

## Kenya MBES - July

Latitude: 3.25 S Longitude: 41.81 E

### Weather Days

Wave Height > 5.0 ft Mean: 29.8 days Range: 29.4 - 30.0 days p50:30 days p75:30 days p90:29.5 days

Wave Height > 6.5 ft Mean: 28.0 days Range: 24.6 - 30.0 days p50:29.5 days p75:27 days p90:23.5 days

Wave Height > 8.0 ft Mean: 19.1 days Range: 13.3 - 25.0 days p50:21 days p75:16 days p90:13 days

Wind Speed > 15.0 knots Mean: 26.3 days Range: 23.9 - 28.7 days p50:27 days p75:25.5 days p90:24.5 days

Wind Speed > 20.0 knots Mean: 5.5 days Range: 2.5 - 8.6 days p50:5.5 days p75:3.5 days p90:2 days

Wind Speed > 25.0 knots Mean: 0.1 days Range: 0.0 - 0.4 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 0.5 times per month  
A 2 day or longer window will statistically occur 0.3 times per month  
A 3 day or longer window will statistically occur 0.1 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 2.3 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 1.0 times per month

### Waves

Mean Height: 8 - 10 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 20 - 25 kts, but rarely greater.

Principle Direction, from: S

### Currents

Mean Speed: 0.75-1.00 kts

The currents will occasionally reach 2.00-2.25 kts, but rarely greater.

Principle Direction, to: NNE

Weather Days

Current Speed > 0.5 knots Mean: 26.4 days Range: 22.3 - 30.0 days p50:28 days p75:24 days p90:19 days

Current Speed > 1.0 knots Mean: 14.9 days Range: 7.0 - 22.8 days p50:16 days p75:10 days p90:3 days

Current Speed > 1.5 knots Mean: 5.0 days Range: 0.0 - 10.6 days p50:4 days p75:2 days p90:1 days

### Severe Storms

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