

WTIO30 FMEE 201224

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

0.A WARNING NUMBER: 31/3/20172018

1.A POST-TROPICAL DEPRESSION 3 (EX-BERGUITTA)

2.A POSITION 2018/01/20 AT 1200 UTC:

WITHIN 21 NM RADIUS OF POINT 31.1 S / 49.4 E

(THIRTY ONE DECIMAL ONE DEGREES SOUTH AND FORTY NINE DECIMAL FOUR
DEGREES EAST)

MOVEMENT : SOUTH-SOUTH-WEST 18 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 982 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 40 KT

RADIUS OF MAXIMUM WINDS (RMW) :83 KM

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

28 KT NE: 460 SE: 560 SW: 560 NW: 460

34 KT NE: 330 SE: 410 SW: 330 NW: 220

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1006 HPA / 1000 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION : MEDIUM

1.B FORECASTS:

12H: 2018/01/21 00 UTC: 32.8 S / 49.8 E, MAX WIND=040 KT, POST-TROPICAL
DEPRESSION

24H: 2018/01/21 12 UTC: 33.7 S / 52.1 E, MAX WIND=040 KT, POST-TROPICAL
DEPRESSION

36H: 2018/01/22 00 UTC: 34.6 S / 54.9 E, MAX WIND=040 KT, POST-TROPICAL
DEPRESSION

48H: 2018/01/22 12 UTC: 36.5 S / 58.1 E, MAX WIND=035 KT, FILLING UP

60H: 2018/01/23 00 UTC: 37.3 S / 59.2 E, MAX WIND=030 KT, FILLING UP

72H: 2018/01/23 12 UTC: 38.5 S / 60.6 E, MAX WIND=025 KT, FILLING UP

2.B LONGER-RANGE OUTLOOK :

2.C ADDITIONAL INFORMATION:

DEEP CONVECTION ASSOCIATED TO EX-BERGUITTA IS VERY LIMITED. THE
MAXIMUM WINDS ARE ESTIMATED AT 40KT FAR FROM THE CENTER.

THE RAPID SOUTHERN TRACK WILL SLOW INTO THE EVENING, STOPPED BY A LOW/MID LEVEL RIDGE MOVING SOUTH OF THE SYSTEM. NEXT, EX-BERGUITTA IS EXPECTED TO LEAVE TROPICAL LATITUDES, SOUTH-EASTWARDS, DRIVEN BY THE PASSAGE OF A TROUGH AT SOUTH-EAST.

EX-BERGUITTA SHOULD KEEP A SHALLOW WARM CORE AND MODERATE CONVECTION BEFORE STARTING ITS WEAKING WITHIN 48 HOURS.

THIS IS THE LAST WARNING ABOUT THIS SYSTEM, WHICH WILL BE CLOSELY MONITORED BY BULLETIN FQIO20 FMEE.