

AWIO20 FMEE 011130

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 01/09/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The basin is in a winter configuration. Convection is weak, with a few convective clusters in the trade wind slowdown area around a broad, ill-defined low-pressure system.

Later this week, a weak equatorial westerly wind anomaly is expected over the eastern part of the basin. It's made easier by a low-frequency context resembling an Indian Ocean Dipole (IOD) in negative phase, but shifted further west than the standard configuration, as well as a first Kelvin wave.

At the end of the first week of September, a second train of Kelvin wave crosses a cyclonic equatorial Rossby wave gyre in the Northern Hemisphere, which should enable a more effective NET to be set up over the north-east of the basin at the very end of the week.

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

Extended outlook: Low-level convergence within the NET over the east of the basin could strengthen. Some scenarios from the EPS and GEFS ensemble models or even AIFS suggest an increase in cyclogenesis potential near the Chagos area around the beginning of next week, which will need to be monitored in the coming days.

*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.*