

AWIO20 FMEE 211141

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2022/12/21 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Nil, but RSMC La Reunion will take the lead for issuing advisories on tropical cyclone DARIAN from 12Z onwards.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The basin remains in a Monsoon Trough (MT) pattern east of 50°East, centered around 10°S. On the eastern end of this MT, the very intense tropical cyclone DARIAN will be taken over by the RSMC from 12 UTC. Elsewhere in the MT, the rainstorm activity is decreasing compared to yesterday within the suspect area followed for a few days and located today in the South-East of Chagos. The rainstorm activity is also present on the southern part of the channel within a cold front gradually moving up to the north. A dry phase of the MJO is starting to develop over the western part of the basin and should develop over the Indian Ocean during the next 10 days. The risk of new cyclogenesis within the MT should therefore be reduced over the period.

Very Intense Tropical Cyclone DARIAN :

The system was being tracked by the Australian weather service until 06 UTC but will be monitored from 12 UTC onwards by the RSMC La Reunion as it prepares to cross 90°E.

Information at 09 UTC:

Position: 13.8°S / 90.4°E

Max wind (10-min): 120 kt

Central pressure: 920 hPa

Movement: West at 7 kt

For more information, refer to bulletins WTIO20 and WTIO30 that will be issued at 12 UTC and followings

Southeast of the Chagos :

The rainstorm activity having strongly decreased during the last 24 hours, this area is no longer considered as an area with cyclogenesis potential

In the central Mozambique Channel:

The current rainstorm activity in the South of the channel no longer has the potential to develop into a tropical storm in the short term.

Southeast of Madagascar:

A depression with baroclinic characteristics will deepen far to the south-east of Madagascar tomorrow. Friday night the surface low will become isolated under the upper level cut-off and the environmental conditions could become briefly favorable on Saturday for the formation of a subtropical low before the conditions deteriorate thereafter.

The risk of a subtropical depression forming on Saturday becomes very low over southeast Madagascar.

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:

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

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