

WTIO30 FMEE 051827

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

0.A WARNING NUMBER: 24/1/20172018

1.A OVERLAND DEPRESSION 1 (AVA)

2.A POSITION 2018/01/05 AT 1800 UTC:

WITHIN 30 NM RADIUS OF POINT 18.4 S / 49.0 E

(EIGHTEEN DECIMAL FOUR DEGREES SOUTH AND FORTY NINE DECIMAL ZERO  
DEGREES EAST)

MOVEMENT : SOUTH-WEST 4 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 980 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 50 KT

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

28 KT NE: 560 SE: 460 SW: NW:

34 KT NE: 190 SE: 150 SW: NW:

48 KT NE: 70 SE: 70 SW: NW:

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1003 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2018/01/06 06 UTC: 19.4 S / 48.3 E, MAX WIND=045 KT, OVERLAND DEPRESSION

24H: 2018/01/06 18 UTC: 21.4 S / 48.3 E, MAX WIND=040 KT, OVERLAND DEPRESSION

36H: 2018/01/07 06 UTC: 23.2 S / 48.3 E, MAX WIND=035 KT, MODERATE TROPICAL  
STORM

48H: 2018/01/07 18 UTC: 24.5 S / 48.0 E, MAX WIND=040 KT, MODERATE TROPICAL  
STORM

60H: 2018/01/08 06 UTC: 25.5 S / 47.4 E, MAX WIND=045 KT, MODERATE TROPICAL  
STORM

72H: 2018/01/08 18 UTC: 26.9 S / 47.1 E, MAX WIND=050 KT, SEVERE TROPICAL STORM

2.B LONGER-RANGE OUTLOOK :

96H: 2018/01/09 18 UTC: 29.7 S / 48.7 E, MAX WIND=045 KT, MODERATE TROPICAL  
STORM

120H: 2018/01/10 18 UTC: 28.3 S / 50.8 E, MAX WIND=035 KT, MODERATE TROPICAL  
STORM

2.C ADDITIONAL INFORMATION:

SINCE THE LANDFALL WHICH OCCURS, A LITTLE BEFORE 12UTC NEAR TOAMASINA, THE EYE HAS PROGRESSIVELY DISAPPEARED WITHIN THE DEEP CONVECTION REMAINING IN CDO PATTERN. IMPORTANT THUNDERSTORM RAINFALLS STRIKE THE MAIN PART OF MALAGASY, MAINLY NORTH OF 20S, NORTH OF 23S ON THE EASTERN REGIONS.

AFTER ITS LANDING, THE SYSTEM IS EXPECTED TO LONG THE COAST BEFORE COMING BACK TO SEA AFTER 24 HOURS. LATER, THE ARRIVAL OF A MID LATITUDES TROUGH IN THE SOUTH SHOULD SLOW DOWN AVA, WHICH COULD TEMPORARILY MOVE EASTWARD THEN NORTHEASTWARDS BUT CONFIDENCE IN THE LONG-TERM FORECAST IS POOR.

WHEN EXITING OVER THE OCEAN, AVA MAY ENCOUNTER VERY FAVORABLE CONDITIONS, WHETHER ATMOSPHERIC OR OCEANIC, FOR A NEW INTENSIFICATION PHASE. A SHORTEST TRACK ON MALAGASY LANDS MAY MAINTAIN MORE IMPORTANT INTENSITY IN THE SYSTEM.