



Direction Interrégionale de La Réunion
BP 4
97491 Ste Clotilde Cedex
Tel: 0262 92 11 00
Fax exploitation: 0262 92 11 48
Fax direction: 0262 92 11 47



WTIO30 FMEE 111217

RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 2/8/20122013

1.A MODERATE TROPICAL STORM 8 (GINO)

2.A POSITION 2013/02/11 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 13.1 S / 81.0 E

(THIRTEEN DECIMAL ONE DEGREES SOUTH AND EIGHTY ONE DECIMAL ZERO DEGREES EAST)

MOVEMENT : WEST-SOUTH-WEST 10 KT

3.A DVORAK ANALYSIS: 2.5/2.5/D 1.0/24 H

4.A CENTRAL PRESSURE: 995 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 35 KT

RADIUS OF MAXIMUM WINDS (RMW) :NIL

6.A EXTENSION OF WIND BY QUADRANTS (KM):

28 KT NE: 190 SE: 190 SW: 150 NW: 150

34 KT NE: 40 SE: 40 SW: 40 NW: 40

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 1100 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2013/02/12 00 UTC: 15.3 S / 79.2 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

24H: 2013/02/12 12 UTC: 16.9 S / 78.3 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

36H: 2013/02/13 00 UTC: 18.1 S / 77.8 E, MAX WIND=060 KT, SEVERE TROPICAL STORM

48H: 2013/02/13 12 UTC: 19.3 S / 77.8 E, MAX WIND=080 KT, TROPICAL CYCLONE

60H: 2013/02/14 00 UTC: 20.7 S / 78.1 E, MAX WIND=090 KT, INTENSE TROPICAL CYCLONE

72H: 2013/02/14 12 UTC: 22.6 S / 78.8 E, MAX WIND=085 KT, TROPICAL CYCLONE

2.B LONGER-RANGE OUTLOOK :

96H: 2013/02/15 12 UTC: 25.8 S / 81.1 E, MAX WIND=070 KT, TROPICAL CYCLONE

120H: 2013/02/16 12 UTC: 26.1 S / 83.2 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

2.C ADDITIONAL INFORMATION:

T=CI=2.5+.

CONVECTION HAS CONSOLIDATED DURING LAST NIGHT,AND AFTER A SLIGHT WEAKENING OF CONVECTION ACTIVITY IN THE MORNING, A NEW THRUST OF

CONVECTION HELPS THE FORMATION OF CDO SEEN ON THE LAST SATELLITE IMAGERY.

THE SYSTEM IS TRACKING WEST SOUTHWESTWARDS ON THE NORTHERN EDGE OF THE LOW LEVELS RIDGE, IT IS EXPECTED TO TRACK SOUTHWESTWARDS AS A RIDGE BUILDS IN THE EAST OF THE SYSTEM AT MIDDLE LEVEL. ON WEDNESDAY AND BEYOND, THE SYSTEM IS FORECAST TO RECURVE EAST OF 77E UNDER THE COMBINED EFFECT OF THE RIDGE IN THE EAST AND AN ARRIVAL THROUGH IN THE SOUTHWEST.

ON THIS TRACK, CONDITIONS ARE FAVOURABLE TO INTENSIFICATION, WITH THE WEAKENING EASTERLY TO NORTHEASTERLY CONSTRAINT ON MONDAY, THEN UNDER THE RIDGE AXIS ON TUESDAY. ON WEDNESDAY THE BUILDING OF A STRONG POLAR OUTFLOW IS EXPECTED TO INTENSIFY THE SYSTEM UNTIL THE MINIMUM STAGE OF ITC. ENERGETIC POTENTIAL IS GOOD UP TO 20S. ON THURSDAY AND BEYOND THE SYSTEM UNDERGO A STRENGTHENING NORTH-WESTERLY VERTICAL WIND SHEAR.