

WTIO30 FMEE 241847

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

0.A WARNING NUMBER: 42/7/20222023

1.A OVERLAND DEPRESSION 7 (FREDDY)

2.A POSITION 2023/02/24 AT 1800 UTC:

WITHIN 20 NM RADIUS OF POINT 22.3 S / 34.4 E

(TWENTY TWO DECIMAL THREE DEGREES SOUTH AND  
THIRTY FOUR DECIMAL FOUR DEGREES EAST)

MOVEMENT: WEST 10 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 990 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 35 KT

RADIUS OF MAXIMUM WINDS (RMW): 56 KM

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

28 KT NE: 130 SE: 165 SW: 165 NW: 130

34 KT NE: 55 SE: 75 SW: 75 NW: 55

48 KT NE: 0 SE: 0 SW: 0 NW: 0

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

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1009 HPA / 600 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS (WINDS RADII IN KM):

12H: 2023/02/25 06 UTC: 22.7 S / 33.3 E, VENT MAX= 030 KT, OVERLAND DEPRESSION  
28 KT NE: 0 SE: 195 SW: 110 NW: 0

24H: 2023/02/25 18 UTC: 22.1 S / 32.9 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

36H: 2023/02/26 06 UTC: 21.1 S / 32.8 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

48H: 2023/02/26 18 UTC: 20.3 S / 32.4 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

60H: 2023/02/27 06 UTC: 19.7 S / 31.4 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

72H: 2023/02/27 18 UTC: 19.8 S / 29.9 E, VENT MAX= 020 KT, OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=CI=NIL

FREDDY CONTINUES ITS WESTWARD TRACK OVER MOZAMBIQUE. CONVECTIVE ACTIVITY IS MAINLY LOCATED IN THE SOUTHEAST QUADRANT OF THE SYSTEM WITH HEAVY RAINFALL AND THUNDERSTORMS. SQUALLS ARE STILL EXPECTED BUT WINDS ARE WEAKENING RAPIDLY BASED ON OBSERVATIONS. THE STRONGEST AVERAGE WINDS ARE ESTIMATED TO BE AROUND 35KT. AS LONG AS A LOW-LEVEL CIRCULATION CAN BE OBSERVED, THE SYSTEM WILL BE MONITORED BY THE RSMC IN ORDER TO ALERT THE COUNTRIES CROSSING IT OF THE DANGERS INVOLVED.

NO CHANGE, FREDDY SHOULD CONTINUE WESTWARD, GUIDED BY THE PRESENCE OF A RIDGE OF HIGH PRESSURE TO THE SOUTH, UNTIL THE BEGINNING OF THE WEEKEND. THEN UNDER THE EFFECT OF THE PASSAGE OF A UPPER TROUGH IN THE SOUTH-WEST THEN OF THE REINFORCEMENT OF HIGH GEOPOTENTIALS IN THE SOUTH-WEST, FREDDY SHOULD CURVE ITS MOVEMENT TO THE NORTH-NORTH-WEST UNTIL MONDAY, BY GOING INTO THE AFRICAN LANDS WHILE FILLING UP DURABLY.

FROM NOW FREDDY SHOULD KNOW A PERIOD OF NOTABLE AND INCREASING WEAKENING, DURING ITS PASSAGE ON LAND. THE MINIMUM OF PRESSURE LINKED TO THE SYSTEM SHOULD BE FILLED PROGRESSIVELY FROM THIS WEEKEND TO DISSIPATE AT THE BEGINNING OF NEXT WEEK ON ZIMBABWE.

IMPACTS ON INHABITED LANDS OVER THE NEXT 72 HOURS:

- MOZAMBIQUE :

\* GALE FORCE WINDS WEAKENING DURING THE NIGHT, ON THE MARITIME COAST OF THE PROVINCE OF INHAMBANE.

\* VERY ROUGH SEA (4-6M) WEAKENING DURING THE NIGHT, ON THE MARITIME COAST OF THE PROVINCE OF INHAMBANE.

\* DURING THE NEXT 72 HOURS, INTENSE RAINS BETWEEN BEIRA AND INHAMBANE, REACHING THE INTERIOR (PROVINCES OF GAZA / SOUTH OF MANICA / SOUTH OF SOFALA) WITH ACCUMULATIONS EXCEEDING 200 TO 300 MM. THESE VALUES MAY LOCALLY REACH 400 MM, ON THE BORDER BETWEEN ZIMBABWE AND MOZAMBIQUE. SIGNIFICANT RISK OF FLOODS AND LANDSLIDES.

- ZIMBABWE:

\* INTENSE RAINFALL IN THE SOUTHEAST OF THE COUNTRY, WITH ACCUMULATIONS OF 200 TO 400 MM IN 72 HOURS.