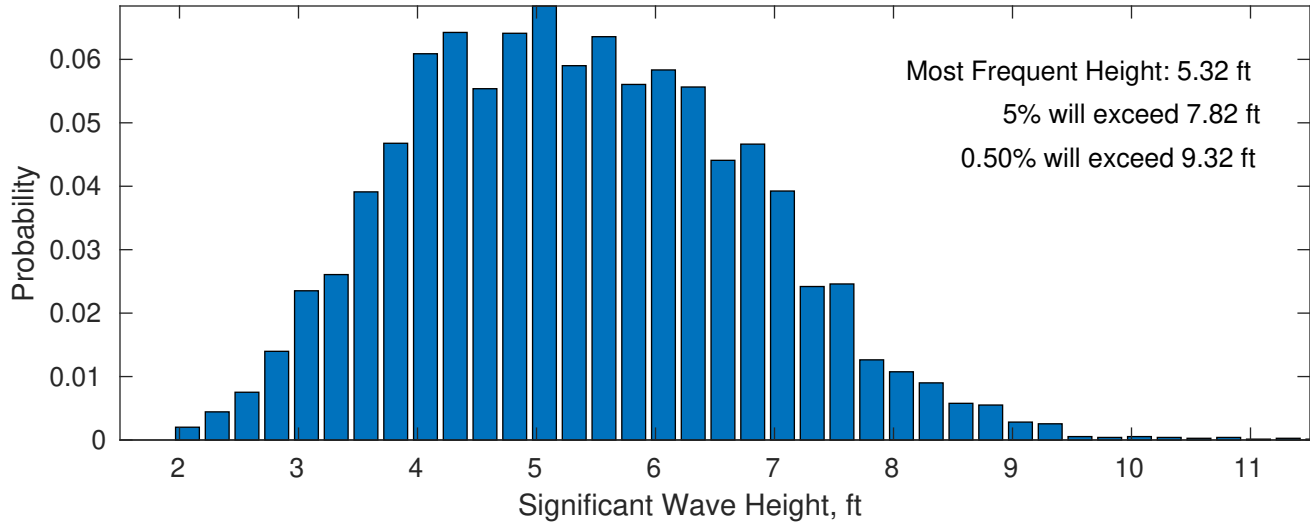
## Severe Storms

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

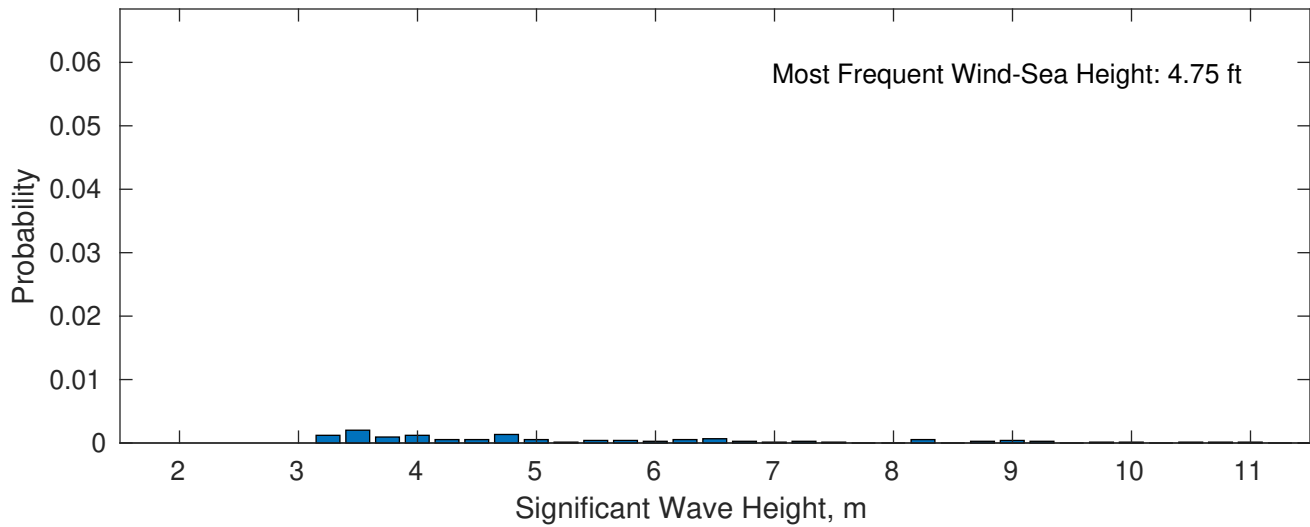




