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METEO FRANCE

WTIO30 FMEE 230130

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

0.A WARNING NUMBER: 11/3/20152016

1.A SEVERE TROPICAL STORM 3 (CORENTIN)

2.A POSITION 2016/01/23 AT 0000 UTC:

WITHIN 20 NM RADIUS OF POINT 21.7 S / 71.7 E

(TWENTY ONE DECIMAL SEVEN DEGREES SOUTH AND SEVENTY ONE DECIMAL SEVEN DEGREES EAST)

MOVEMENT : SOUTH 10 KT

3.A DVORAK ANALYSIS: 4.0/4.0/D 0.5/24 H

4.A CENTRAL PRESSURE: 970 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 60 KT

RADIUS OF MAXIMUM WINDS (RMW) :93 KM

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

28 KT NE: 630 SE: 610 SW: 540 NW: 350

34 KT NE: 330 SE: 330 SW: 310 NW: 230

48 KT NE: 130 SE: 130 SW: 110 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1004 HPA / 1300 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2016/01/23 12 UTC: 23.8 S / 72.1 E, MAX WIND=065 KT, TROPICAL CYCLONE

24H: 2016/01/24 00 UTC: 25.7 S / 73.2 E, MAX WIND=055 KT, SEVERE TROPICAL STORM

36H: 2016/01/24 12 UTC: 27.3 S / 74.9 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

48H: 2016/01/25 00 UTC: 28.0 S / 76.7 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

60H: 2016/01/25 12 UTC: 27.8 S / 77.7 E, MAX WIND=050 KT, POST-TROPICAL DEPRESSION

72H: 2016/01/26 00 UTC: 27.1 S / 77.7 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2016/01/27 00 UTC: 27.8 S / 75.9 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

120H: 2016/01/28 00 UTC: 28.8 S / 75.1 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

2.C ADDITIONAL INFORMATION:

T=CI=4.0+

THE OVERALL PRESENTATION HAS CONTINUED TO SLOWLY IMPROVED WITH A 60 + NM DIAMETER RAGGED EYE. LATEST OBJECTIVE AND SUBJECTIVE GUIDANCE STILL RUN FROM 57 TO 68 KT (10 MIN WINDS). THE CURRENT INTENSITY IS MAINTAIN AT 60 KT ON THE LOW SIDE TO TAKE INTO ACCOUNT THE LACK OF INNER CORE STRUCTURE SEEN ON MW IMAGERY (CF SSMIS AT 2310Z)

CORENTIN HAS STILL SOME FEW HOURS TO BECOME A TROPICAL CYCLONE BEFORE THAT LATER TODAY, AHEAD OF AN UPPER TROUGH, THE NORTH-WESTERLY VERTICAL WIND SHEAR SHOULD INCREASE AND START TO CLOSE THE WINDOWS OF CONDUCIVE ENVIRONMENTAL CONDITIONS.

SUNDAY, SOUTH OF 27S, THE OHC WILL BECOME MARGINAL. THE LOW IS FORECAST TO WEAKEN AND BEGIN AN EXTRATROPICAL TRANSITION FROM SUNDAY EVENING. THE WEAKENED SYSTEM MAY MOVE TEMPORARILY WESTWARD OVER THE NORTHERN SIDE OF THE SUBTROPICAL ANTICYCLONE BUILDING IN ITS SOUTH.

THIS FORECAST IS BASED ON THE AVAILABLE NWP MODELS, IN RATHER GOOD AGREEMENT EXCEPT AT THE END OF THE FORECAST PERIOD WHERE THE SPREAD HAS INCREASED ON THE 12Z CYCLE.