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

0.A WARNING NUMBER: 35/2/20132014

1.A MODERATE TROPICAL STORM 2 (AMARA)

2.A POSITION 2013/12/23 AT 0000 UTC:

WITHIN 40 NM RADIUS OF POINT 22.5 S / 67.9 E

(TWENTY TWO DECIMAL FIVE DEGREES SOUTH AND SIXTY SEVEN DECIMAL NINE DEGREES EAST)

MOVEMENT : EAST 2 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 992 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 40 KT

RADIUS OF MAXIMUM WINDS (RMW) :74 KM

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

28 KT NE: 130 SE: 330 SW: 330 NW: 130

34 KT NE: 110 SE: 190 SW: 190 NW: 110

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1006 HPA / 600 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : SHALLOW

1.B FORECASTS:

12H: 2013/12/23 12 UTC: 22.4 S / 68.2 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

24H: 2013/12/24 00 UTC: 22.3 S / 68.7 E, MAX WIND=030 KT, TROPICAL DEPRESSION

36H: 2013/12/24 12 UTC: 22.2 S / 69.0 E, MAX WIND=025 KT, REMNANT LOW

48H: 2013/12/25 00 UTC: 21.6 S / 68.3 E, MAX WIND=025 KT, REMNANT LOW

60H: 2013/12/25 12 UTC: 21.2 S / 67.0 E, MAX WIND=020 KT, REMNANT LOW

72H: 2013/12/26 00 UTC: 21.2 S / 64.8 E, MAX WIND=020 KT, REMNANT LOW

2.B LONGER-RANGE OUTLOOK :

96H: 2013/12/27 00 UTC: 22.4 S / 62.1 E, MAX WIND=020 KT, REMNANT LOW

120H: 2013/12/28 00 UTC: 23.0 S / 58.7 E, MAX WIND=020 KT, DISSIPATING

2.C ADDITIONAL INFORMATION:

DVORAK ANALYSIS IS NOT POSSIBLE FOR THIS SYSTEM. THE LOW LEVEL CENTRE IS VERY DIFFICULT TO LOCATE AT THIS TIME.

SCATTERED CONVECTION IS REJECTED FAR AWAY IN THE SOUTH-EAST OF THE LOW LEVEL VORTEX DUE TO STRONG WEST-NORTHWESTERLY VERTICAL WIND-SHEAR.

FOR THE NEXT 36 HOURS, THE SYSTEM SHOULD KEEP AN EASTWARD TRACK IN RELATIONSHIP WITH A WEAK STEERING ENVIRONMENT AND PERHAPS WITH THE DISTANT INFLUENCE OF BRUCE. THE WEST-NORTHWESTERLY VERTICAL WIND-SHEAR MAY REMAIN STRONG AND CONTINUE TO WEAKEN RAPIDLY THE SYSTEM.

FROM TUESDAY OR WEDNESDAY, THE WEAKENED SYSTEM SHOULD GO BACK WESTWARD WITH THE STEERING FLOW OF THE SUBTROPICAL HIGH PRESSURES REBUILDING SOUTH OF THE MASCARENES ISLANDS.