

AWIO20 FMEE 111235

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2018/01/11 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Nil.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The monsoon flow is well established over the whole basin and mainly west of 60°E. After the evacuation from the tropical domain of AVA and IRVING, the thunderstorm activity is gathering again around an Area of Disturbed Weather monitored since yesterday to the south-west of Diego-Garcia. Elsewhere, the deep convection activity is locally strong north of the Mozambique Channel and along an active convergence line axed between 17S/50E - 22S/56E, located on the northern edge of a south-easterly winds surge.

Zone of disturbed weather, South-West of the Chagos Archipelago:

This low is gradually becoming better defined with an increase in the low level clockwise circulation as portrayed by the ascats pass of this morning. At 1045Z, the center is estimated near 13.8S and 69.1E about a little less than 890 km to the north-east of Rodrigues. The current motion is towards the south-south-west at 5-6 kt. MSLP is estimated at 1004 hPa with 20 kt winds. Environmental conditions appear conducive for further development during the next couple of days (improving low level convergence and decreasing of the easterly constraint as soon as tomorrow). Over the next 2 days, the system is expected to track south-westwards and then gradually west-south-westwards as the subtropical ridge should build back south of the system. On this track, it is now very likely that the a tropical storm will form during the week-end potentially near Rodrigues.

Sunday, the subtropical ridge strengthen again to the south-west of the system and may re-orient the track towards the north-west.

Inhabitants of Rodrigues island and more generally inhabitants of the Mascareignes islands should monitor the progress of this system during the week-end and next week.

In the Mozambique Channel, a very low potential for cyclogenesis still exist from Monday but still appear unclear at this time.

For the next 5 days, the risk that a moderate tropical storm develops near Rodrigues becomes high from Saturday. It is very low from Monday in the Mozambique Channel.

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.