# **VNE 544 ECR1 Midpoint - April**

Latitude: 40.40 N Longitude: 73.39 W

### **Weather Days**

Wave Height > 4.0 ft Mean: 11.4 days Range: 7.5 - 15.4 days p50:11 days p75:9.5 days p90:8.5 days Wave Height > 5.0 ft Mean: 7.3 days Range: 3.6 - 11.0 days p50:8 days p75:6 days p90:3.5 days Wave Height > 6.0 ft Mean: 4.7 days Range: 1.5 - 7.8 days p50:5.5 days p75:3 days p90:1 days

Wind Speed > 20.0 knots Mean: 3.6 days Range: 2.0 - 5.1 days p50:4 days p75:2.5 days p90:2 days Wind Speed > 25.0 knots Mean: 0.9 days Range: 0.0 - 1.9 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: 45%

5 days or longer: 13%7 days or longer: 5%

Wave Height < 5.0 ft 3 days or longer: 61%

5 days or longer: 25%7 days or longer: 13%

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

5 days or longer: 36%7 days or longer: 23%

**Waves** 

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 10 - 12 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: 27% / 73%

#### Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 30 - 35 kts, but rarely greater.

Principle Direction, from: SSW

#### **Severe Storms**

There is a 6 % chance of a storm occurring in the month with winds peaking above 34 kts.

There is a 3 % chance of a storm occurring in the month with waves peaking at 4m (13 ft) or greater.