

## Tanzania MBES - October

Latitude: 8.22 S Longitude: 41.08 E

### Weather Days

Wave Height > 5.0 ft Mean: 15.5 days Range: 10.1 - 20.9 days p50:16.5 days p75:13 days p90:9.5 days

Wave Height > 6.5 ft Mean: 4.2 days Range: 1.0 - 7.4 days p50:4 days p75:2 days p90:0.5 days

Wave Height > 8.0 ft Mean: 0.8 days Range: 0.0 - 1.7 days p50:3 days p75:0.5 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 2.3 days Range: 0.6 - 4.1 days p50:2.5 days p75:1 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.1 days Range: 0.0 - 0.3 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 - 0.0 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 2.6 times per month  
A 2 day or longer window will statistically occur 2.1 times per month  
A 3 day or longer window will statistically occur 1.3 times per month

Wave Height < 6.5 ft  
A 1 day or longer window will statistically occur 2.9 times per month  
A 2 day or longer window will statistically occur 2.5 times per month  
A 3 day or longer window will statistically occur 2.2 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 1.6 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 1.5 times per month

### Waves

Mean Height: 4 - 6 ft

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

Mean Period: 8 - 10 sec

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

Principle Direction, from: ESE

WindSea/Swell: 1% / 99%

### Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: ESE

### Currents

Mean Speed: 0.50-0.75 kts

The currents will occasionally reach 1.25-1.50 kts, but rarely greater.

Principle Direction, to: WNW

Weather Days

Current Speed > 0.5 knots Mean: 16.1 days Range: 10.4 - 21.7 days p50:18 days p75:11 days p90:10 days

Current Speed > 1.0 knots Mean: 1.4 days Range: 0.0 - 3.5 days p50:2 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.1 days Range: 0.0 - 0.3 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.