AWIO20 FMEE 251221
TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2017/12/25 AT 1200 UTC

PART 1:
WARNING SUMMARY:

Nil.

PART 2 :
TROPICAL WEATHER DISCUSSION:

South-West Indian Ocean basin is in Monsoon Trough (TM) pattern, on the oceanic part, waving between 9 and 11S. Transequatorial flow is however temporarily, weak and poorly convergent, between 55 and 80E. Convective activity is thus low to moderate, and is located mainly south of Diego Garcia near a vorticity area.

At East, near 9.9S 89.1E, a low level elongated circulation can be seen on last observations. However, it is undergoing moderate easterly vertical wind shear in a dry environment, and thus show no potential for significant deepening.

South of Diego Garcia, last ASCAT swaths and microwave imagery depict a broad ill-defined clockwise circulation. A mesoscale vortex is visible, around 08.5S 68.9E at 10Z in the northern part of this area. But this low is unlikely the center of the rotating area.

During the following days, low level convergence on the equatorial side is forecast to increase, and so help the building of a closed clockwise circulation. Deep convection is then expected to increase and limit the influence of the dry environment, with the arrival of an active MJO phase, early January. Cyclogenesis may start then. Global guidance is in a rather good agreement with this scenario for the next 5 days.

For the next 5 days, there is no risk of development of a moderate tropical storm over the basin.

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.