

AWIO20 FMEE 241211

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 24/09/2024 AT 1200 UTC

PART 1: WARNING SUMMARY

Nil.

PART 2 : TROPICAL WEATHER DISCUSSION

The beginning of a NET branch is emerging east of 70°E and around 05°S but without associated convective activity.

The MJO's dry phase will linger over the basin during this last third of September, providing an overall inhibiting background for tropical convective activity. This will be temporarily interrupted between Wednesday 25th and Sunday 29th, first by the passage of an equatorial Rossby wave alone then by an overlapping of this one with a Kelvin wave which will trigger a westerly wind burst along the equator and form a temporary Near Equatorial Trough structure east of 65/70E. Nevertheless, associated vorticity should remain insufficient and tropospheric environment should remain too dry and sheared. Even if a weak tropical low pressure area should form, conditions remain unfavorable for tropical storm development within the next 5 days.

Development of a tropical storm is not expected for the next 5 days.

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.