

WTIO30 FMEE 160600

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

0.A WARNING NUMBER: 29/4/20242025

1.A MODERATE TROPICAL STORM 4 (CHIDO)

2.A POSITION 2024/12/16 AT 0600 UTC:

WITHIN 30 NM RADIUS OF POINT 15.4 S / 35.1 E
(FIFTEEN DECIMAL FOUR DEGREES SOUTH AND
THIRTY FIVE DECIMAL ONE DEGREES EAST)

MOVEMENT: SOUTH-WEST 12 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 1000 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: 65 SE: 95 SW: 95 NW: 0

34 KT NE: 35 SE: 55 SW: 55 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 200 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/12/16 18 UTC: 16.8 S / 32.6 E, VENT MAX= 020 KT, OVERLAND DEPRESSION

24H: 2024/12/17 06 UTC: 17.8 S / 30.6 E, VENT MAX= 020 KT, DISSIPATING

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=CI=NIL

CHIDO CONTINUES TO PASS OVER MOZAMBIQUE AND MALAWI THIS MONDAY MORNING. OVER THE LAST 6 HOURS, CONVECTIVE ACTIVITY HAS GRADUALLY WEAKENED AND IS NOW LOCATED IN THE EASTERN SEMICIRCLE OF THE SYSTEM. IN THIS CONTEXT OF WEAK TO MODERATE CONVECTION, 10-MINUTE MEAN WINDS OF AROUND 35KT MAY STILL OCCUR NEAR THE ESTIMATED CENTER. THIS STILL LEAVES CHIDO AS A MODERATE TROPICAL STORM, BUT ONLY FOR A SHORT TIME.

THE SYSTEM IS SET TO CONTINUE ON A GENERALLY SOUTHWESTERLY TRACK ALONG THE EDGE OF THE 700HPA RIDGE TO THE SOUTHEAST. IT WILL CROSS SOUTHERN MALAWI ON MONDAY MORNING, THEN MOZAMBIQUE'S TETE PROVINCE AND THE EXTREME NORTH OF SOFALA AND MANICA PROVINCES ON MONDAY AFTERNOON, BEFORE HEADING TOWARDS ZIMBABWE THE FOLLOWING NIGHT AND TUESDAY.

CHIDO'S INTENSITY REMAINS VERY TEMPORARILY CLOSE TO THE MINIMUM STAGE OF A MODERATE TROPICAL STORM ON MONDAY. CONVECTIVE ACTIVITY IS NO LONGER EXPECTED TO LAST LONG ENOUGH FOR THE VORTEX TO PERSIST. THE GALE WILL THEREFORE QUICKLY DISAPPEAR, LEAVING CHIDO TO EVOLVE INTO A DEPRESSION OVER LAND, AS MOST MODELS SUGGEST. DISRUPTED BY MOUNTAINOUS TERRAIN, INTRUSIONS OF DRY AIR AND INCREASED SHEAR, THE VORTEX WILL WEAKEN MORE SIGNIFICANTLY ON MONDAY NIGHT IN THE VICINITY OF ZIMBABWE.

IMPACTS ON INHABITED LANDS OVER THE NEXT 72 HOURS :

SOUTHERN MALAWI (UNTIL MIDDAY MONDAY):

- GUSTS OF 60-90 KM/H MAINLY OVER THE HIGHLANDS BUT MAY ALSO AFFECT LOWLAND AREAS LOCALLY (BLANTYRE REGION).
- RAINFALL TOTALS UP TO 100-150 MM IN 12 TO 24 HOURS.
- CONDITIONS IMPROVING ON MONDAY EVENING.

MOZAMBIQUE :

- GUSTS AROUND 60-80 KM/H ON MONDAY OVER TETE PROVINCE AND NORTHERN SOFALA AND MANICA PROVINCES.
- RAINFALL LOCALLY UP TO 100-150 MM IN 12 TO 24 HOURS.
- CONDITIONS IMPROVING FROM MONDAY NIGHT TO TUESDAY.