AWIO20 FMEE 171153
TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 17/11/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The basin is in a Near Equatorial Trough (NET) pattern east of 60E. Convective activity is weak in the vicinity of the NET. Further south, an area of strong convection has developed near the coast of Mozambique within a convergence zone located north of a frontal boundary.

The current weak convective activity over our basin is partly favored by the MJO's dry phase. Moreover, the lack of convergence within the NET is due to a weaker than average trade wind flow linked to the negative SIOD pattern and a low-pressure anomaly in the subtropics.
Besides, the passage of an equatorial Rossby wave over the east of the basin, temporarily crossing a Kelvin wave in the coming days, contributes to maintain a westerly wind anomaly and a NET pattern over the east of the basin. However, the associated vorticity and convergence are expected to be more efficient in the northern hemisphere (Bay of Bengal) or near Indonesia, while they should remain more inhibited over our basin.

Low-pressure area in the Mozambique Channel :
This Monday morning's ASCAT passes show a convergence line without closed circulation off the coast of central Mozambique, associated with locally strong thunderstorm activity. NWP models suggest a slight deepening of the low pressure system between now and Wednesday, with a temporary shallow warm core but quickly becoming asymmetrical thereafter due to baroclinic dynamics and increasing wind shear, which should prevent tropical cyclogenesis.

There is no risk of tropical storm development over the next 5 days.

Extended 10-day outlook : By late November, easterly wind anomalies near the equator are expected to strengthen in the lee of the MJO's dry phase, which should continue to inhibit cyclogenesis potential.

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.