

WTIO30 FMEE 071847

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

0.A WARNING NUMBER: 23/6/20172018

1.A POST-TROPICAL DEPRESSION 6 (EX-DUMAZILE)

2.A POSITION 2018/03/07 AT 1800 UTC:

WITHIN 20 NM RADIUS OF POINT 28.4 S / 56.9 E

(TWENTY EIGHT DECIMAL FOUR DEGREES SOUTH AND FIFTY SIX DECIMAL NINE
DEGREES EAST)

MOVEMENT : SOUTH-EAST 10 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 965 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 55 KT

RADIUS OF MAXIMUM WINDS (RMW) :NIL

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

28 KT NE: 740 SE: 1,110 SW: 480 NW: 520

34 KT NE: 390 SE: 870 SW: 410 NW: 390

48 KT NE: 0 SE: 0 SW: 300 NW: 190

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1006 HPA / 1400 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2018/03/08 06 UTC: 29.7 S / 58.5 E, MAX WIND=050 KT, POST-TROPICAL
DEPRESSION

24H: 2018/03/08 18 UTC: 32.6 S / 61.0 E, MAX WIND=050 KT, POST-TROPICAL
DEPRESSION

36H: 2018/03/09 06 UTC: 37.5 S / 62.2 E, MAX WIND=050 KT, EXTRATROPICAL
DEPRESSION

48H: 2018/03/09 18 UTC: 41.6 S / 64.2 E, MAX WIND=050 KT, EXTRATROPICAL
DEPRESSION

60H: 2018/03/10 06 UTC: 46.2 S / 68.4 E, MAX WIND=045 KT, EXTRATROPICAL
DEPRESSION

72H: 2018/03/10 18 UTC: 51.1 S / 72.4 E, MAX WIND=040 KT, EXTRATROPICAL
DEPRESSION

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

ASCAT-A PASS AT 1739Z WAS USEFUL TO ASSESS POSITION, INTENSITY AND WINDS RADII FOR EX-DUMAZILE. THE ASCAT PASS REPORTED BELIEVABLE 50-55 KT WINDS AT 70-75 NM WEST OF THE CENTER, SUGGESTING MAX WINDS AT LEAST AT 55 KT. WITH AN ONGOING EXTRA-TROPICAL TRANSITION, THE WIND FIELD OF THE SYSTEM IS GRADUALLY INCREASING.

NO MAJOR CHANGE FOR THE GENERAL REASONNING OF THE FORECAST FOR THE NEXT FEW DAYS:

THE SYSTEM IS EXPECTED TO KEEP ON ITS SOUTH-EASTWARDS TRACK AS IT ROUNDS THE MID-LEVEL RIDGE. LATE ON THURSDAY, THE SYSTEM SHOULD ACCELERATE WITHIN THE QUICKLY MID-LATITUDES CIRCULATION AHEAD A WIDE MID-LEVEL TROUGH.

FRIDAY, IT SHOULD GAIN FRONTAL FEATURE MORE DEFINED ON A QUICK SOUTH-EASTWARDS TRACK AND INTERACT WITH A POLAR DEPRESSION ON SUNDAY AFTER PASSING CLOSE TO KERGUELEN ISLAND.