Direction Interrégionale de Météo-France pour l'Océan Indien
50 Boulevard du Chaudron
97490 Sainte-Clotilde
Tél : 0262 92 11 00

WTIO30 FMEE 061318
RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 1/5/20242025
1.A ZONE OF DISTURBED WEATHER 5

2.A POSITION 2025/01/06 AT 1200 UTC:
WITHIN 20 NM RADIUS OF POINT 14.1 S / 82.4 E
(FOURTEEN DECIMAL ONE DEGREES SOUTH AND
EIGHTY TWO DECIMAL FOUR DEGREES EAST)
MOVEMENT: WEST 12 KT

3.A DVORAK ANALYSIS: NIL
4.A CENTRAL PRESSURE: 1006 HPA
5.A MAX AVERAGE WIND SPEED (10 MN): 20 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 / 500 KM
8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):
12H: 2025/01/07 00 UTC: 14.1 S / 79.6 E, VENT MAX= 025 KT, ZONE OF DISTURBED WEATHER

24H: 2025/01/07 12 UTC: 14.3 S / 76.4 E, VENT MAX= 030 KT, ZONE OF DISTURBED WEATHER
28 KT NE: 150 SE: 195 SW: 220 NW: 110

36H: 2025/01/08 00 UTC: 14.6 S / 72.5 E, VENT MAX= 030 KT, TROPICAL DEPRESSION
28 KT NE: 155 SE: 215 SW: 220 NW: 120

48H: 2025/01/08 12 UTC: 14.8 S / 68.5 E, VENT MAX= 035 KT, MODERATE TROPICAL STORM
28 KT NE: 165 SE: 230 SW: 220 NW: 130
34 KT NE: 100 SE: 140 SW: 140 NW: 85

60H: 2025/01/09 00 UTC: 15.0 S / 64.8 E, VENT MAX= 045 KT, MODERATE TROPICAL STORM
28 KT NE: 185 SE: 260 SW: 220 NW: 140
34 KT NE: 110 SE: 150 SW: 140 NW: 85

72H: 2025/01/09 12 UTC: 15.2 S / 61.7 E, VENT MAX= 045 KT, MODERATE TROPICAL STORM

28 KT NE: 195 SE: 280 SW: 220 NW: 150
34 KT NE: 110 SE: 155 SW: 140 NW: 95

2.B LONGER-RANGE OUTLOOK:
96H: 2025/01/10 12 UTC: 15.5 S / 55.5 E, VENT MAX= 050 KT, SEVERE TROPICAL STORM
28 KT NE: 215 SE: 325 SW: 220 NW: 175
34 KT NE: 130 SE: 175 SW: 140 NW: 100
48 KT NE: 65 SE: 65 SW: 65 NW: 55

120H: 2025/01/11 12 UTC: 14.9 S / 48.8 E, VENT MAX= 045 KT, MODERATE TROPICAL STORM
28 KT NE: 230 SE: 370 SW: 220 NW: 195
34 KT NE: 150 SE: 195 SW: 140 NW: 110

2.C ADDITIONAL INFORMATION:
A DISTURBED ZONE ENTERED THE SOUTH-WEST INDIAN OCEAN BASIN LAST SATURDAY FROM THE EAST. THE ASCAT PASS AT 0438Z SHOWS A CIRCULATION THAT IS STILL ELONGATED, WITH MAXIMUM WINDS ESTIMATED AT 20 KT IN ITS SOUTHERN PART. CONVECTION IS STILL POORLY ORGANIZED, SO A DVORAK CLASSIFICATION CANNOT YET BE ESTABLISHED.

THE SYSTEM'S TRACK IS FORECAST TO THE WEST ON THE EDGE OF A SOUTH-CENTRAL SUBTROPIC DORSAL. THE SYSTEM SHOULD LAND IN NORTHERN MADAGASCAR ON SATURDAY. THE MAIN MODELS AGREE ON THIS SCENARIO. CONFIDENCE IN THE SYSTEM'S TRACK IS THEREFORE FAIRLY HIGH. HOWEVER, UNCERTAINTY ABOUT THE TRAJECTORY INCREASES OVER THE LONG TERM.

THE INTENSITY OF THE SYSTEM IS SET TO INCREASE IN A RATHER FAVORABLE ENVIRONMENTAL CONTEXT OVER THE NEXT FEW DAYS: WEAK TO MODERATE DEEP SHEAR, GOOD UPPER-LEVEL DIVERGENCE BELOW THE RIDGE, HIGH OCEAN POTENTIAL AND FAIRLY GOOD POLAR LOW-LEVEL CONVERGENCE. OVER THE NEXT 24 TO 48 HOURS, CONVECTION WITHIN THE DISTURBED ZONE SHOULD CONTINUE TO ORGANIZE ITSELF, INTENSIFYING INTO A MODERATE TROPICAL STORM. THEREAFTER, IT SHOULD REACH THE STAGE OF A SEVERE TROPICAL STORM BEFORE MAKING LANDFALL OVER MADAGASCAR. HOWEVER, THERE IS STILL CONSIDERABLE UNCERTAINTY AS TO THE MAXIMUM INTENSIFICATION OF THE SYSTEM, AS THERE IS NO CONSENSUS BETWEEN THE VARIOUS MODELS.

THE INHABITANTS OF SAINT-BRANDON, TROMELIN AND NORTHERN MADAGASCAR ARE INVITED TO FOLLOW THE EVOLUTION OF THE SYSTEM (POTENTIAL THREAT BEYOND 72H).