

WTIO30 FMEE 270116

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 19/3/20232024

1.A MODERATE TROPICAL STORM 3 (CANDICE)

2.A POSITION 2024/01/27 AT 0000 UTC:

WITHIN 40 NM RADIUS OF POINT 27.5 S / 60.7 E

(TWENTY SEVEN DECIMAL FIVE DEGREES SOUTH AND
SIXTY DECIMAL SEVEN DEGREES EAST)

MOVEMENT: SOUTH-WEST 8 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 993 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 40 KT

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 280 SE: 815 SW: 705 NW: 335

34 KT NE: 130 SE: 500 SW: 370 NW: 220

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1006 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: SHALLOW

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/01/27 12 UTC: 29.4 S / 59.0 E, VENT MAX= 035 KT, POST-TROPICAL
DEPRESSION

28 KT NE: 285 SE: 740 SW: 545 NW: 285

34 KT NE: 155 SE: 350 SW: 305 NW: 140

24H: 2024/01/28 00 UTC: 31.5 S / 58.0 E, VENT MAX= 030 KT, POST-TROPICAL
DEPRESSION

28 KT NE: 305 SE: 715 SW: 565 NW: 295

36H: 2024/01/28 12 UTC: 33.6 S / 58.6 E, VENT MAX= 025 KT, EXTRATROPICAL
DEPRESSION

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

MODERATE TROPICAL STORM CANDICE IS CONTINUING ITS PHASE OF SUSTAINED

WEAKENING DUE TO INCREASINGLY HOSTILE ENVIRONMENTAL CONDITIONS, WITH DETRIMENTAL HIGH-LEVEL SHEAR FOR ITS STRUCTURE, AND THE PRESENCE OF UNDERLYING COOL WATERS. CONVECTIVE ACTIVITY IS INSIGNIFICANT. THE 2135Z AMSR-2 PASS REVEALS A BROAD, EXPOSED LOW-LEVEL STRUCTURE, WITH ASYMMETRICAL STRONG WINDS IN THE SYSTEM'S SOUTHERN SEMICIRCLE. CANDICE SHOULD STABILIZE AS A TROPICAL STORM FOR A FEW MORE HOURS BEFORE DEFINITELY LOSING ITS TROPICAL ATTRIBUTES.

IN TERMS OF TRACK, LITTLE CHANGE FROM PREVIOUS FORECASTS. CANDICE'S MOVEMENT IS ESSENTIALLY DRIVEN BY A RIDGE OF HIGH PRESSURE TO THE EAST OF THE SYSTEM. THIS WILL FORCE IT TO MOVE SOUTH-SOUTHEAST DURING THE DAY. FROM SUNDAY ONWARDS, AS THE SYSTEM WEAKENED, THE STEERING FLOWS RESUMED AT LOWER LEVELS. THE SYSTEM RESUMES SOUTHEASTWARD MOVEMENT ALONG THE SOUTHWESTERN EDGE OF THE RIDGE.

IN TERMS OF INTENSITY, CANDICE WILL CONTINUE TO EXPERIENCE STRENGTHENING NORTH TO NORTH-WESTERLY WINDSHEAR ALOFT, AS WELL AS DRY AIR INTRUSION. IN ADDITION, THE PRESENCE OF COLDER WATERS IS HELPING TO WEAKEN CANDICE OVER THE NEXT FEW HOURS, AS IT BEGINS ITS EXTRATROPICALIZATION PHASE. ON SUNDAY, IT WILL EVOLVE INTO AN EXTRATROPICAL DEPRESSION AS IT FILLS IN.

NO IMPACT ON LAND.