

WTIO30 FMEE 221257

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 1/14/20182019

1.A TROPICAL DISTURBANCE 14

2.A POSITION 2019/04/22 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 9.4 S / 50.5 E

(NINE DECIMAL FOUR DEGREES SOUTH AND
FIFTY DECIMAL FIVE DEGREES EAST)

MOVEMENT: WEST 6 KT

3.A DVORAK ANALYSIS: 1.5/1.5/D 0.5/24 H

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 / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS:

12H: 2019/04/23 00 UTC: 9.5 S / 49.2 E, VENT MAX= 020 KT, TROPICAL DISTURBANCE

24H: 2019/04/23 12 UTC: 9.8 S / 48.1 E, VENT MAX= 025 KT, TROPICAL DISTURBANCE

36H: 2019/04/24 00 UTC: 10.2 S / 46.7 E, VENT MAX= 025 KT, TROPICAL DISTURBANCE

48H: 2019/04/24 12 UTC: 10.5 S / 45.0 E, VENT MAX= 030 KT, TROPICAL DEPRESSION

60H: 2019/04/25 00 UTC: 10.9 S / 42.7 E, VENT MAX= 035 KT, MODERATE TROPICAL
STORM

72H: 2019/04/25 12 UTC: 11.2 S / 41.0 E, VENT MAX= 040 KT, MODERATE TROPICAL
STORM

2.B LONGER-RANGE OUTLOOK:

96H: 2019/04/26 12 UTC: 11.8 S / 40.1 E, VENT MAX= 030 KT, OVERLAND DEPRESSION

120H: 2019/04/27 12 UTC: 13.0 S / 40.7 E, VENT MAX= 025 KT, TROPICAL DISTURBANCE

2.C ADDITIONAL INFORMATION:

THE CIRCULATION IS PARTIALLY EXPOSED WITH DEEP CONVECTION WITHIN THE
SOUTHWESTERN AREA. DEEP CONVECTION REMAINS FLUCTUATING BUT WITH
SIGN OF CURVATURE SHOWING ORGANIZATION GAIN. MINIMAL PRESSURE IS
ESTIMATED AT 1006 HPA. MAXIMAL WINDS ARE ESTIMATED AT 15 KT AND LOCALLY
20/25 KT WITHIN 20/250KT OVER THE SOUTHERN QUADRANT.

ENVIRONMENTAL CONDITIONS ARE marginally favourable for significantly deepening. Low level convergence is good poleward but weak equatorward. In upper level, easterlies due to the Kelvin wave should maintain a moderate eastern vertical windshear. The vertical windshear is forecasted to weaken from to the second part of the week. The LLCC is forecasted to move westward over the northern edge of a low/mid level ridge that should strengthen from Tuesday.

Next advisory tomorrow at 0600Z.