

Direction Interrégionale à la Réunion
50, Boulevard du Chaudron
97490 Sainte-Clotilde
Tél : 0262 92 11 00
Fax Exploitation : 0262 92 11 48
Fax Direction : 0262 92 11 47



WTIO30 FMEE 051237

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

0.A WARNING NUMBER: 13/6/20162017

1.A TROPICAL CYCLONE 6 (ENAWO)

2.A POSITION 2017/03/05 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 14.0 S / 55.6 E

(FOURTEEN DECIMAL ZERO DEGREES SOUTH AND FIFTY FIVE DECIMAL SIX DEGREES EAST)

MOVEMENT : WEST-SOUTH-WEST 5 KT

3.A DVORAK ANALYSIS: 4.5/4.5/S 0.0/6 H

4.A CENTRAL PRESSURE: 970 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 70 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: 2017/03/06 00 UTC: 14.3 S / 54.7 E, MAX WIND=075 KT, TROPICAL CYCLONE

24H: 2017/03/06 12 UTC: 14.7 S / 53.2 E, MAX WIND=085 KT, TROPICAL CYCLONE

36H: 2017/03/07 00 UTC: 15.2 S / 51.7 E, MAX WIND=090 KT, INTENSE TROPICAL CYCLONE

48H: 2017/03/07 12 UTC: 15.8 S / 50.4 E, MAX WIND=100 KT, INTENSE TROPICAL CYCLONE

60H: 2017/03/08 00 UTC: 16.5 S / 49.2 E, MAX WIND=070 KT, OVERLAND DEPRESSION

72H: 2017/03/08 12 UTC: 17.9 S / 48.0 E, MAX WIND=045 KT, OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2017/03/09 12 UTC: 21.7 S / 46.7 E, MAX WIND=025 KT, OVERLAND DEPRESSION

120H: 2017/03/10 12 UTC: 24.9 S / 46.4 E, MAX WIND=015 KT, DISSIPATING

2.C ADDITIONAL INFORMATION:

T=CI=4.5

A SHATTERED EYE CAN BE NOTICE BY VISIBLE IMAGERY AT 0830 UTC. DURING LAST

HOURS, THE CYCLONE CONTINUES ITS INTENSIFICATION AND ITS EYE SEEMS BETTER DEFINED BY LAST IMAGERY. THE WEST-SOUTHWESTERN MOVEMENT IS NOW WELL DEFINED.

THE MID-TROPOSPHERE RIDGE OVER SOUTH OF MADAGASCAR CONTINUES TO ORIENT THE TRACK IN A GENERAL DIRECTION TOWARDS WEST-SOUTHWEST. THIS TRACK WILL MAINTAIN WITH A RELATIVELY CONSTANT SPEED BEFORE THE LANDFALL, WHICH IS ESTIMATED AT TUESDAY EVENING ON MADAGASCAR. AFTER, MOVING SHOULD FOLLOW A PARABOLIC TRACK SOUTHWARDS, BECAUSE OF THE WEAKENING OF THE MID-TROPOSPHERE RIDGE ON MADAGASCAR. RESIDUAL VORTEX SHOULD TRANSIT ON LAND TOWARDS SOUTH AND DISSIPATE.

THE CURRENT DISPLACEMENT OF CYCLONE ENAWO 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 IN STAGE OF INTENSE TROPICAL CYCLONE.