

## Orsted OCW02 - July

Latitude: 39.06 N Longitude: 74.47 W

### Weather Days

Wave Height > 3.0 ft Mean: 9.2 days Range: 5.6 - 12.7 days p10:14 days p50:10 days p90:5 days

Wave Height > 4.0 ft Mean: 3.1 days Range: 0.9 - 5.3 days p10:6.5 days p50:3 days p90:0.5 days

Wave Height > 5.0 ft Mean: 1.0 days Range: 0.0 - 2.1 days p10:3 days p50:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.3 days Range: 0.0 - 0.7 days p10:1.5 days p50:0.5 days p90:0.5 days

Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.2 days p10:0.5 days p50:0.5 days p90:0.5 days

Wind Speed > 30.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p10:0.5 days p50:0.5 days p90:0.5 days

### Working Window Probability

Wave Height < 3.0 ft                    3 days or longer: 48%  
   5 days or longer: 14%  
   7 days or longer: 7%

Wave Height < 4.0 ft                    3 days or longer: 71%  
   5 days or longer: 41%  
   7 days or longer: 33%

Wave Height < 5.0 ft                    3 days or longer: 77%  
   5 days or longer: 63%  
   7 days or longer: 56%

### Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 6 - 8 ft, but rarely higher.

Mean Period: 6 - 8 sec

The wave periods will occasionally reach 12 - 14 sec, but rarely longer.

Principle Direction, from: S

WindSea/Swell: 10% / 90%

### Winds

Mean Speed: 5 - 10 kts

The winds will occasionally reach 20 - 25 kts, but rarely greater.

Principle Direction, from: SSW

### Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 1.25-1.50 kts, but rarely greater.

Principle Direction, to: NE

Current Speed > 1.0 knots Mean: 1.4 days Range: 0.1 - 2.8 days p10:4 days p50:1.4375 days p80:1 days

Current Speed > 1.5 knots Mean: 0.0 days Range: 0.0 - 0.0 days p10:1 days p50:0 days p80:1 days

Current Speed > 2.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p10:1 days p50:0 days p80:1 days

### Severe Storms

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