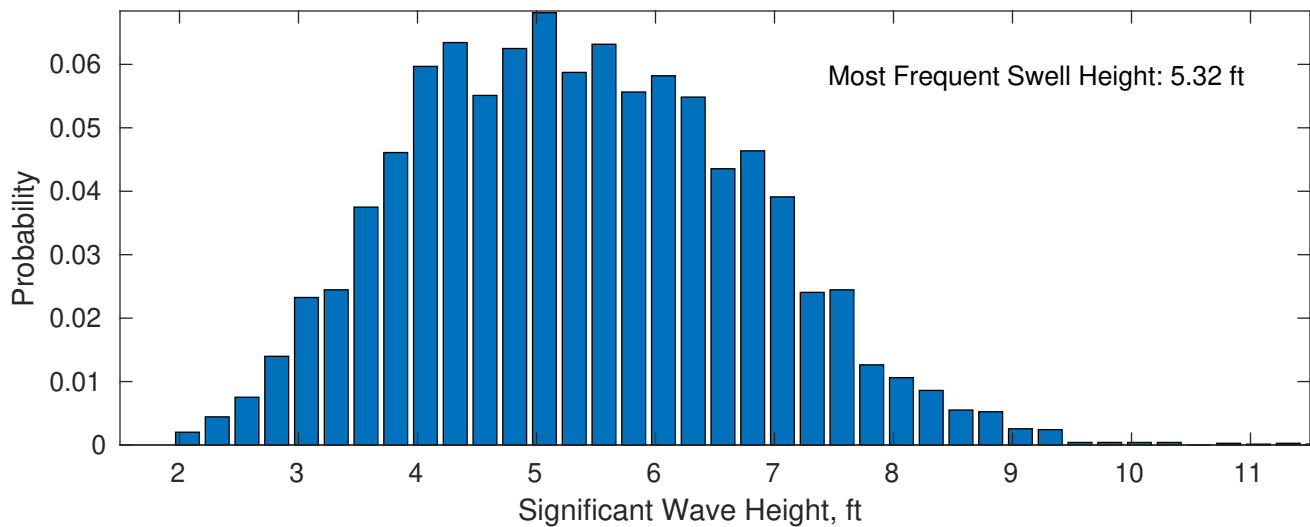
**June Wave Height PDF: 1979 - 2015**



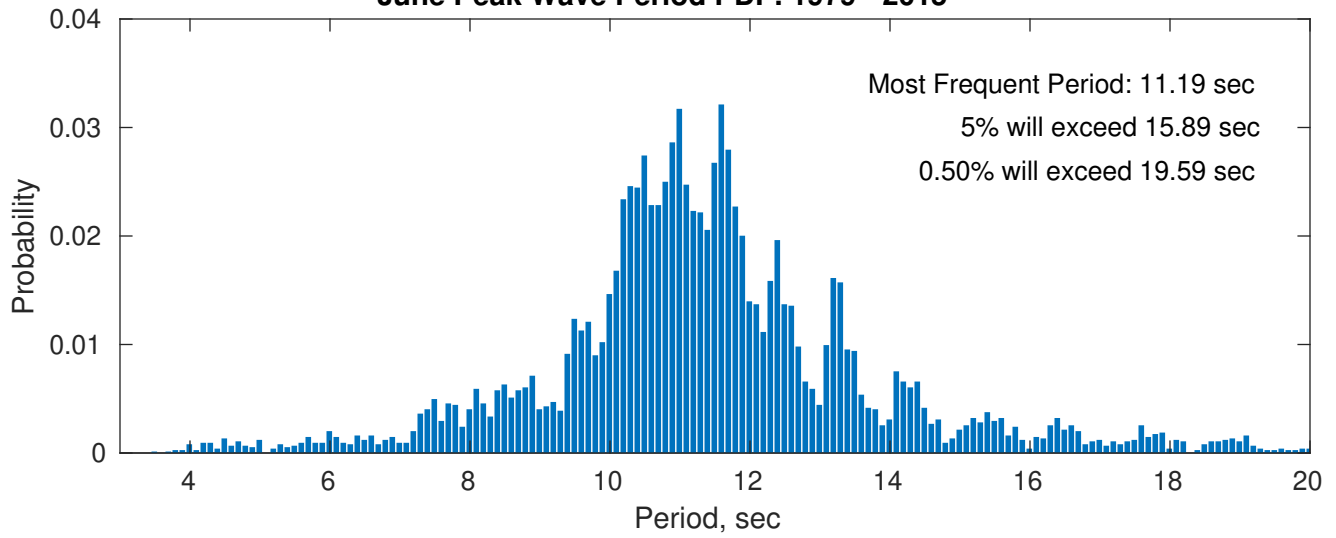
