

WTIO30 FMEE 170644

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

0.A WARNING NUMBER: 7/1/20182019

1.A TROPICAL DISTURBANCE 1

2.A POSITION 2018/09/17 AT 0600 UTC:

WITHIN 20 NM RADIUS OF POINT 12.5 S / 62.7 E

(TWELVE DECIMAL FIVE DEGREES SOUTH AND SIXTY TWO DECIMAL SEVEN
DEGREES EAST)

MOVEMENT : WEST 9 KT

3.A DVORAK ANALYSIS: 1.5/2.0/W 0.5/24 H

4.A CENTRAL PRESSURE: 1008 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):

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1013 HPA / 200 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2018/09/17 18 UTC: 12.2 S / 60.2 E, MAX WIND=025 KT, FILLING UP

24H: 2018/09/18 06 UTC: 11.1 S / 57.2 E, MAX WIND=025 KT, FILLING UP

36H: 2018/09/18 18 UTC: 10.0 S / 53.5 E, MAX WIND=025 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

FT=1.5 CI=2.0

NOW WITHIN AN HOSTILE ENVIRONMENT (VERY DRY AIR AT MID-LEVELS,
INCREASING NORTH-EASTERLY SHEAR, COOL OCEAN), THE SYSTEM IS STRUGGLING
TO MAINTAIN ORGANIZED DEEP CONVECTION. THE LEW LEVEL CENTER, NOW

WELL EXPOSED, APPEARS STILL WELL DEFINED.

THE SYSTEM HAS TURNED WESTWARDS AND THERE IS NO CHANGE IN THE TRACK FORECAST: WITH THE STRENGTHENING OF THE RIDGE OVER MADAGASCAR, THE SYSTEM IS FORECAST TO CURVE NORTHWESTWARD AS IT ACCELERATES. ON THIS TRACK, THE SYSTEM IS EXPECTED TO PASS CLOSE TO AGALEGA TOMORROW AROUND MID-DAY. THE CURRENT FORECAST LET THE ISLANDS JUST NORTH OF THE MAIN WEATHER ASSOCIATED WITH THIS SYSTEM (POTENTIALLY HEAVY RAINFALLS AND 25/30 KT WINDS). IT IS WORTH NOTING THAT ONLY A SLIGHT NORTHWARDS SHIFT OF THE TRACK COULD BRING THIS WEATHER OVER THE AGALEGA ISLANDS.

NO MAJOR CHANGE ALSO IN THE INTENSITY FORECAST: ENVIRONMENTAL CONDITIONS ARE EXPECTED TO REMAIN UNFAVORABLE. THUS, THE LOW IS EXPECTED TO DISSIPATE LATER THIS WEEK. HOWEVER THE ARRIVAL OF A LOW LEVEL HIGH PRESSURE CELL SOUTH OF THE SYSTEM SHOULD MAINTAIN RATHER STRONG WINDS REACHING LOCALLY NEAR GALE FORCE OVER THE SOUTHERN SEMI-CIRCLE BY GRADIENT EFFECT. SOME BURST OF CONVECTION ARE LIKELY TO OCCUR AT TIME AT CLOCK WITH THE OCEANIC DIURNAL EFFECT.

LAST ADVISORY ON THIS SYSTEM UNLESS RE-INTENSIFICATION. IT WILL REMAIN UNDER CLOSE WATCH AND SOME ADDITIONAL INFORMATION WILL BE AVAILABLE WITH THE AWIO20 FMEE BULLETIN ISSUED EVERY DAY BEFORE 12Z.