



Mauritius Meteorological Services

Early Warning Systems in the Republic of Mauritius

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Climate Change Knowledge Fair
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Daily Weather Bulletin

- General Situation – system(s) influencing the local weather
- Expected weather
- Wind
- Sea state
- Temperature
- Tides

Early warnings

- Tropical Cyclones
- Torrential Rain
- Tsunami
- Seasonal Outlooks
- High Waves, tidal surge
- *Strong Winds, Cold Surge, Electric storm*

Tropical Cyclone

(120 km/h  Cyclonic Conditions)

- Class I : issued 36-48 hours before Mru/Rod is likely to be affected by gusts reaching 120 km/h
- Class II : issued as far as practicable 12 hours of daylight before occurrence of gusts of 120 km/h
- Class III : issued as far as practicable 6 hours of daylight before advent of gusts of 120 km/h
- Class IV : issued when gusts of 120 km/h have been recorded at several places and are expected to continue
- Termination: NO longer any risk of gusts exceeding 120 km/h

Cyclone Bulletin

- **Serial No. and time of issue**
- **Class of Warning**
- **Name and Intensity of system**
- **Position (Latitude, longitude, distance from islands)**
- **Movement (Direction & speed in Km/h)**
- **Expected change in conditions(wind, rain, sea, etc)**
- **Advise on Precautions**
- **Time of Next Bulletin**

Frequency of Issuing Bulletins

- Class I & Class II : at 6 hour intervals
- Class III : Every 3 Hours
- Class IV : Adhoc basis

Torrential Rain

- Issued when 100 mm of rain in 12 Hours has been recorded at several places and the heavy rain is expected to continue

Tsunami

- Tsunami **Watch** Bulletin – tsunami alert **without confirmation** of a destructive tsunami
- Tsunami **Warning** Bulletin – imminent threat of a tsunami, lead time depending upon location
- Termination – **No risk** of significant tsunami waves for the Republic of Mauritius.

Seasonal Outlook

- Issued at the beginning of each season
- Gives the expected evolution of the forthcoming season, Summer or Winter—namely, the likely cyclonic activity during the coming cyclone season, Rainfall pattern and the temperatures in Mauritius and Rodrigues.

High Waves/Swells

- High waves usually generated far away in the ocean
- Can occur at any time of the year but more frequent in winter
- Disrupts activity on coastal areas and in the harbour
- Affects the lagoons and the beaches
- Can cause raz-de-marée

State of the sea / État de la Mer

Condition (English)	État (French)	Height/ Hauteur (metres)
Calm	Calme	0 – 0.5
Slight	Peu Agitée	0.5 – 1.25
Moderate	Agitée	1.25 - 2.5
Rough	Forte	2.5 - 4.0
Very Rough	Tres Forte	4.0 – 6.0
High	Grosse	6.0 – 9.0
Very High	Tres Grosse	9.0 – 14.0
Phenomenal	Enorme	14 +

Thank you