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**METEO FRANCE**

WTIO30 FMEE 201230

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

0.A WARNING NUMBER: 4/1/20152016

1.A TROPICAL DEPRESSION 1

2.A POSITION 2015/11/20 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 10.0 S / 71.9 E

(TEN DECIMAL ZERO DEGREES SOUTH AND SEVENTY ONE DECIMAL NINE DEGREES EAST)

MOVEMENT : WEST 7 KT

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

4.A CENTRAL PRESSURE: 998 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :28 KM

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

28 KT NE: SE: 110 SW: 110 NW:

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2015/11/21 00 UTC: 10.5 S / 71.2 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

24H: 2015/11/21 12 UTC: 11.0 S / 70.7 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

36H: 2015/11/22 00 UTC: 11.9 S / 70.6 E, MAX WIND=045 KT, MODERATE TROPICAL STORM

48H: 2015/11/22 12 UTC: 13.1 S / 71.3 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

60H: 2015/11/23 00 UTC: 14.6 S / 72.7 E, MAX WIND=030 KT, TROPICAL DEPRESSION

72H: 2015/11/23 12 UTC: 16.0 S / 74.5 E, MAX WIND=025 KT, LOW

2.B LONGER-RANGE OUTLOOK :

96H: 2015/11/24 12 UTC: 19.3 S / 77.7 E, MAX WIND=020 KT, LOW

120H: 2015/11/25 12 UTC: 21.4 S / 77.8 E, MAX WIND=020 KT, LOW

2.C ADDITIONAL INFORMATION:

FT=2.5+ CI=2.5+

DURING THE LAST 6 HOURS, THE CLOUD PATTERN KEPT IMPROVING. THE 0826Z 85 GHZ GPM MICROWAVE SHOWED BETTER AND BETTER DEFINED LLCC WITH TIGHTLY WOUNDED BANDING AROUND THE CENTER.

THE CURRENT FORECAST TRACK REMAINS CLOSE TO THE PREVIOUS ONE BUT IS SLIGHTLY SHIFTED WESTWARD. THE SYSTEM IS BEGINNING TO SLOW DOWN AND ITS TRAJECTORY TO BEND SOUTHWESTWARD TOWARDS A WEAKNESS IN THE PRESSURE FIELD TO THE SOUTH OF THE SYSTEM. AN EQUATORIAL MID LEVEL RIDGE LOCATED TO THE EAST-NORTH-EAST OF THE SYSTEM SHOULD GRADUALLY STEERED THE SYSTEM SOUTHWARDS AND THEN SOUTHEASTWARDS FROM SATURDAY AND BEYOND WITH A GRADUAL INCREASE IN FORWARD MOTION.

ALONG THIS TRACK, ENVIRONMENTAL CONDITIONS REMAIN GOOD WITH A GOOD UPPER LEVEL DIVERGENCE, 2 OUTFLOWS AND A WEAK VERTICAL WINDSHEAR. THIS WINDOW FOR INTENSIFICATION SHOULD ALLOW THE SYSTEM TO GRADUALLY STRENGTHEN UP TO THE GREATER STAGE OF TROPICAL STORM. BUT ON SATURDAY EVENING, NORTHERLY VERTICAL WINDSHEAR SHOULD INCREASE AHEAD A UPPER LEVEL TROUGH AND THE WINDOW FOR INTENSIFICATION SHOULD BEGIN TO CLOSE. ON SUNDAY, VERTICAL WINDSHEAR IS GOING TO BECOME MODERATE TO STRONG AND THE SYSTEM SHOULD QUICKLY WEAKEN.