**Wind-Sea: 1.37%**



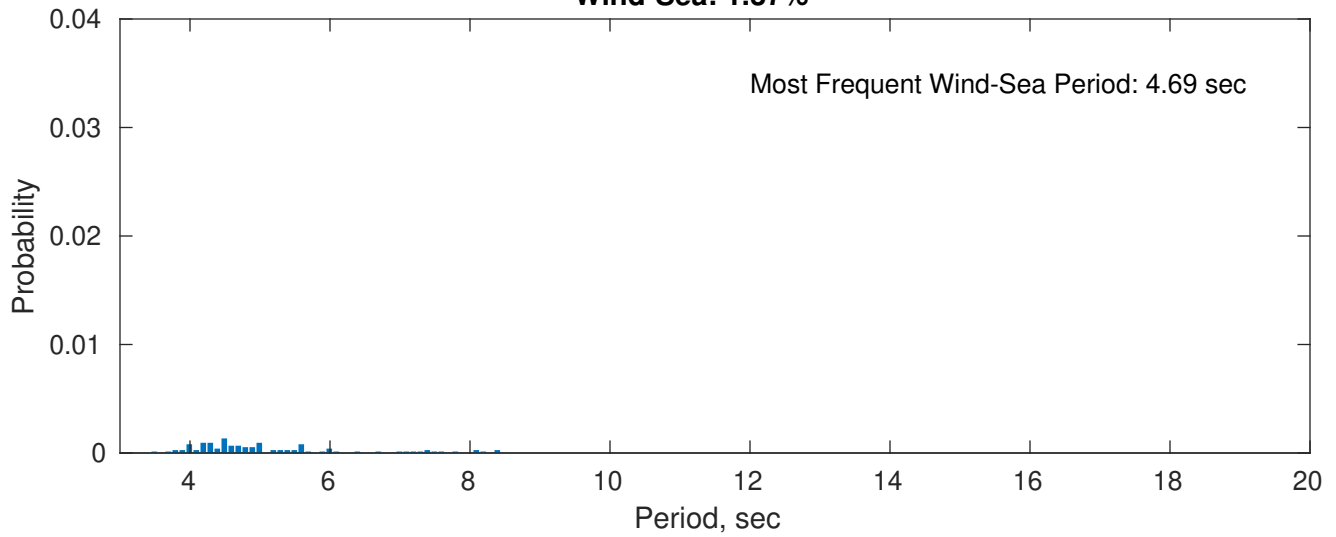
**Swell: 98.63%**



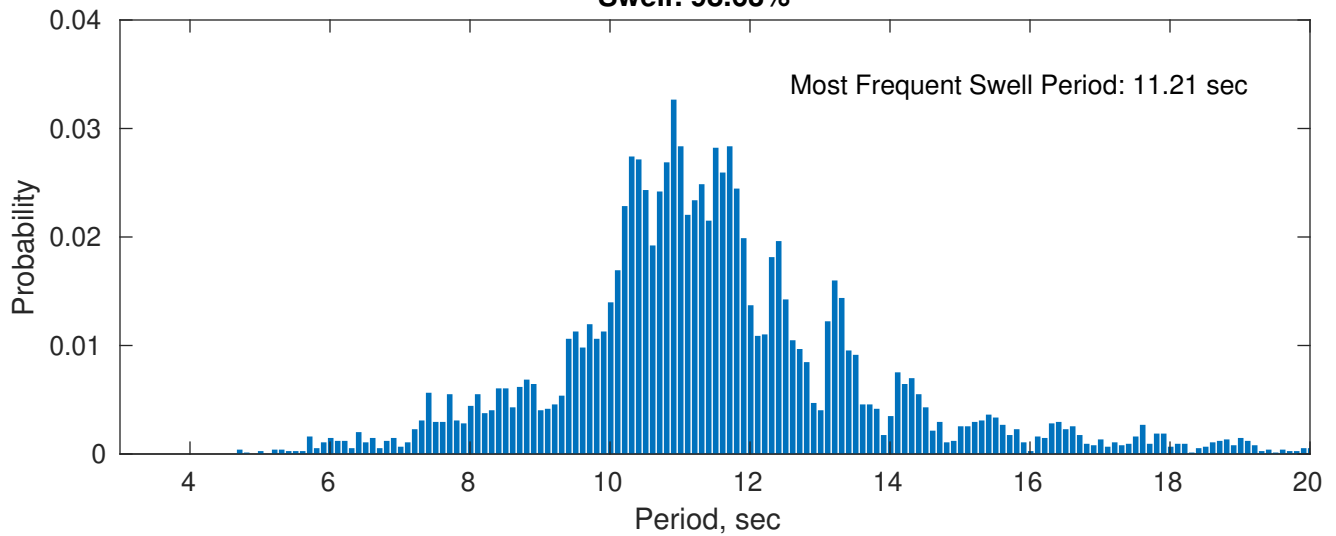
**June Peak Wave Period PDF: 1979 - 2015**



