

WTIO30 FMEE 050621

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

0.A WARNING NUMBER: 12/6/20162017

1.A TROPICAL CYCLONE 6 (ENAWO)

2.A POSITION 2017/03/05 AT 0600 UTC:

WITHIN 30 NM RADIUS OF POINT 13.6 S / 56.0 E

(THIRTEEN DECIMAL SIX DEGREES SOUTH AND FIFTY SIX DECIMAL ZERO DEGREES EAST)

MOVEMENT : WEST 5 KT

3.A DVORAK ANALYSIS: 4.5/4.5/D 0.5/6 H

4.A CENTRAL PRESSURE: 974 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :24 KM

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

28 KT NE: 230 SE: 370 SW: 190 NW: 280

34 KT NE: 130 SE: 220 SW: 110 NW: 150

48 KT NE: 60 SE: 80 SW: 60 NW: 70

64 KT NE: 20 SE: 20 SW: 20 NW: 20

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1008 HPA / 1500 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2017/03/05 18 UTC: 13.9 S / 55.2 E, MAX WIND=075 KT, TROPICAL CYCLONE

24H: 2017/03/06 06 UTC: 14.3 S / 54.1 E, MAX WIND=085 KT, TROPICAL CYCLONE

36H: 2017/03/06 18 UTC: 14.9 S / 52.4 E, MAX WIND=095 KT, INTENSE TROPICAL CYCLONE

48H: 2017/03/07 06 UTC: 15.4 S / 51.0 E, MAX WIND=100 KT, INTENSE TROPICAL CYCLONE

60H: 2017/03/07 18 UTC: 16.1 S / 49.9 E, MAX WIND=100 KT, INTENSE TROPICAL CYCLONE

72H: 2017/03/08 06 UTC: 17.4 S / 48.5 E, MAX WIND=055 KT, OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2017/03/09 06 UTC: 20.8 S / 46.8 E, MAX WIND=035 KT, OVERLAND DEPRESSION

120H: 2017/03/10 06 UTC: 24.7 S / 47.0 E, MAX WIND=030 KT, OVERLAND DEPRESSION

2.C ADDITIONAL INFORMATION:

T=CI=4.5-

DURING THE LAST 6 HOURS, THE CLOUD PATTERN CONTINUES TO IMPROVE. THE 0235UTC WINDSAT DATA ALLOWS TO PROVIDE A QUALITY LOCATION AND CONFIRMS THE WESTWARD MOVEMENT. AT 06UTC, THE ENAWO CENTER IS LOCATED AT SOUTH EDGE OF THE COLDEST CLOUD. ENAWO IS NOW TROPICAL CYCLONE, CURRENT INTENSITY ESTIMATION IN ACCORDANCE WITH OBJECTIVE ANALYSIS OF SATCON.

TODAY, THE MID-TROPOSPHERE RIDGE SOUTH OF MADAGASCAR ORIENTS THE TRACK IN A GENERAL DIRECTION TOWARDS WEST-SOUTHWEST. A LANDFALL IS ESTIMATED AT THE EVENING ON TUESDAY IN MADAGASCAR. AFTER LANDING, MOVING SHOULD FOLLOW A PARABOLIC TRACK SOUTHWARDS, BECAUSE OF THE WEAKENING OF THE MIDDLE TROPO RIDGE ON MADAGASCAR.

THE RESUMPTION OF SYSTEM DISPLACEMENT AND THE GOOD ENVIRONMENTAL CONDITIONS (WEAK WINDSHEAR, HIGH OHC ...) DURING THE NEXT DAYS SHOULD ALLOW THE SYSTEM TO CONTINUE INTENSIFICATION UNTIL THE FINAL APPROACH OF MADAGASCAR.