

WTIO30 FMEE 221925

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

0.A WARNING NUMBER: 26/4/20182019

1.A MODERATE TROPICAL STORM 4 (KENANGA)

2.A POSITION 2018/12/22 AT 1800 UTC:

WITHIN 20 NM RADIUS OF POINT 17.5 S / 77.4 E

(SEVENTEEN DECIMAL FIVE DEGREES SOUTH AND SEVENTY SEVEN DECIMAL FOUR DEGREES EAST)

MOVEMENT : WEST-SOUTH-WEST 5 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 997 HPA

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

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

28 KT NE: 110 SE: 370 SW: 250 NW: 140

34 KT NE: 0 SE: 120 SW: 110 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1006 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2018/12/23 06 UTC: 18.3 S / 76.3 E, MAX WIND=030 KT, FILLING UP

24H: 2018/12/23 18 UTC: 19.3 S / 75.3 E, MAX WIND=030 KT, FILLING UP

36H: 2018/12/24 06 UTC: 20.6 S / 74.5 E, MAX WIND=025 KT, FILLING UP

48H: 2018/12/24 18 UTC: 22.4 S / 74.0 E, MAX WIND=025 KT, FILLING UP

60H: 2018/12/25 06 UTC: 24.6 S / 73.7 E, MAX WIND=025 KT, DISSIPATING

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

THE TWO ASCAT PASS OF THIS EVENING WERE USEFUL TO ASSESS POSITION, STRUCTURE AND INTENSITY OF KENANGA. MINIMAL GALE FORCE WINDS ARE PRESENT WITHIN THE SOUTHERN SEMI-CIRCLE AND THIS IS THE BASIS FOR THE INITIAL INTENSITY.

KENANGA IS EXPECTED TO DEGENERATE VERY SOON AS A FILLING UP LOW.

WITH THE GRADUAL EASTWARD SHIFT OF THE RIDGE, THE TRACK CURVE MORE CLEARLY SOUTHWESTWARD. ALL AVAILABLE MODELS ARE IN GOOD AGREEMENT ON THIS PHILOSOPHY UNTIL MONDAY. THEN, THE LOW LEVEL RIDGE REBUILT IN THE EAST OF THE SYSTEM, ASSOCIATED TO THE ARRIVAL IN THE SOUTH-WEST OF CILIDA. THE RESULTING STEERING FLOW GIVE AN ACCELERATING SOUTHWARD TRACK.

THE PRESENCE OF COLD WATER SOUTH OF 18S SHOULD LIMIT ANY RISK OF REINTENSIFICATION. KENANGA IS EXPECTED TO SLOWLY FILL-UP DURING THE BEGINNING OF NEXT WEEK.