**Wind-Sea: 1.37%**

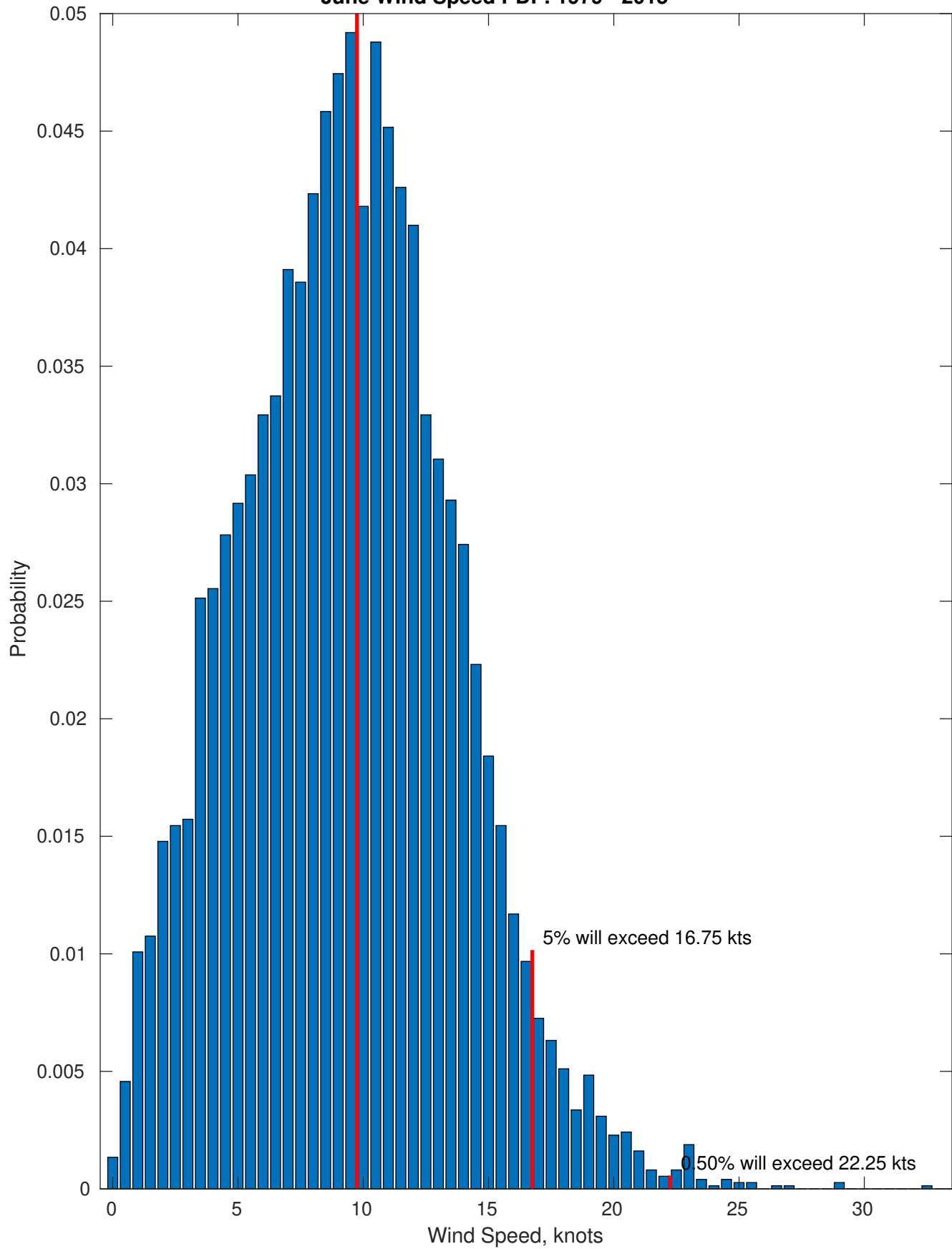


**Swell: 98.63%**

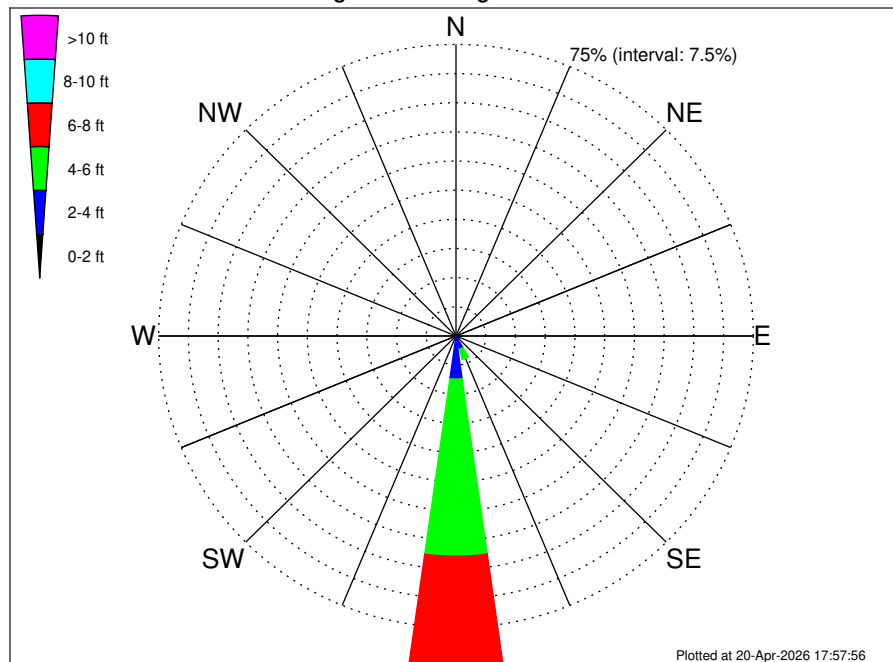


Most Frequent Wind Speed: 9.75 kts

