

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

DATE: 05/09/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The basin remains in a winter pattern. Convection is moderate to strong in the trade wind slowing area within an elongated low-pressure circulation to the extreme north-east of the basin.

Westerly wind surge over the eastern part of the basin might favor a near equatorial through configuration this week end. This might be triggered an equatorial Rossby wave in the Northern Hemisphere, combined with a wet MJO phase, in a low-frequency context evoking a negative Indian Ocean Dipole (IOD).

Low-pressure circulation in the extreme north-east of the basin:

The ASCAT pass at 0410Z shows a very elongated circulation around 5.5°S 82.5°E. Winds are measured to the south in the slowing trade winds (30kt under convection). Winds of 25kt are measured to the south in the slowing trade winds (30kt under the convection). The convection, sometimes strong to the north-west of this circulation, remains disorganised.

The lack of low-level convergence on the equatorial side and strong north-easterly vertical windshear should limit its potential for intensification.

A minority of the members of the GEFS and the EPS are proposing the formation of a tropical storm over the next few days.

**The likelihood of the formation of a moderate tropical storm becomes weak from Monday for this area.**

Extended outlook :

At the beginning and middle of next week, under the influence of the Equatorial Rossby wave and a new Kelvin wave, the vorticity within this closed circulation could should maintain a low risk of cyclogenesis.

*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.*