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METEO FRANCE

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

0.A WARNING NUMBER: 18/3/20152016

1.A MODERATE TROPICAL STORM 3 (CORENTIN)

2.A POSITION 2016/01/24 AT 1800 UTC:

WITHIN 21 NM RADIUS OF POINT 27.3 S / 76.6 E

(TWENTY SEVEN DECIMAL THREE DEGREES SOUTH AND SEVENTY SIX DECIMAL SIX DEGREES EAST)

MOVEMENT : EAST-SOUTH-EAST 9 KT

3.A DVORAK ANALYSIS: 2.5/3.0/S 0.0/12 H

4.A CENTRAL PRESSURE: 980 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :93 KM

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

28 KT NE: 540 SE: 590 SW: 590 NW: 280

34 KT NE: 460 SE: 440 SW: 440 NW: 90

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1008 HPA / 1100 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2016/01/25 06 UTC: 27.5 S / 77.6 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

24H: 2016/01/25 18 UTC: 26.6 S / 77.9 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

36H: 2016/01/26 06 UTC: 26.2 S / 77.2 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

48H: 2016/01/26 18 UTC: 26.4 S / 75.6 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

60H: 2016/01/27 06 UTC: 26.8 S / 74.5 E, MAX WIND=030 KT, POST-TROPICAL DEPRESSION

72H: 2016/01/27 18 UTC: 26.8 S / 73.5 E, MAX WIND=030 KT, POST-TROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2016/01/28 18 UTC: 26.7 S / 71.8 E, MAX WIND=030 KT, REMNANT LOW

120H: 2016/01/29 18 UTC: 26.6 S / 70.3 E, MAX WIND=030 KT, REMNANT LOW

2.C ADDITIONAL INFORMATION:

T=2.5+;CI=3.0-

OVER THE LAST 6 HOURS, DEEP CONVECTION REMAINED MAINLY IN THE EASTERN SEMI-CIRCLE (CF. MW GMI-GPM AT 1401Z).

UNDER THE UPPER LEVEL WINDS CONSTRAINT THAT IS ENHANCING, THE LLCC IS NO LONGER IN PHASE WITH THE DEEP CONVECTION.

THE SYSTEM IS MOVING OVER LOW HEAT POTENTIAL SEAS.

FOR THE NEXT HOURS, IN THIS UNFAVOURABLE ENVIRONMENT, CORENTIN IS EXPECTED TO LOSE ITS PURELY TROPICAL CHARACTERISTICS, AND TO ADOPT A POST-CYCLONIC STRUCTURE.

MONDAY, UNDER THE STEERING INFLUENCE OF THE LOW TO MID-LEVEL SUBTROPICAL RIDGE STRENGTHENING IN ITS SOUTHEAST, THE SYSTEM SHOULD TURN ANTI-CLOCKWISE.

TUESDAY, THE WEAKENED LOW SHOULD BE UNDER THE STEERING FLOW OF THE SUBTROPICAL ANTICYCLONE AND MOVE GLOBALLY WESTWARD.

FOR THE END OF THE FORECAST PERIOD, FROM WEDNESDAY, THERE IS STRONG SPREAD IN THE DETERMINISTIC NWP GUIDANCE. SOME GUIDANCE SUGGEST A ZONAL TRACK, WESTWARD ON THE NORTHERN EDGE OF THE SUBTROPICAL ANTICYCLONE. OTHER GUIDANCE SUGGEST A MERIDIAN TRACK TOWARDS A MID-LATITUDES TROUGH. THE ACTUAL FORECAST IS BASED ON THE FIRST OPTION ACCORDING TO THE LAST AVAILABLE EPS.