

WTIO30 FMEE 021256

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

0.A WARNING NUMBER: 2/6/20172018

1.A TROPICAL DISTURBANCE 6

2.A POSITION 2018/03/02 AT 1200 UTC:

WITHIN 30 NM RADIUS OF POINT 12.6 S / 53.7 E

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

MOVEMENT : NORTH-EAST 6 KT

3.A DVORAK ANALYSIS: 2.0/2.0/D 1.0/24 H

4.A CENTRAL PRESSURE: 1000 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 25 KT

RADIUS OF MAXIMUM WINDS (RMW) :74 KM

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

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2018/03/03 00 UTC: 13.8 S / 54.5 E, MAX WIND=030 KT, TROPICAL DEPRESSION

24H: 2018/03/03 12 UTC: 15.8 S / 53.6 E, MAX WIND=035 KT, MODERATE TROPICAL
STORM

36H: 2018/03/04 00 UTC: 17.5 S / 52.3 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

48H: 2018/03/04 12 UTC: 19.5 S / 51.7 E, MAX WIND=065 KT, TROPICAL CYCLONE

60H: 2018/03/05 00 UTC: 21.5 S / 51.9 E, MAX WIND=075 KT, TROPICAL CYCLONE

72H: 2018/03/05 12 UTC: 22.9 S / 52.4 E, MAX WIND=085 KT, TROPICAL CYCLONE

2.B LONGER-RANGE OUTLOOK :

96H: 2018/03/06 12 UTC: 25.3 S / 54.6 E, MAX WIND=070 KT, TROPICAL CYCLONE

120H: 2018/03/07 12 UTC: 28.6 S / 57.7 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

2.C ADDITIONAL INFORMATION:

T=CI=2.0

ON THE LAST SATELLITE IMAGERY, DEEP CONVECTION HAS INTENSIFIED.
ACCORDING TO LAST MW DATA (AMSR 02/03 AT 08H49UTC) DEEP CONVECTION

SHOWS MORE CURVATURE, BUT ORGANISATION NEED AGAIN TO IMPROVE. THE UPPER LEVEL CONDITIONS ENVIRONMENT REMAINS FAVORABLE TO INTENSIFICATION (VERY GOOD UPPER LEVEL DIVERGENCE AND EQUATORIAL OUTFLOW CHANNEL).

IN A FIRST TIME, THE MOVEMENT SHOULD REMAINS WEAK UNDER THE EFFECT OF TWO ANTAGONIST STEERING FLOWS, EASTWARDS IN THE NORTH AND SOUTHWESTWARDS IN THE SOUTH, UNDER THESE EFFECTS THE SYSTEM IS COMPLETING A SMALL LOOP BEFORE TRACKING GENERALLY SOUTHWARD AT THE END OF TODAY

ON SATURDAY, THE SYSTEM IS FORECAST TO INTENSIFY RAPIDLY DUE TO A BUILDING SECOND POLAR OUTFLOW CHANNEL. IT WILL TRACK SLOWLY SOUTHWARDS TO SOUTHWESTWARDS AS A RIDGE BUILDS IN THE MIDDLE LEVEL IN THE EAST OF THE SYSTEM.

ON SUNDAY, THE SYSTEM GOES ON INTENSIFYING, WITH ONLY ON POLAR OUTFLOW CHANNEL LEFT, TRACKING MORE SOUTHWARDS UNDER THE STEERING FLOW OF THE RIDGE PRESENT AT 400HPA.

ON MONDAY, THE SYSTEM IS FORECAST TO BEGIN WEAKENING UNDER A STRENGTHENING WESTERLY UPPER LEVEL CONSTRAINT. THE SYSTEM WILL RECURVE SOUTHEASTWARDS UNDER THE STEERING RIDGE LOCATE NORTHEAST THEN NORTH OF THE SYSTEM.