

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

DATE: 08/09/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The basin has a Near Equatorial Trough (NET) configuration to the east of 60E and around 5S. Within this NET, an area of more significant low pressure coincides with a low-pressure circulation localised by the 0449UTC ASCAT swath towards 08S/73.8E.

Convection is moderate to strong close to the low-pressure circulation developing within the NET to the south of Diego Garcia.

The undulatory context is generally favourable for the season, maintaining convective activity within the NET as well as the low-level vorticity currently present. This situation should remain favourable over the course of the week.

Low-pressure area over the east of the basin, near the Chagos archipelago :

Today's ASCAT swath at 0449UTC shows a low-pressure circulation which is still elongated and whose structure remains fairly similar to that of previous days.

Its centre can be estimated at around 8.4S/72.5E at around 09UTC with winds reaching 25kt in the southern semicircle. The associated convection is essentially present to the south-west of the minimum, leaving a better-defined cloud curvature, but it is not yet possible to define an initial classification.

Over the next 48 hours, environmental conditions are set to continue or even improve as the vorticity moves towards a zone of weaker wind shear. Under these conditions, the low-level vorticity should intensify and leave a growing potential to reach the tropical storm threshold.

There is a moderate risk of a tropical storm developing to the south-west of Diego-Garcia from Tuesday 9 September.

Extended outlook :

Another low-pressure area could form in the Indonesian area before approaching 90E by mid-September, but its intensification potential is still very uncertain.

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.