

WTIO30 FMEE 191858

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

0.A WARNING NUMBER: 17/3/20182019

1.A MODERATE TROPICAL STORM 3 (BOUCHRA)

2.A POSITION 2018/11/19 AT 1800 UTC:

WITHIN 20 NM RADIUS OF POINT 15.4 S / 79.2 E

(FIFTEEN DECIMAL FOUR DEGREES SOUTH AND SEVENTY NINE DECIMAL TWO DEGREES EAST)

MOVEMENT : WEST-SOUTH-WEST 10 KT

3.A DVORAK ANALYSIS: 2.0/3.0/W 1.5/24 H

4.A CENTRAL PRESSURE: 998 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: 0 SE: 370 SW: 250 NW: 0

34 KT NE: 0 SE: 140 SW: 180 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1008 HPA / 300 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2018/11/20 06 UTC: 16.0 S / 77.9 E, MAX WIND=030 KT, REMNANT LOW

24H: 2018/11/20 18 UTC: 16.4 S / 76.6 E, MAX WIND=030 KT, REMNANT LOW

36H: 2018/11/21 06 UTC: 16.4 S / 75.3 E, MAX WIND=025 KT, REMNANT LOW

48H: 2018/11/21 18 UTC: 16.5 S / 73.6 E, MAX WIND=025 KT, FILLING UP

60H: 2018/11/22 06 UTC: 16.5 S / 71.8 E, MAX WIND=025 KT, FILLING UP

72H: 2018/11/22 18 UTC: 16.5 S / 70.2 E, MAX WIND=025 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

T=2.0 CI=3.0

INCREASING NORTHWESTERLY SHEAR ALONG WITH DEEP DRY AIR ADVECTION
HAVE COMPLETELY DESTROYED BOUCHRA'S CIRCULATION. MW IMAGERY SINCE
THIS AFTERNOON SHOW THAT THE LOW LEVEL CIRCULATION IS QUICKLY

DECOUPLING WITH THE RESIDUAL THUNDERSTORM ACTIVITY. TWO ASCAT PASS TONIGHT WERE HELPFUL TO ASSESS BOTH INTENSITY AND STRUCTURE. ASCAT READS WINDS UP TO 38 KT AND STRONG WINDS ONLY OVER THE SOUTHERN SEMI-CIRCLE. THE FINAL INTENSITY IS BASED ON THE ASCAT DATA THAT ARE IN GOOD AGREEMENT WITH BOTH AVAILABLE SUBJECTIVE AND OBJECTIVE ESTIMATES.

WITH THE ONGOING COLLAPSE OF THE CIRCULATION, THE STEERING LEVEL HAS ALREADY SHIFT TOWARDS THE LOW LEVEL WITH A NEWLY ESTABLISHED WEST-SOUTH-WESTWARDS MOTION. THE REMNANT OF THE ANTICIPATED EX-BOUCHRA SHOULD GRADUALLY FILLED UP AS MOVING GENERALLY WESTWARDS.