

AWIO20 FMEE 191139

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2019/01/19 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO24 and WTIO30 FMEE n°002/6 issued at 06 UTC on the Zone of Disturbed Weather 06-20182019. Next warning at 12Z.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The monsoon flow remains established west of 55°E. The Near Equatorial Trough (NET) pattern east of 70°E is less evident today but should strengthen within the next few days enhanced by Kelvin and Equatorial Rossby waves activity.

The Kelvin wave is associated with a rather strong convective activity near the equatorial areas of the tropical Indian ocean. A weak low level circulation has appeared near 4.8°S and 73.4°E that is expected to merge within the equatorial westerlies that are expected to build later next week.

Over the western part of the basin, in addition of the Zone of Disturbed area monitored since yesterday, a new suspect area is under close watch to the North-East of Madagascar.

Suspect area to the North-East of Madagascar:

The convective activity tend to gathering and show some slight signs of development. Environmental pressure show some slight downward trend and latest scatsat data suggest that an ill-defined surface circulation have formed near 13°S and 53°E. The environment appears not conducive to form a tropical storm before the system reach the north-eastern coasts tomorrow. Regardless of development, heavy rainfall are expected over the northern part of Madagascar. Next week, some moisture and low level vorticity associated with this low may found some favorable environmental conditions over the southern Mozambique channel.

Over the next 5 days, the likelihood that a tropical storm forms become low from Tuesday over the southern channel.

Zone of Disturbed Weather 06-20182019:

Position at 09UTC : 24.7S / 37.5E

Movement : slow south-eastwards drift

Maximum mean winds : 25kt

Central pressure : 1002 hPa

For further information, please refer to WTIO30 and WTIO24 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 50% Very high: over 90%
Low: 10% to 30% High: 50% to 90%

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