

AWIO20 FMEE 061110

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2019/03/06 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO20 and WTIO30 FMEE 020/10 issued at 06UTC on Tropical Cyclone HALEH.  
Next warning at 12UTC

PART 2 :

TROPICAL WEATHER DISCUSSION:

The monsoon flow remains established between the African coastlines and 75°E and mainly between 55°E and 65°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 Tropical Cyclone HALEH, and near Overland Depression n°11-20182019.

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

**Position at 09UTC :** 15.1S / 36.7E

**Movement :** North-North-Westwards 5 kt

**Maximum 10 min mean winds :** 20 kt

**Central MSLP :** 1002 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. The latest available guidance still bring back the low level vorticity associated with this system over the Mozambique channel before Sunday (still some uncertainty about this timing that should occur between Friday night and Sunday morning). This generally east-south-easterly track should be steered by the low to mid level monsoon surge. The system is expected to benefit from good environmental conditions once it will get back overseas. However there is still the possibility that the system failed to intensify if it remains close to the coasts.

**From Saturday, the risk that this system becomes a tropical storm over the Mozambique Channel becomes moderate.**

**Tropical Cyclone HALEH :**

**Position at 09UTC :** 23.4S / 69.8E

**Movement :** South-Westward 10 kt

**Maximum 10 min mean winds :** 75 kt

**Central MSLP :** 960 hPa

*For further information, please refer to WTIO20 and WTIO30 issued at 06Z and followings.*

*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:      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.*