

WTIO30 FMEE 301837

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 22/4/20232024

1.A TROPICAL CYCLONE 4 (ANGGREK)

2.A POSITION 2024/01/30 AT 1800 UTC:

WITHIN 20 NM RADIUS OF POINT 30.6 S / 75.8 E

(THIRTY DECIMAL SIX DEGREES SOUTH AND
SEVENTY FIVE DECIMAL EIGHT DEGREES EAST)

MOVEMENT: EAST-SOUTH-EAST 17 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 976 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 65 KT

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 165 SE: 155 SW: 185 NW: 185

34 KT NE: 130 SE: 110 SW: 100 NW: 120

48 KT NE: 75 SE: 55 SW: 50 NW: 75

64 KT NE: 45 SE: 35 SW: 35 NW: 45

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 600 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS (WINDS RADII IN KM):

12H: 2024/01/31 06 UTC: 32.2 S / 81.0 E, VENT MAX= 055 KT, POST-TROPICAL
DEPRESSION

28 KT NE: 295 SE: 165 SW: 260 NW: 270

34 KT NE: 155 SE: 100 SW: 140 NW: 155

48 KT NE: 65 SE: 55 SW: 45 NW: 55

24H: 2024/01/31 18 UTC: 34.9 S / 88.8 E, VENT MAX= 050 KT, EXTRATROPICAL
DEPRESSION

28 KT NE: 390 SE: 120 SW: 215 NW: 305

34 KT NE: 205 SE: 55 SW: 120 NW: 165

48 KT NE: 75 SE: 35 SW: 0 NW: 55

36H: 2024/02/01 06 UTC: 39.4 S / 97.8 E, VENT MAX= 045 KT, EXTRATROPICAL
DEPRESSION

28 KT NE: 630 SE: 370 SW: 195 NW: 360

34 KT NE: 335 SE: 240 SW: 165 NW: 220

48H: 2024/02/01 18 UTC: 44.2 S / 107.3 E, VENT MAX= 045 KT, EXTRATROPICAL
DEPRESSION

28 KT NE: 630 SE: 370 SW: 195 NW: 360

34 KT NE: 335 SE: 240 SW: 165 NW: 220

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=CI=NIL

ANGGREK'S CLOUD PATTERN HAS CHANGED LITTLE OVER THE LAST 6 HOURS, SHOWING A SLIGHT TEMPORARY COOLING. ANGGREK'S MAIN CHARACTERISTIC IS ITS WIND STRUCTURE: CYCLONIC-FORCE WINDS BUT AN INCREASINGLY ASSYMETRICAL STRUCTURE, AS SHOWN BY THE ASCAT PASS AT 1708UTC. WINDS OF AROUND 65KT ARE STILL ESTIMATED. THE TROPICAL STRUCTURE IS GIVING WAY TO A POST-CYCLONIC STRUCTURE

NO CHANGE IN TRACK FORECAST. ANGGREK IS NOW HEADING SOUTHEAST UNDER THE ACTION OF A NORTHWESTERLY FLOW JOINTLY DRIVEN BY A TROUGH TO THE WEST OF THE SYSTEM AND A RIDGE TO THE EAST. ON THIS TRACK, IT SHOULD ACCELERATE TOWARDS THE SOUTHERN LATITUDES WHILE MERGING INTO THE RAPID MID-LATITUDES.

ANGGREK WILL CONTINUE TO WEAKEN AND BEGIN ITS EXTRATROPICALIZATION PHASE IN THE VERY NEAR FUTURE, DRIVEN BY BAROCLINIC PROCESSES. HOWEVER, IT SHOULD MAINTAIN SIGNIFICANT INTENSITY, BECOMING A POWERFUL EXTRATROPICAL STORM OVER THE NEXT 24 HOURS, WITH WINDS REMAINING ABOVE STORM STRENGTH.

ANGGREK DOES NOT THREAT INHABITED LANDS.

THIS IS THE LAST BULLETIN FOR THIS SYSTEM, WHICH IS NEVERTHELESS CONTINUING TO EVOLVE IN TEMPERATE LATITUDES.