

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

DATE: 02/09/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The basin remains in a winter pattern. Convection is weak to moderate near the equator and in the trade wind slowing area near broad low-pressure circulations west of Diego-Garcia and in the Indonesian area.

Later this week, over the eastern part of the basin, the westerly flow could settle along the equator and form a Near Equatorial Trough (NET). This pattern is supported by the crossing of a Kelvin wave with an Equatorial Rossby wave in a low frequency context close to an Indian Ocean Dipole (IOD) becoming negative.

Within this NET, some members of the GEFS and EPS suggest the formation of a closed circulation or even a storm. However, the main deterministic models (IFS, GFS, AIFS) struggle to produce a closed circulation, let alone a significant deepening, notably because of a sheared environment. For the time being, therefore, this risk does not appear to be significant.

**For the next 5 days, for now, there is no potential for the development of a moderate tropical storm, for this area.**

Extended outlook :

Early next week, under the influence of the Equatorial Rossby wave and a new Kelvin wave, a second vorticity area could form over the far east of the basin.

*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.*