

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 100129

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

0.A WARNING NUMBER: 31/6/20162017

1.A POST-TROPICAL DEPRESSION 6 (EX-ENAWO)

2.A POSITION 2017/03/10 AT 0000 UTC:

WITHIN 30 NM RADIUS OF POINT 25.5 S / 46.6 E

(TWENTY FIVE DECIMAL FIVE DEGREES SOUTH AND FORTY SIX DECIMAL SIX DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-EAST 15 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 990 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 35 KT

RADIUS OF MAXIMUM WINDS (RMW) :46 KM

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

28 KT NE: 330 SE: 460 SW: 260 NW: 0

34 KT NE: 280 SE: 280 SW: 170 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1003 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2017/03/10 12 UTC: 27.8 S / 48.1 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

24H: 2017/03/11 00 UTC: 30.5 S / 48.6 E, MAX WIND=045 KT, POST-TROPICAL DEPRESSION

36H: 2017/03/11 12 UTC: 33.3 S / 46.3 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

48H: 2017/03/12 00 UTC: 37.0 S / 43.8 E, MAX WIND=030 KT, POST-TROPICAL DEPRESSION

60H: 2017/03/12 12 UTC: 43.7 S / 46.2 E, MAX WIND=025 KT, DISSIPATING

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

EX-ENAWO IS NOW TRACKING OVER OPEN WATER AGAIN BUT ITS CLOUD PATTERN

DID NOT EVOLVE. CONVECTION IS STILL SHEARED BY A NORTHERLY CONSTRAINT. THE WV IMAGES SHOW THE ARRIVAL OF THE UPPER TROUGH FROM THE WEST. THIS TROUGH IS CURRENTLY A BIT TOO FAR TO TRIGGER THE EXTRATROPICALISATION PROCESS. HOWEVER, EX-ENAWO'S CORE HAVE BEEN AFFECTED BY ITS PASSAGE OVER LAND. THUS, THE MODELS ARE IN GOOD AGREEMENT TO ANALYSE AN ALREADY ASYMMETRIC AND SHALLOW CORE. THUS, EX-ENAWO HAS ALREADY BEEN CLASSIFIED AS "POST-TROPICAL".

EX-ENAWO'S TRACK SHOULD REMAIN GLOBALLY MERIDIAN, STEERED BY THE WESTERN SIDE OF THE SUBTROPICAL RIDGE AND THEN BY A LOW-MID TROPOSPHERE TROUGH CIRCULATING IN THE SOUTH. WELL CONSTRAINED BY THESE STRUCTURES, EX-ENAWO'S TRACK FORECAST IS THUS ASSOCIATED WITH RATHER GOOD CONFIDENCE.

THE NORTHERLY SHEAR SHOULD STRENGTHEN TODAY, AHEAD OF AN UPPER TROUGH COMING FROM THE MID-LATITUDES. THUS, THE EXTRA-TROPICALISATION PROCESS SHOULD BEGIN TODAY. THE PHASE DIAGRAMS SHOW THAT THIS INTERACTION SHOULD QUICKLY AFFECT THE CORE STRUCTURE OF THE SYSTEM. OVER COOLING WATERS, THE STRENGTHENING BAROCLINIC PROCESSES COULD TEMPORARILY INTENSIFY THE SYSTEM AGAIN. MONDAY, EX-ENAWO'S RESIDUAL LOW SHOULD MERGE WITH A SURFACE TROUGH ASSOCIATED WITH A MID-LATITUDES DEPRESSION.

THIS MORNING, GALE FORCE WINDS ARE STILL AFFECTING THE SOUTH AND SOUTH-EASTERN COASTS OF MADAGASCAR.