

WTIO30 FMEE 191303

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 19/6/20232024

1.A POST-TROPICAL DEPRESSION 6 (DJOUNGOU)

2.A POSITION 2024/02/19 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 26.6 S / 88.2 E

(TWENTY SIX DECIMAL SIX DEGREES SOUTH AND
EIGHTY EIGHT DECIMAL TWO DEGREES EAST)

MOVEMENT: EAST-SOUTH-EAST 30 KT

3.A DVORAK ANALYSIS: 3.5/4.5/W 1.0/12 H

4.A CENTRAL PRESSURE: 961 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 85 KT

RADIUS OF MAXIMUM WINDS (RMW): 46 KM

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

28 KT NE: 500 SE: 465 SW: 390 NW: 350

34 KT NE: 295 SE: 260 SW: 240 NW: 205

48 KT NE: 185 SE: 165 SW: 160 NW: 130

64 KT NE: 0 SE: 0 SW: 0 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 1300 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/02/20 00 UTC: 29.6 S / 94.8 E, VENT MAX= 060 KT, POST-TROPICAL
DEPRESSION

28 KT NE: 435 SE: 295 SW: 350 NW: 305

34 KT NE: 220 SE: 165 SW: 175 NW: 165

48 KT NE: 95 SE: 100 SW: 85 NW: 55

24H: 2024/02/20 12 UTC: 30.9 S / 101.5 E, VENT MAX= 040 KT, EXTRATROPICAL
DEPRESSION

28 KT NE: 400 SE: 230 SW: 270 NW: 305

34 KT NE: 195 SE: 120 SW: 155 NW: 165

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=3.5 CI=4.5

IN THE LAST 6 HOURS, DJOUNGOU HAS DEFINITELY LOST ITS TROPICAL CHARACTERISTICS UNDER THE COMBINED EFFECT OF STRONG NORTHWESTERLY WIND SHEAR (30KT ANALYZED BY CIMSS), A DECREASING OCEANIC POTENTIAL AND AN INTRUSION OF DRY AIR FROM THE NORTHWEST. IT HAS THEREFORE BEEN DOWNGRADED TO POST-TROPICAL DEPRESSION DESPITE EVNTS STILL AT 80KT.

DJOUNGOU WILL CONTINUE ITS RAPID SOUTHEASTWARD MOVEMENT, CHANNELED BETWEEN A RIDGE OF HIGH PRESSURE TO THE EAST-NORTHEAST AND A TROUGH TO THE SOUTH. ITS MOVEMENT SHOULD SLOW DOWN FROM TOMORROW AS IT WEAKENS. DJOUNGOU WILL QUIT RMSC AAREA OF RESPONSABILITY IN THE FEW NEXT HOURS.

DJOUNGOU SHOULD CONTINUE TO WEAKEN OVER THE NEXT FEW HOURS IN THESE UNFAVORABLE ENVIRONMENTAL CONDITIONS, BECOMING AN EXTRA-TROPICAL DEPRESSION WITHIN 24 HOURS.

THIS SYSTEM POSES NO THREAT TO INHABITED LAND.

LAST BULLETIN UNLESS RE-INTENSIFICATION ISSUED BY RSMC LA REUNION REGARDS THIS SYSTEM.