

WTIO30 FMEE 041402 CCA

*****CORRECTIVE*****

RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 1/10/20252026

1.A ZONE OF DISTURBED WEATHER 10

2.A POSITION 2026/02/04 AT 1200 UTC:
WITHIN 40 NM RADIUS OF POINT 11.6 S / 63.6 E
(ELEVEN DECIMAL SIX DEGREES SOUTH AND
SIXTY THREE DECIMAL SIX DEGREES EAST)
MOVEMENT: WEST-SOUTH-WEST 6 KT

3.A DVORAK ANALYSIS: 1.5/1.5/D 1.5/24 H

4.A CENTRAL PRESSURE: 1007 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 25 KT
RADIUS OF MAXIMUM WINDS (RMW): NIL

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

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 600 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):

12H: 2026/02/05 00 UTC: 12.9 S / 62.8 E, VENT MAX= 030 KT, TROPICAL DEPRESSION
28 KT NE: 0 SE: 155 SW: 165 NW: 0

24H: 2026/02/05 12 UTC: 13.9 S / 61.9 E, VENT MAX= 030 KT, TROPICAL DEPRESSION
28 KT NE: 0 SE: 175 SW: 165 NW: 85

36H: 2026/02/06 00 UTC: 14.7 S / 61.2 E, VENT MAX= 035 KT, MODERATE TROPICAL
STORM
28 KT NE: 95 SE: 185 SW: 165 NW: 95
34 KT NE: 65 SE: 130 SW: 95 NW: 0

48H: 2026/02/06 12 UTC: 15.6 S / 60.7 E, VENT MAX= 040 KT, MODERATE TROPICAL
STORM
28 KT NE: 165 SE: 165 SW: 165 NW: 120
34 KT NE: 110 SE: 100 SW: 0 NW: 85

60H: 2026/02/07 00 UTC: 16.4 S / 60.2 E, VENT MAX= 050 KT, SEVERE TROPICAL STORM
28 KT NE: 205 SE: 195 SW: 130 NW: 185
34 KT NE: 130 SE: 120 SW: 85 NW: 110
48 KT NE: 55 SE: 65 SW: 35 NW: 0

72H: 2026/02/07 12 UTC: 16.9 S / 59.8 E, VENT MAX= 060 KT, SEVERE TROPICAL STORM
28 KT NE: 220 SE: 215 SW: 150 NW: 195
34 KT NE: 150 SE: 120 SW: 95 NW: 120
48 KT NE: 65 SE: 55 SW: 55 NW: 45

2.B LONGER-RANGE OUTLOOK:

96H: 2026/02/08 12 UTC: 17.6 S / 58.4 E, VENT MAX= 080 KT, TROPICAL CYCLONE
28 KT NE: 215 SE: 295 SW: 195 NW: 195
34 KT NE: 140 SE: 155 SW: 120 NW: 120
48 KT NE: 55 SE: 65 SW: 55 NW: 45
64 KT NE: 45 SE: 45 SW: 35 NW: 35

120H: 2026/02/09 12 UTC: 18.1 S / 55.6 E, VENT MAX= 085 KT, TROPICAL CYCLONE
28 KT NE: 230 SE: 400 SW: 360 NW: 205
34 KT NE: 150 SE: 205 SW: 205 NW: 120
48 KT NE: 60 SE: 80 SW: 70 NW: 60
64 KT NE: 50 SE: 60 SW: 50 NW: 50

2.C ADDITIONAL INFORMATION:

T=CI=1.5+

A LOW PRESSURE SYSTEM FORMED YESTERDAY 800 KM NORTHEAST OF SAINT BRANDON. CONVECTION HAS GRADUALLY BECOME MORE ORGANISED OVER THE LAST 24 HOURS AND, ABOVE ALL, MORE PERSISTENT NEAR A CENTRE THAT IS BECOMING MORE DEFINITE ACCORDING TO THE LATEST ASCAT PASSES AND SATELLITE IMAGERY.

