

AWIO20 FMEE 171146

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2019/03/17 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Nil.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The monsoon flow is established over the whole basin. On the Eastern part of the basin, the large-scale low-level circulation is affected by the Intense Tropical Cyclone SAVANNAH. Over the center of the basin between 50E and 70E along 12/13S, trade winds are better defined and converge with the monsoon flow to form a Monsoon Trough (MT) pattern.

Overland depression EX- IDAI :

Only a wide clockwise circulation centered on the Eastern half of Zimbabwe remains and concentrates a sustained thunderstorm activity. Mozambique is not spared by these important rainfalls, especially as the models suggest that strong convective bursts could continue to affect the central part of the country at least until next Wednesday. The deterministic and ensemble models available show that the return of the residual circulation over sea is very unlikely. Thus, the system should have completely dissipated by next Friday.

Intense Tropical Cyclone SAVANNAH :

Position at 09Z : 16.3S/90.9E

10mn Max Winds : 95 kt

Min. Pressure : 951 hPa

Motion : West-South-West, 6 kt

SAVANNAH is still in the Australian AoR. It should enter our basin tonight. Thus, La Reunion RSMC will take over from 18UTC.

For further information, please refer to technical bulletins IDW27600 issued by Perth TCWC.

The risk that the intense tropical cyclone SAVANNAH enters our AoR by the East is very high tonight.

Suspect area over the center of the basin :

A wide clockwise circulation is nested within the MT, but remains elongated and with no well-defined center on the 0509Z ASCAT swath. Over the next 5 days, benefiting from rather conducive conditions aloft, this weak system should begin to slowly develop while drifting Westwards. It could take the form of a "monsoon low", before an increase in the upper divergence Friday allow a more significant deepening over next week-end. The CNRM wave filters are analysing this circulation anomaly as the influence of an active Equatorial-Rossby wave.

The risk of formation of a moderate tropical storm North of the Mascarenes archipelago becomes very low from Friday.

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.