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METEO FRANCE

WTIO30 FMEE 110044

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

0.A WARNING NUMBER: 9/2/20152016

1.A MODERATE TROPICAL STORM 2 (BOHALE)

2.A POSITION 2015/12/11 AT 0000 UTC:

WITHIN 30 NM RADIUS OF POINT 15.8 S / 69.3 E

(FIFTEEN DECIMAL EIGHT DEGREES SOUTH AND SIXTY NINE DECIMAL THREE DEGREES EAST)

MOVEMENT : SOUTH-WEST 6 KT

3.A DVORAK ANALYSIS: 2.5/2.5/S 0.0/24 H

4.A CENTRAL PRESSURE: 996 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 35 KT

RADIUS OF MAXIMUM WINDS (RMW) :83 KM

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

28 KT NE: 220 SE: 220 SW: 170 NW: 170

34 KT NE: 80 SE: 80 SW: 80 NW: 80

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1009 HPA / 1300 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2015/12/11 12 UTC: 16.6 S / 68.7 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

24H: 2015/12/12 00 UTC: 17.9 S / 67.7 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

36H: 2015/12/12 12 UTC: 19.5 S / 66.6 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

48H: 2015/12/13 00 UTC: 21.3 S / 65.3 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

60H: 2015/12/13 12 UTC: 23.7 S / 64.3 E, MAX WIND=030 KT, TROPICAL DEPRESSION

72H: 2015/12/14 00 UTC: 25.8 S / 63.7 E, MAX WIND=025 KT, POST-TROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2015/12/15 00 UTC: 28.5 S / 65.2 E, MAX WIND=020 KT, LOW

2.C ADDITIONAL INFORMATION:

FT=CI=2.5+

DURING THE LAST 6 HOURS, DEEP CONVECTION HAS STRENGTHENED WITHIN A CURVED BAND LOCATED IN THE EASTERN AND SOUTHERN OF THE CENTER. 2200Z 37GHZ SSMI MICROWAVE IMAGERY SHOWS A LOW LEVEL CLOCKWISE CIRCULATION WELL DEFINED WITH AN EYE NEARLY CLOSED. THANKS TO THIS DATA AND THE ANIMATED INFRARED IMAGERY, THE SYSTEM HAS NAMED BOHALE AT 0000Z.

BOHALE IS CURRENTLY TRACKING WESTSOUTHWARD, STEERED BY A MID LEVELS RIDGE IN THE EAST AND AND A GEOPOTENTIAL WEAKNESS IN THE SOUTH. AVAILABLE NWP SPREAD HAS DECREASED WITH ANYWAY SOME DIFFERENCES OF VELOCITY ALONG THIS TRACK TOWARDS THE SOUTHWEST. THE OFFICIAL SCENARIO IS CLOSE TO A CONSENSUS OF AVAILABLE MODELS.

THE SYSTEM IS CURRENTLY UNDER THE UPPER LEVEL RIDGE. TODAY, BOHALE SHOULD CONTINUE TO INTENSIFY BENEFITING FROM THIS LOW VERTICAL WIND SHEAR.

FROM SATURDAY, THE NORTHWESTWARD VERTICAL WINDSHEAR AHEAD A NEW UPPER LEVEL TROUGH SHOULD GRADUALLY STRENGTHEN TO BECOME MODERATE THEN STRONG THE NEXT FEW DAYS. THUS, THE SYSTEM SHOULD NOT EXCEED THE MODERATE TROPICAL STORM STAGE.

FROM SUNDAY EVOLVING SOUTH OF 20S, WITH THE INCREASE IN WIND SHEAR AND THE LACK OF OCEANIC CONTENT, THE SYSTEM SHOULD WEAKEN.

FROM MONDAY, THE SYSTEM SHOULD CURVE SOUTHEASTWARD AND FILL UP GRADUALLY.