

AWIO20 FMEE 081211

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2019/03/08 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO20 and WTIO30 FMEE 027/10 issued at 00UTC on Post-Tropical Depression ex-HALEH.

Next warning FQIO20 FMEE issued twice a day.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The monsoon flow remains established between the African coastlines and mainly between 60°E and 70°E. Within the next few days, this area of enhanced transequatorial flow is gradually shifting westwards under the effect of mixed Rossby and equatorial Rossby waves. The convective activity remains mainly located around the Post-Tropical Depression ex-HALEH, and near Overland Depression n°11-20182019, and also east to 75S along 5S axis.

**Overland Depression n°11-20182019 :**

**Position at 09UTC :** 16.6S / 37.3E

**Movement :** Esat-South-Eastward 5 kt

**Maximum 10 min mean winds :** 15 kt

**Central MSLP :** 1004 hPa

The associated low level vorticity remains well defined on visible imagery despite the landmass interaction. The upper level environment remains favorable with good divergence and low deep vertical windshear. From Sunday morning, numerical guidance suggest that this low or a another one will come back oversea or reform over the Mozambique Channel, followed by a new deepening phase. Indeed, lower converge is forecast to be excellent as the upper divergence should be good at south first on the north-western semi-circle. If the low move enough offshore, it will probably reach tropical storm status. Available guidance is in a good agreement with this scenario but differ on the track with some differences in the comeback timing (there is quite 24h diffence in the timingof coming back over sea between GFS and IFS, Ifs is late)

**From Saturday, the risk that this system or a another one becomes a tropical storm over the Mozambique Channel becomes high and very high on Sunday.**

**Post-Tropical Depression ex-HALEH :**

**Position at 09UTC :** 31.7S / 65.7E

**Movement :** South-South-Westward 15 kt

**Maximum 10 min mean winds :** 40 kt

**Central MSLP :** 980 hPa

*For further information, please refer to FQIO20 FMEE.*

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

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