

Zanzibar MBES - January

Latitude: 5.47 S Longitude: 41.14 E

Weather Days

Wave Height > 5.0 ft Mean: 15.2 days Range: 9.6 - 20.8 days p50:16 days p75:11 days p90:7.5 days

Wave Height > 6.5 ft Mean: 5.4 days Range: 1.5 - 9.2 days p50:6 days p75:3 days p90:0.5 days

Wave Height > 8.0 ft Mean: 1.4 days Range: 0.0 - 3.0 days p50:4 days p75:2 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 9.4 days Range: 5.5 - 13.4 days p50:10 days p75:7 days p90:4.5 days

Wind Speed > 20.0 knots Mean: 1.0 days Range: 0.0 - 2.3 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 2.1 times per month
A 2 day or longer window will statistically occur 1.8 times per month
A 3 day or longer window will statistically occur 1.5 times per month

Wave Height < 6.5 ft
A 1 day or longer window will statistically occur 2.3 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 1.8 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 1.4 times per month

Waves

Mean Height: 4 - 6 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: NE

WindSea/Swell: 15% / 85%

Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: NE

Currents

Mean Speed: 0.25-0.50 kts

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

Principle Direction, to: NNW

Weather Days

Current Speed > 0.5 knots Mean: 9.3 days Range: 2.8 - 15.7 days p50:10 days p75:6 days p90:4 days

Current Speed > 1.0 knots Mean: 1.1 days Range: 0.0 - 3.3 days p50:1 days p75:1 days p90:1 days

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