

WTIO30 FMEE 240015
RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 6/14/20182019

1.A SEVERE TROPICAL STORM 14 (KENNETH)

2.A POSITION 2019/04/24 AT 0000 UTC:
WITHIN 30 NM RADIUS OF POINT 10.8 S / 46.4 E
(TEN DECIMAL EIGHT DEGREES SOUTH AND
FORTY SIX DECIMAL FOUR DEGREES EAST)
MOVEMENT: WEST 13 KT

3.A DVORAK ANALYSIS: 4.0/4.0/D 1.5/12 H

4.A CENTRAL PRESSURE: 990 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 55 KT
RADIUS OF MAXIMUM WINDS (RMW): 28 KM

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

28 KT NE: 110 SE: 170 SW: 190 NW: 170

34 KT NE: 90 SE: 110 SW: 130 NW: 110

48 KT NE: 60 SE: 60 SW: 60 NW: 60

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1008 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS:

12H: 2019/04/24 12 UTC: 11.0 S / 44.2 E, VENT MAX= 065 KT, TROPICAL CYCLONE

24H: 2019/04/25 00 UTC: 11.2 S / 42.3 E, VENT MAX= 075 KT, TROPICAL CYCLONE

36H: 2019/04/25 12 UTC: 11.6 S / 40.5 E, VENT MAX= 085 KT, TROPICAL CYCLONE

48H: 2019/04/26 00 UTC: 11.9 S / 39.3 E, VENT MAX= 050 KT, OVERLAND DEPRESSION

60H: 2019/04/26 12 UTC: 12.6 S / 38.9 E, VENT MAX= 040 KT, OVERLAND DEPRESSION

72H: 2019/04/27 00 UTC: 12.9 S / 39.0 E, VENT MAX= 030 KT, OVERLAND DEPRESSION

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

FT=CI=4.0

OVER THE PAST SIX HOURS, THE SYSTEM HAS CONTINUED TO STRENGTHEN. SOME STRONG BURSTS OF CONVECTION WITH VERY COLD TOP CLOUDS OCCUR REGULARLY NEAR THE CENTER. THE SYSTEM HAS ACCELERATED WESTWARD THAT DECREASE THE EFFECT OF THE EASTERN VERTICAL WINDSHEAR ALWAYS ANALYSED AT 25 KT BY THE CIMSS AT 18Z.

KENNETH IS EXPECTED TO MOVE QUICKLY ON A GENERAL WESTWARDS MOTION ON THE NORTHERN EDGE OF A BUILDING LOW TO MID LEVELS HIGHS WHILE MOVING EASTWARD. ON THE CURRENT TRACK, A LANDFALL ON THE NORTH MOZAMBICAN COAST IS EXPECTED THURSDAY EVENING AFTER A TRANSIT IN THE VICINITY NORTH OF COMORES ISLAND WEDNESDAY EVENING.

THEN, THE ARRIVAL OF A DEEP UPPER TROUGH IN THE SOUTH-WEST MAY DRIVE THE REMNANT LOW OVER THE CHANNEL. BUT THIS SCENARIO IS STILL UNLIKELY.

THE EASTERN VERTICAL WINDSHEAR IS FORECASTED TO DECREASE PROGRESSIVELY FROM TODAY ALLOWING TO THE SYSTEM TO KEEP ON ITS INTENSIFICATION. MOST OF THE GUIDANCE SUGGEST THAT THE TROPICAL CYCLONE STATUS WILL BE REACHED BEFORE LANDFALL. THEREFORE KENENTH SHOULD 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.