

AWIO20 FMEE 121030

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2018/01/12 AT 1200 UTC

PART 1:

WARNING SUMMARY:

WTIO20 FMEE warnings will be issued at 12UTC on the area of disturbed weather n°3.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The monsoon flow is well established over the whole basin. West of 75E, convection is mainly located along 10S, over the Northern half of the Mozambique Channel and around the area of disturbed weather n°3.

Area of disturbed weather, North-East of Rodrigues:

Position at 10Z : near 16.4S/68.1E

Motion : South-West at 10kt

Max mean 10m winds : 20/25kt

MSLP : 1002hPa

The cloud pattern did not much evolve since yesterday. The low level circulation is symmetrical and associated to a well defined circulation center, as seen on last sat and micro-wave images. Dry air is currently wrapping around the western semi-circle and tends to slow the cyclogenesis process down. Convective activity is still very influenced by the diurnal cycle while the upper Easterly windshear still affects the system. Over the next two days, as the system tracks Southwestward, the environmental conditions should improve especially aloft with the appearance of a strong poleward divergence. Thus, the cyclogenesis signal remains high within the available model guidance. Inhabitants of Rodrigues island and more generally inhabitants of the Mascareignes islands are invited to monitor the progress of this system during the week-end and next week.

In the Mozambique Channel, the cyclogenesis risk is not suggested anymore by the available guidance.

For the next 5 days, the risk that a moderate tropical storm develops near Rodrigues becomes high from Saturday.

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.