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WTIO30 FMEE 201848

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

0.A WARNING NUMBER: 26/2/20132014

1.A INTENSE TROPICAL CYCLONE 2 (AMARA)

2.A POSITION 2013/12/20 AT 1800 UTC:

WITHIN 10 NM RADIUS OF POINT 19.1 S / 64.3 E

(NINETEEN DECIMAL ONE DEGREES SOUTH AND SIXTY FOUR DECIMAL THREE DEGREES EAST)

MOVEMENT : SOUTH-WEST 5 KT

3.A DVORAK ANALYSIS: 5.5/6.0/W 0.5/6 H

4.A CENTRAL PRESSURE: 940 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 100 KT

RADIUS OF MAXIMUM WINDS (RMW) :39 KM

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

28 KT NE: 280 SE: 290 SW: 220 NW: 180

34 KT NE: 180 SE: 190 SW: 170 NW: 130

48 KT NE: 130 SE: 140 SW: 120 NW: 100

64 KT NE: 90 SE: 90 SW: 90 NW: 80

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1009 HPA / 1200 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2013/12/21 06 UTC: 19.8 S / 64.2 E, MAX WIND=090 KT, INTENSE TROPICAL CYCLONE

24H: 2013/12/21 18 UTC: 20.6 S / 64.9 E, MAX WIND=070 KT, TROPICAL CYCLONE

36H: 2013/12/22 06 UTC: 21.2 S / 65.8 E, MAX WIND=055 KT, SEVERE TROPICAL STORM

48H: 2013/12/22 18 UTC: 21.3 S / 66.1 E, MAX WIND=045 KT, MODERATE TROPICAL STORM

60H: 2013/12/23 06 UTC: 21.1 S / 66.3 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

72H: 2013/12/23 18 UTC: 20.8 S / 66.3 E, MAX WIND=030 KT, LOW

2.B LONGER-RANGE OUTLOOK :

96H: 2013/12/24 18 UTC: 20.4 S / 65.5 E, MAX WIND=025 KT, LOW

120H: 2013/12/25 18 UTC: 18.7 S / 64.0 E, MAX WIND=000 , DISSIPATING

2.C ADDITIONAL INFORMATION:

T=5.5+ CI=6.0

DURING THE PAST SIX HOURS, AMARA HAS MOVED ON A SLOWING DOWN SOUTH-

WESTWARD TRACK.

UPPER LEVEL DIVERGENCE REMAINS GOOD OVER ENOUGH OCEAN HEAT POTENTIAL.

WITHIN THE NEXT HOURS, AMARA MAY KEEP ON SLOWING DOWN A LITTLE AND SHOULD BEGIN TO RECURVE SOUTH-SOUTH-WESTWARD, IN RELATION WITH THE WEAKENING OF THE MID-TROPOSPHERIC SUBTROPICAL HIGH PRESSURES EXISTING EASTWARD.

FROM SATURDAY MORNING, A HIGH TO MID-LEVEL TROUGH IS EXPECTED TO MOVE IN THE SOUTH OF THE SYSTEM. THE SYSTEM IS FORECASTED TO RECURVE SOUTHWARD TO SOUTH-EASTWARD , AND BEGIN TO BE WEAKEN, UNDERGOING THE STRENGTHENING WINDSHEAR AHEAD OF THE UPPER LEVEL TROUGH.

FROM SUNDAY, THE WEAKENING SYSTEM IS FORECASTED TO SLOW DOWN UNDER A WEAK STEERING FLOW IN THE MID TO LOW TROPOSPHERE. AT THE END OF THE FORECASTED PERIOD, THE WEAKENED SYSTEM SHOULD GO BACK WESTWARD WITH THE STEERING FLOW OF THE SUBTROPICAL ANTICYCLONE REBUILDING SOUTH OF THE MASCARENES ISLANDS. AS BRUCE SHOULD BE LOCATED TO THE SOUTHEAST OF AMARA AT THIS TIME, THERE IS SOME UNCERTAINTY IN THE TIMING OF THIS RECURVERING SCENARIO.

TEH SYSTEM SHOULD PASS CLOSE TO RODRIGUES ISLAND LATE TONIGHT OR EARLY TOMORROW STILL AT A SIGNIFICANT INTENSITY. ANORMAL SEA LEVEL RISE IN THE RANGE OF 1M50 TO 2M IS POSSIBLE ALONG THE SOUTHERN COASTAL AREAS OF RODRIGUES AS THE SYSTEM WILL MAKE ITS CLOSEST POINT APPROACH.