

AWIO20 FMEE 201033

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 20/04/2025 AT 1200 UTC

PART 1: WARNING SUMMARY

Bulletins WTIO24 and WTIO30 001/15 issued at 06 UTC on Subtropical Depression 15-20242025. Next bulletins issued at 12 UTC.

PART 2 : TROPICAL WEATHER DISCUSSION

The basin remains in an ill-defined configuration of a Near Equatorial Trough (NET) located east of 79E, undulating around 10S, and a Monsoon Trough (MT) between 51 and 61E, undulating around 7S. To the northeast of Rodrigues, the disturbed area tracked over the last few days is still showing moderate to strong convective activity, but far from its center. Convective activity is also present to the north of the Mozambique Channel, and close to subtropical storm KANTO to the south of Madagascar.

The large-scale background remains mostly uncondusive for cyclonic activity due to the MJO's dry phase. A Kelvin wave should overlap with an equatorial Rossby wave next week over the eastern part of the basin, which should enhance vorticity within the NET, but outside of our area of responsibility.

Subtropical Storm KANTO (15-20242025) :

Information at 10 UTC :

Estimated position : 33.2S / 43.7E

Movement : South-east, 6 kt

Maximum wind speed (averaged over 10 minutes) : 40 kt

Estimated central pressure : 994 hPa

For further information, please refer to bulletins WTIO24 and WTIO30 issued at 06 UTC and following.

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:

<i>Very low: less than 10%</i>	<i>Moderate: 30% to 60%</i>	<i>Very high: over 90%</i>
<i>Low: 10% to 30%</i>	<i>High: 60% to 90%</i>	

The Southwestern Indian ocean basin extends from the Equator to 40S and from the african coastlines to 90E.