

AWIO20 FMEE 251208

TROPICAL CYCLONE CENTER / RSMC LA REUNION / METEO-FRANCE

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

DATE: 2013/01/25 AT 1200 UTC

PART 1:

WARNING SUMMARY:

Nil.

PART 2 :

TROPICAL WEATHER DISCUSSION:

Monsoon inflow is established between the African coastlines and 60E.

Associated ITCZ remains convectively moderately active, with scattered and fluctuating convection between Equator and 10S from 45E to 65E, and goes down 15S between 65E and 80E.

On the south of the Mozambique Channel, at 1000Z, the residual vortex of the low monitored since few days is totally exposed near 21.4S/42.3E, current movement is North-Westward at about 04kt. MSLP is estimated at 1004hPa according to Morombe observations, with 15/20kt maximum winds near the centre. Convection is fluctuating in the northern semi-circle since today morning. The residual low is forecast to move North-Westward within the next days and may make landfall between Day 2 and Day 4 on the Mozambique coastlines. Among the available NWP models, only Aladin deepen it more significantly just before the landing. This scenario isn't excluded, according to the good ocean heat content, and the weak forecasted vertical wind shear aloft. However, the lowering monsoon inflow, and absence of upper level outflow should brake the development of the system. It should yet generate disturbed weather on the South of the Mozambique Channel, South of Madagascar, and on the Mozambique coastlines on and after Day 2 approximately.

South-West of the Chagos archipelagos, an area of disturbed weather is currently located between 65E and 75E, around 13S. According to the last animated satellite pictures, and available observations, the low level circulation is poorly defined. Associated convective activity is very fluctuating. This area of disturbed weather is expected to move globally westward within the next 3 days, in a south-easterly sheared environment and is not expected to deepen significantly over this period.

For the next 72 hours, potential for development of a tropical depression is poor to fair in the Mozambique Channel.