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WTIO30 FMEE 061837

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

0.A WARNING NUMBER: 8/2/20162017

1.A SUBTROPICAL DEPRESSION 2 (BRANSBY)

2.A POSITION 2016/10/06 AT 1800 UTC:

WITHIN 25 NM RADIUS OF POINT 34.2 S / 48.6 E

(THIRTY FOUR DECIMAL TWO DEGREES SOUTH AND FORTY EIGHT DECIMAL SIX DEGREES EAST)

MOVEMENT : SOUTH-EAST 17 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 998 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :56 KM

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

28 KT NE: 190 SE: 830 SW: NW: 80

34 KT NE: 90 SE: SW: NW:

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 400 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : SHALLOW

1.B FORECASTS:

12H: 2016/10/07 06 UTC: 38.6 S / 51.4 E, MAX WIND=025 KT, LOW

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

OVER THE LAST 6 HOURS, THE LAST CONVECTIVE BURSTS HAVE BEEN SWEEPED FAR AWAY FROM THE CENTER BY A POWERFUL NORTHWESTERLY WINDSHEAR. THE ESTIMATED MSLP IS BASED ON DATA FROM BUOY NR 1400545. BRANSBY'S HIGH MOVING SPEED ALLOWS IT TO KEEP WINDS BLOWING UP TO 35KTS IN THE NORTHEASTERN QUADRANT.

TONIGHT, THE UPPER CUT-OFF LOW WILL KEEP ON SHIFTING EASTWARDS, PUSHED BY THE ARRIVAL OF A POWERFUL WESTERLY JET. BRANSBY WILL THEN CONTINUE TO FILL UP RAPIDLY AS ITS WARM CORE ENTIRELY DISSIPATES. FURTHERMORE, THE SYSTEM IS NOW TRACKING OVER COOL WATERS BELOW 17°C.

AS ANTICIPATED, BRANSBY IS NOW QUICKLY MOVING SOUTHEASTWARD. TOMORROW, IT SHOULD STAY ON THIS TRACK UNTIL FILLING UP WITHIN THE MID-LATITUDES WESTERLIES. THIS TRACK FORECAST IS SHARED BY ALL THE AVAILABLE GUIDANCE WITH A WEAK SPREAD.

THIS IS THE LAST WARNING ISSUED BY RSMC LA REUNION CONCERNING THIS SYSTEM. TROPICAL ACTIVITY IS MONITORED DAILY IN THE AWIO20 WEATHER ADVISORIES ISSUED AT 12UTC.