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

0.A WARNING NUMBER: 20/6/20172018
1.A POST-TROPICAL DEPRESSION 6 (EX-DUMAZILE)

2.A POSITION 2018/03/07 AT 0000 UTC:
WITHIN 20 NM RADIUS OF POINT 26.2 S / 55.2 E
(TWENTY SIX DECIMAL TWO DEGREES SOUTH AND FIFTY FIVE DECIMAL TWO DEGREES EAST)
MOVEMENT : SOUTH-SOUTH-EAST 9 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 962 HPA
5.A MAX AVERAGE WIND SPEED (10 MN): 60 KT
RADIUS OF MAXIMUM WINDS (RMW) :NIL

6.A EXTENSION OF WIND BY QUADRANTS (KM):
28 KT NE: 1,000 SE: 480 SW: 410 NW: 480
34 KT NE: 390 SE: 430 SW: 350 NW: 220
48 KT NE: 130 SE: 150 SW: 130 NW: 70

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 1500 KM
8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:
12H: 2018/03/07 12 UTC: 28.0 S / 56.0 E, MAX WIND=055 KT, POST-TROPICAL DEPRESSION
24H: 2018/03/08 00 UTC: 29.6 S / 57.6 E, MAX WIND=050 KT, POST-TROPICAL DEPRESSION
36H: 2018/03/08 12 UTC: 31.9 S / 60.2 E, MAX WIND=050 KT, POST-TROPICAL DEPRESSION
48H: 2018/03/09 00 UTC: 36.6 S / 62.2 E, MAX WIND=050 KT, POST-TROPICAL DEPRESSION
60H: 2018/03/09 12 UTC: 39.7 S / 62.9 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION
72H: 2018/03/10 00 UTC: 43.1 S / 67.3 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:
DURING THE LAST 6 HOURS, THE CENTER HAS BECOME FULLY EXPOSED DUE TO THE STRONG WESTNORTHWESTWARD VERTICAL WINDSHEAR (ESTIMATED AT 33 KT THANKS TO CIMSS DATA) WITH A DEEP CONVECTION LOCATED ONLY WITHIN THE SOUTHEASTERN SEMI-CIRCLE. WATER VAPOR IMAGERY SHOWS THAT THE SYSTEM INTERACTS WITH THE MID/UPPER LEVEL DRY AIR ASSOCIATED WITH THE APPROACHING UPPER LEVEL TROUGH TO ITS SOUTH-WEST. SO THE SYSTEM IS DOWNGRADED TO A POST-TROPICAL STAGE.

THE SYSTEM IS EXPECTED TO KEEP ON ITS TRACK SOUTH-EASTWARD CIRCUMVENTING THE MID-LEVEL RIDGE. FROM THURSDAY, THE SYSTEM SHOULD ACCELERATE WITHIN THE QUICKLY MID-LATITUDES CIRCULATION AHEAD A WIDE MID-LEVEL TROUGH.

ALL ALONG THIS TRACK, THE SYSTEM IS FORECASTED TO INTERACT WITH SEVERAL JET STREACK ONDULATIONS. THE SYSTEM IS EXPECTED TO EVOLVE LIKE A WARM CORE SECLUSION PERMITTING TO MAINTAIN AN INTENSE BUT SHALLOW CONVECTION WITHIN THE SOUTHERN QUADRANT. FROM WEDNESDAY, IT SHOULD GAIN FRONTAL FEATURE MORE DEFINED.