

WTIO30 FMEE 031830

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 10/2/20242025

1.A FILLING UP 2 (ANCHA)

2.A POSITION 2024/10/03 AT 1800 UTC:

WITHIN 20 NM RADIUS OF POINT 13.2 S / 69.7 E

(THIRTEEN DECIMAL TWO DEGREES SOUTH AND
SIXTY NINE DECIMAL SEVEN DEGREES EAST)

MOVEMENT: WEST-SOUTH-WEST 14 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 1002 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: 280 SW: 185 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 500 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: SHALLOW

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/10/04 06 UTC: 14.5 S / 68.0 E, VENT MAX= 030 KT, FILLING UP

28 KT NE: 0 SE: 280 SW: 220 NW: 0

24H: 2024/10/04 18 UTC: 15.5 S / 66.8 E, VENT MAX= 025 KT, FILLING UP

36H: 2024/10/05 06 UTC: 16.1 S / 65.7 E, VENT MAX= 025 KT, FILLING UP

48H: 2024/10/05 18 UTC: 16.3 S / 64.7 E, VENT MAX= 020 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

ANCHA CONTINUES ON ITS WEAKENING TREND AND IS NO LONGER A TROPICAL STORM, NOW DOWNGRADED TO A FILLING REMNANT LOW WITH AN EXPOSED LOW-LEVEL VORTEX DEVOID OF ANY DEEP CONVECTION NEAR THE CENTER. OCCASIONAL AND LOCALIZED WEAK CONVECTIVE BURSTS ARE STILL ONGOING IN THE SOUTH-EASTERN QUADRANT MORE THAN 60 NM AWAY FROM THE CENTER. IN THE ABSENCE OF RECENT OBJECTIVE DATA, THE SYSTEM'S INTENSITY IS

ESTIMATED FROM THE LATEST OBJECTIVE SATELLITE ESTIMATES AND SET AT 30KT.

WITH THE SYSTEM'S DECREASING INTENSITY, THE LOW-LEVEL STEERING FLOW IS CURRENTLY DRIVING A WEST-SOUTH-WESTWARD TRACK, FASTER AND SHIFTED SLIGHTLY TO THE NORTH OF MOST NWP SCENARIOS. BY THE END OF THE WEEK, A SIGNIFICANT WEAKNESS IN THE SUBTROPICAL RIDGE SHOULD MAKE THE TRACK CURVE SOUTH-WESTWARDS AND GRADUALLY SLOW DOWN WITHIN A BAROMETRIC COL SITUATION.

THE CURRENT WEAKENING IS MAINLY LINKED TO DRY AIR INTRUSION DRIVEN BY MID-LEVEL WESTERLY SHEAR. DECREASING OCEANIC POTENTIAL WILL ALSO CONTRIBUTE TO FURTHER WEAKENING ALONG WITH CONTINUED DISRUPTION FROM PERSISTENT MODERATE WIND SHEAR UNTIL THE WEEK-END. THE SYSTEM SHOULD THUS REMAIN A FILLING-UP REMNANT LOW WITHOUT ANY PERSISTENT ORGANIZED CONVECTIVE ACTIVITY. NEAR-GALE FORCE WINDS ARE EXPECTED TO CONTINUE ON FRIDAY DUE TO GRADIENT EFFECT IN THE SOUTHERN SEMI-CIRCLE.

NO IMPACTS ARE EXPECTED ON INHABITED LANDS.

LAST BULLETIN UNLESS RE-INTENSIFICATION ISSUED BY RSMC LA REUNION ON THIS SYSTEM. FURTHER INFORMATION ON THIS SYSTEM WILL BE AVAILABLE IN THE DAILY BULLETIN ON TROPICAL WEATHER CONDITIONS OVER THE SOUTH-WEST INDIAN OCEAN ISSUED AT 12Z (AWIO20 FMEE).