

WTIO30 FMEE 171306

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

0.A WARNING NUMBER: 14/7/20172018

1.A OVERLAND DEPRESSION 7 (ELIAKIM)

2.A POSITION 2018/03/17 AT 1200 UTC:

WITHIN 30 NM RADIUS OF POINT 16.5 S / 49.1 E

(SIXTEEN DECIMAL FIVE DEGREES SOUTH AND FORTY NINE DECIMAL ONE  
DEGREES EAST)

MOVEMENT : SOUTH 2 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) :NIL

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

28 KT NE: 300 SE: 410 SW: 0 NW: 0

34 KT NE: 190 SE: 190 SW: 0 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1004 HPA / 2200 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2018/03/18 00 UTC: 18.3 S / 49.1 E, MAX WIND=035 KT, OVERLAND DEPRESSION

24H: 2018/03/18 12 UTC: 20.4 S / 49.1 E, MAX WIND=035 KT, MODERATE TROPICAL  
STORM

36H: 2018/03/19 00 UTC: 22.5 S / 49.3 E, MAX WIND=035 KT, MODERATE TROPICAL  
STORM

48H: 2018/03/19 12 UTC: 24.5 S / 49.8 E, MAX WIND=040 KT, MODERATE TROPICAL  
STORM

60H: 2018/03/20 00 UTC: 26.8 S / 51.2 E, MAX WIND=040 KT, MODERATE TROPICAL  
STORM

72H: 2018/03/20 12 UTC: 29.2 S / 52.9 E, MAX WIND=040 KT, POST-TROPICAL  
DEPRESSION

2.B LONGER-RANGE OUTLOOK :

96H: 2018/03/21 12 UTC: 34.8 S / 55.7 E, MAX WIND=040 KT, POST-TROPICAL  
DEPRESSION

120H: 2018/03/22 12 UTC: 40.5 S / 61.9 E, MAX WIND=035 KT, POST-TROPICAL  
DEPRESSION

2.C ADDITIONAL INFORMATION:

OVER THE LAST 6 HOURS, ELIAKIM SLOWLY MOVED INLAND SOUTHWARDS QUITE IN PARALLEL TO THE COAST.

CONVECTION NEAR THE CENTER IS ATTENUATING, BUT PERIPHERAL RAINBANDS REMAINS STRONG OVER LAND, AND THE THUNDERSTORM ACTIVITY REMAINS OVER SEAS WITHIN NORTHERN SEMI-CIRCLE, ESPECIALLY OVER THE NORTHERN PART OF THE MOZAMBICAL CHANNEL

ELIAKIM SHOULD EVOLVE OVERLAND, SO THE FORECAST POSITIONS ARE UNCERTAIN DUE TO THE POTENTIAL DISAPPEARING OF THE LOW LEVEL CIRCULATION. THE RECONSTITUTION OF A RIDGE IN THE SOUTH-EAST THEN IN THE EAST SHOULD DRIVE A SOUTH-SOUTH-EASTWARD TURN NEXT NIGHT END TOMORROW.

SUNDAY, THE WEAKENED SYSTEM SHOULD COME BACK OVER SEA. ITS TRACK SHOULD THEN GRADUALLY BEND SOUTH-EASTWARD MONDAY, UNDER THE INFLUENCE OF A MID-LATITUDES TROUGH ARRIVING FROM THE SOUTH-WEST. THE AVAILABLE GUIDANCE REMAINS IN RATHER GOOD AGREEMENT OVER THIS SCENARIO, EVEN IF THE LOCALISATION AND TIMING OF THE RETURN OVER SEA REMAIN RELATIVELY UNCERTAIN.

SUNDAY EVENING, ELIAKIM SHOULD COME BACK OVER SEA, AND BENEFIT IN A FIRST TIME OF GOOD POLARWARD UPPER LEVEL DIVERGENCE, THEN THE STRENGTHENING OF A NORTH-WESTERLY SHEAR AHEAD OF AN UPPER TROUGH SHOULD STRONGLY LIMIT THE CHANCES FOR RE-INTENSIFICATION. FROM TUESDAY, ELIAKIM SHOULD BEGIN ITS EXTRATROPICALISATION UNDER A GROWING BAROCLINIC INFLUENCE.

ELIAKIM BRINGS IMPORTANT RAINFALL OVER A LARGE NORTHERN HALF OF MADAGASCAR.