

WTIO30 FMEE 150646

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 25/4/20242025

1.A INTENSE TROPICAL CYCLONE 4 (CHIDO)

2.A POSITION 2024/12/15 AT 0600 UTC:

WITHIN 20 NM RADIUS OF POINT 13.3 S / 40.2 E

(THIRTEEN DECIMAL THREE DEGREES SOUTH AND
FORTY DECIMAL TWO DEGREES EAST)

MOVEMENT: WEST 12 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 960 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 100 KT

RADIUS OF MAXIMUM WINDS (RMW): 15 KM

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

28 KT NE: 110 SE: 130 SW: 95 NW: 95

34 KT NE: 85 SE: 100 SW: 55 NW: 55

48 KT NE: 55 SE: 45 SW: 50 NW: 45

64 KT NE: 30 SE: 30 SW: 30 NW: 30

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1008 HPA / 400 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/12/15 18 UTC: 13.8 S / 37.4 E, VENT MAX= 045 KT, MODERATE TROPICAL
STORM

28 KT NE: 0 SE: 150 SW: 0 NW: 0

34 KT NE: 0 SE: 95 SW: 0 NW: 0

24H: 2024/12/16 06 UTC: 15.1 S / 34.9 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

36H: 2024/12/16 18 UTC: 16.3 S / 32.6 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

INTENSE TROPICAL CYCLONE CHIDO MADE LANDFALL THIS MORNING AT AROUND
0415UTC, 35-40KM SOUTH OF THE TOWN OF PEMBA IN MOZAMBIQUE'S CABO

DELGADO PROVINCE. WINDS WERE ESTIMATED AT 110KT. AT 06UTC, THE CENTER WAS LOCATED 50KM INLAND WITH EASTERLY CONVECTION AND WINDS STILL ESTIMATED AT 100KT.

IN TERMS OF TRACK, THE SYSTEM SHOULD CONTINUE ON A SOUTH-WESTERLY TRAJECTORY DRIVEN BY THE LOW-LEVEL FLOW, WHILE CONTINUING TO PUSH INLAND. HOWEVER, THE CENTER MAY CONTINUE TO BE TRACKED OVER MALAWI DURING THE DAY TOMORROW, BEFORE DISSIPATING COMPLETELY OVER MOZAMBIQUE BY THE END OF THE DAY TOMORROW.

IN TERMS OF INTENSITY, CHIDO SHOULD WEAKEN SIGNIFICANTLY OVER THE NEXT FEW HOURS, BUT THE WARM-CORE LOW-PRESSURE CIRCULATION COULD STILL PERSIST FAIRLY FAR INLAND, BRINGING WINDS INLAND FROM MOZAMBIQUE AND CONVECTION AS FAR SOUTH AS MALAWI. DISSIPATION IS LIKELY ON MONDAY NIGHT TOWARDS WESTERN MOZAMBIQUE.

IMPACTS ON INHABITED LAND OVER THE NEXT 72 HOURS :

MOZAMBIQUE (SOUTHERN CABO DELGADO PROVINCE AND NORTHERN NAMPULA PROVINCE):

- STRONG GUSTS OF 100-120KM/H THIS MORNING, WEAKENING TO 80-100KM/H THIS AFTERNOON.
- RAINFALL TOTALS OF 100 TO 150MM IN 12H.
- VERY ROUGH TO HEAVY SEAS, RAPIDLY EASING OVER THE NEXT FEW HOURS.

MALAWI (SUNDAY NIGHT AND MONDAY) :

- GUSTS 80-100KM POSSIBLE OVER HIGH GROUND.
- RAINFALL TOTALS CLOSE TO 100MM OVER THE SOUTH OF THE COUNTRY.