

WTIO30 FMEE 031840

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

0.A WARNING NUMBER: 6/6/20162017

1.A MODERATE TROPICAL STORM 6 (ENAWO)

2.A POSITION 2017/03/03 AT 1800 UTC:

WITHIN 30 NM RADIUS OF POINT 12.8 S / 56.7 E

(TWELVE DECIMAL EIGHT DEGREES SOUTH AND FIFTY SIX DECIMAL SEVEN DEGREES EAST)

MOVEMENT : WEST 3 KT

3.A DVORAK ANALYSIS: 2.5/2.5/D 1.0/24 H

4.A CENTRAL PRESSURE: 998 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: 90 SE: 90 SW: 190 NW: 130

34 KT NE: 50 SE: 0 SW: 90 NW: 60

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 1100 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2017/03/04 06 UTC: 13.3 S / 56.5 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

24H: 2017/03/04 18 UTC: 14.0 S / 56.0 E, MAX WIND=040 KT, MODERATE TROPICAL STORM

36H: 2017/03/05 06 UTC: 14.3 S / 55.4 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

48H: 2017/03/05 18 UTC: 14.7 S / 54.0 E, MAX WIND=060 KT, SEVERE TROPICAL STORM

60H: 2017/03/06 06 UTC: 14.9 S / 52.5 E, MAX WIND=070 KT, TROPICAL CYCLONE

72H: 2017/03/06 18 UTC: 15.2 S / 51.1 E, MAX WIND=080 KT, TROPICAL CYCLONE

2.B LONGER-RANGE OUTLOOK :

96H: 2017/03/07 18 UTC: 16.9 S / 49.4 E, MAX WIND=050 KT, OVERLAND DEPRESSION

120H: 2017/03/08 18 UTC: 19.5 S / 48.6 E, MAX WIND=025 KT, OVERLAND DEPRESSION

2.C ADDITIONAL INFORMATION:

T=CI=2.5+

OVER THE LAST 6 HOURS, THE CLOUD PATTERN REMAINED SIMILAR, WITH VERY

CLOUD TOPS ON INFRARED IMAGERY (NEAR -90 C). THE CENTER IS STILL LOCATED IN THE EASTERN PART OF THE MOST ACTIVE CONVECTIVE MASS, BECAUSE OF AN EASTERLY VERTICAL WINDSHEAR, CONFIRMED BY THE CIMSS (25KT AT 15Z). NEVERTHELESS, UPPER DIVERGENCE LOOKS EXCELLENT IN A VAST WESTERN SEMI-CIRCLE.

ENAWO STARTED TO SLOW DOWN WITH THE WEAKENING OF THE TROPICAL RIDGE THAT DROVE THE TRACK. THUS SOUTHWARD DRIFT IS EXPECTED DURING THE FOLLOWING HOURS. THE TRACK SHOULD RESUME WESTWARDS AT THE END OF WEEK-END AS A MID-LEVEL SUBTROPICAL RIDGE LOCATED OVER SOUTH AFRICA IS EXPECTED TO GRADUALLY EXTEND SOUTH OF MADAGASCAR. AT LONG RANGE, THUS STEERING FLOW MAY DECAY, INDUCING MORE UNCERTAINTY ON THE TRACK FORECAST. WITHIN THE LATEST AVAILABLE NUMERICAL GUIDANCE, THE WESTWARD SHIFT TREND CONTINUES (UKMO, GFS). A LANDFALL OVER THE EASTERN COAST OF MADAGASCAR IS SO MORE LIKELY.

OVER THE NEXT HOURS, ON THIS TRACK, VERTICAL WIND SHEAR IS FORECAST TO REMAIN SIGNIFICANT, PREVENTING ENAWO FROM A FAST DEEPENING. BY THE END OF THE WEEK END, THE UPPER CONSTRAINT MAY DECREASE, AS THE UPPER DIVERGENCE ON THE POLAR SIDE. HOWEVER, WITH STILL A STRONG POTENTIAL, THE SYSTEM IS LIKELY TO INTENSIFY QUICKER. IT IS EXPECTED TO REACH TROPICAL CYCLONE INTENSITY BEFORE MONDAY AND COME CLOSER TO THE NEXT LEVEL BEFORE LANDFALLING.