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METEO FRANCE
Toujours un temps d'avance

WTIO30 FMEE 200030

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

0.A WARNING NUMBER: 7/9/20122013

1.A SEVERE TROPICAL STORM 9 (HARUNA)

2.A POSITION 2013/02/20 AT 0000 UTC:

WITHIN 21 NM RADIUS OF POINT 21.8 S / 41.0 E

(TWENTY ONE DECIMAL EIGHT DEGREES SOUTH AND FORTY ONE DECIMAL ZERO DEGREES EAST)

MOVEMENT : SOUTH 3 KT

3.A DVORAK ANALYSIS: 3.5/3.5/D 1.0/18 H

4.A CENTRAL PRESSURE: 985 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 50 KT

RADIUS OF MAXIMUM WINDS (RMW) :74 KM

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

28 KT NE: 350 SE: 330 SW: 190 NW: 220

34 KT NE: 280 SE: 280 SW: 190 NW: 170

48 KT NE: 90 SE: 90 SW: 90 NW: 90

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2013/02/20 12 UTC: 22.4 S / 41.2 E, MAX WIND=055 KT, SEVERE TROPICAL STORM

24H: 2013/02/21 00 UTC: 22.6 S / 41.5 E, MAX WIND=060 KT, SEVERE TROPICAL STORM

36H: 2013/02/21 12 UTC: 22.8 S / 41.8 E, MAX WIND=065 KT, TROPICAL CYCLONE

48H: 2013/02/22 00 UTC: 22.9 S / 42.3 E, MAX WIND=075 KT, TROPICAL CYCLONE

60H: 2013/02/22 12 UTC: 23.5 S / 43.4 E, MAX WIND=080 KT, TROPICAL CYCLONE

72H: 2013/02/23 00 UTC: 25.0 S / 44.8 E, MAX WIND=000 , OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2013/02/24 00 UTC: 27.7 S / 47.8 E, MAX WIND=030 KT, TROPICAL DEPRESSION

120H: 2013/02/25 00 UTC: 28.9 S / 50.8 E, MAX WIND=025 KT, TROPICAL DISTURBANCE

2.C ADDITIONAL INFORMATION:

T=CI=3.5+

LATEST IR IMAGERY SHOW A BUILDING EYE RAGGED AND VERY ELONGATED WITHIN A CDO BECOMING MORE SYMMETRICAL CURRENTLY ASSOCIATED WITH A RATHER LARGE RMW.

WITHIN THE NEXT 12 HOURS, THE LOW IS EXPECTED TO KEEP ON DRIFTING

SLOWLY SOUTHWARD TOWARD A WEAK IN THE SUBTROPICAL BELT. BEYOND, NWP MODELS ARE NOW IN AGREEMENT FOR A GLOBALLY EAST TO EAST-SOUTH-EASTWARDS TRACK UNDER THE STEERING INFLUENCE OF A BROAD MID LEVEL TROUGH TRANSITING SOUTH OF 30S.

IF THAT PHILOSOPHY SEEMS APPROVED BY MOST OF THE GUIDANCE, SOME SIGNIFICANT DIFFERENCES REMAINS IN CHRONOLOGY AND CAP VARIATION ... ECMWF ENSEMBLE SYSTEM MEMBERS ARE ALL GLOBALLY ORIENTED NEAR THIS FORECAST TRACK TOWARD THE SOUTHWESTERN MADAGASCAR ... AND THE PRESENT FORECAST IS IN THE MIDDLE OF THE ENSEMBLE TRACKS.

OVER HIGH ENERGETIC POTENTIAL SEAS (29/30 DEGREES CELCIUS) AND UNDER THE UPPER LEVEL RIDGE, SYSTEM IS EXPECTED TO GRADUALLY STRENGTHEN UNTIL LANDFALL. THE SLOW TRACK EXPECTED BY RSMC SHOULD HOWEVER LIMIT THE MAXIMUM INTENSITY DUE TO NEGATIVE OCEANIC RETRO-ACTION BY COOLING WATER SURFACE.

HARUNA PRESENTS A POTENTIAL THREAT FOR THE SOUTHWESTERN COASTS OF MADAGASCAR WITH A POTENTIAL DIRECT HIT WITHIN THE NEXT 2 TO 3 DAYS. CURRENTLY, COASTAL AREAS BETWEEN MOROMBE AND SOUTHWARDS TO CAP SAINTE-MARIE IS THE POTENTIAL LANDFALL AREA. UNHABITANTS OF THAT AREA SHOULD MONITOR THE PROGRESS OF THIS SYSTEM AND STAY TUNED WITH INFORMATIONS PROVIDED BY THEIR NATIONAL WEATHER SERVICES.