

## Madagascar MBES - January

Latitude: 14.97 S Longitude: 45.59 E

### Weather Days

Wave Height > 5.0 ft Mean: 3.9 days Range: 0.9 - 6.9 days p50:5 days p75:2 days p90:1 days

Wave Height > 6.5 ft Mean: 2.2 days Range: 0.0 - 4.7 days p50:7 days p75:2.5 days p90:2 days

Wave Height > 8.0 ft Mean: 1.1 days Range: 0.0 - 3.0 days p50:30 days p75:1 days p90:0.5 days

Wind Speed > 15.0 knots Mean: 3.9 days Range: 1.3 - 6.4 days p50:4 days p75:1.5 days p90:1 days

Wind Speed > 20.0 knots Mean: 1.3 days Range: 0.0 - 3.1 days p50:1 days p75:0.5 days p90:0.5 days

Wind Speed > 25.0 knots Mean: 0.4 days Range: 0.0 - 1.3 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 1.9 times per month  
A 3 day or longer window will statistically occur 1.8 times per month

Wave Height < 6.5 ft  
A 1 day or longer window will statistically occur 1.7 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

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 1.5 times per month  
A 2 day or longer window will statistically occur 1.4 times per month  
A 3 day or longer window will statistically occur 1.3 times per month

### Waves

Mean Height: 2 - 4 ft

The wave heights will occasionally reach 12 - 14 ft, but rarely higher.

Mean Period: 6 - 8 sec

The wave periods will occasionally reach 8 - 10 sec, but rarely longer.

Principle Direction, from: NNE

WindSea/Swell: 14% / 86%

### Winds

Mean Speed: 5 - 10 kts

The winds will occasionally reach 25 - 30 kts, but rarely greater.

Principle Direction, from: NW

### Currents

Mean Speed: 0.50-0.75 kts

The currents will occasionally reach 1.75-2.00 kts, but rarely greater.

Principle Direction, to: NE

Weather Days

Current Speed > 0.5 knots Mean: 19.1 days Range: 13.8 - 24.5 days p50:21 days p75:15 days p90:12 days

Current Speed > 1.0 knots Mean: 7.1 days Range: 1.4 - 12.7 days p50:8 days p75:3 days p90:1 days

Current Speed > 1.5 knots Mean: 1.2 days Range: 0.0 - 3.1 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.