WTIO30 FMEE 131819
RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 6/4/20212022
1.A MODERATE TROPICAL STORM 4 (DUMAKO)

2.A POSITION 2022/02/13 AT 1800 UTC:
WITHIN 20 NM RADIUS OF POINT 15.6 S / 58.4 E
(FIFTEEN DECIMAL SIX DEGREES SOUTH AND
FIFTY EIGHT DECIMAL FOUR DEGREES EAST)
MOVEMENT: WEST 13 KT

3.A DVORAK ANALYSIS: 3.0/3.0/D 0.5/6 H

4.A CENTRAL PRESSURE: 995 HPA
5.A MAX AVERAGE WIND SPEED (10 MN): 40 KT
RADIUS OF MAXIMUM WINDS (RMW): 28 KM

6.A EXTENSION OF WIND BY QUADRANTS (KM):
28 KT NE: 0 SE: 95 SW: 95 NW: 0
34 KT NE: 0 SE: 45 SW: 45 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 900 KM
8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS (WINDS RADII IN KM):
12H: 2022/02/14 06 UTC: 16.1 S / 56.1 E, VENT MAX= 045 KT, MODERATE TROPICAL STORM
28 KT NE: 0 SE: 155 SW: 130 NW: 0
34 KT NE: 0 SE: 85 SW: 85 NW: 0

24H: 2022/02/14 18 UTC: 16.4 S / 53.5 E, VENT MAX= 045 KT, MODERATE TROPICAL STORM
28 KT NE: 0 SE: 150 SW: 130 NW: 0
34 KT NE: 0 SE: 85 SW: 85 NW: 0

36H: 2022/02/15 06 UTC: 16.2 S / 51.6 E, VENT MAX= 040 KT, MODERATE TROPICAL STORM
28 KT NE: 0 SE: 150 SW: 130 NW: 0
34 KT NE: 0 SE: 85 SW: 85 NW: 0

48H: 2022/02/15 18 UTC: 15.6 S / 49.9 E, VENT MAX= 035 KT, OVERLAND DEPRESSION
28 KT NE: 100 SE: 150 SW: 120 NW: 0
34 KT NE: 75 SE: 85 SW: 85 NW: 0

60H: 2022/02/16 06 UTC: 14.9 S / 48.2 E, VENT MAX= 020 KT, OVERLAND DEPRESSION
2.B LONGER-RANGE OUTLOOK:
NIL

2.C ADDITIONAL INFORMATION:
T=CI=3.0-


RISK OF REINTENSIFICATION.

IMPACTS ON INHABITED LANDS:
- MADAGASCAR: A SIGNIFICANT DETERIORATION OF WEATHER CONDITIONS IS EXPECTED ON TUESDAY DURING THE DAYTIME AND FOLLOWING NIGHT SOMEWHERE MAINLY BETWEEN SAINTE-MARIE ISLAND AND ANTALABA. HEAVY RAINFALL (50-100 MM IN LESS THAN 24 HOURS POSSIBLE BETWEEN TOAMASINA AND ANTALABA, WITH LOCAL ACCUMULATIONS UP TO 200-300MM LIKELY NEAR SAINTE-MARIE) AND STRONG WIND GUSTS (80-100 KM/H) ARE EXPECTED IN THE IMMEDIATE VICINITY OF THE LANDFALL AREA. MOREOVER, CONSIDERING THE SMALL SIZE OF THE SYSTEM, THE POSSIBLE IMPACTED AREAS SHOULD BE QUITE LIMITED. LOCAL POPULATION IS INVITED TO CLOSELY FOLLOW THE EVOLUTION OF THIS SYSTEM.