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METEO FRANCE
Toujours un temps d'avance

WTIO30 FMEE 261242

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

0.A WARNING NUMBER: 2/7/20122013

1.A TROPICAL DEPRESSION 7

2.A POSITION 2013/01/26 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 13.4 S / 65.5 E

(THIRTEEN DECIMAL FOUR DEGREES SOUTH AND SIXTY FIVE DECIMAL FIVE DEGREES EAST)

MOVEMENT : WEST-SOUTH-WEST 4 KT

3.A DVORAK ANALYSIS: 2.5/2.5/D 0.5/12 H

4.A CENTRAL PRESSURE: 999 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :19 KM

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

28 KT NE: 240 SE: 90 SW: 60 NW: 40

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1009 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2013/01/27 00 UTC: 13.7 S / 64.0 E, MAX WIND=030 KT, TROPICAL DEPRESSION

24H: 2013/01/27 12 UTC: 14.0 S / 62.2 E, MAX WIND=025 KT, TROPICAL DISTURBANCE

36H: 2013/01/28 00 UTC: 14.2 S / 60.1 E, MAX WIND=025 KT, TROPICAL DISTURBANCE

48H: 2013/01/28 12 UTC: 14.2 S / 57.8 E, MAX WIND=030 KT, TROPICAL DEPRESSION

60H: 2013/01/29 00 UTC: 14.2 S / 55.8 E, MAX WIND=030 KT, TROPICAL DEPRESSION

72H: 2013/01/29 12 UTC: 14.1 S / 54.4 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

2.B LONGER-RANGE OUTLOOK :

96H: 2013/01/30 12 UTC: 15.4 S / 51.3 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

120H: 2013/01/31 12 UTC: 18.3 S / 50.1 E, MAX WIND=070 KT, TROPICAL CYCLONE

2.C ADDITIONAL INFORMATION:

T=2.5- AND CI=2.5

TAKING BENEFIT OF A WEAKENING SOUTHERLY VERTICAL WINDSHEAR,
CONVECTIVE ACTIVITY HAS CONSOLIDATED LAST NIGHT.

IT KEEPS ON ORGANIZING AS A CURVED BAND AT ABOUT 4 TO 5 TENS.

0522Z ASCAT AND 0723Z OSCAT SWATHS REVEALS A VERY ASYMMETRIC WINDS
STRUCTURE.

STRONGEST WINDS EXTEND FAR FROM THE CENTRE IN THE NORTH-EASTERN QUADRANT WHEN EXTENSION REMAINS SMALL IN THE WESTERN SEMI-CIRCLE. SYSTEM IS EXPECTED TO TRACK GLOBALLY WESTWARDS WITHIN THE NEXT 72H TO 84H LEAD TIME.

AS EXPECTED SOUTH-SOUTHEASTERLY WINDSHEAR IS RECENTLY STRENGTHENING BACK AND LOW LEVEL VORTEX HAS TEMPORARILY BEEN PARTIALLY EXPOSED SOUTH OF THE MAIN CONVECTIVE ACTIVITY (REFER TO METEOSAT7 1100Z AND 1200Z IMAGERY).

SOUTHEASTERLY VERTICAL WINDSHEAR IS EXPECTED TO KEEPS ON BEING UNFAVOURABLE UNTIL MONDAY LATE OVER THIS FORECAST TRACK AND A SIGNIFICATIVE DEEPENING SEEMS THEREFORE NOT LIKELY, A WEAKENING SHOULD EVEN OCCUR WITHIN SUNDAY AND MONDAY.

THUESDAY AND WEDNESDAY, ENVIRONMENTAL CONDITIONS ARE EXPECTED TO CLEARLY IMPROVE ALOFT AS VERTICAL WINDSHEAR DECREASES AND AS UPPER LEVEL EQUATORWARD DIVERGENCE KEEPS ON BEING VERY FAVOURABLE.

LOW LEVEL CONVERGENCE REMAINS VERY GOOD WITHIN THE SAME PERIOD, ON THE BOTH SIDES.

SYSTEM IS THEREFORE EXPECTED TO REGULARLY STRENGTHENING AND PASS UNDER THE STEERING INFLUENCE OF THE MID-LEVEL RIDGE EXISTING IN ITS EAST AND IS EXPECTED TO RE-CURVE SOUTH-WESTWARDS ALONG THE EASTERN MALAGASY COASTLINE FROM WEDNESDAY.