

AWIO20 FMEE 071039

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2023/05/07 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Nil.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The basin is in a Near Equatorial Trough (NET) pattern that extends east of 60°E between 4 and 6°S. There is moderate to strong convective activity within the NET. A low-pressure circulation is currently present around 6°S,64°E in the western part of the NET, with no significant deepening potential. The basin pattern is linked to a westerly wind surge trailing the MJO convection zone, and to a crossing between a Kelvin wave and an Equatorial Rossby wave.

In the second part of next week, this environment could lead to the formation of a closed circulation in the Indonesian area east of our area of responsibility. From Friday 12 May, some members of the IFS and GFS ensemble forecasts predict an entry of this circulation at tropical depression or even moderate tropical storm stage in the SWIO basin.

There is a very low risk of a tropical storm forming over the eastern end of the basin from Friday 12 May.

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.