

## VNE 522 ECR Midpoint - July

Latitude: 40.62 N Longitude: 71.98 W

### Weather Days

Wave Height > 4.0 ft Mean: 9.8 days Range: 5.9 - 13.7 days p50:10 days p75:7.5 days p90:5 days

Wave Height > 5.0 ft Mean: 4.4 days Range: 1.9 - 7.0 days p50:4.5 days p75:3 days p90:2 days

Wave Height > 6.0 ft Mean: 2.1 days Range: 0.5 - 3.7 days p50:2 days p75:0.5 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 1.8 days Range: 0.7 - 2.8 days p50:2 days p75:1 days p90:0.5 days

Wind Speed > 25.0 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 > 30.0 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 Probability

Wave Height < 4.0 ft                    3 days or longer: 43%  
    5 days or longer: 12%  
    7 days or longer: 5%

Wave Height < 5.0 ft                    3 days or longer: 60%  
    5 days or longer: 26%  
    7 days or longer: 18%

Wave Height < 6.0 ft                    3 days or longer: 77%  
    5 days or longer: 49%  
    7 days or longer: 39%

### 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: SSW

WindSea/Swell: 19% / 81%

### Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 25 - 30 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.