### June Wind Speed PDF: 1979 - 2015



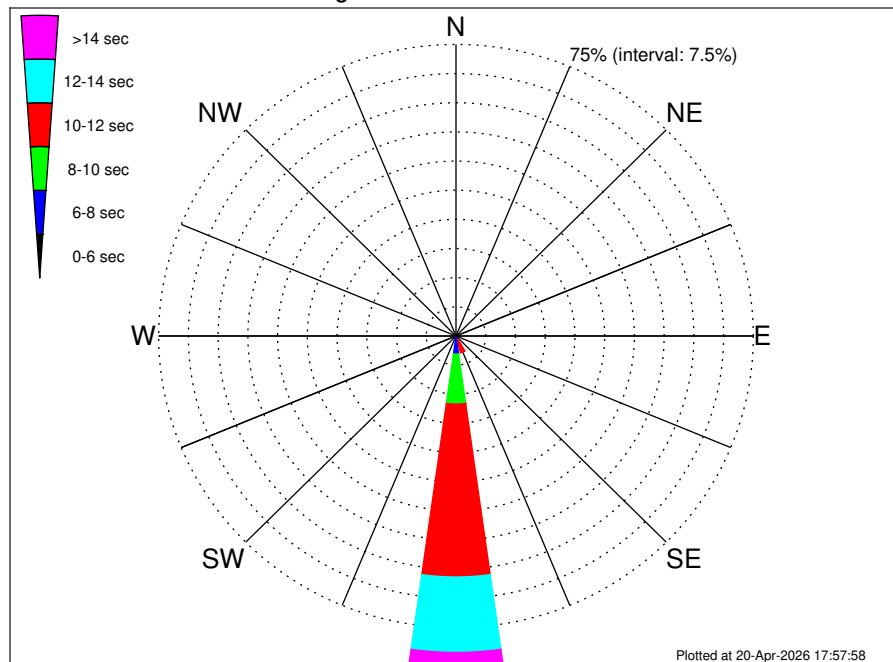
Petronas Oman Block 18 Climatological WaveHeight Rose for June: 1979 - 2015



