

Tanzania MBES - January

Latitude: 8.22 S Longitude: 41.08 E

Weather Days

Wave Height > 5.0 ft Mean: 11.8 days Range: 6.7 - 16.9 days p50:12 days p75:7.5 days p90:7 days

Wave Height > 6.5 ft Mean: 3.9 days Range: 0.6 - 7.2 days p50:6 days p75:3 days p90:0.5 days

Wave Height > 8.0 ft Mean: 1.2 days Range: 0.0 - 2.8 days p50:30 days p75:2 days p90:1.5 days

Wind Speed > 15.0 knots Mean: 6.0 days Range: 3.0 - 9.0 days p50:7 days p75:3.5 days p90:2.5 days

Wind Speed > 20.0 knots Mean: 0.5 days Range: 0.0 - 1.4 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 - 0.2 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 2.4 times per month
A 2 day or longer window will statistically occur 1.9 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 1.8 times per month
A 2 day or longer window will statistically occur 1.7 times per month
A 3 day or longer window will statistically occur 1.6 times per month

Wave Height < 8.0 ft
A 1 day or longer window will statistically occur 1.4 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 1.2 times per month

Waves

Mean Height: 4 - 6 ft

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

Mean Period: 6 - 8 sec

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

Principle Direction, from: NE

WindSea/Swell: 7% / 93%

Winds

Mean Speed: 10 - 15 kts

The winds will occasionally reach 20 - 25 kts, but rarely greater.

Principle Direction, from: NNE

Currents

Mean Speed: 0.25-0.50 kts

The currents will occasionally reach 1.00-1.25 kts, but rarely greater.

Principle Direction, to: NW

Weather Days

Current Speed > 0.5 knots Mean: 9.6 days Range: 3.4 - 15.8 days p50:10 days p75:5 days p90:2 days

Current Speed > 1.0 knots Mean: 0.9 days Range: 0.0 - 2.4 days p50:1 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.