# **VNE 522 ECR Midpoint - September**

Latitude: 40.62 N Longitude: 71.98 W

### **Weather Days**

Wave Height > 4.0 ft Mean: 11.6 days Range: 7.7 - 15.5 days p50:13.5 days p75:10.5 days p90:9 days Wave Height > 5.0 ft Mean: 6.5 days Range: 2.9 - 10.0 days p50:6.5 days p75:5.5 days p90:4 days Wave Height > 6.0 ft Mean: 3.6 days Range: 0.5 - 6.7 days p50:4.5 days p75:2.5 days p90:1 days

Wind Speed > 20.0 knots Mean: 3.5 days Range: 2.2 - 4.8 days p50:4 days p75:3 days p90:2.5 days Wind Speed > 25.0 knots Mean: 0.8 days Range: 0.2 - 1.4 days p50:1 days p75:0.5 days p90:0.5 days Wind Speed > 30.0 knots Mean: 0.2 days Range: 0.0 - 0.5 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: 38%

5 days or longer: 6%7 days or longer: 1%

Wave Height < 5.0 ft 3 days or longer: 62%

5 days or longer: 21%7 days or longer: 10%

Wave Height < 6.0 ft 3 days or longer: 72%

5 days or longer: 37% 7 days or longer: 24%

#### **Waves**

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 10 - 12 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 14 - 16 sec, but rarely longer.

Principle Direction, from: SE WindSea/Swell: 21% / 79%

#### Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 25 - 30 kts, but rarely greater.

Principle Direction, from: SW

#### **Severe Storms**

There is a 11 % chance of a storm occurring in the month with winds peaking above 34 kts.

There is a 34 % chance of a storm occurring in the month with waves peaking at 4m (13 ft) or greater.