

WTIO30 FMEE 071308

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

0.A WARNING NUMBER: 21/6/20162017

1.A INTENSE TROPICAL CYCLONE 6 (ENAWO)

2.A POSITION 2017/03/07 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 14.6 S / 50.1 E

(FOURTEEN DECIMAL SIX DEGREES SOUTH AND FIFTY DECIMAL ONE DEGREES EAST)

MOVEMENT : WEST 3 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 940 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 90 KT

RADIUS OF MAXIMUM WINDS (RMW) :11 KM

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

28 KT NE: 350 SE: 370 SW: 280 NW: 280

34 KT NE: 190 SE: 220 SW: 190 NW: 110

48 KT NE: 70 SE: 110 SW: 70 NW: 60

64 KT NE: 50 SE: 60 SW: 40 NW: 30

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 1100 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2017/03/08 00 UTC: 15.8 S / 48.6 E, MAX WIND=040 KT, OVERLAND DEPRESSION

24H: 2017/03/08 12 UTC: 17.2 S / 47.6 E, MAX WIND=035 KT, OVERLAND DEPRESSION

36H: 2017/03/09 00 UTC: 20.1 S / 47.0 E, MAX WIND=035 KT, OVERLAND DEPRESSION

48H: 2017/03/09 12 UTC: 23.0 S / 47.0 E, MAX WIND=035 KT, OVERLAND DEPRESSION

60H: 2017/03/10 00 UTC: 25.4 S / 47.3 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

72H: 2017/03/10 12 UTC: 28.5 S / 49.1 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2017/03/11 12 UTC: 35.9 S / 48.2 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

120H: 2017/03/12 12 UTC: 44.8 S / 44.6 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

2.C ADDITIONAL INFORMATION:

ENAWO MADE LANDFALL AROUND 09:30-09:45 UTC EARLIER THIS AFTERNOON

AFTER AGAIN ANOTHER NORTHWARDS BEND ON ITS GENERALLY WESTWARDS TRACK. THE CENTER FINALLY CROOS THE COAST IN-BETWEEN ANTALAHA AND SAMBAVA (NEAR AMBODIPONT-SAHANA) WITH AN ESTIMATED INTENSITY AT 110 KT. MW IMAGERY REVEAL A COMPACT AND POWERFULL INNER-CORE UNTIL LANDFALL WITH A CONTRACTING EYEWALL

SINCE THAT TIME, THE SYSTEM HAS MOVED LITTLE WITH THE GENERAL LONG-TERM WETWARDS MOTION IMPEDE BY THE ELEVATED MONTAINS OF NORTHERN MADAGASCAR. A WEAKENING TREND DUE TO LAND INTERACTION HAS BEGUN WITH A CLOUD FIELD EYE AND A WARMING OF THE CLOUD TOPS OVER THE INNER-CORE. THE CURRENT INTENSITY IS LOWERED AT 90 KT WITH THE BACK EYEWALL STILL LIKELY OVER WATERS.

ENAWO SHOULD RESUME 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 SOUTHEASTERN OF MADAGASCAR LATER THIS WEEK. AS THE SYSTEM SHOULD MOVE BACK OVER OPEN WATER THURSDAY NIGHT AROUND THE SOUTH-EAST OF MADAGASCAR, EXTRATROP PROCESS SHOULD START SOON WITH A BAROCLINIC INTERACTION WITH AN UPPER LEVEL TROUGH ARRIVING FROM THE SOUTH-WEST.