

WTIO30 FMEE 190024

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 32/2/20232024

1.A REMNANT LOW 2 (BELAL)

2.A POSITION 2024/01/19 AT 0000 UTC:

WITHIN 20 NM RADIUS OF POINT 23.6 S / 64.5 E

(TWENTY THREE DECIMAL SIX DEGREES SOUTH AND  
SIXTY FOUR DECIMAL FIVE DEGREES EAST)

MOVEMENT: WEST 4 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 998 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 30 KT

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 0 SE: 315 SW: 315 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1005 HPA / 1000 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: SHALLOW

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/01/19 12 UTC: 23.7 S / 63.5 E, VENT MAX= 025 KT, REMNANT LOW

24H: 2024/01/20 00 UTC: 24.3 S / 62.4 E, VENT MAX= 025 KT, REMNANT LOW

36H: 2024/01/20 12 UTC: 25.3 S / 60.6 E, VENT MAX= 025 KT, DISSIPATING

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

OVER THE PAST 6 HOURS, UNFAVORABLE ENVIRONMENTAL CONDITIONS (MID-TROPOSPHERE WIND SHEAR, DRY AIR INTRUSION AND COOLER WATERS) HAVE BEEN FATAL TO THE BELAL SYSTEM. THE MICROWAVE IMAGE OF 2031Z SHOWS THE ABSENCE OF CONVECTIVE ACTIVITY AROUND THE CENTER AND AN OPEN EYE TO THE NORTH AND SOUTH. ON SATELLITE IMAGERY, ONLY A LOW-LEVEL VORTEX IS STILL VISIBLE. THE SYSTEM HAS THEREFORE RETURNED TO THE RESIDUAL DEPRESSION STAGE, WITH MAXIMUM WINDS OF 30KT.

IN TERMS OF TRACK, WITH THE WEAKENING OF THE SYSTEM, THE STEERING FLOWS DRIVING BELAL'S TRAJECTORY ARE NOW MORE IN THE LOWER LAYERS (850HPA). THE SYSTEM WILL THEREFORE HEAD WESTWARD UNDER THE INFLUENCE OF THE LOW-TROPOSPHERE SUBTROPICAL RIDGE, THEN SOUTHWESTWARD AS THIS RIDGE SHIFTS EASTWARD.

IN TERMS OF INTENSITY, BELAL WILL CONTINUE TO FILL IN GRADUALLY OVER THE NEXT FEW HOURS, WITH NO FURTHER INTENSIFICATION FORECAST.

BELAL POSES NO THREAT TO INHABITED LAND.

LAST BULLETIN UNLESS RE-INTENSIFICATION ISSUED BY RSMC LA REUNION REGARDS THIS SYSTEM. FURTHER INFORMATION ON THIS SYSTEM WILL BE AVAILABLE IN THE DAILY BULLETIN ON TROPICAL WEATHER CONDITIONS OVER THE SOUTHWEST INDIAN OCEAN ISSUED AT 12Z (AWIO20 FMEE).