

WTIO30 FMEE 250625

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

0.A WARNING NUMBER: 29/5/20182019

1.A POST-TROPICAL DEPRESSION 5 (EX-CILIDA)

2.A POSITION 2018/12/25 AT 0600 UTC:

WITHIN 20 NM RADIUS OF POINT 29.0 S / 68.9 E

(TWENTY NINE DECIMAL ZERO DEGREES SOUTH AND SIXTY EIGHT DECIMAL NINE DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-EAST 15 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 996 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 40 KT

RADIUS OF MAXIMUM WINDS (RMW) :56 KM

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

28 KT NE: 230 SE: 230 SW: 320 NW: 190

34 KT NE: 170 SE: 140 SW: 140 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1008 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2018/12/25 18 UTC: 32.4 S / 69.9 E, MAX WIND=040 KT, POST-TROPICAL DEPRESSION

24H: 2018/12/26 06 UTC: 35.4 S / 71.0 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

36H: 2018/12/26 18 UTC: 37.1 S / 71.9 E, MAX WIND=035 KT, POST-TROPICAL DEPRESSION

48H: 2018/12/27 06 UTC: 38.2 S / 73.8 E, MAX WIND=035 KT, EXTRATROPICAL DEPRESSION

60H: 2018/12/27 18 UTC: 38.6 S / 76.5 E, MAX WIND=030 KT, EXTRATROPICAL DEPRESSION

72H: 2018/12/28 06 UTC: 38.1 S / 81.4 E, MAX WIND=030 KT, EXTRATROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

THE CONVECTION IS STILL CONFINED WITHIN THE SOUTH-EASTERN QUADRANT, AS AN UPPER LEVEL JET-STREAM IS BUILDING ABOVE THE SYSTEM ON THE NORTH-EASTERN SIDE OF THE UPPER TROUGH. THE BAROCLINIC INFLUENCE OF THIS UPPER DYNAMICS IS OBVIOUS WITH A VERY ELONGATED LOW-LEVEL CLOUDS VORTEX ON THE VIS ANIMATIONS. THIS MORNING 0508Z ASCAT SWATH CONFIRMS THIS ANALYSIS AND REVEALS MAX WINDS OF 40KT REACHING VERY LOCALLY 45KT IN THE SOUTHWESTERN QUADRANT.

NO SIGNIFICANT CHANGE IN THE TRACK FORECAST: EX-CILIDA TURNS SOUTH-SOUTH-EASTERLY AHEAD OF A DEEP UPPER TROUGH. THE SYSTEM SHOULD THUS CROSS THE 30YH PARALLEL IN THE NEXT HOURS. ONCE EX-CILIDA HAVE CROSSED THE SUBTROPICAL HIGH PRESSURE BELT, IT SHOULD BE TAKEN AWAY BY THE MID-LATITUDES WESTERLIES THURSDAY.

EX-CILIDA'S EXTRATROPICALISATION CONTINUES WITH THE UPPER-LEVEL TROUGH CLOSING IN. PHASE DIAGRAMS ANALYZE EX-CILIDA AS AN ASYMMETRIC SHALLOW WARM-CORE SYSTEM. THIS EXTRATROPICAL TRANSITION SHOULD BE COMPLETED BY THURSDAY.

THIS IS THE LAST WARNING ISSUED BY LA REUNION RSMC CONCERNING THIS SYSTEM. FOR FURTHER INFORMATIONS, PLEASE REFER TO THE SHIPPING BULLETIN FOR METAREA VIII(S) FQIO26 FIMP.