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

0.A WARNING NUMBER: 1/4/20232024
1.A TROPICAL CYCLONE 4 (ANGGREK)

2.A POSITION 2024/01/25 AT 1200 UTC:
WITHIN 30 NM RADIUS OF POINT 15.6 S / 89.4 E
(FIFTEEN DECIMAL SIX DEGREES SOUTH AND
EIGHTY NINE DECIMAL FOUR DEGREES EAST)
MOVEMENT: WEST-SOUTH-WEST 8 KT

3.A DVORAK ANALYSIS: 4.0/4.5/S 0.0/6 H

4.A CENTRAL PRESSURE: 975 HPA
5.A MAX AVERAGE WIND SPEED (10 MN): 75 KT
RADIUS OF MAXIMUM WINDS (RMW): 26 KM

6.A EXTENSION OF WIND BY QUADRANTS (KM):
28 KT NE: 175 SE: 280 SW: 260 NW: 140
34 KT NE: 130 SE: 185 SW: 165 NW: 95
48 KT NE: 65 SE: 85 SW: 70 NW: 55
64 KT NE: 35 SE: 45 SW: 45 NW: 35

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 400 KM
8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS (WINDS RADII IN KM):
12H: 2024/01/26 00 UTC: 16.5 S / 87.3 E, VENT MAX= 085 KT, TROPICAL CYCLONE
28 KT NE: 140 SE: 240 SW: 230 NW: 120
34 KT NE: 100 SE: 130 SW: 130 NW: 85
48 KT NE: 55 SE: 75 SW: 75 NW: 55
64 KT NE: 45 SE: 45 SW: 45 NW: 35

24H: 2024/01/26 12 UTC: 17.5 S / 85.1 E, VENT MAX= 090 KT, INTENSE TROPICAL CYCLONE
28 KT NE: 140 SE: 240 SW: 220 NW: 110
34 KT NE: 100 SE: 130 SW: 120 NW: 85
48 KT NE: 65 SE: 75 SW: 75 NW: 55
64 KT NE: 45 SE: 45 SW: 45 NW: 45

36H: 2024/01/27 00 UTC: 18.5 S / 82.8 E, VENT MAX= 090 KT, INTENSE TROPICAL CYCLONE
28 KT NE: 150 SE: 230 SW: 220 NW: 130
34 KT NE: 100 SE: 130 SW: 130 NW: 95

48 KT NE: 75 SE: 75 SW: 75 NW: 55
64 KT NE: 45 SE: 45 SW: 45 NW: 45

48H: 2024/01/27 12 UTC: 19.0 S / 80.6 E, VENT MAX= 090 KT, INTENSE TROPICAL CYCLONE
28 KT NE: 155 SE: 250 SW: 220 NW: 130
34 KT NE: 100 SE: 140 SW: 130 NW: 95
48 KT NE: 75 SE: 75 SW: 75 NW: 55
64 KT NE: 45 SE: 45 SW: 45 NW: 45

60H: 2024/01/28 00 UTC: 19.7 S / 77.4 E, VENT MAX= 095 KT, INTENSE TROPICAL CYCLONE
28 KT NE: 165 SE: 250 SW: 220 NW: 140
34 KT NE: 100 SE: 140 SW: 130 NW: 95
48 KT NE: 75 SE: 75 SW: 75 NW: 65
64 KT NE: 55 SE: 55 SW: 45 NW: 45

72H: 2024/01/28 12 UTC: 20.3 S / 74.3 E, VENT MAX= 095 KT, INTENSE TROPICAL CYCLONE
28 KT NE: 175 SE: 270 SW: 240 NW: 130
34 KT NE: 100 SE: 155 SW: 150 NW: 95
48 KT NE: 75 SE: 85 SW: 75 NW: 55
64 KT NE: 55 SE: 55 SW: 55 NW: 45

