

## Zanzibar MBES - April

Latitude: 5.47 S Longitude: 41.14 E

### Weather Days

Wave Height > 5.0 ft Mean: 5.2 days Range: 1.3 - 9.2 days p50:5.5 days p75:3 days p90:1 days

Wave Height > 6.5 ft Mean: 1.1 days Range: 0.0 - 2.8 days p50:5.5 days p75:1.5 days p90:0.5 days

Wave Height > 8.0 ft Mean: 0.3 days Range: 0.0 - 1.0 days p50:30 days p75:3.5 days p90:1 days

Wind Speed > 15.0 knots Mean: 1.9 days Range: 0.2 - 3.7 days p50:1.5 days p75:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.1 days Range: 0.0 - 0.4 days p50:0.5 days p75:0.5 days p90:0.5 days

Wind Speed > 25.0 knots Mean: 0.0 days Range: 0.0 - 0.1 days p50:0.5 days p75:0.5 days p90:0.5 days

### Working Window

Wave Height < 5.0 ft  
A 1 day or longer window will statistically occur 2.2 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 1.7 times per month

Wave Height < 6.5 ft  
A 1 day or longer window will statistically occur 1.2 times per month  
A 2 day or longer window will statistically occur 1.1 times per month  
A 3 day or longer window will statistically occur 1.1 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 1.1 times per month  
A 2 day or longer window will statistically occur 1.1 times per month  
A 3 day or longer window will statistically occur 1.0 times per month

### Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 8 - 10 ft, but rarely higher.

Mean Period: 8 - 10 sec

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

Principle Direction, from: ESE

WindSea/Swell: 5% / 95%

### Winds

Mean Speed: 5 - 10 kts

The winds will occasionally reach 15 - 20 kts, but rarely greater.

Principle Direction, from: SSE

### Currents

Mean Speed: 0.50-0.75 kts

The currents will occasionally reach 1.75-2.00 kts, but rarely greater.

Principle Direction, to: NNW

Weather Days

Current Speed > 0.5 knots Mean: 20.2 days Range: 13.1 - 27.3 days p50:21 days p75:16 days p90:11 days

Current Speed > 1.0 knots Mean: 5.6 days Range: 0.0 - 12.1 days p50:5 days p75:2 days p90:1 days

Current Speed > 1.5 knots Mean: 0.5 days Range: 0.0 - 2.1 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.