

WTIO30 FMEE 211823
RSMC / TROPICAL CYCLONE CENTER / LA REUNION
TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 8/16/20202021

1.A SEVERE TROPICAL STORM 16 (JOB0)

2.A POSITION 2021/04/21 AT 1800 UTC:
WITHIN 20 NM RADIUS OF POINT 9.8 S / 47.0 E
(NINE DECIMAL EIGHT DEGREES SOUTH AND
FORTY SEVEN DECIMAL ZERO DEGREES EAST)
MOVEMENT: WEST 6 KT

3.A DVORAK ANALYSIS: 3.0/4.0/W 1.0/6 H

4.A CENTRAL PRESSURE: 985 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 60 KT
RADIUS OF MAXIMUM WINDS (RMW): 19 KM

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

28 KT NE: 95 SE: 335 SW: 220 NW: 95

34 KT NE: 55 SE: 95 SW: 95 NW: 55

48 KT NE: 35 SE: 35 SW: 40 NW: 35

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1009 HPA / 400 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS (WINDS RADII IN KM):

12H: 2021/04/22 06 UTC: 9.7 S / 45.3 E, VENT MAX= 055 KT, SEVERE TROPICAL STORM

28 KT NE: 75 SE: 155 SW: 150 NW: 100

34 KT NE: 65 SE: 75 SW: 55 NW: 55

48 KT NE: 45 SE: 30 SW: 35 NW: 35

24H: 2021/04/22 18 UTC: 9.5 S / 43.8 E, VENT MAX= 045 KT, MODERATE TROPICAL
STORM

28 KT NE: 140 SE: 120 SW: 85 NW: 110

34 KT NE: 65 SE: 55 SW: 20 NW: 100

36H: 2021/04/23 06 UTC: 9.1 S / 42.6 E, VENT MAX= 040 KT, MODERATE TROPICAL
STORM

28 KT NE: 75 SE: 130 SW: 120 NW: 65

34 KT NE: 65 SE: 55 SW: 45 NW: 35

48H: 2021/04/23 18 UTC: 8.4 S / 41.3 E, VENT MAX= 030 KT, FILLING UP

28 KT NE: 30 SE: 130 SW: 130 NW: 65

60H: 2021/04/24 06 UTC: 7.8 S / 40.4 E, VENT MAX= 025 KT, FILLING UP

72H: 2021/04/24 18 UTC: 7.4 S / 39.6 E, VENT MAX= 020 KT, REMNANT LOW

2.B LONGER-RANGE OUTLOOK:
NIL

2.C ADDITIONAL INFORMATION:
T=3.0+;CI=4.0+

OVER THE LAST 6 HRS, JOBO'S CLOUD PATTERN CLEARLY DETERIORATED. THE LAST MODEL ANALYSIS SUGGEST A MODERATE MID-LEVEL NORTH-WESTERLY SHEAR THAT PUSHED DRY AIR CLOSE TO THE TC CORE. DEEP CONVECTION ONLY TRIGGERED AGAIN OVER THE SOUTHERN SEMI-CIRCLE IN THE LAST 2 HRS, PRODUCING AN ILL-DEFINED CDO PATTERN. SSMIS 1328Z AND 1519Z MW IMAGES CONFIRM THIS DISORGANISATION OF JOBO'S INTERNAL STRUCTURE WITH A FAR WEAKER CORE THAN ON PREVIOUS IMAGES. ONLY A PSEUDO-EYE REMAINS VISIBLE ON 85GHZ IMAGERY, BETWEEN TWO CONVECTION BANDS IN THE SOUTH AND THE NORTH.

IN TERMS OF TRACK, JOBO HAS RESUMED A WESTWARD MOTION ON THE NORTHERN SIDE OF THE SUBTROPICAL HIGH GEOPOTENTIALS. AS IT WEAKENED, THE STORM FOUND A STRONGER STEERING FLOW AGAIN, WITHIN THE LOWER LEVELS OF THE TROPOSPHERE. TOMORROW, JOBO SHOULD CONTINUE WESTWARD BEFORE A NORTH-WESTWARD TURN LATER ON. THE DISPERSION AROUND THIS SCENARIO IS MODERATE. SOME TIMING DIFFERENCES REMAIN BETWEEN THE AVAILABLE MODELS BUT GFS AND IFS ARE NOW IN RATHER GOOD AGREEMENT.

OVER THE NEXT 24H, THE AFOREMENTIONNED NORTH-WESTERLY SHEAR AT THE MID-LEVELS COULD KEEP ON HINDERING JOBO'S DEVELOPMENT. THE INTENSITY IS THUS EXPECTED TO REMAINS SOMEWHAT STATIONARY OR EVEN DECREASE A BIT. FROM TOMORROW EVENING, A WESTERLY SHEAR SHOULD APPEAR AT MID AND UPPER LEVELS AND TRIGGER A STRONGER WEAKENING. DRY AIR SHOULD ALSO BE MORE PRESENT FROM FRIDAY EVENING. JOBO'S SMALL SIZE MAKES IT VERY SENSIBLE TO ITS ENVIRONMENT, THUS INDUCING A GREATER UNCERTAINTY THAN USUAL ON THE INTENSITY FORECAST.

POSSIBLE IMPACTS EXPECTED ON THE OUTER ISLANDS OF THE SEYCHELLES (ASTOVE, COSMOLEDO, ALDABRA) :

- VERY INTENSE RAINFALL THAT COULD EXCEED 200 MM IN 24 HOURS.
- STRONG WINDS (DEPENDING ON THE EXACT TRACK OF THE STORM): CYCLONIC CONDITIONS (GUSTS OVER 150 KM/H) CAN'T BE RULED OUT
- DANGEROUS SEA CONDITIONS: WAVES EXCEEDING 6 METERS LOCALLY, STORM SURGE REACHING 30 TO 40 CM.

BECAUSE OF JOBO'S SMALL SIZE, THE AREA AFFECTED BY SEVERE WEATHER CONDITIONS IS VERY NARROW, HENCE HIGH UNCERTAINTY ABOUT THESE IMPACTS.