

WTIO30 FMEE 140635

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 1/12/20192020

1.A TROPICAL DEPRESSION 12

2.A POSITION 2020/04/14 AT 0600 UTC:

WITHIN 30 NM RADIUS OF POINT 13.6 S / 87.9 E

(THIRTEEN DECIMAL SIX DEGREES SOUTH AND
EIGHTY SEVEN DECIMAL NINE DEGREES EAST)

MOVEMENT: WEST-SOUTH-WEST 8 KT

3.A DVORAK ANALYSIS: 2.0/2.0/D 1.0/24 H

4.A CENTRAL PRESSURE: 1002 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: 90 SW: 130 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1009 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: MEDIUM

1.B FORECASTS:

12H: 2020/04/14 18 UTC: 14.9 S / 86.0 E, VENT MAX= 030 KT, TROPICAL DEPRESSION

24H: 2020/04/15 06 UTC: 16.1 S / 84.1 E, VENT MAX= 035 KT, MODERATE TROPICAL
STORM

36H: 2020/04/15 18 UTC: 17.2 S / 82.4 E, VENT MAX= 035 KT, MODERATE TROPICAL
STORM

48H: 2020/04/16 06 UTC: 18.2 S / 80.8 E, VENT MAX= 030 KT, FILLING UP

60H: 2020/04/16 18 UTC: 19.3 S / 79.1 E, VENT MAX= 030 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

FT=CI=2.0+

THE LOW PRESSURE AREA THAT HAS FORMED OVER THE AUSTRALIAN AREA OF
REPPONSABILITY 48 HOURS AGO, HAS CROSSED THE 90E LAST NIGHT. INITIALLY
IMPEDED BY SOME NORTH-EASTERLY SHEAR, THE DEEP CONVECTION HAS BECOME
A LITTLE BETTER ORGANISED LAST NIGHT AS THE SHEAR HAS LESSEN. MW DATA
OVERNIGHT ALONG WITH ASCAT-A DATA OF 0302Z SHOW A CONSOLIDATING LOW
LEVEL ORGANISATION. THUNDERSTORM ACTIVITY REMAINS HOWEVER VERY

FLUXTUATING WITH SIGNIFICANT CLOUD TOPS WARMING FOLLOWED BY A RECENT BURST WITHIN THE SOUTH-EASTERN QUADRANT. THE FINAL INTENSITY IS SET AT 30 KT BASED ON ASCAT-A DATA THAT SHOWS NEAR GALE FORCE WINDS OVER MUCH OF THE SOUTHERN SEMI-CIRCLE.

THIS SYSTEM, THAT SHOULD GENERALLY MOVE WEST-SOUTHWESTWARDS DURING THE NEXT 48 HOURS OVER THE NORTHERN EDGE OF THE SUBTROPICAL RIDGE, HAS ONLY A SMALL WINDOW (24-30 H) FOR FURTHER INTENSIFICATION UNDER THE UPPER LEVEL RIDGE. BEYOND, INCREASING NORTH-WESTERLY SHEAR AS THE SYSTEM IS EXPECTED TO NEARING A SUBTROPICAL JETSTREAM BRANCH, ASSOCIATED WITH MID-LEVELS DRY AIR INTRUSION SHOULD DEFINITELY WEAKEN THE SYSTEM.

THIS SYSTEM IS NOT EXPECTED TO THREAT ANY INHABITED AREAS.

THE INTENSITY OF THIS SYSTEM DOES NOT REQUIRE THE ISSUANCE OF REGULAR WARNINGS AT THIS TIME.