

AWIO20 FMEE 131032

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2021/02/13 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO20 n°033/10 and WTIO30 n°33/10/20202021 on Moderate Tropical Storm
FARAJI.

Next Warnings issued at 12UTC

PART 2 :

TROPICAL WEATHER DISCUSSION:

The basin remains in a monsoon trough (MT) pattern along 11S east of 52E and around 14S east of 67E. In the Mozambique Channel, the monsoon flow converges toward a low-pressure area located overland on southern Mozambique.

Convective activity in the basin is mainly present near FARAJI for the Indian Ocean part, but also to a lesser extent near a low located east of Rodrigues around 21S/67E. In the Mozambique Channel, convective activity is generally strong, in connection with the depression evolving over land on southern Mozambique.

Moderate Tropical Storm FARAJI :

Position at 0900 UTC: 19.4S / 80.0E

Estimated minimum pressure: 997 hPa

Max wind over 10 minutes: 40 kt

Movement: WSW 4 kt

For more information, please refer to the next bulletins issued at 12UTC.

Overland Depression in Southern Mozambique :

At 0900 UTC, the depression is centered over land at about 22.9°S and 34.6°E at a bit more than 100 km northwest of Inhambane.

This depression is expected to station over land in southern Mozambique during the next 2-3 days near the border with Zimbabwe and South Africa. During this period, fairly heavy rains of up to 50 mm in 24 hours and locally up to 100 mm are expected near the low pressure center and locally on the coastal areas between Inhambane and Maputo in the moist easterly sea winds.

Next week, the acceleration of the southerly wind behind a front will increase the convergence of low layers within a Monsoon Trough pattern (MT) which will settle on the South of the channel. It is then not impossible that the low pressure currently on land will return to the sea within this MT where a new minimum will develop. In spite of the development of an upper-troposphere ridge, the presence of land and the lack of consensus within guidances suggest only a low risk of a tropical storm forming on the South of the Canal by mid-week.

Whatever the scenario, this situation will continue to generate sustained bad weather over a large part of the southern part of the Canal. The risk of heavy rains and induced flooding is therefore marked for the southern regions of Mozambique as well as some areas of the west coast of Madagascar.

The risk of tropical storm formation becomes low from Tuesday in the southern part of 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 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.