

AWIO20 FMEE 271303

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2024/01/27 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO22 and WTIO30 n°20/4 issued at 06UTC on the Moderate Tropical Storm
CANDICE.

Warnings WTIO20 and WTIO30 n°8/04 issued at 06UTC on the Intense Tropical Cyclone
ANGGREK.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The south-western Indian Ocean basin remains in a Monsoon Trough (MT) pattern, extending discontinuously between 62° and 93°E and undulating over 14°S. A trans-equatorial flow is present, but is deformed to the east by ANGGREK. Convective activity is moderate in the slowdown of the monsoon flow, especially to the north of the TM and more particularly offshore northeast of Saint-Brandon, where a new low is beginning to deepen. There is also stronger convection around the intense tropical cyclone ANGGREK. Candice has become a post-tropical depression.

Intense Tropical Cyclone ANGGREK :

Information at 10UTC :

Position: 19.1S / 81.3E

Movement : South-West 10kt

Max wind over 10min : 90kt

Central pressure: 960 hPa

For further information, please refer to bulletins WTIO20 and WTIO30 issued at 12UTC and following.

Post-tropical low CANDICE :

Information at 10UTC :

Position: 29.3S / 59.9E

Movement : South-South-East 13kt

Max wind over 10min : 35kt

Central pressure: 998 hPa

Northeast of Saint-Brandon:

With the southward shift of CANDICE, the monsoon trough begins to build up again to the north of Saint Brandon. We are beginning to suspect the existence of a low-pressure circulation in the low-level clouds, with a very stretched center located close to the TM, to the east of Saint Brandon. The formation position of this minimum could be a determining factor in the risk of cyclogenesis. With ANGGREK arriving from the east, surface feeding on the trade winds' side will be weakened until early this week. The further east the system is, the quicker it will regain favourable convergence on the polar side and thus potential for development. The position of the ridge of Mascarene high pressure is also important in the orientation of the trade winds, which may favor convergence. The GFS deterministic model proposes all these elements in a more pronounced way than its European homologue, and therefore deepens faster than IFS, thus proposing a moderate tropical storm from Tuesday. Arome is also proposing a deepening from Monday. Both the European and US ensemble forecasts suggest a low-to-moderate risk of cyclogenesis.

The risk of moderate tropical storm formation becomes very low from Monday, low from Tuesday and moderate from Wednesday in an area stretching from northeast of Saint-Brandon to southeast of the Mascarene Islands.

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.