

WTIO30 FMEE 191236

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 8/12/20182019

1.A MODERATE TROPICAL STORM 12 (SAVANNAH)

2.A POSITION 2019/03/19 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 18.4 S / 85.2 E

(EIGHTEEN DECIMAL FOUR DEGREES SOUTH AND  
EIGHTY FIVE DECIMAL TWO DEGREES EAST)

MOVEMENT: WEST 6 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 1002 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 35 KT

RADIUS OF MAXIMUM WINDS (RMW): 46 KM

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

28 KT NE: 170 SE: 190 SW: 190 NW: 90

34 KT NE: 90 SE: 130 SW: 90 NW:

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

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: SHALLOW

1.B FORECASTS:

12H: 2019/03/20 00 UTC: 18.9 S / 83.7 E, VENT MAX= 030 KT, REMNANT LOW

24H: 2019/03/20 12 UTC: 19.3 S / 82.4 E, VENT MAX= 030 KT, REMNANT LOW

36H: 2019/03/21 00 UTC: 19.5 S / 81.0 E, VENT MAX= 030 KT, REMNANT LOW

48H: 2019/03/21 12 UTC: 19.8 S / 79.6 E, VENT MAX= 030 KT, REMNANT LOW

60H: 2019/03/22 00 UTC: 20.2 S / 77.6 E, VENT MAX= 025 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

SAVANNAH CLOUD PATTERN DID NOT EVOLVE TODAY WITH NO CONVECTIVE  
ACTIVITY ON THE TC CORE. A CONVECTIVE BURST JUST OCCURRED BEFORE 12Z IN  
THE SOUTHEASTERN QUADRANT. GIVEN THIS SHEARED PATTERN, INTENSITY WAS  
DECREASED TO 35KT.

WITH THE WEAKENING OF SAVANNAH, THE STEERING FLOW IS RAPIDLY COMING  
DOWN IN THE LOW-LEVELS WHERE THE STRENGTHENING SUBTROPICAL RIDGE IN  
THE SOUTH SHOULD CONTINUE TO STEER A GENERALLY WESTSOUTHWESTWARDS  
TRACK OVER THE NEXT COUPLE OF DAYS. THE MODEL DISPERSION IS LOW.

OVER THE NEXT DAYS, THIS WEST SOUTH WESTERLY CONSTRAINT DOES NOT WEAKEN, PREVENTING CONVECTIVE ACTIVITY FROM A SIGNIFICANT COMING BACK. THE CURRENT WEAKENING IS THUS EXPECTED TO GO ON OVER THE NEXT DAYS AND SYSTEM SHOULD BECOME A REMNANT LOW BY THURSDAY.

THIS IS THE LAST WARNING ON THIS SYSTEM.