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METEO FRANCE

WTIO30 FMEE 300018

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

0.A WARNING NUMBER: 4/7/20152016

1.A TROPICAL DEPRESSION 7

2.A POSITION 2016/03/30 AT 0000 UTC:

WITHIN 30 NM RADIUS OF POINT 23.3 S / 80.8 E

(TWENTY THREE DECIMAL THREE DEGREES SOUTH AND EIGHTY DECIMAL EIGHT DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-EAST 20 KT

3.A DVORAK ANALYSIS: 2.0/2.5/S 0.0/12 H

4.A CENTRAL PRESSURE: 997 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 30 KT

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

28 KT NE: 70 SE: 60 SW: 60 NW: 60

34 KT NE: 40 SE: SW: NW:

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1009 HPA / 200 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2016/03/30 12 UTC: 26.0 S / 82.5 E, MAX WIND=025 KT, TROPICAL DISTURBANCE

24H: 2016/03/31 00 UTC: 29.1 S / 85.7 E, MAX WIND=025 KT, POST-TROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

T=2.0+ CI=2.5.

OVER THE LAST 6 HOURS, CLOUD TOPS GOT WARMER, AS A RESULT OF THE INCREASING NORTH-WESTERLY VERTICAL WINDSHEAR. A CIRRUS BOW IS PRESENT IN THE NORTH-WESTERN QUADRANT, IS AN OTHER PROOF OF ITS IMPACT.

THE VWS IS ESTIMATED AT 28KT ACCORDING TO 18Z CIMSS DATA. THE INITIAL CENTER POSITION ESTIMATED IS RATHER UNCERTAIN DUE TO THE SHEARED STRUCTURE.

AHEAD OF THE TROUGH, THE LOW IS EXPECTED TO CONTINUE ITS SOUTH-WESTWARD TRACK. VWS IS LIKELY TO INCREASE AND REMAIN HIGH TODAY. MOREOVER, IN THE NEXT HOURS, IT WILL LEAVE THE WARM WATERS, CONDUCIVE FOR DEEPENING, SOUTH OF 24S. THUS, THE SYSTEM INTENSITY IS FORECAST TO DECAY AND BEGIN AN EXTRA-TROPICALISATION PROCESS. BY THE END OF THE WEEK, IT WILL PROBABLY MERGE WITH THE LOW LEVEL TROUGH.