

AWIO20 FMEE 081048

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

BULLETIN FOR CYCLONIC ACTIVITY AND SIGNIFICANT TROPICAL WEATHER
IN THE SOUTHWEST INDIAN OCEAN

DATE: 08/10/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The western part of the basin remains in a winter configuration, but a weak branch of Near-Equatorial Trough (NET) is maintaining over its eastern part, between 65 and 75E and around 4S, linked to a temporary strengthening of equatorial westerlies. The convective activity is weak in the convergences area along the northern edge of the NET.

The wave activity forecast for the next five days is unfavorable for cyclogenesis. An isolated equatorial Rossby wave is struggling to generate enough vorticity within the TPE and to counteract the inhibitory effect of the dry MJO and a negative Kelvin wave (easterly wind surge).

Development of a tropical storm is not expected over the next 5 days.

10-day outlook :

From mid-October onwards, the dry phase of the MJO should move away towards the Maritime Continent, while the moist phase should reach Africa. As a result, conditions should become slightly more favourable for synoptic ascent over the Indian Ocean. A Kelvin wave is then likely to move ahead of the MJO and interact with the Rossby wave near the center of the basin, which could locally enhance vorticity within the NET over the end of the next week.

GEFS and EPS ensemble models suggest a gradual increase in cyclogenesis probabilities in the very end of the next week. The situation will therefore need to be closely monitored.

NOTA BENE: The likelihood is an estimate of the chance of genesis of a moderate tropical storm over the basin within the next five days:

Very low: less than 10% Moderate: 30% to 60% Very high: over 90%
Low: 10% to 30% High: 60% to 90%

The Southwestern Indian ocean basin extends from the Equator to 40S and from the african coastlines to 90E.