

WTIO30 FMEE 121156

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

0.A WARNING NUMBER: 37/4/20162017

1.A POST-TROPICAL DEPRESSION 4 (EX-CARLOS)

2.A POSITION 2017/02/12 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 31.8 S / 66.6 E

(THIRTY ONE DECIMAL EIGHT DEGREES SOUTH AND SIXTY SIX DECIMAL SIX DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-WEST 5 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 994 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :93 KM

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

28 KT NE: 300 SE: 190 SW: 370 NW: 190

34 KT NE: 130 SE: 0 SW: 150 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1011 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2017/02/13 00 UTC: 32.3 S / 65.1 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

24H: 2017/02/13 12 UTC: 32.8 S / 64.4 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

36H: 2017/02/14 00 UTC: 33.7 S / 64.2 E, MAX WIND=030 KT, POST-TROPICAL DEPRESSION

48H: 2017/02/14 12 UTC: 34.4 S / 64.3 E, MAX WIND=030 KT, LOW

60H: 2017/02/15 00 UTC: 34.8 S / 64.9 E, MAX WIND=030 KT, LOW

72H: 2017/02/15 12 UTC: 35.4 S / 66.3 E, MAX WIND=025 KT, LOW

2.B LONGER-RANGE OUTLOOK :

96H: 2017/02/16 12 UTC: 38.0 S / 73.2 E, MAX WIND=025 KT, LOW

2.C ADDITIONAL INFORMATION:

LAST SATELITE IMAGERY SHOWS THAT EX-CARLOS IS STILL SHEARED IN THE NORTHERN PART OF CIRCULATION, BUT CONVECTION IS REBUILDING IN THE

SOUTH-WESTERN SEMI-CIRCLE. THE SYSTEM SHIFTS SLOWLY BENEATH THE UPPER LEVEL TROUGH, AS A CONSEQUENCE, VERTICAL WINDSHEAR IS FORECASTED TO DECREASE, WITH FIRSTLY A GOOD EQUATORIAL OUTFLOW. LAST ASCAT SWATH AT 05H02Z SHOWED STRONGEST WINDS FAR OF THE CENTER ABOUT 30/35KT.

EX-CARLOS IS EXPECTED TO GO ON SOUTH-WESTWARDS. THE SYSTEM SHOULD CURVED PROGRESIVELY SOUTHWARD ON MONDAY BEFORE ACCELERATING SOUTH-EASTWARD FROM TUESDAY, ATTRACTED BY A MID-LATITUDE SURFACE TROUGH.

WITH THE DECREASING VERTICAL WINDSHEAR, SOME BREATHS OF CONVECTION SHOULD PRODUCE ALL AROUND THE CENTER WITHIN THE WARM LOW LEVEL ANOMALY. ON THE OTHER HAND, UPPER LEVEL DIVERGENCE SHOULD DECREASE FROM NEXT NIGHT. FROM MONDAY, EX-CARLOS SHOULD BEGIN TO FILL UP AS EX-CARLOS SHOULD SHIFT GRADUALLY BEHIND THE UPPER LEVEL TROUGH AND AHEAD A MID-LATITUDE UPPER LEVEL RIDGE. ANYWAY, ASSOCIATED TO EX-CARLOS, WINDS HIGHER THAN THE NEAR GALE SHOULD BE OBSERVED UNTIL WEDNESDAY BY GRADIENT EFFECT.

EXCEPT REINTENSIFICATION, THIS ADVISATORY IS THE LAST ISSUED BY THE RMSC CONCERNING THIS SYSTEM, WHICH WILL BE MONITORED IN THE SHIPPING BULLETINS OF METAREA VIII (FQOI21)