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WTIO30 FMEE 130012

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

0.A WARNING NUMBER: 8/8/20122013

1.A TROPICAL CYCLONE 8 (GINO)

2.A POSITION 2013/02/13 AT 0000 UTC:

WITHIN 30 NM RADIUS OF POINT 18.4 S / 79.6 E

(EIGHTEEN DECIMAL FOUR DEGREES SOUTH AND SEVENTY NINE DECIMAL SIX DEGREES EAST)

MOVEMENT : SOUTH 8 KT

3.A DVORAK ANALYSIS: 5.0/5.0/D 1.0/18 H

4.A CENTRAL PRESSURE: 965 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 75 KT

RADIUS OF MAXIMUM WINDS (RMW) :65 KM

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

28 KT NE: 410 SE: 410 SW: 410 NW: 260

34 KT NE: 280 SE: 330 SW: 280 NW: 190

48 KT NE: 170 SE: 170 SW: 170 NW: 130

64 KT NE: 90 SE: 90 SW: 90 NW: 90

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 1400 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2013/02/13 12 UTC: 20.0 S / 79.5 E, MAX WIND=085 KT, TROPICAL CYCLONE

24H: 2013/02/14 00 UTC: 21.7 S / 79.8 E, MAX WIND=085 KT, TROPICAL CYCLONE

36H: 2013/02/14 12 UTC: 23.7 S / 81.0 E, MAX WIND=070 KT, TROPICAL CYCLONE

48H: 2013/02/15 00 UTC: 25.4 S / 82.8 E, MAX WIND=060 KT, SEVERE TROPICAL STORM

60H: 2013/02/15 12 UTC: 26.8 S / 84.8 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

72H: 2013/02/16 00 UTC: 26.9 S / 86.8 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

2.B LONGER-RANGE OUTLOOK :

96H: 2013/02/17 00 UTC: 25.7 S / 87.8 E, MAX WIND=030 KT, TROPICAL DEPRESSION

120H: 2013/02/18 00 UTC: 26.0 S / 84.3 E, MAX WIND=025 KT, LOW

2.C ADDITIONAL INFORMATION:

T=CI=5.0-

AS THE SIGNATURE ON MICRO-WAVES DATA GOES ON IMPROVING, THE EYE APPEARS ALWAYS IRREGULAR ON INFRARED METEOSAT7 CHANNELS, DISAPPEARING TEMPORALLY WITHIN A COLDER CDO MORE SYMMETRICAL.

GINO IS MOVING SOUTHWARDS ON THE WESTERN EDGE OF THE LOW TO MID LEVEL RIDGE. WITHIN THE NEXT 24 HOURS, SYSTEM SHOULD BEGIN TO RECURVE SOUTH-SOUTHEASTWARDS THEN SOUTH-EASTWARDS UNDER THE COMBINED EFFECTS OF THE RIDGE EXISTING IN THE EAST AND A MID-LEVEL THROUGH ARRIVING IN THE SOUTH-WEST. AVAILABLE NWP MODELS ARE IN GOOD AGREEMENT TO THIS SCENARIO.

OVER THIS FORECAST TRACK, CONDITIONS ARE FAVOURABLE FOR INTENSIFICATION AS A STRONG OUTFLOW CHANNEL IS BUILDING POLEWARD. SYSTEM SHOULD THEN REACH ITS MAXIMUM INTENSITY TODAY. ON AND AFTER TUESDAY, BEYOND 21S LATITUDE, A WESTERLY TO NORTH-WESTERLY VERTICAL WIND-SHEAR SHOULD RAPIDLY STRENGTHEN, AND SYSTEM IS SHIFTING OVER MARGINAL HEAT OCEANIC CONTENT.

SYSTEM IS THEREFORE EXPECTED TO QUICKLY WEAKEN BY DECELERATING ON A SOUTH-EASTWARDS THEN EASTWARDS TRACK ON THE NORTH-EASTERN EDGE OF A REBUILDING LOW LEVEL RIDGE. NEXT WE , RESIDUAL LOW SHOULD TRACK WESTWARDS AS IT UNDERGOES THE STEERING EASTERLY TRADE WINDS INFLUENCE.