

AWIO20 FMEE 041251

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2019/02/04 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO22 and WTIO30 FMEE n°1/08 which will be issued at 12UTC on the tropical
Disturbance 08-20182019

PART 2 :

TROPICAL WEATHER DISCUSSION:

The monsoon flow remains well established west of 70E. It feeds a Monsoon Trough (MT) oriented towards 7S and a large low pressure area within which two low level clockwise circulation are detectable by the last ASCAT swath this morning. Convective activity becoming strong is mainly located near the two clockwise circulations. The Ex-Ridley low level circulation located by 20S/87E at 09UTC, whose low level vortex is visible on satellite images, no longer shows significant convection.

Tropical Disturbance 08-20182019 :

Position at 09UTC : 12.8S/69.3E

Movement: Almost stationary

Maximum mean winds : 20kt

Central pressure: 1007hPa

Suspect area southeast of Agalega :

The 0448UTC ASCAT swath allows to define a clockwise low level circulation towards 12S/59E with maximum winds of about 15kt but which remains rather limited on the east side of the circulation. The 0216UTC SSMIS microwave data validates this circulation, which remains low. Some numerical models significantly increase this circulation. In view of ASCAT data, this approach is not currently being taken by RSMC Météo-France, although this area will intensify in the coming days, which should remain limited, being constrained by the system 08-20182019 which is developing further to the East. However, this suspected area presents a risk of cyclogenesis for the next few days.

Within the next 2 days, the risk of a tropical storm developing becomes very high from Tuesday around 70E for the system 08-20182019 and becomes moderate for the suspect area southeast of Agalega.

Information : Please take note that as of 29 January 2019, the boundary for the transition between the Moderate and High probabilities of cyclogenesis has been adjusted to 60% (instead of 50%).

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.