

AWIO20 FMEE 131045

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 13/09/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

A near-equatorial trough (NET) configuration persists east of 68°E as far as the low-pressure area at the eastern edge of our basin, linked to the circulation from the Australian basin. There is little to moderate convective activity near this low-pressure area.

The equatorial westerly flow is set to weaken and become more south-westerly over the next few days, thus making the NET pattern rapidly vanish as a more unfavourable wave pattern develops : the westward-moving equatorial Rossby wave will get out of phase with the eastward-moving moist MJO, which will eventually be followed by a dry phase from mid-September onwards. The large-scale background is therefore expected to become less and less favourable to cyclogenesis.

Over the easternmost part of the basin :

The low-pressure area which was present in the Indonesian area on Thursday and which is currently passing over our area of responsibility at around 10.2S/87.3E at 09UTC is in an unfavourable environment for significant deepening with moderate to strong shear and a lack of convergence on the equatorial side.

The suspect low over the extreme east of our basin has no risk of developing into a tropical storm in the next 5 days.

10-day outlook : The large scale background is expected to remain uncondusive for cyclogenesis.

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.