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   | . | .   | .  | .   | . | .    | 0.05 | 3.51 | 11.09 | .   | .  | 0.05 | 0.39 | .   | .  | .   | 15.09  |
| 4 - 6 ft   | . | .   | .  | .   | . | .    | .    | 2.73 | 45.56 | .   | .  | 0.28 | 0.34 | .   | .  | .   | 48.91  |
| 6 - 8 ft   | . | .   | .  | .   | . | .    | .    | 0.47 | 31.12 | .   | .  | .    | 0.22 | .   | .  | .   | 31.80  |
| 8 - 10 ft  | . | .   | .  | .   | . | 0.01 | 0.09 | 0.04 | 3.80  | .   | .  | .    | 0.03 | .   | .  | .   | 3.98   |
| 10 - 12 ft | . | .   | .  | .   | . | 0.03 | .    | 0.03 | 0.16  | .   | .  | .    | .    | .   | .  | .   | 0.22   |
| 12 - 14 ft | . | .   | .  | .   | . | .    | .    | .    | .     | .   | .  | .    | .    | .   | .  | .   | .      |
| 14 - 16 ft | . | .   | .  | .   | . | .    | .    | .    | .     | .   | .  | .    | .    | .   | .  | .   | .      |
| 16 - 18 ft | . | .   | .  | .   | . | .    | .    | .    | .     | .   | .  | .    | .    | .   | .  | .   | .      |
| > 18 ft    | . | .   | .  | .   | . | .    | .    | .    | .     | .   | .  | .    | .    | .   | .  | .   | .      |
| Total      | . | .   | .  | .   | . | 0.04 | 0.15 | 6.77 | 91.73 | .   | .  | 0.34 | 0.97 | .   | .  | .   | 100.00 |

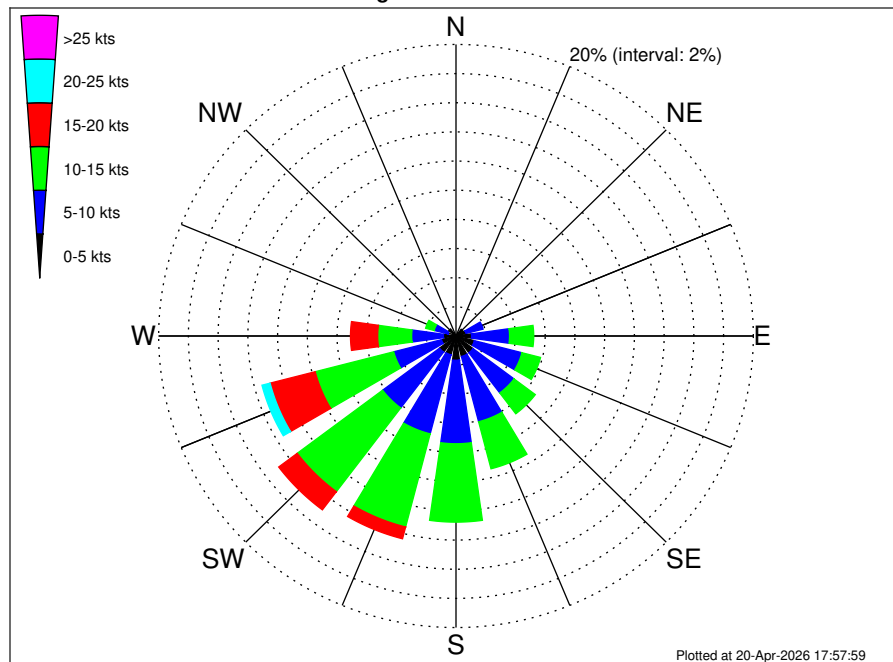
**Petronas Oman Block 18 Climatological WavePeriod Rose for June: 1979 - 2015**



