

WTIO30 FMEE 041223

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 12/2/20242025

1.A FILLING UP 2 (ANCHA)

2.A POSITION 2024/10/04 AT 1200 UTC:

WITHIN 30 NM RADIUS OF POINT 15.5 S / 67.4 E
(FIFTEEN DECIMAL FIVE DEGREES SOUTH AND
SIXTY SEVEN DECIMAL FOUR DEGREES EAST)
MOVEMENT: SOUTH-WEST 8 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 1004 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: 285 SW: 165 NW: 85

34 KT NE: 0 SE: 0 SW: 120 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: SHALLOW

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/10/05 00 UTC: 16.1 S / 66.6 E, VENT MAX= 025 KT, FILLING UP

24H: 2024/10/05 12 UTC: 16.4 S / 66.1 E, VENT MAX= 025 KT, FILLING UP

36H: 2024/10/06 00 UTC: 16.6 S / 65.3 E, VENT MAX= 020 KT, REMNANT LOW

48H: 2024/10/06 12 UTC: 16.6 S / 64.6 E, VENT MAX= 020 KT, REMNANT LOW

60H: 2024/10/07 00 UTC: 16.4 S / 64.0 E, VENT MAX= 020 KT, REMNANT LOW

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

AFTER THE LATE NIGHT/EARLY MORNING SURGE, ANCHA'S CONVECTIVE ACTIVITY HAS COLLAPSED CONSIDERABLY OVER THE LAST 6 HOURS. THE 0909Z GMI MICROWAVE IMAGE SHOWS THAT THE LOW-LEVEL CIRCULATION IS STARTING TO BECOME LESS COMPACT, PROBABLY IN CONTACT WITH THE COOLER WATERS OF THE OCEAN. ANCHA IS THEREFORE DOWNGRADED TO A DEPRESSION FILLING IN

WITH WINDS AROUND 35KT.

LITTLE CHANGE IN TERMS OF TRACK: THE SYSTEM IS CURRENTLY SURFING ON THE NORTH-WESTERN EDGE OF A SUBTROPICAL RIDGE IN THE LOWER TROPOSPHERE, BUT THE IMMINENT ARRIVAL OF A SIGNIFICANT WEAKNESS WITHIN THIS RIDGE WILL GRADUALLY SLOW THE SYSTEM'S SOUTH-WESTERLY TRACK WITHIN A BAROMETRIC COLLAR SITUATION. FROM SUNDAY ONWARDS, THE RESIDUAL MINIMUM SHOULD RESUME WEST-NORTH-WESTWARD WITHIN THE TRADE WINDS.

IN TERMS OF INTENSITY, IN ADDITION TO FURTHER WEAKENING OCEANIC POTENTIAL, DEEP AND MID-TROPOSPHERE SHEAR IS SET TO INCREASE AGAIN OVERNIGHT. THESE UNFAVORABLE CONDITIONS SHOULD CAUSE ANCHA TO FILL IN RAPIDLY AND DEFINITELY OVER THE COURSE OF THE WEEKEND.

NO IMPACTS ARE EXPECTED ON INHABITED LANDS.

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