# Orsted OCW02 - April

**Latitude: 39.06 N  Longitude: 74.47 W**

## Weather Days

Wave Height > 3.0 ft  Mean: 15.6 days  Range: 11.6 - 19.7 days  p10:22 days  p50:15.5 days  p90:12 days
Wave Height > 4.0 ft  Mean: 10.0 days  Range: 5.9 - 14.1 days  p10:17 days  p50:10 days  p90:6.5 days
Wave Height > 5.0 ft  Mean: 6.0 days  Range: 2.6 - 9.4 days  p10:11 days  p50:6 days  p90:2.5 days

Wind Speed > 20.0 knots  Mean: 2.9 days  Range: 1.2 - 4.6 days  p10:5.5 days  p50:2.5 days  p90:1 days
Wind Speed > 25.0 knots  Mean: 0.7 days  Range: 0.0 - 1.4 days  p10:2 days  p50:1 days  p90:0.5 days
Wind Speed > 30.0 knots  Mean: 0.1 days  Range: 0.0 - 0.3 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: 33% |
| | 5 days or longer: 6% |
| | 7 days or longer: 2% |
| Wave Height < 4.0 ft | 3 days or longer: 52% |
| | 5 days or longer: 14% |
| | 7 days or longer: 8% |
| Wave Height < 5.0 ft | 3 days or longer: 66% |
| | 5 days or longer: 31% |
| | 7 days or longer: 19% |

## Waves

Mean Height:  2 - 4  ft
The wave heights will occasionally reach  8 - 10 ft, but rarely higher.
Mean Period:  6 - 8  sec
The wave periods will occasionally reach 12 - 14 sec, but rarely longer.
Principle Direction, from:  E
WindSea/Swell: 24% / 76%

## Winds

Mean Speed: 10 - 15 kts
The winds will occasionally reach 25 - 30 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: 1.6 days  Range: 0.0 - 3.6 days  p10:6 days  p50:1.625 days  p80:1 days
Current Speed > 1.5 knots  Mean: 0.1 days  Range: 0.0 - 0.3 days  p10:1 days  p50:0.0625 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.