AWIO20 FMEE 011200
TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 01/08/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

A near-equatorial trough (NET) is imperfectly outlined between 70E and 85E. Convective activity is moderate on the southern side of this NEAT.

The Kelvin wave's passage these last days 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. A forecoming positive phase of the MJO early next week will generate westerly winds at the equator, which will also contribute to this vorticity.

To the west of this TPE, ASCAT-C at 0434UTC can't afford to locate a clear circulation, at most a broad circulation with winds reaching 25kt locally due to the gradient effect on the southern part. Environmental conditions are not yet conducive to a strengthening of the low-level vorticity, and only a few very isolated members of ensemble forecasting are now modeling a deepening.

To the east of this TPE, another closed circulation is present off the Indonesian coast. For the time being, it is elongated and ill-defined, but some members of ensemble models are able to envisage a relative deepening early next week at the boundary with the Indonesian area of responsibility. However, the atmosphere seems to be too sheared and convergence on the equatorial side too weak.

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

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.