

## Zanzibar MBES - July

Latitude: 5.47 S Longitude: 41.14 E

### Weather Days

Wave Height > 5.0 ft Mean: 29.6 days Range: 29.1 - 30.0 days p50:30 days p75:29.5 days p90:29 days

Wave Height > 6.5 ft Mean: 25.2 days Range: 20.4 - 30.0 days p50:26.5 days p75:22.5 days p90:19.5 days

Wave Height > 8.0 ft Mean: 12.7 days Range: 7.2 - 18.2 days p50:11.5 days p75:8 days p90:7.5 days

Wind Speed > 15.0 knots Mean: 21.7 days Range: 18.3 - 25.0 days p50:22.5 days p75:20.5 days p90:18 days

Wind Speed > 20.0 knots Mean: 3.7 days Range: 1.5 - 5.9 days p50:3.5 days p75:2.5 days p90:1 days

Wind Speed > 25.0 knots Mean: 0.2 days Range: 0.0 - 0.8 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 0.0 times per month  
A 2 day or longer window will statistically occur 0.0 times per month  
A 3 day or longer window will statistically occur 0.0 times per month

Wave Height < 6.5 ft  
A 1 day or longer window will statistically occur 1.1 times per month  
A 2 day or longer window will statistically occur 0.7 times per month  
A 3 day or longer window will statistically occur 0.4 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 2.3 times per month  
A 3 day or longer window will statistically occur 1.6 times per month

### Waves

Mean Height: 6 - 8 ft

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

Mean Period: 8 - 10 sec

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

Principle Direction, from: ESE

WindSea/Swell: 14% / 86%

### Winds

Mean Speed: 15 - 20 kts

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

Principle Direction, from: SSE

### Currents

Mean Speed: 0.75-1.00 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: 22.9 days Range: 15.2 - 30.0 days p50:27 days p75:21 days p90:10 days

Current Speed > 1.0 knots Mean: 9.3 days Range: 3.1 - 15.5 days p50:8 days p75:6 days p90:2 days

Current Speed > 1.5 knots Mean: 1.1 days Range: 0.0 - 2.5 days p50:2 days p75:1 days p90:1 days

### Severe Storms

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