

AWIO20 FMEE 241132

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2018/04/24 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO22 FMEE and WTIO30 FMEE n° 005/8 issued at 06 hUTC on Severe Tropical
Storm n°08 FAKIR.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The basin is in the Near Equatorial Trough (NET) pattern, centered east of 65E between 04 and 07S. Convective activity is mainly concentrated near the Tropical Depression 08-20172018 and within the NET near the suspect area, east of Diego-Garcia.

Severe Tropical Storm 08-20172018 "Fakir" :

Estimated position at 09Z : 22.4S / 56.7E
Movement : South-South-East 22 kt
Mean 10min maximum winds : 60kt
Estimated MSLP : 977 hPa

For further details, please refer to WTIO22 FMEE and WTIO30 FMEE n°001/8 warnings issued at 06hUTC and followings.

Area of disturbed weather, east of Diego-Garcia:

Last observations suggest that the system has not intensified over the last 24 hours and show sign of desorganisation with an elongated surface circulation, centered approximately near 9S / 83 E at 1045Z. The MSLP is estimated at 1004 hPa and winds reach 10/15 kt and 15/20 respectively north and south of the system.

During the next days, the low is expected to move south then south-westwards, in an environment becoming less and less conducive for cyclogenesis (dry air, decay of low level convergence, and some vertical wind shear). Therefore, the chances of a significant deepening are still limited.

For the next 2 days, the risk of formation of a moderate tropical storm with this suspect area becomes low.

New cyclogenesis signal over the far eastern part of the basin:

During the next week-end, a new low may enter our AoR from the east and may develop into a tropical storm. The signal on ECMWF ensemble forecast is low at this time but seems to consolidate since yesterday.

For the next 5 days, the risk of formation of a moderate tropical storm becomes low over the far eastern 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.