

AWIO20 FMEE 241126

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2024/01/24 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO22 and WTIO30 n°008/03 issued at 06UTC on Zone of Tropical Depression n°
03-20232024.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The southwest Indian Ocean basin maintains a Monsoon Trough (MT) pattern, centered between 9 and 12°S east of 74°E, where it will connect with the severe tropical storm ANGGREK, currently located in the Australian AoR.

Convective activity is particularly intense in the slowdown of the monsoon flow, on the northern edge of the monsoon trough, in the lower convergence of the trade winds heading up the Mozambique Channel to the south-west of Cap Saint-André, as well as within Moderate Tropical Storm CANDICE, named since 08UTC by the Mauritius meteorological service in coordination with RSMC La Réunion.

Moderate Tropical Storm CANDICE located north of Mauritius :

Information at 0900UTC :

Position: 19.9°S / 57.3°E

Movement: quasi-stationary

Max wind over 10min: 35kt

Central pressure: 993 hPa

For further information, please refer to bulletins WTIO22 and WTIO30 issued at 12UTC and following.

East of 90°E, in the Australian AoR (ANGGREK):

Severe Tropical Storm ANGGREK is being monitored by the Australian Meteorological Service (BOM) through bulletin IDW24010, which located the meteor this Wednesday at 06UTC, around 14.0S / 91.1E, 650 km west-southwest of the Cocos Islands.

Deterministic models are in solid agreement that this system will enter the eastern part of our basin tomorrow afternoon, at a minimal stage, as a severe Tropical storm or even as a tropical cyclone. The BOM also agrees with this scenario, and expects Anggrek to intensify into a tropical cyclone when it enters our basin, thanks to very favorable environmental conditions. According to the latest ensemble forecasts, Anggrek should then continue on its south-westerly course.

The risk of severe tropical storm ANGGREK entering our AoR from the east is therefore very high tomorrow, Thursday (probability greater than 90%).

Apart from these two tropical low-pressure systems, no other tropical precursors are expected to develop into moderate tropical storms over the next 5 days.

Beyond the 5-day period, some models suggest that a new low-pressure system will develop to the east/northeast of the Mascarene Islands from Sunday 28th or Monday 29th. This risk is still uncertain, but will be monitored over the next few days.

NOTA BENE: The likelihood is an estimate of the chance of the genesis of a moderate tropical storm over the basin and 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.