WTIO30 FMEE 101811
RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 9/11/20182019

1.A TROPICAL CYCLONE 11 (IDAI)

2.A POSITION 2019/03/10 AT 1800 UTC:
WITHIN 20 NM RADIUS OF POINT 17.2 S / 43.2 E
(SEVENTEEN DECIMAL TWO DEGREES SOUTH AND
FORTY THREE DECIMAL TWO DEGREES EAST)
MOVEMENT: EAST 3 KT

3.A DVORAK ANALYSIS: 4.5/4.5/D 1.0/6 H

4.A CENTRAL PRESSURE: 978 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 65 KT
RADIUS OF MAXIMUM WINDS (RMW): 28 KM

6.A EXTENSION OF WIND BY QUADRANTS (KM):
28 KT NE: 190 SE: 190 SW: 200 NW: 170
34 KT NE: 100 SE: 100 SW: 140 NW: 100
48 KT NE: 60 SE: 60 SW: 70 NW: 60
64 KT NE: 40 SE: 40 SW: 40 NW: 40

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1007 HPA / 500 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS:
12H: 2019/03/11 06 UTC: 17.4 S / 43.3 E, VENT MAX= 080 KT, TROPICAL CYCLONE
24H: 2019/03/11 18 UTC: 18.2 S / 42.7 E, VENT MAX= 090 KT, INTENSE TROPICAL CYCLONE
36H: 2019/03/12 06 UTC: 18.9 S / 41.8 E, VENT MAX= 095 KT, INTENSE TROPICAL CYCLONE
48H: 2019/03/12 18 UTC: 19.4 S / 40.8 E, VENT MAX= 100 KT, INTENSE TROPICAL CYCLONE
60H: 2019/03/13 06 UTC: 19.7 S / 39.7 E, VENT MAX= 110 KT, INTENSE TROPICAL CYCLONE
72H: 2019/03/13 18 UTC: 19.9 S / 38.5 E, VENT MAX= 105 KT, INTENSE TROPICAL CYCLONE

2.B LONGER-RANGE OUTLOOK:
96H: 2019/03/14 18 UTC: 19.5 S / 36.2 E, VENT MAX= 090 KT, INTENSE TROPICAL CYCLONE
120H: 2019/03/15 18 UTC: 17.9 S / 34.6 E, VENT MAX= 050 KT, OVERLAND DEPRESSION
2.C ADDITIONAL INFORMATION:
T=CI=4.5-

DURING THE LAST 6 HOURS, THE SYSTEM HAS INTENSIFIED. IN INFRARED IMAGERY, AN EYE FEATURE IS APPEARED AT 1400Z. THE LAST IMAGERIES SHOW T-NUMBERS BETWEEN 5.5 AND 6. TO RESPECT DVORAK CONSTRAINT, CI IS ESTIMATED AT 4.5-. ACCORDING WITH THE TRADITIONAL IMAGERY, 1544Z 91 GHZ MICROWAVE IMAGERY SHOWS AN IMPROVING INTERNAL STRUCTURE WITH A CENTRAL RING OF CONVECTION WELL FORMED.

WITH THE WEAKENING OF THE NEAR-EQUATORIAL RIDGE AND THE STRENGTHENING OF THE SUBTROPICAL RIDGE, IDAI REMAINS IN CONDITIONS OF ALMOST NO GUIDING FLOW. IT IS NECESSARY TO WAIT TOMORROW FOR THE SYSTEM TO RESUME A SOUTHWESTWARD TRACK ACCELERATING STEERED BY THE SUBTROPICAL RIDGE. FROM WEDNESDAY, IDAI SHOULD BEND WESTWARD BEFORE TO MAKE LANDFALL OVER MOZAMBIQUE COASTLINES THURSDAY NIGHT. MODELS ARE IN GOOD AGREEMENT WITH THIS TRACK PHILOSOPHY. BUT MODELS APPREHEND WITH DIFFICULTY THE CURVE SOUTHWESTWARD LINKED TO THE STEERING FLOW CHANGING. SO, THE UNCERTAINTY ABOUT THE TIMING AND THE LOCATION OF THE LANDFALL IS HIGH.