

AWIO20 FMEE 151134

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2021/02/15 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Nil.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The basin remains in a monsoon trough (MT) pattern oriented towards 10.5S/67E and 8.9S/89.5E. The monsoon flow takes a predominant zonal component north of the MT, near 3S, East of 72E. Over the Mozambique Channel the monsoon flow keeps converging towards an overland depression located since the end of last week in Southern Mozambique.

The convective activity is mainly located in the northern part of the MT, in the slowdown area of the monsoon flow, as well as in the central part of the Mozambique Channel in connection with the overland depression in Mozambique.

**Filling Depression FARAJI :**

**Position at 0930 UTC:** 19.5S / 72.3E

**Estimated minimum pressure:** 1008hPa

**Max wind over 10 min:** 25kt in the southern semicircle, by gradient effect.

**Current movement :** ONO 11 kt.

**Overland depression in the South of Mozambique:**

At 0930 UTC, the overland depression is centered around 22.1°S and 33.4°E. This low is expected to remain over land in the Southern region of Mozambique until tomorrow. On Tuesday, the southerly wind behind a front will progress towards the South of Mozambique and will supply moisture to the low pressure system already in place. This will contribute to generate disturbed weather, including heavy rains (50 to 100 mm/12h) over a large part of the southern region of the channel and until the end of the period. In the medium range, it is likely that the overland depression will return on sea, and may define a potential cyclogenesis. The risk is moderate for the moment.

**Development of a moderate tropical storm over the southern part of the channel is moderate from Wednesday onwards.**

*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 60%	Very high:	over 90%
Low:	10% to 30%	High:	60% to 90%		

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