

WTIO30 FMEE 271309

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

0.A WARNING NUMBER: 1/3/20162017

1.A ZONE OF DISTURBED WEATHER 3

2.A POSITION 2017/01/27 AT 1200 UTC:

WITHIN 30 NM RADIUS OF POINT 11.5 S / 73.8 E

(ELEVEN DECIMAL FIVE DEGREES SOUTH AND SEVENTY THREE DECIMAL EIGHT DEGREES EAST)

MOVEMENT : WEST 7 KT

3.A DVORAK ANALYSIS: 1.0/1.5/S 0.0/0 H

4.A CENTRAL PRESSURE: 1008 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 25 KT

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 0 / 0 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : DEEP

1.B FORECASTS:

12H: 2017/01/28 00 UTC: 11.6 S / 73.1 E, MAX WIND=030 KT, TROPICAL DEPRESSION

24H: 2017/01/28 12 UTC: 11.7 S / 72.5 E, MAX WIND=035 KT, MODERATE TROPICAL STORM

36H: 2017/01/29 00 UTC: 11.8 S / 71.9 E, MAX WIND=030 KT, TROPICAL DEPRESSION

48H: 2017/01/29 12 UTC: 11.8 S / 71.2 E, MAX WIND=030 KT, TROPICAL DEPRESSION

60H: 2017/01/30 00 UTC: 11.8 S / 70.3 E, MAX WIND=025 KT, DISTURBANCE

72H: 2017/01/30 12 UTC: 11.8 S / 69.7 E, MAX WIND=020 KT, DISSIPATING

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

SINCE THIS MORNING, DEEP CONVECTION HAS ORGANIZED NEAR THE LOW LEVEL CENTRE AND HAS SHOWN SIGNS OF CURVATURE. THUS, SINCE 0600Z, A CURVED BAND HAS DEVELOPPED WITHIN THE NORTHWESTERN QUADRANT. F15 AND F18 37 GHZ MICROWAVE IMAGERIES AT 0215Z THEN 1015Z SHOWED A LOW LEVEL

CIRCULATION BETTER AND BETTER DEFINED. 1015Z 37GHZ IMAGERY SHOWS ALSO SIGNS OF VERTICAL WINDSHEAR WITH A CENTRE SHIFTED IN THE EASTERN EDGE OF THE DEEP CONVECTION.

THE SYSTEM IS FORECASTED TO MOVE WESTWARD UNDER THE INFLUENCE OF THE LOW LEVEL SUBTROPICAL RIDGE. ON THIS TRACK, ENVIRONMENTAL CONDITIONS ARE UNFAVOURABLE. THE LLCC EVOLVES NORTH OF THE UPPER LEVEL RIDGE AND IS EXPERIENCING A MODERATE TO STRONG EASTERLY WINDSHEAR. THE LOW LEVEL POLERWARD INFLOW SHOULD DECREASE WITH THE ARRIVAL OF A MID-LATITUDE TROUGH. EQUATORIAL INFLOW IS NOT VERY EFFECTIVE WITH A DECREASING WESTERN ZONAL TRANS-EQUATORIAL FLOW.

THE LAST DETERMINISTIC MODEL RUNS DON'T DEEPEN THE LOW BUT THE INTENSITY OF THIS LITTLE SYSTEM COULD EVOLVE QUICKLY.