

WTIO30 FMEE 251209

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 16/1/20212022

1.A OVERLAND DEPRESSION 1 (ANA)

2.A POSITION 2022/01/25 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 16.4 S / 32.9 E

(SIXTEEN DECIMAL FOUR DEGREES SOUTH AND

THIRTY TWO DECIMAL NINE DEGREES EAST)

MOVEMENT: WEST-NORTH-WEST 15 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 995 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 25 KT

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

NIL

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 1000 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):

12H: 2022/01/26 00 UTC: 16.3 S / 30.2 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

24H: 2022/01/26 12 UTC: 16.9 S / 28.1 E, VENT MAX= 025 KT, OVERLAND DEPRESSION

36H: 2022/01/27 00 UTC: 17.5 S / 27.0 E, VENT MAX= 020 KT, OVERLAND DEPRESSION

48H: 2022/01/27 12 UTC: 17.7 S / 26.1 E, VENT MAX= 015 KT, OVERLAND DEPRESSION

60H: 2022/01/28 00 UTC: 17.5 S / 25.2 E, VENT MAX= 015 KT, OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

THE LOCATION OF THE CENTER IS DELICATE WITH BOTH VISIBLE AND MICROWAVE IMAGES. DURING THE LAST SIX HOURS, THE CONVECTIVE ACTIVITY HAS WEAKENED BUT STILL PRESENTS A POTENTIAL OF PRECIPITATIONS ON A LARGE AREA. THE WIND CONTINUES TO WEAKEN BUT THE PRECIPITATION REMAINS PRESENT.

IN TERMS OF FORECASTING, LITTLE CHANGE IN DIRECTION BUT A SLIGHTLY FASTER TRACK THAN PREVIOUSLY PREDICTED FOR THE SHORT TERM. THE SYSTEM WILL CONTINUE A FAST MOTION WESTWARD ON THE NORTH TO NORTHWEST FACADE OF THE LOW TO MID LEVELS HIGH GEOPOTENTIALS. ON THIS TRACK THE SYSTEM WILL RAPIDLY REACH NORTHERN ZIMBABWE DURING THE DAY. FROM THURSDAY, WHILE A BAROMETRIC COL IS BUILDING IN THE SOUTH, THE RESIDUAL DEPRESSION OF THIS SYSTEM WILL SLOW DOWN NEAR SOUTH ZAMBIA. THE LOW LEVEL CIRCULATION WILL SLOWLY DISAPPEAR OVER THE WEEK-END ON THE SOUTHERN PARTS OF ZAMBIA.

EXPECTED CONSEQUENCES ON INHABITED LANDS :

- WINDS: WINDS ARE WEAKENING BUT GUSTS APPROACHING 80KM/H ON THE COAST ARE STILL POSSIBLE IN THE EVENING.

- RAINS: 100/150 MM RAINFALLS IN 24H ARE EXPECTED ALONG THE TRACK DURING THE NEXT 24H WITH LOCALLY 200 MM POSSIBLE OVER THE NORTH-WESTERN PARTS OF MOZAMBIQUE. ON THE COAST, THE RAINFALLS SHOULD WEAKEN PROGRESSIVELY ALTHOUGH CONVECTIVE PACKAGES MAY STILL CONCERN THE COAST. TODAY, HEAVY RAINFALLS WILL REACH NORTHERN ZIMBABWE THEN SOUTHERN ZAMBIA FROM THURSDAY. DURING THE SLOW MOVEMENT OF THE RESIDUAL MINIMUM, LOCALLY HEAVY RAINFALL TOTALS WILL BE POSSIBLE, WITH 24-HOUR AMOUNTS OF THE ORDER OF HALF THE MONTHLY AVERAGES FOR JANUARY OVER THESE REGIONS. OVER ZAMBIA THESE PRECIPITATIONS MAY LAST OVER THE WEEK-END.

THIS WARNING IS THE LAST ABOUT THIS SYSTEM.