

WTIO30 FMEE 051232

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 5/3/20212022

1.A FILLING UP 3 (CLIFF)

2.A POSITION 2022/02/05 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 20.7 S / 83.9 E

(TWENTY DECIMAL SEVEN DEGREES SOUTH AND
EIGHTY THREE DECIMAL NINE DEGREES EAST)

MOVEMENT: SOUTH-SOUTH-WEST 10 KT

3.A DVORAK ANALYSIS: 2.0/2.5/W 0.5/24 H

4.A CENTRAL PRESSURE: 997 HPA

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

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 0 SE: 685 SW: 610 NW: 175

34 KT NE: 0 SE: 0 SW: 390 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1004 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):

12H: 2022/02/06 00 UTC: 21.1 S / 81.6 E, VENT MAX= 030 KT, FILLING UP

28 KT NE: 0 SE: 315 SW: 390 NW: 95

24H: 2022/02/06 12 UTC: 21.5 S / 79.1 E, VENT MAX= 030 KT, FILLING UP

28 KT NE: 0 SE: 270 SW: 350 NW: 0

36H: 2022/02/07 00 UTC: 22.1 S / 76.7 E, VENT MAX= 025 KT, REMNANT LOW

48H: 2022/02/07 12 UTC: 22.7 S / 74.1 E, VENT MAX= 025 KT, REMNANT LOW

60H: 2022/02/08 00 UTC: 23.2 S / 72.2 E, VENT MAX= 025 KT, REMNANT LOW

72H: 2022/02/08 12 UTC: 23.5 S / 70.2 E, VENT MAX= 025 KT, REMNANT LOW

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=2.0 CI=2.5

SINCE THIS MORNING, THE CENTER HAS BECOME MORE AND MORE EXPOSED WITH A RESIDUAL CONVECTION PRESENT ONLY IN THE SYNOPTIC CONVERGENCE LOCATED IN THE SOUTH OF THE SYSTEM. WINDS ARE STILL ESTIMATED TO REACH 35 KT IN THE SOUTHERN SEMICIRCLE BUT ONLY BY GRADIENT EFFECT WITH THE SUBTROPICAL HIGH PRESSURE.

THE CENTER, NOW CLEARLY VISIBLE, HAS BEEN RELOCATED FURTHER EAST. CLIFF IS MOVING IN A GENERAL SOUTHWARD DIRECTION UNDER THE INFLUENCE OF A RIDGE OF LOW TO MID-TROPOSPHERE PRESENT TO THE EAST. DURING THE NIGHT, IT IS THE LOW LEVELS SUBTROPICAL RIDGE WHICH IS IN THE SOUTH WHICH TAKES AGAIN THE HAND ON THE DIRECTING FLOW TAKING THE SYSTEM ON A GENERAL WEST-SOUTHWESTWARDS TRACK.

THE WINDOW OF INTENSIFICATION THAT ALLOWED THIS SYSTEM TO REACH THE CHRISTENING STAGE IS NOW DEFINITELY CLOSED. THE DRY MID-TROPOSPHERE AIR DRIVEN BY THE TEMPORARY INCREASE IN SHEAR LAST NIGHT IS SETTling IN OVER THE CENTER AND SHOULD THWART ANY REINTENSIFICATION EFFORTS OVER THE NEXT FEW DAYS.

A RESIDUAL LOW PRESSURE SYSTEM SHOULD PERSIST UNTIL NEXT WEEK WITH WINDS OF 30 KT THEN 25/30 KT PRESENT BY GRADIENT EFFECT IN THE SOUTHERN SEMICIRCLE.

THIS IS THE LAST WARNING ON THIS SYSTEM UNLESS RE-INTENSIFICATION. IT WILL CONTINUE TO BE MONITORED DURING THE NEXT FEW DAYS IN THE AWIO20 DAILY BULLETIN.