

AWIO20 FMEE 181038

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2023/02/18 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO30 FMEE n°016/07 and WTIO20 FMEE n°016/07 issued at 06UTC on Intense Tropical Cyclone FREDDY.

Next warning issued at 12UTC.

PART 2 :

TROPICAL WEATHER DISCUSSION:

The Monsoon trough (MT) remains settled east of 50°E until the Intense Tropical Cyclone FREDDY, undulating between 10 and 15°S. Convective activity is moderate, focused on the equatorial side of the MT, in the slowdown of the monsoon flow slightly increasing compared to yesterday. Convective activity is also present in the Mozambique Channel along the African coast. A new phase of cyclogenesis could appear over the extreme east of the basin during the next week.

Intense Tropical Cyclone FREDDY :

Informations at 09UTC

Position : 16.1°S / 69.9°E

Movement : West 11 kt

Max wind over 10min : 100 kt

Central pressure : 952 hPa

For more information, please refer to the upcoming warnings WTIO30 and WTIO20 at 12UTC and following.

Over the extreme east of the basin:

A weak clockwise circulation centre is currently observed on conventional satellite imagery northwest of the Coco Islands in the Australian AoR. Under the cover of a wave activity carried by the movement of a Rossby wave and a MRG one, the low level vorticity could gain slightly in definition in the middle of next week, in the wake of the intense tropical cyclone Freddy. European and American deterministic and ensemble models suggest a slow development of this weak vorticity precursor over the eastern basin early next week. A weak cyclogenesis signal appears mid next week south of CHAGOS.

Over the next 5 days, there is a low risk of another tropical storm developing south of Diego-Garcia.

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%

Low: 10% to 30%

Moderate: 30% to 60%

High: 60% to 90%

Very high: over 90%

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