Orsted SJW02 - July

Latitude: 38.61 N Longitude: 74.67 W

Weather Days

Wave Height > 3.0 ft Mean: 10.4 days Range: 6.8 - 14.0 days p10:15.5 days p50:11.5 days p90:5.5 days
Wave Height > 4.0 ft Mean: 3.7 days Range: 1.3 - 6.2 days p10:7.5 days p50:3.5 days p90:1 days
Wave Height > 5.0 ft Mean: 1.3 days Range: 0.0 - 2.7 days p10:4 days p50:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.4 days Range: 0.0 - 0.9 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 - 0.1 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: 42%
	5 days or longer: 13%
	7 days or longer: 6%
Wave Height < 4.0 ft	3 days or longer: 69%
	5 days or longer: 35%
	7 days or longer: 27%
Wave Height < 5.0 ft	3 days or longer: 73%
	5 days or longer: 56%
	7 days or longer: 51%

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: ESE
WindSea/Swell: 11% / 89%

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 1.00-1.25 kts, but rarely greater.
Principle Direction, to: NE

Current Speed > 1.0 knots Mean: 1.1 days Range: 0.0 - 2.5 days p10:4 days p50:1.0625 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.