

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

DATE: 06/08/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

Associated with a broad zone of low pressure, two low-pressure circulations connected by a short near-equatorial trough (NET) define the basin's configuration. Convective activity is moderate, mainly on the southern side of the circulation located between Diego-Garcia and the Seychelles archipelago.

A wet phase of the MJO is currently promoting convective activity over the central part of the basin, which also corresponds to a zone of low-level vorticity. Over the eastern part of the basin, a Kelvin wave sliding over the Australian basin is promoting low-level vorticity, but convective activity is absent there due to a fairly dry air mass in the middle troposphere.

**West of Diego-Garcia :**

The ASCAT swath at 0431UTC and 0521UTC show a circulation that has tightened compared to yesterday, particularly in the northeast, where the circulation is more clearly closed. However, GCOM-W data from 09UTC shows a circulation that is still large, typical of a disturbed area, with winds of around 25kt according to the latest ASCAT data. Convective activity remains moderate and is concentrated in the southern sector of the circulation. The environment, which was initially unfavorable, is improving with a slight decrease in shear and humidity in the middle and lower troposphere. The window of slightly more favorable conditions will close on Friday.

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, the risk of a moderate tropical storm developing west of Diego Garcia is moderate.

**On the easternmost parts of the basin :**

To the east of the basin, at the edge of our area of responsibility, another closed circulation is present with virtually no convective activity. This circulation continues its trajectory southward over waters that have become too cold, inhibiting any potential for development in a dry atmospheric environment.

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.*