2.B LONGER-RANGE OUTLOOK:
96H: 2024/01/29 12 UTC: 24.5 S / 69.2 E, VENT MAX= 075 KT, TROPICAL CYCLONE
28 KT NE: 270 SE: 380 SW: 325 NW: 185
34 KT NE: 155 SE: 220 SW: 205 NW: 130
48 KT NE: 85 SE: 110 SW: 100 NW: 75
64 KT NE: 65 SE: 75 SW: 75 NW: 65

120H: 2024/01/30 12 UTC: 26.6 S / 66.4 E, VENT MAX= 055 KT, SEVERE TROPICAL STORM
28 KT NE: 285 SE: 400 SW: 335 NW: 205
34 KT NE: 165 SE: 240 SW: 215 NW: 140
48 KT NE: 80 SE: 120 SW: 110 NW: 80

2.C ADDITIONAL INFORMATION:
T=4.0 CI=4.5

THE TROPICAL SYSTEM ANGGREK, MONITORED OVER THE LAST FEW DAYS BY THE AUSTRALIAN WEATHER SERVICE, ENTERED OUR BASIN TODAY AS A TROPICAL CYCLONE SHORTLY AFTER 08 UTC, AND SHOWED AN EYE PATTERN THAT HAS GRADUALLY WEAKENED OVER THE LAST FEW HOURS. THE SSMIS F18 MICROWAVE IMAGE FROM 0949Z AND THE 0803Z AMSR2 SHOW A PARTICULARLY ROBUST 89GHZ CENTRAL CORE. IN THE LAST FEW HOURS BEFORE THE NETWORK, A HOT SPOT SEEMS TO BE BUILDING UP AGAIN, AND SUBJECTIVE DVORAK ANALYSIS IN EYE PATTERN MAY ONCE AGAIN BE POSSIBLE. THE INTENSITY ESTIMATE IS BASED ON THE ADJUSTED MET POINTING TO A PT OF 4 WITH A CI OF 4.5. THIS ANALYSIS IS SUPPORTED BY THE LATEST OBJECTIVE ANALYSES FROM CIMSS (AIDT/ADT), PROVIDING A CI AROUND 4.5+.

IN TERMS OF TRACK, AS A MATURE SYSTEM, ANGGREK IS CARRIED BY HIGH

TROPOSPHERIC FLOWS, GUIDED BY A SUBTROPICAL RIDGE LOCATED TO THE SOUTH OF THE SYSTEM. ANGGREK WILL THUS EVOLVE IN A GENERAL WEST-SOUTH-WESTERLY DIRECTION. FROM SUNDAY, THE RIDGE WILL RETREAT EASTWARDS, PUSHING THE SYSTEM FURTHER SOUTH-WEST.

TROPICAL CYCLONE ANGGREK IS EXPERIENCING EXCELLENT ENVIRONMENTAL CONDITIONS, WHICH SHOULD BRING IT TO THE STAGE OF INTENSE TROPICAL CYCLONE BY TOMORROW. ANGGREK IS EXPECTED TO REMAIN VERY INTENSE UNTIL THE END OF THE WEEK, AND MAY EVEN REACH THE STAGE OF VERY INTENSE TROPICAL CYCLONE ON SUNDAY, DESPITE A SLIGHT UPPER-LEVEL WIND SHEAR, THE EFFECTIVENESS OF WHICH IS COUNTERBALANCED BY THE SYSTEM'S RAPID WESTWARD MOVEMENT. EARLY NEXT WEEK, ANGGREK SHOULD ENTER A MORE OR LESS RAPID PHASE OF WEAKENING, DUE TO LESS AND LESS OCEAN HEAT CONTENT AND ABOVE ALL TO PERSISTENT STRONG UPPER-LEVEL WIND SHEAR SHEAR, GRADUALLY BECOMING CROSS-CUTTING. FORECASTING INTENSITY IS MADE DIFFICULT BY THE SMALL SIZE OF THE SYSTEM, WHICH COULD FLUCTUATE DUE TO INTERNAL MECHANISMS (NOTABLY THE EYEWALL REPLACEMENT CYCLE).

TROPICAL CYCLONE ANGGREK POSES NO THREAT TO INHABITED LAND.