

## Aruba EBS - January

Latitude: 13.06 N Longitude: 69.89 W

### Weather Days

Wave Height > 6.6 ft Mean: 16.2 days Range: 10.4 - 22.0 days p50:17 days p75:12.5 days p90:7.5 days

Wave Height > 8.2 ft Mean: 5.6 days Range: 1.4 - 9.9 days p50:6 days p75:3 days p90:2 days

Wave Height > 10.0 ft Mean: 0.7 days Range: 0.0 - 1.8 days p50:30 days p75:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 7.3 days Range: 3.2 - 11.5 days p50:7 days p75:4.5 days p90:1.5 days

Wind Speed > 21.0 knots Mean: 4.5 days Range: 1.2 - 7.7 days p50:4 days p75:2.5 days p90:1 days

Wind Speed > 25.0 knots Mean: 0.2 days Range: 0.0 - 0.6 days p50:0.5 days p75:0.5 days p90:0.5 days

### Working Window

Wave Height < 6.6 ft A 1 day or longer window will statistically occur 2.3 times per month

A 2 day or longer window will statistically occur 1.5 times per month

A 3 day or longer window will statistically occur 1.1 times per month

Wave Height < 8.2 ft A 1 day or longer window will statistically occur 2.7 times per month

A 2 day or longer window will statistically occur 2.0 times per month

A 3 day or longer window will statistically occur 1.5 times per month

Wave Height < 10.0 ft A 1 day or longer window will statistically occur 1.3 times per month

A 2 day or longer window will statistically occur 1.3 times per month

A 3 day or longer window will statistically occur 1.1 times per month

### Waves

Mean Height: 6 - 8 ft

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

Mean Period: 6 - 8 sec

The wave periods will occasionally reach 10 - 12 sec, but rarely longer.

Principle Direction, from: ENE

WindSea/Swell: 65% / 35%

### Winds

Mean Speed: 15 - 20 kts

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

Principle Direction, from: E

### Currents

Mean Speed: 1.00-1.25 kts

The currents will occasionally reach 2.25-2.50 kts, but rarely greater.

Principle Direction, to: WNW

Weather Days

Current Speed > 1.0 knots Mean: 17.9 days Range: 10.5 - 25.3 days p50:22 days p75:12 days p90:7 days

Current Speed > 1.5 knots Mean: 7.0 days Range: 0.0 - 14.1 days p50:8 days p75:2 days p90:1 days

Current Speed > 2.0 knots Mean: 1.7 days Range: 0.0 - 5.0 days p50:1 days p75:1 days p90:1 days

### Severe Storms

Severe storms with gale force winds and extreme waves are not expected during this month.