

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

DATE: 05/08/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

A short Near Equatorial Trough (NET) is present over the eastern half of the basin, with the presence of two broad clockwise circulations: one around 65E/7.5S and the second around 91E/12S, to the immediate east of our AoR. Convective activity is weak to moderate along the edge of these low level precursors.

Equatorial westerlies are currently favored by the establishment of a wet MJO phase over the basin, but also by a Kelvin wave over the eastern part of the basin.

West of Diego-Garcia :

The ASCAT pass at 0452Z represents a broad, elongated low-level structure with winds averaging 15 to 20kt, or even more under the convection. Convective activity is sparse and has weakened over the last 24 hours.

The analysis shows that the environment remains very unfavorable, with almost no equatorial convergence, a powerful fine shear from the NE, coupled with dry air in the middle troposphere from Thursday onwards, and a decreasing oceanic potential as the circulation moves westwards.

However, some members of the European Ensemble Prediction Forecast (EPS) are maintaining their forecast of a deepening to tropical storm level by Thursday.

For the next 5 days, there remains a very low risk of a moderate tropical storm forming west of Diego-Garcia.

On the easternmost parts of the basin :

To the east of the basin in the Indonesian AoR another closed circulation is present with weak to moderate convective activity, to the immediate west of the assumed low-level center. The latest ASCAT passes of 0312Z measure winds of 25kts in the southwest semicircle, partly under the convection. This precursor continues its southward trajectory over waters that have become too cold, inhibiting any potential development.

For the next 5 days, there is no more 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.