

WTIO30 FMEE 280620

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 6/1/20222023

1.A REMNANT LOW 1 (ASHLEY)

2.A POSITION 2022/09/28 AT 0600 UTC:

WITHIN 20 NM RADIUS OF POINT 14.5 S / 76.2 E

(FOURTEEN DECIMAL FIVE DEGREES SOUTH AND
SEVENTY SIX DECIMAL TWO DEGREES EAST)

MOVEMENT: WEST-SOUTH-WEST 13 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 1005 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 30 KT

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 0 SE: 335 SW: 280 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 400 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: SHALLOW

1.B FORECASTS (WINDS RADII IN KM):

12H: 2022/09/28 18 UTC: 16.0 S / 73.5 E, VENT MAX= 030 KT, REMNANT LOW

28 KT NE: 0 SE: 260 SW: 220 NW: 0

24H: 2022/09/29 06 UTC: 17.3 S / 71.6 E, VENT MAX= 025 KT, REMNANT LOW

36H: 2022/09/29 18 UTC: 18.1 S / 70.3 E, VENT MAX= 025 KT, REMNANT LOW

48H: 2022/09/30 06 UTC: 19.3 S / 69.4 E, VENT MAX= 025 KT, EXTRATROPICAL
DEPRESSION

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=CI=NIL

CONVECTION HAS BEEN CONTINUOUSLY WEAKENING IN ASHLEY'S SOUTHERN
SEMI-CIRCLE DURING THE PAST 6 HOURS AND THIS MORNING'S SATELLITE
IMAGERY NOW SHOWS A TOTALLY EXPOSED LOW-LEVEL VORTEX DEPRIVED OF

ANY DEEP CONVECTION, THE CLOSEST COLD CLOUDTOPS BEING MORE THAN 90 NM FROM THE CENTER IN THE SOUTHEASTERN QUADRANT. THE SYSTEM'S FINAL WEAKENING STAGE IS THUS ONGOING, CONFIRMING THE INFLUENCE OF INCREASING MID-LEVEL DRY AIR INTRUSIONS, NORTHEASTERLY WIND SHEAR AND DECREASING OCEAN HEAT CONTENT. THEREFORE, ASHLEY IS DOWNGRADED TO A REMNANT LOW. MAXIMUM WINDS ARE ESTIMATED AROUND 30KT, ACCORDING TO LAST NIGHT'S PARTIAL ASCAT DATA AND AVAILABLE NWP GUIDANCE.

ASHLEY'S REMNANT LOW-LEVEL VORTEX IS FOLLOWING A WEST-SOUTHWESTWARD TRACK ALONG THE EDGE OF THE SUBTROPICAL HIGH LOCATED TO THE SOUTHEAST OF THE SYSTEM. FROM FRIDAY, IT WILL THEN BE ATTRACTED MORE SOUTHWARD WHILE INTERACTING WITH A MID-LATITUDE TROUGH CLOSE TO 20S/70E. IT WILL THUS REMAIN AWAY FROM INHABITED ISLANDS, OFF THE EAST OF THE MASCARENE ARCHIPELAGO. ASSOCIATED WINDS COULD KEEP REACHING NEAR-GALE FORCE IN THE SHORT TERM IN THE SYSTEM'S SOUTHERN SEMI-CIRCLE.

THIS IS THE LAST ADVISORY ON THIS SYSTEM.