

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

DATE: 16/07/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil, but system 01-20252026 will be monitored by RSMC La Réunion from 18 UTC. on Tropical Depression 01-20252026. Next bulletins issued at 18 UTC

PART 2 : TROPICAL WEATHER DISCUSSION

The south-western Indian Ocean basin has a Near Equatorial Trough (NET) configuration to the east of 68E. Convective activity is mainly concentrated in the southern part of the tropical low-pressure system located at 09UTC over the Indonesian zone of responsibility, at around 9.5S/90.8E.

This NET configuration is mainly explained by the presence of an equatorial westerly wind burst linked to a Kelvin wave at the end of last week, also helped by a reemerging moist phase of the MJO over the maritime continent. This leaves a favourable context for maintaining the low-pressure circulation currently present.

Suspect low over the extreme north-east of the basin :

The low-pressure circulation was located at 9.5S/90.8E at 09UTC, with winds of 30kt in its southern part, according to the ASCAT swath at 0234UTC. Convective activity has held up well over the past 24 hours along the southern edge of the center, with better curvature of the low-level clouds. The initial Dvorak classification criteria can be applied, leaving a CI of around 2.0 at 06UTC, underestimating the intensity of the system. A classification as a tropical depression is possible based on ASCAT wind values of 30kt.

Over the next few days, models suggest that this tropical depression will continue to deepen, and should enter our basin from Wednesday evening. However, shear conditions are not conducive to significant intensification, but the moderate tropical storm threshold should be reached within the next 24 hours.

The risk of development or entry of a tropical storm over the north-east of the basin is expected to be very high on this Wednesday 16th.

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.