AWIO20 FMEE 151039
TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 15/12/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

A branch of the Monsoon Talweg (MT) extends from 50 to 85E. Convection is weak along this MT near Diego Garcia. A low-level vortex circulates west of this MT and generates some convection in the surrounding convergence zone.

Wave activity is dominated by a strong easterly anomaly due to low frequency coupled with multiple waves, all unfavorable to cyclogenesis. Only the far east of the basin still benefits from a westerly anomaly linked to a Kelvin wave, maintaining vorticity within BAKUNG.

Entry of a tropical low-pressure system from the Indonesian region:
Tropical cyclone BAKUNG was located at 00UTC at approximately 10.9 degrees South, 91.0 degrees East.
In the short term, deterministic models agree on a slowdown followed by a turn back in connection with the rise of the upper-level trough from the southwest. As for ensemble models, none of them now predict an entry into our area of responsibility before moving on to Australian or Indonesian territory.

For the next 5 days, there is no longer potential for this suspect area to develop into a moderate tropical storm.

10-day outlook : At the end of the week, an equatorial Rossby wave will arrive from the maritime continent and enter our basin at the beginning of next week. We will need to monitor whether cyclogenesis occurs between Indonesia and Australia over the next few days. The Rossby wave could then accompany the movement of the emerging system towards our basin further west.

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.