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METEO FRANCE
Toujours un temps d'avance

WTIO30 FMEE 201247

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

0.A WARNING NUMBER: 9/9/20122013

1.A TROPICAL CYCLONE 9 (HARUNA)

2.A POSITION 2013/02/20 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 22.0 S / 40.9 E

(TWENTY TWO DECIMAL ZERO DEGREES SOUTH AND FORTY DECIMAL NINE DEGREES EAST)

MOVEMENT : SOUTH 4 KT

3.A DVORAK ANALYSIS: 4.5/4.5/D 1.0/12 H

4.A CENTRAL PRESSURE: 970 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 65 KT

RADIUS OF MAXIMUM WINDS (RMW) :52 KM

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

28 KT NE: 280 SE: 240 SW: 200 NW: 220

34 KT NE: 200 SE: 170 SW: 150 NW: 170

48 KT NE: 120 SE: 120 SW: 100 NW: 100

64 KT NE: 60 SE: 60 SW: 60 NW: 60

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 800 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2013/02/21 00 UTC: 22.7 S / 41.4 E, MAX WIND=080 KT, TROPICAL CYCLONE

24H: 2013/02/21 12 UTC: 22.8 S / 42.2 E, MAX WIND=085 KT, TROPICAL CYCLONE

36H: 2013/02/22 00 UTC: 23.0 S / 43.3 E, MAX WIND=080 KT, TROPICAL CYCLONE

48H: 2013/02/22 12 UTC: 24.3 S / 44.6 E, MAX WIND=035 KT, OVERLAND DEPRESSION

60H: 2013/02/23 00 UTC: 25.6 S / 45.8 E, MAX WIND=030 KT, TROPICAL DEPRESSION

72H: 2013/02/23 12 UTC: 26.8 S / 46.8 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

2.B LONGER-RANGE OUTLOOK :

96H: 2013/02/24 12 UTC: 27.8 S / 50.7 E, MAX WIND=030 KT, TROPICAL DEPRESSION

120H: 2013/02/25 12 UTC: 27.2 S / 53.2 E, MAX WIND=030 KT, TROPICAL DEPRESSION

2.C ADDITIONAL INFORMATIONS:

T=CI=4.5-

NOW AN EYE IS WELL VISIBLE ON CLASSICAL SATELLITE IMAGERY. HARUNA HAS REACHED THE TROPICAL CYCLONE STAGE. THE RADIUS OF MAXIMUM WINDS IS STILL VERY LARGE. NEAR GALE AND GALE FORCE WINDS EXTENSIONS HAVE BEEN CALIBRATED WITH 0648Z METOP ASCAT PASS.

WITHIN THE NEXT 12 HOURS, SYSTEM IS EXPECTED TO MOVE SLOWLY SOUTH-SOUTHEASTWARD. BEYOND, MOST OF AVAILABLE NWP MODELS ARE IN AGREEMENT FOR A GENERALLY EASTWARD TO EAST-SOUTH-EASTWARD TRACK UNDER THE STEERING INFLUENCE OF A BROAD MID LEVEL TROUGH TRANSITING SOUTH OF 30S AND A STRENGTHENING RIDGE IN THE NORTH-EAST, BUT RATHER SIGNIFICANT DIFFERENCES REMAIN IN CHRONOLOGY AND CAP VARIATIONS. GFS FORECAST A MOST SOUTH TRACK AND CONSEQUENTLY DOES TO TRANSIT THE SYSTEM OVERSEA NEAR POINT SOUTH-WEST OF MADAGASCAR.

RSMC OFFICIAL FORECAST TRACK IS BASED ON THE MIDDLE OF THE ENSEMBLE TRACKS FOR THIS PORTION BEFORE THE LANDFALL.

OVER HIGH ENERGETIC POTENTIAL SEAS (29/30 DEGREES C) AND UNDER THE UPPER LEVEL RIDGE, SYSTEM IS EXPECTED TO STRENGTHEN WITHIN THE NEXT 24/36 HOURS BEFORE LANDFALL THAT IS EXPECTED FRIDAY.

HARUNA PRESENTS AN IMPORTANT THREAT FOR THE SOUTH-WESTERN COASTS OF MADAGASCAR THAT SHOULD BE TO IMPINGE WITHIN THE NEXT 2/3 DAYS. CURRENTLY, COASTAL AREAS BETWEEN MOROMBE AND CAP SAINTE-MARIE IS THE POTENTIAL LANDFALL AREA. INHABITANTS OF THIS AREA SHOULD MONITOR THE EVOLUTION OF THIS SYSTEM AND STAY TUNED WITH INFORMATIONS PROVIDED BY THEIR NATIONAL WEATHER SERVICES.

SYSTEM IS EXPECTED TO RETURN OVERSEA FRIDAY TO SATURDAY NIGHT AND TO KEEP A EAST-SOUTH-EASTWARD TRACK WITHOUT NOTABLE RE-INTENSIFICATION DUE TO ENVIRONMENTAL CONDITIONS BECOMING UNFAVOURABLE (STRONG NORTH-WESTERLY WIND-SHEAR AND COOLER SST).