**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   | • | •   | •  | •   | • | •    | •    | •    | •     | •   | •  | 0.07 | 0.04 | •   | •  | •   | 0.11   |
| 4 - 6 sec   | • | •   | •  | •   | • | •    | •    | •    | 0.42  | •   | •  | 0.27 | 0.86 | •   | •  | •   | 1.55   |
| 6 - 8 sec   | • | •   | •  | •   | • | •    | 0.05 | 0.08 | 4.23  | •   | •  | •    | 0.07 | •   | •  | •   | 4.44   |
| 8 - 10 sec  | • | •   | •  | •   | • | 0.04 | 0.05 | 0.71 | 12.85 | •   | •  | •    | •    | •   | •  | •   | 13.66  |
| 10 - 12 sec | • | •   | •  | •   | • | •    | 0.04 | 3.68 | 44.49 | •   | •  | •    | •    | •   | •  | •   | 48.21  |
| 12 - 14 sec | • | •   | •  | •   | • | •    | •    | 0.94 | 19.41 | •   | •  | •    | •    | •   | •  | •   | 20.35  |
| 14 - 16 sec | • | •   | •  | •   | • | •    | •    | 0.71 | 6.05  | •   | •  | •    | •    | •   | •  | •   | 6.76   |
| 18 - 20 sec | • | •   | •  | •   | • | •    | •    | 0.40 | 2.73  | •   | •  | •    | •    | •   | •  | •   | 3.13   |
| 22 - 24 sec | • | •   | •  | •   | • | •    | •    | 0.24 | 1.56  | •   | •  | •    | •    | •   | •  | •   | 1.80   |
| Total       | • | •   | •  | •   | • | 0.04 | 0.15 | 6.77 | 91.73 | •   | •  | 0.34 | 0.97 | •   | •  | •   | 100.00 |

**Petronas Oman Block 18 Climatological Wind Rose for June: 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 | 0.05 | 0.01 | 0.01 | 0.01 | 0.03 | 0.04 | 0.04  | 0.09  | 0.04  | 0.01  | 0.04 | 0.05 | 0.05 | 0.07 | 0.59   |
| 0 - 5 kts   | 0.36 | 0.42 | 0.52 | 0.69 | 1.03 | 1.26 | 1.41 | 1.41 | 1.63  | 1.24  | 1.34  | 0.99  | 0.81 | 0.50 | 0.55 | 0.36 | 14.53  |
| 5 - 10 kts  | 0.15 | 0.16 | 0.42 | 1.18 | 2.55 | 3.31 | 3.45 | 4.62 | 5.73  | 5.60  | 4.80  | 3.32  | 2.14 | 0.97 | 0.36 | 0.11 | 38.87  |
| 10 - 15 kts | 0.01 | 0.01 | 0.12 | 0.44 | 1.63 | 1.29 | 1.79 | 3.33 | 5.38  | 6.60  | 7.19  | 5.46  | 2.28 | 0.59 | 0.09 | 0.01 | 36.24  |
| 15 - 20 kts | .    | .    | 0.03 | 0.05 | 0.09 | 0.12 | 0.15 | 0.22 | 0.17  | 0.83  | 1.56  | 3.13  | 1.83 | 0.32 | 0.01 | .    | 8.52   |
| 20 - 25 kts | .    | .    | .    | .    | 0.03 | 0.05 | 0.03 | .    | .     | .     | 0.03  | 0.56  | 0.39 | 0.04 | .    | .    | 1.13   |
| 25 - 30 kts | .    | .    | .    | .    | 0.03 | 0.01 | .    | 0.01 | .     | .     | .     | .     | 0.05 | .    | .    | .    | 0.11   |
| 30 - 35 kts | .    | .    | .    | .    | .    | .    | .    | 0.01 | .     | .     | .     | .     | .    | .    | .    | .    | 0.01   |
| 35 - 40 kts | .    | .    | .    | .    | .    | .    | .    | .    | .     | .     | .     | .     | .    | .    | .    | .    | .      |
| 40 - 45 kts | .    | .    | .    | .    | .    | .    | .    | .    | .     | .     | .     | .     | .    | .    | .    | .    | .      |
| 45 - 50 kts | .    | .    | .    | .    | .    | .    | .    | .    | .     | .     | .     | .     | .    | .    | .    | .    | .      |
| Total       | 0.54 | 0.60 | 1.14 | 2.38 | 5.38 | 6.06 | 6.85 | 9.65 | 12.94 | 14.37 | 14.96 | 13.48 | 7.54 | 2.47 | 1.08 | 0.55 | 100.00 |