

WTIO30 FMEE 230645

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 3/14/20182019

1.A TROPICAL DEPRESSION 14

2.A POSITION 2019/04/23 AT 0600 UTC:

WITHIN 20 NM RADIUS OF POINT 10.3 S / 50.0 E

(TEN DECIMAL THREE DEGREES SOUTH AND  
FIFTY DECIMAL ZERO DEGREES EAST)

MOVEMENT: WEST 8 KT

3.A DVORAK ANALYSIS: 2.5/2.5/D 0.5/12 H

4.A CENTRAL PRESSURE: 1001 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 30 KT

RADIUS OF MAXIMUM WINDS (RMW): 56 KM

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

28 KT NE: 0 SE: 0 SW: 110 NW: 110

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1008 HPA / 900 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS:

12H: 2019/04/23 18 UTC: 10.5 S / 48.0 E, VENT MAX= 035 KT, MODERATE TROPICAL  
STORM

24H: 2019/04/24 06 UTC: 10.7 S / 45.7 E, VENT MAX= 045 KT, MODERATE TROPICAL  
STORM

36H: 2019/04/24 18 UTC: 11.1 S / 43.7 E, VENT MAX= 055 KT, SEVERE TROPICAL STORM

48H: 2019/04/25 06 UTC: 11.1 S / 41.9 E, VENT MAX= 065 KT, TROPICAL CYCLONE

60H: 2019/04/25 18 UTC: 11.3 S / 40.4 E, VENT MAX= 075 KT, TROPICAL CYCLONE

72H: 2019/04/26 06 UTC: 11.7 S / 39.9 E, VENT MAX= 040 KT, OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK:

96H: 2019/04/27 06 UTC: 12.4 S / 39.7 E, VENT MAX= 020 KT, OVERLAND DEPRESSION

2.C ADDITIONAL INFORMATION:

FT=CI=2.5-

OVER THE PAST SIX HOURS, 14 CONTINUE TO SHOW A SHEARED PATTERN WITH ITS  
CENTER ON THE EASTERN EDGE OF THE CONVECTIVE CORE. SHEAR IS ANALYSED  
AROUND 15KT BY CIMSS. HOWEVER THE LAST BURSTS HELPED IN RELOCATE THE  
CENTER CLOSER TO THE CONVECTION, AS TESTIFIED BY ASCAT DATA. THESE DATA  
ALSO CONFIRM THE PRESENCE OF NEAR GALE FORCE WINDS IN THE WESTERN

SEMI-CIRCLE.

THE SYSTEM IS EXPECTED TO START TO ACCELERATE ON A GENERAL WESTWARDS TRACKS OVER THE NORTHERN EDGE OF A BUILDING LOW TO MID LEVELS HIGHS.

ABOUT ITS INTENSITY, THERE IS SOME UNCERTAINTY ABOUT HOW THE CURRENT SHEAR MAY CONTINUE TO AFFECT THE SYSTEM WITHIN THE NEXT FEW DAYS. INDEED, THE SHEAR IS EXPECTED TO BE LOWER FROM TOMORROW AND SO BECOMRE LESS SIGNIFICANT GIVEN THE MOVEMENT OF THE LOW IS THE SAME DIRECTION. MOST OF THE GUIDANCE SUGGEST THAT THE TROPICAL CYCLONE STATUS WILL BE REACHED BEFORE LANDFALL. THEREFORE 14 WILL PROBABLY BE A DANGEROUS SYSTEM WHEN IT WILL BE NEAR THE NORTHERN COMOROS ISLANDS AND THE NORTHERN MOZAMBIQUE / SOUTHERN TANZANIA COASTS LATER THIS WEEK. INTERESTS THERE SHOULD CLOSELY MONITOR THE PROGRESS OF THIS SYSTEM.