

WTIO30 FMEE 021840

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 12/5/20202021

1.A TROPICAL DEPRESSION 5

2.A POSITION 2021/01/02 AT 1800 UTC:

WITHIN 20 NM RADIUS OF POINT 14.6 S / 76.8 E  
(FOURTEEN DECIMAL SIX DEGREES SOUTH AND  
SEVENTY SIX DECIMAL EIGHT DEGREES EAST)  
MOVEMENT: WEST 7 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 1000 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 30 KT  
RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 0 SE: 240 SW: 150 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1004 HPA / 400 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):

12H: 2021/01/03 06 UTC: 14.7 S / 75.6 E, VENT MAX= 025 KT, DISSIPATING

24H: 2021/01/03 18 UTC: 14.2 S / 75.0 E, VENT MAX= 025 KT, REMNANT LOW

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=CI=NIL

DURING THE LAST 6 HOURS, CONVECTION HAS COLLAPSED NEAR THE CENTER DUE TO THE INTRUSION OF DRY AIR FROM THE SOUTH. THE CONVECTIVE ACTIVITY SHIFTED COMPLETELY AWAY FROM THE CENTER IN THE NORTHEAST SECTOR IN THE AREA OF THE DECELERATION OF THE MONSOON FLOW. THE LAST ASCAT SWATH OF 1608UTC SHOWS A WELL WEAKENED AND RATHER ELONGATED CIRCULATION WITH WINDS HARDLY REACHING 30KT IN THE SOUTH-EAST QUADRANT. THE ABSENCE OF CONVECTION DOES NOT ALLOW THE REALIZATION

OF A DVORAK ANALYSIS.

THE INTRUSION OF DRY AIR DOUBLED BY THE CLOSE PRESENCE OF DANILO SIGNS THE END OF THE 05 SYSTEM. OVER THE NEXT FEW HOURS, THE CIRCULATION OF SYSTEM 05 WILL GRADUALLY DISSIPATE BEFORE DISAPPEARING COMPLETELY INTO THE DANILO CIRCULATION IN ALMOST 24 HOURS, FOLLOWING A GENERALLY WESTERLY TRACK.

THIS IS THE LAST BULLETIN ON THIS SYSTEM.