

WTIO30 FMEE 250004

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 4/7/20182019

1.A POST-TROPICAL DEPRESSION 7 (EX-EKETSANG)

2.A POSITION 2019/01/25 AT 0000 UTC:

WITHIN 30 NM RADIUS OF POINT 27.2 S / 44.4 E

(TWENTY SEVEN DECIMAL TWO DEGREES SOUTH AND
FORTY FOUR DECIMAL FOUR DEGREES EAST)

MOVEMENT: SOUTH-EAST 13 KT

3.A DVORAK ANALYSIS: NIL

4.A CENTRAL PRESSURE: 992 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 35 KT

RADIUS OF MAXIMUM WINDS (RMW): NIL

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

28 KT NE: 170 SE: 350 SW: 0 NW: 0

34 KT NE: 60 SE: 0 SW: 0 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 1900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS:

12H: 2019/01/25 12 UTC: 29.5 S / 47.7 E, VENT MAX= 000 , POST-TROPICAL DEPRESSION

24H: 2019/01/26 00 UTC: 31.4 S / 50.8 E, VENT MAX= 000 , POST-TROPICAL DEPRESSION

36H: 2019/01/26 12 UTC: 33.8 S / 54.1 E, VENT MAX= 000 , EXTRATROPICAL DEPRESSION

48H: 2019/01/27 00 UTC: 37.1 S / 57.5 E, VENT MAX= 000 , EXTRATROPICAL DEPRESSION

60H: 2019/01/27 12 UTC: 41.3 S / 61.6 E, VENT MAX= 000 , EXTRATROPICAL DEPRESSION

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

DURING THE 6 HOURS, A BURST OF CONVECTION HAS OCCURRED NEAR THE CENTER. BUT WATER-VAPOR IMAGERY SHOWS THAT THE SYSTEM INTERACTS NOW WITH THE UPPER LEVEL TROUGH. 1741Z GMI MICROWAVE IMAGERY SHOWS A LOW LEVEL CIRCULATION MORE AND MORE ELONGATED AND ILL-DEFINED. SO THE SYSTEM IS DECLASSED AS A POST-TROPICAL SYSTEM.

NO CHANGE IN TERMS OF TRACK PREDICTION, THE MODELS REMAIN IN GOOD AGREEMENT. THE LOW-LEVEL TROUGH WHICH FLOWS FURTHER SOUTH INDUCES A WELL-DEFINED TRACK : EKETSANG EVACUATES QUICKLY TO THE SOUTHEAST.

THE SYSTEM SHOULD CONTINUE TO LOOSE ITS PURELY TROPICAL CHARACTERISTICS AS IT INTERACTS WITH THE BAROCLINIC ZONE AND THE UPPER LEVEL TROUGH. A FRONTOGENESIS AND A EXTRATROPICALISATION SHOULD START TODAY AND ACHIEVE SUNDAY.