

## Long Island Wind - October

Latitude: 40.90 N Longitude: 71.00 W

### Weather Days

Wave Height > 6.0 ft Mean: 6.3 days Range: 3.7 - 8.9 days p50:7 days p75:5 days p90:3 days

Wave Height > 7.0 ft Mean: 4.0 days Range: 1.7 - 6.3 days p50:4.5 days p75:3.5 days p90:1.5 days

Wave Height > 8.0 ft Mean: 2.6 days Range: 0.7 - 4.6 days p50:3 days p75:2 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 15.1 days Range: 12.7 - 17.4 days p50:15 days p75:13.5 days p90:13 days

Wind Speed > 20.0 knots Mean: 7.3 days Range: 5.4 - 9.3 days p50:8 days p75:7 days p90:5 days

Wind Speed > 25.0 knots Mean: 2.7 days Range: 1.4 - 4.1 days p50:3 days p75:2.5 days p90:1.5 days

### Working Window

Wave Height < 6.0 ft  
A 1 day or longer window will statistically occur 4.8 times per month  
A 2 day or longer window will statistically occur 3.5 times per month  
A 3 day or longer window will statistically occur 2.4 times per month

Wave Height < 7.0 ft  
A 1 day or longer window will statistically occur 3.8 times per month  
A 2 day or longer window will statistically occur 3.2 times per month  
A 3 day or longer window will statistically occur 2.5 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 3.2 times per month  
A 2 day or longer window will statistically occur 2.7 times per month  
A 3 day or longer window will statistically occur 2.4 times per month

### Waves

Mean Height: 4 - 6 ft

The wave heights will occasionally reach 12 - 14 ft, but rarely higher.

Mean Period: 6 - 8 sec

The wave periods will occasionally reach 12 - 14 sec, but rarely longer.

Principle Direction, from: SE

WindSea/Swell: 36% / 64%

### Winds

Mean Speed: 15 - 20 kts

The winds will occasionally reach 35 - 40 kts, but rarely greater.

Principle Direction, from: WSW

### Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 1.50-1.75 kts, but rarely greater.

Principle Direction, to: W

### Weather Days

Current Speed > 1.0 knots Mean: 0.9 days Range: 0.0 - 2.1 days p50:2 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.3 days Range: 0.0 - 1.0 days p50:1 days p75:1 days p90:1 days

Current Speed > 2.0 knots Mean: 0.0 days Range: 0.0 - 0.0 days p50:1 days p75:1 days p90:1 days

### Severe Storms

There is a 17 % chance of a storm occurring in the month with winds peaking above 34 kts.

There is a 7 % chance of a storm occurring in the month with waves exceeding 3 m (10 ft) above the mean wave height.