

WTIO30 FMEE 161217

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

0.A WARNING NUMBER: 30/4/20242025

1.A OVERLAND DEPRESSION 4 (CHIDO)

2.A POSITION 2024/12/16 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 16.6 S / 33.8 E
(SIXTEEN DECIMAL SIX DEGREES SOUTH AND
THIRTY THREE DECIMAL EIGHT DEGREES EAST)
MOVEMENT: SOUTH-WEST 14 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 1001 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: 65 SE: 95 SW: 95 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: 2024/12/17 00 UTC: 17.3 S / 31.4 E, VENT MAX= 020 KT, DISSIPATING

24H: 2024/12/17 12 UTC: 18.5 S / 29.7 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. OVER THE PAST 6 HOURS, CONVECTIVE ACTIVITY HAS TEMPORARILY RESUMED IN CHIDO'S WESTERN SEMICIRCLE, DUE TO FLOW CONVERGENCE. THE LATEST MICROWAVE IMAGES AND SATELLITE ANIMATIONS FAIL TO SHOW A WELL-DEFINED CIRCULATION. IN THE ABSENCE OF DATA, MODEL ANALYSIS ESTIMATES MAXIMUM WINDS OF THE ORDER OF 30KT. CHIDO IS NOW CLASSIFIED AS A OVERLAND DEPRESSION.

THE SYSTEM IS EXPECTED TO CONTINUE ON A GENERALLY SOUTH-WESTERLY TRACK ALONG THE EDGE OF THE 700HPA RIDGE TO THE SOUTH-EAST. IT WILL CROSS MOZAMBIQUE'S TETE PROVINCE AND THE EXTREME NORTH OF SOFALA AND MANICA PROVINCES THIS MONDAY AFTERNOON AND EARLY EVENING, BEFORE HEADING TOWARDS ZIMBABWE THE FOLLOWING NIGHT AND TUESDAY.

CHIDO INTENSITY CONTINUES TO WEAKEN GRADUALLY ON MONDAY AND OVERNIGHT. CONVECTIVE ACTIVITY IS NO LONGER EXPECTED TO LAST LONG ENOUGH FOR THE VORTEX TO PERSIST. IN THIS CONTEXT, THE OVERLAND DEPRESSION CHIDO, DISRUPTED BY MOUNTAINOUS TERRAIN, INTRUSIONS OF DRY AIR AND INCREASED SHEAR, WILL WEAKEN MORE SIGNIFICANTLY ON MONDAY NIGHT IN THE VICINITY OF ZIMBABWE.

IMPACTS ON INHABITED LANDS OVER THE NEXT 72 HOURS :

MOZAMBIQUE :

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

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).