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WTIO30 FMEE 161311

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

0.A WARNING NUMBER: 31/9/20112012

1.A MODERATE TROPICAL STORM 9 (GIOVANNA)

2.A POSITION 2012/02/16 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 25.1 S / 41.2 E

(TWENTY FIVE DECIMAL ONE DEGREES SOUTH AND FORTY ONE DECIMAL TWO DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-EAST 6 KT

3.A DVORAK ANALYSIS: 3.0/3.5/W 0.5/6 H

4.A CENTRAL PRESSURE: 988 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 45 KT

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

28 KT NE: 280 SE: 220 SW: 130 NW: 130

34 KT NE: 190 SE: 170 SW: 0 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1006 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2012/02/17 00 UTC: 25.6 S / 41.6 E, MAX WIND=045 KT, MODERATE TROPICAL STORM

24H: 2012/02/17 12 UTC: 25.9 S / 42.1 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

36H: 2012/02/18 00 UTC: 26.1 S / 42.9 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

48H: 2012/02/18 12 UTC: 26.3 S / 44.0 E, MAX WIND=055 KT, SEVERE TROPICAL STORM

60H: 2012/02/19 00 UTC: 26.2 S / 45.7 E, MAX WIND=065 KT, TROPICAL CYCLONE

72H: 2012/02/19 12 UTC: 25.8 S / 48.1 E, MAX WIND=065 KT, TROPICAL CYCLONE

2.B LONGER-RANGE OUTLOOK :

96H: 2012/02/20 12 UTC: 25.0 S / 50.6 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

120H: 2012/02/21 12 UTC: 24.3 S / 51.5 E, MAX WIND=030 KT, TROPICAL DEPRESSION

2.C ADDITIONAL INFORMATION:

T=3.0- CI=3.5-

THE CURVED BAND PATTERN OF THIS MORNING HAS DETRIORATED DURING THE LAST 6 HOURS ...

MOREOVER, ASCAT DATA OF THIS MORNING (0606Z) SUGGEST THAT THE CURRENT INTENSITY MAY BE A LITTLE BIT GENEROUS ...

GIOVANNA IS LOCATED WITHIN A BAROMETRIC COL SITUATION BETWEEN 2 SUB HIGHS LOCATED OVER AUSTRAL AFRICA AND SOUTH OF LA REUNION.

AVAILABLE GUIDANCE REMAINS IN POOR AGREEMENT EVEN AT SHORT TERM (TOMORROW !!) WITH 2 POSSIBLE TRACKS: TOWARDS THE NORTHWEST AND A HEADING TOWARDS THE MOZABICAN COASTS (NOGAPS, GFDN, UKMO, ALADIN) OR A SOUTHEASTERN AND THEN EASTERN TRACK (ECMWF, GFS)

HOWEVER, THE ECMWF ENSEMBLE STILL GIVE A STRONG WEIGHT TO THE SOUTHEASTWARDS AND EASTWARDS TRACK ... AND THE CURRENT FORECAST REMAINS CLOSE TO THE ECMWF/GFS CONSENSUS.

ON THIS TRACK, GIOVANNA COULD THREATEN THE SOUTH OF MADAGASCAR. INHABITANTS OF THIS AREA ARE INVITED TO CLOSELY FOLLOW THE PROGRESS OF THIS SYSTEM.

GIVEN THE CURRENT HIGH SPREAD AMONGST THE GUIDANCE, INHABITANTS OF THE MOZAMBICAN COASTS BETWEEN BEIRA AND MAPUTO SHOULD CONTINUE TO FOLLOW THE PROGRESS OF GIOVANNA.