

Kenya MBES - April

Latitude: 3.25 S Longitude: 41.81 E

Weather Days

Wave Height > 5.0 ft Mean: 4.0 days Range: 0.5 - 7.6 days p50:4.5 days p75:3 days p90:1.5 days

Wave Height > 6.5 ft Mean: 0.7 days Range: 0.0 - 1.9 days p50:30 days p75:2.5 days p90:1 days

Wave Height > 8.0 ft Mean: 0.1 days Range: 0.0 - 0.5 days p50:30 days p75:30 days p90:30 days

Wind Speed > 15.0 knots Mean: 0.8 days Range: 0.0 - 1.7 days p50:0.5 days p75:0.5 days p90:0.5 days

Wind Speed > 20.0 knots Mean: 0.0 days Range: 0.0 - 0.0 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 2.0 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 < 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 1.0 times per month
A 2 day or longer window will statistically occur 1.0 times per month
A 3 day or longer window will statistically occur 0.9 times per month

Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 6 - 8 ft, but rarely higher.

Mean Period: 8 - 10 sec

The wave periods will occasionally reach 18 - 20 sec, but rarely longer.

Principle Direction, from: SE

WindSea/Swell: 1% / 99%

Winds

Mean Speed: 5 - 10 kts

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

Principle Direction, from: SSE

Currents

Mean Speed: 1.25-1.50 kts

The currents will occasionally reach 2.25-2.50 kts, but rarely greater.

Principle Direction, to: ENE

Weather Days

Current Speed > 0.5 knots Mean: 28.9 days Range: 26.8 - 30.0 days p50:31 days p75:29 days p90:25 days

Current Speed > 1.0 knots Mean: 21.5 days Range: 14.9 - 28.0 days p50:23 days p75:18 days p90:12 days

Current Speed > 1.5 knots Mean: 10.4 days Range: 3.5 - 17.4 days p50:8 days p75:5 days p90:3 days

Severe Storms

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