OVER THE LAST 6 HOURS, CONVECTIVE ACTIVITY HAS BEEN FLUCTUATING NEAR THE CENTRE WITH INCREASED CURVATURE. VISIBLE AND CLASSIC INFRARED IMAGERY HAS ENABLED US TO APPROXIMATELY LOCATE THE CENTRE. THE ABSENCE OF MEASUREMENTS PREVENTS US FROM ACCURATELY DETERMINING THE MAXIMUM WIND SPEED, WHICH IS THEREFORE BASED ON A SUBJECTIVE DVORAK ESTIMATE. THIS ESTIMATES A T AND CI OF 1.5+, CORRESPONDING TO WIND SPEEDS OF 25KT. THE ENVIRONMENT IS STILL UNFAVOURABLE DUE TO SOUTHEAST SHEAR AND THE INTRUSION OF DRY AIR NEAR THE CENTRE, PREVENTING CONVECTION FROM ORGANISING ITSELF PROPERLY IN THE IMMEDIATE TERM. SYSTEM NUMBER 10 IS THEREFORE CLASSIFIED AS A DISTURBED AREA UNTIL THE CENTRE OF THE LOWER LAYERS CAN BE BETTER DETERMINED WITH DEEPER CONVECTION.

REGARDING THE TRACK, THE DISTURBED AREA IS MOVING SOUTH-SOUTHWEST, DRIVEN BY A RIDGE CENTRED EAST OF THE BASIN BUT ALSO BY THE NEAR-EQUATORIAL RIDGE. AS THE SYSTEM MOVES SOUTHWARD, IT INTENSIFIES AND BECOMES INFLUENCED BY HIGHER ALTITUDE FLOWS. ON SATURDAY, IT WILL BE STUCK IN A BAROMETRIC COL BETWEEN TWO RIDGES AND SLOW DOWN BEFORE BEING DRIVEN BY THE FLOW OF THE RIDGE CENTRED SOUTH OF THE MOZAMBIQUE CHANNEL. AFTER SLOWING DOWN SIGNIFICANTLY ON SATURDAY AND SUNDAY, IT SHOULD THEN HEAD WEST-SOUTHWEST AND PASS NORTH OF THE MASCARENE ISLANDS. HOWEVER, THE GUIDANCES OF THE VARIOUS DETERMINISTIC, ENSEMBLE AND AI MODELS SHOW SIGNIFICANT DIVERGENCE, MAKING THE FORECAST OF ITS TRACK VERY UNCERTAIN IN THE MEDIUM TERM.

IN TERMS OF INTENSITY, THE SYSTEM IS EXPECTED TO ENCOUNTER INCREASINGLY FAVOURABLE ENVIRONMENTAL CONDITIONS WITH A DECREASE IN DEEP WIND SHEAR, A MORE MOIST ATMOSPHERE VERTICALLY ALLOWING THE DEVELOPMENT OF A WARM CORE AND AN IMPROVEMENT IN ALTITUDE DIVERGENCE, ALL OVER WARM WATERS. THE SYSTEM IS THEREFORE EXPECTED TO SLOWLY INTENSIFY AND REACH TROPICAL STORM STATUS BY THURSDAY EVENING. INTENSIFICATION WOULD THEN BECOME FASTER AND TROPICAL CYCLONE STATUS COULD BE REACHED ON SUNDAY, OR EVEN INTENSE TROPICAL STATUS ON MONDAY. HERE TOO, THE UNCERTAINTY CAUSED BY THE DIVERGENCE IN GUIDANCES PREVENTS US FROM PROVIDING PRECISE INFORMATION ON THE INTENSITY OF THIS SYSTEM IN THE MEDIUM TERM.

IMPACT ON INHABITED AREAS OVER THE NEXT 72 HOURS:

SAINT BRANDON:

- GALE-FORCE WINDS OR EVEN STORM FORCE WINDS POSSIBLE ON SATURDAY AND INTO THE FOLLOWING NIGHT.
- HEAVY RAIN POSSIBLE FROM SATURDAY. 100-150 MM IN 24 HOURS.
- GRADUAL IMPROVEMENT ON SUNDAY.

THE SYSTEM'S CURRENT INTENSITY DOES NOT JUSTIFY THE ISSUANCE OF REGULAR WARNINGS. NEXT WARNING TOMORROW AT 0600Z.