

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

DATE: 30/07/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The basin remains in winter pattern. Convective activity is almost absent in the near-equatorial latitudes.

The end of the passage of a Kelvin wave over the eastern part of the basin tends to favor the development of a Near Equatorial Talweg (NEET) configuration east of 70E over the end of the week. In this configuration, low-layer vorticity could strengthen and favor the emergence of a precursor over the eastern part of the basin, or even in the Indonesian zone.

A broad low-level vortex can be seen around 5.5S/73.0E. The ASCAT-B pass at 0424UTC has an ill-defined center, with winds averaging around 15/20kt in the southern semicircle. Despite good mid-tropospheric humidification, this vortex is experiencing strong ENE upper-level shear and a lack of low-level convergence. These poor conditions are set to persist, and will be compounded by intrusions of upper-level dry air from Friday onwards. The latest deterministic models do not suggest a significant deepening of this minimum. Ensemble models do suggest a few outliers, but there are not enough of them to indicate a risk of storm formation.

On the other hand, we are watching for the formation, by the end of the week, of a new vortex in the Indonesian zone, as suggested by the deterministic models and an important number of the members of the ensemble models. Shear in this part of the basin seems to be the main obstacle to significant deepening.

Development of a moderate tropical storm is not expected for the next 5 days.

10-day outlook :

In the longer term, over the first week of August, 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.*