

WTIO30 FMEE 080053

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

0.A WARNING NUMBER: 23/6/20162017

1.A OVERLAND DEPRESSION 6 (EX-ENAWO)

2.A POSITION 2017/03/08 AT 0000 UTC:

WITHIN 30 NM RADIUS OF POINT 15.9 S / 49.3 E

(FIFTEEN DECIMAL NINE DEGREES SOUTH AND FORTY NINE DECIMAL THREE DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-WEST 8 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 985 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

28 KT NE: 370 SE: 370 SW: 280 NW: 190

34 KT NE: 220 SE: 220 SW: 150 NW: 110

48 KT NE: 60 SE: 60 SW: NW:

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 1300 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2017/03/08 12 UTC: 17.1 S / 48.1 E, MAX WIND=035 KT, OVERLAND DEPRESSION

24H: 2017/03/09 00 UTC: 19.7 S / 46.8 E, MAX WIND=035 KT, OVERLAND DEPRESSION

36H: 2017/03/09 12 UTC: 23.8 S / 46.8 E, MAX WIND=035 KT, OVERLAND DEPRESSION

48H: 2017/03/10 00 UTC: 26.3 S / 47.2 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

60H: 2017/03/10 12 UTC: 30.1 S / 49.0 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION

72H: 2017/03/11 00 UTC: 33.8 S / 48.7 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2017/03/12 00 UTC: 39.8 S / 42.9 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

2.C ADDITIONAL INFORMATION:

EX-ENAWO CONTINUE TO GO FURTHER INLAND, WEST OF ANTONGIL BAY. DEEP

CONVECTION NEAR THE CENTRE REMAINS MODERATE, WRAPPING IN BANDS AROUND THE INNER CORE. LAST MICROWAVE DATA (AMSR2 2112Z) CONFIRM THE DECONSTRUCTION OF THE LOW LEVEL CIRCULATION. THE EXACT LOCALISATION OF THE CENTER, IS THUS, QUITE CHALLENGING WITH A POSSIBLE SHIFT WITH THE UPPER CIRCULATION.

DURING THE LAST HOURS, THE SYSTEM STARTED TO ACCELERATE SOUTH-WESTWARDS. FOR THE FOLLOWING DAYS, EX-ENAWO IS EXPECTED TO MAINTAIN A PARABOLIC TRACK SOUTHWARDS, BECAUSE OF THE WEAKENING OF THE MID-TROPOSPHERE RIDGE ON MADAGASCAR. GALE FORCE WINDS ARE EXPECTED TO MAINTAIN ALONG THE EASTERN COAST OF MADAGASCAR AND SHOULD SPREAD OVER THE SOUTH-EASTERN OF MADAGASCAR LATER THIS WEEK. AS THE SYSTEM SHOULD MOVE BACK OVER OPEN WATER THURSDAY NIGHT AROUND THE SOUTH-EAST OF MADAGASCAR, EXTRA-TROPICAL PROCESS SHOULD START SOON WITH A BAROCLINIC INTERACTION WITH AN UPPER LEVEL TROUGH ARRIVING FROM THE SOUTH-WEST, IN A STRONGLY SHEARED ENVIRONMENT, WITH A RAPIDLY DECAYING OCEANIC POTENTIAL.