

AWIO20 FMEE 100933

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2016/07/10 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Nil.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The South West Indian Ocean basin is still in a Near Equatorial Trough (NET) pattern, south of the equator, axed along 4S.

Convective activity has remained fluctuant during the past 24hours east to 75E, from the Equator to 10S.

Available satellite pictures do not display any low level closed circulation. But the ASCAT data suggest a broad and elongated low level circulation between 80E and 90E, axed along 4S. The winds are in the range of 10kt equatorward and 15/20kt poleward.

Over the next five days, deep convection is likely to increase inside the NET, with the passage of an equatorial Rossby wave in phasis with the arrival of the MJO over the basin. Then, a low may appear, early next week, according to the numerical guidance and move East-South-Eastward over the high subtropical high pressure.

The presence of a north-easterly upper level constraint is likely to prevent any significant deepening in the begining of the forecast period.

However, at the end of the period, up to wednesday, the low may benefit from a good polar low level convergence as the new anticyclonic cell establishes over the basin, and a weakening upper level constraint. This evolution is also visible on the storm signal of the ECMWF ensemble prediction, with a maximum between the 14 and the 16/07.

Up to wednesday, the likelihood that a tropical depression develops over the basin is very low, and becomes low to moderate beyond.

NOTA BENE: The likelihood is an estimate of the chance of the genesis of a tropical depression 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.