AWIO20 FMEE 311007
TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 31/07/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

A near-equatorial trough (NET) is emerging over the central part of the basin. Convective activity is moderate on the southern side of this NET.

The end of a Kelvin wave's passage over the eastern part of the basin helps to explain this NET configuration, within which a low-level vorticity could strengthen over the next few days, either over the central part of the basin or at the edge of the Indonesian zone.

Within this NET, ASCAT swath of 0455UTC does not yet allow us to locate a clear circulation, at most a broad circulation with winds reaching 30kt locally due to the gradient effect on the southern part. Environmental conditions are not yet conducive to a strengthening of the low-level vorticity, although some models show the potential for intensification in the short term, with a lengthened circulation now more clearly visible.

The likelihood of the formation of a moderate tropical storm becomes very low from saturday, east-south-east of Diego Garcia.

10-day outlook :
In the longer term, in the middle of next week, ahead of a moist MJO phase, low-level convergence within the NET could strengthen a bit more. A very slight risk of cyclogenesis could then emerge in the vicinity of 90E.

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.