

## Madagascar MBES - July

Latitude: 14.97 S Longitude: 45.59 E

### Weather Days

Wave Height > 5.0 ft Mean: 2.6 days Range: 1.3 - 4.0 days p50:2.5 days p75:2 days p90:1 days

Wave Height > 6.5 ft Mean: 0.2 days Range: 0.0 - 0.4 days p50:30 days p75:30 days p90:0.5 days

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

Wind Speed > 15.0 knots Mean: 12.8 days Range: 10.3 - 15.2 days p50:13 days p75:12 days p90:10.5 days

Wind Speed > 20.0 knots Mean: 4.1 days Range: 2.4 - 5.8 days p50:4 days p75:3.5 days p90:3 days

Wind Speed > 25.0 knots Mean: 0.3 days Range: 0.0 - 0.6 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 3.7 times per month  
A 2 day or longer window will statistically occur 3.1 times per month  
A 3 day or longer window will statistically occur 2.5 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 1.2 times per month  
A 3 day or longer window will statistically occur 1.2 times per month

Wave Height < 8.0 ft  
A 1 day or longer window will statistically occur 0.9 times per month  
A 2 day or longer window will statistically occur 0.9 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: 4 - 6 sec

The wave periods will occasionally reach 6 - 8 sec, but rarely longer.

Principle Direction, from: E

WindSea/Swell: 52% / 48%

### Winds

Mean Speed: 10 - 15 kts

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

Principle Direction, from: ESE

### Currents

Mean Speed: 0.50-0.75 kts

The currents will occasionally reach 1.50-1.75 kts, but rarely greater.

Principle Direction, to: W

Weather Days

Current Speed > 0.5 knots Mean: 20.2 days Range: 12.2 - 28.2 days p50:24 days p75:12 days p90:9 days

Current Speed > 1.0 knots Mean: 6.4 days Range: 0.4 - 12.5 days p50:6 days p75:1 days p90:1 days

Current Speed > 1.5 knots Mean: 0.6 days Range: 0.0 - 1.8 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.