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

0.A WARNING NUMBER: 22/9/20122013

1.A TROPICAL DEPRESSION 9 (EX-HARUNA)

2.A POSITION 2013/02/23 AT 1800 UTC:

WITHIN 30 NM RADIUS OF POINT 25.1 S / 49.5 E

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

MOVEMENT : EAST-SOUTH-EAST 10 KT

3.A DVORAK ANALYSIS: 2.5/2.5/D 0.5/12 H

4.A CENTRAL PRESSURE: 992 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 30 KT

RADIUS OF MAXIMUM WINDS (RMW) :59 KM

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

28 KT NE: 90 SE: 110 SW: 150 NW: 90

34 KT NE: 0 SE: 0 SW: 60 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1004 HPA / 500 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2013/02/24 06 UTC: 25.8 S / 51.8 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

24H: 2013/02/24 18 UTC: 26.4 S / 53.9 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

36H: 2013/02/25 06 UTC: 26.6 S / 55.9 E, MAX WIND=030 KT, TROPICAL DEPRESSION

48H: 2013/02/25 18 UTC: 26.0 S / 56.7 E, MAX WIND=025 KT, TROPICAL DISTURBANCE

60H: 2013/02/26 06 UTC: 25.1 S / 58.1 E, MAX WIND=025 KT, TROPICAL DISTURBANCE

72H: 2013/02/26 18 UTC: 24.3 S / 58.8 E, MAX WIND=020 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK :

96H: 2013/02/27 18 UTC: 22.5 S / 58.2 E, MAX WIND=020 KT, FILLING UP

120H: 2013/02/28 18 UTC: 19.0 S / 55.7 E, MAX WIND=020 KT, FILLING UP

2.C ADDITIONAL INFORMATION:

T=2.5 AND CI=2.5

EX-HARUNA, HAS COME BACK OVERSEA THIS MORNING NEAR THE CITY OF FORT DAUPHIN (MSLP HAS BEEN ESTIMATED WITH REPORTED PRESSURE OF THIS STATION - 992.3HPA AT 03Z).

SSMIS F16 1432Z SWATH SHOWS THAT LOW LEVEL VORTEX HAS RESISTED TO THE CROSSING OF THE BIG ISLAND AND STILL REMAINS WELL DEFINED. SINCE THE SYSTEM IS BACK OVERSEA, DEEP CONVECTIVE ACTIVITY HAS PROGRESSIVELY CONSOLIDATED INTO CURVED BAND PATTERN AS THE SYSTEM RE-INTENSIFY.

THE RESIDUAL CENTRE IS TRACKING EAST SOUTH-EASTWARDS IN RELATIONSHIP WITH THE LOW LEVEL RIDGE REBUILDING IN THE SOUTHWEST AND IS GOING QUICK AWAY FROM THE MALAGASY COASTLINE.

SYSTEM IS EXPECTED TO TRACK OVER 26/27°C SST, NEAR THE AXIS OF THE UPPER LEVEL RIDGE, WITH A GOOD POLAR OUTFLOW IN THE SOUTH.

DURING THE NEXT 12 TO 18 HOURS LINKED TO THESE SLIGHTLY FAVOURABLE CONDITIONS A TEMPORARY AND LIMITED RE-INTENSIFICATION MAY POSSIBLE.

BEYOND, SST BECOME MARGINAL, THE NORTH-WESTERLY VERTICAL WIND SHEAR IS FORECAST TO STRENGTHEN AND SYSTEM IS THEREFORE EXPECTED TO WEAKEN RAPIDLY.

ON AND AFTER MONDAY, THE REMNANT LOW, IS EXPECTED TO TRACK NORTHWARDS THEN NORTH-WESTWARDS ON THE NORTH-EASTERN THEN NORTHERN EDGE OF THE SUBTROPICAL RIDGE.