

AWIO20 FMEE 151059

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2013/02/15 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Warnings WTIO20 FMEE and WTIO30 FMEE nr 017/08 issued at 0600Z related to the Moderate Tropical Storm GINO. Next warnings will be issued at 1200Z.

PART 2 :

TROPICAL WEATHER DISCUSSION:

Trans-equatorial monsoon inflow is well established from African Coastlines to 60E. There are two main areas of convective activity in the ITZC : the Moderate Tropical Storm Gino, and an area of disturbed weather

Le flux de mousson est bien établi des côtes Africaines jusque 60E. L'activité convective au sein de la ZCIT se concentre autour de deux zones : la Tempête Tropicale Modérée Gino et une zone perturbée dans le Canal du Mozambique.

Moderate Tropical Storm nr 8 GINO :

At 0900Z : T=2.0, Ci=3.0

Position : 26.4S/85.2E, movement East-south-eastward at 11 kt

MSLP is estimated at 985 hPa

Max 10mn winds estimated at 40 kt

In the Mozambique Channel :

Within the past few hours, convective activity has enhanced between 20S and 23S and East of 40E, and North of 18S, in convergence areas. Last animated satellite pictures suggest a low level circulation North of Europa, located approximately near 21S/40.5E, but remaining poorly defined (cf. MW SSMIS at 0505Z and ASCAT data at 06Z). Minimal sea level pressure is estimated at 1005hPa. Maximum winds (10 min average) are of the order of 15kt but reach 30/35kt in the monsoon flow and under the convection East of the LLCC.

NWP models analyze this low and forecast a Northward movement (toward the Mozambique coastlines) up to 36 tau, ,South to South-Eastward then and after. Environmental conditions may progressively improve, with the enhancement of the trade inflow southward, and a good monsoon inflow. Westerly upper level wind shear is expected to weaken from tomorrow. For the next 48 hours, the limitant factor for the deepening of this low seems to be the vicinity of the Mozambique coastlines. On and after, in its movement southward, system is forecast to deepen progressively.

For the next 48 hours, potential for development of another tropical depression in the Mozambique Channel is weak. Beyond, potential becomes fair to good.