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

0.A WARNING NUMBER: 17/9/20122013

1.A SEVERE TROPICAL STORM 9 (HARUNA)

2.A POSITION 2013/02/22 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 23.1 S / 44.1 E

(TWENTY THREE DECIMAL ONE DEGREES SOUTH AND FORTY FOUR DECIMAL ONE DEGREES EAST)

MOVEMENT : SOUTH-EAST 8 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 975 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

28 KT NE: 190 SE: 160 SW: 310 NW: 240

34 KT NE: 150 SE: 130 SW: 240 NW: 190

48 KT NE: 110 SE: 90 SW: 110 NW: 120

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1004 HPA / 600 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2013/02/23 00 UTC: 24.6 S / 45.8 E, MAX WIND=025 KT, OVERLAND DEPRESSION

24H: 2013/02/23 12 UTC: 25.6 S / 47.7 E, MAX WIND=030 KT, TROPICAL DEPRESSION

36H: 2013/02/24 00 UTC: 27.0 S / 50.3 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

48H: 2013/02/24 12 UTC: 28.2 S / 52.7 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

60H: 2013/02/25 00 UTC: 28.3 S / 54.8 E, MAX WIND=030 KT, FILLING UP

72H: 2013/02/25 12 UTC: 27.8 S / 56.3 E, MAX WIND=025 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK :

96H: 2013/02/26 12 UTC: 25.7 S / 57.4 E, MAX WIND=025 KT, FILLING UP

120H: 2013/02/27 12 UTC: 23.2 S / 55.0 E, MAX WIND=020 KT, FILLING UP

2.C ADDITIONAL INFORMATION:

HARUNA HAS MADE LANDFALL AT ABOUT 30 NM SOUTH OF MOROMBE NEAR 0230Z.

UNTIL SATURDAY, AS A MID-LEVEL TROUGH PASS IN THE SOUTH OF THE SYSTEM, HARUNA SHOULD BE EMBEDDED WITHIN A NORTHWESTERLY STEERING FLOW ON THE SOUTHWESTERN SIDE OF A REBUILDING NEAR EQUATORIAL RIDGE, AND

PROGRESSIVELY ACCELERATE SOUTH-EASTWARD AS IT CROSSES THE SOUTH OF MADAGASCAR.

IT IS NOW EXPECTED TO WEAKEN RAPIDLY OVERLAND BUT STRONG WINDS COULD HOWEVER KEEP ON EXISTING IN THE WESTERN SEMI-CIRCLE WITHIN THE NEXT 12 HOURS.

FROM SATURDAY AND AFTER IT WILL BE BACK OVER WATERS SOUTH-EAST OF MADAGASCAR, SYSTEM SHOULD CONTINUE TO TRACK EAST-SOUTHEASTWARD BY PROGRESSIVELY DECELERATING AGAIN ON AND AFTER SUNDAY.

OVER THAT PORTION OF THE FORECAST TRACK, ENVIRONMENTAL CONDITIONS APPEAR UNFAVOURABLE (STRONG NORTH-WESTERLY WIND-SHEAR AND MARGINAL SST). HOWEVER, SOME SLIGHT INTENSIFICATION MAY BE POSSIBLE.

AT THE END OF THE FORECAST PERIOD, SYSTEM SHOULD NOT EVACUATE TOWARD THE MID-LATITUDES AND TRACK NORTHWARDS THEN NORTH-WESTWARDS ON THE NORTHEASTERN EDGE OF LOW LEVEL HIGH PRESSURES COMING FROM THE SOUTH-WEST.