

WTIO30 FMEE 021211

RSMC / TROPICAL CYCLONE CENTER / LA REUNION

TROPICAL CYCLONE FORECAST WARNING (SOUTH-WEST INDIAN OCEAN)

0.A WARNING NUMBER: 19/9/20252026

1.A SEVERE TROPICAL STORM 9 (FYTIA)

2.A POSITION 2026/02/02 AT 1200 UTC:

WITHIN 20 NM RADIUS OF POINT 22.0 S / 53.0 E

(TWENTY TWO DECIMAL ZERO DEGREES SOUTH AND
FIFTY THREE DECIMAL ZERO DEGREES EAST)

MOVEMENT: SOUTH-EAST 9 KT

3.A DVORAK ANALYSIS: 3.0/3.5/S 0.0/6 H

4.A CENTRAL PRESSURE: 992 HPA

5.A MAX AVERAGE WIND SPEED (10 MN): 50 KT

RADIUS OF MAXIMUM WINDS (RMW): 56 KM

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

28 KT NE: 130 SE: 185 SW: 185 NW: 130

34 KT NE: 75 SE: 165 SW: 130 NW: 85

48 KT NE: 65 SE: 0 SW: 80 NW: 65

64 KT NE: 0 SE: 0 SW: 0 NW: 0

7.A FIRST CLOSED ISOBAR (PRESSURE / AVERAGE DIAM): 1010 HPA / 700 KM

8.A VERTICAL EXTENSION OF CYCLONE CIRCULATION: DEEP

1.B FORECASTS (WINDS RADII IN KM):

12H: 2026/02/03 00 UTC: 23.2 S / 53.9 E, VENT MAX= 050 KT, SEVERE TROPICAL STORM

28 KT NE: 150 SE: 130 SW: 140 NW: 100

34 KT NE: 95 SE: 100 SW: 85 NW: 55

48 KT NE: 55 SE: 65 SW: 55 NW: 35

24H: 2026/02/03 12 UTC: 23.6 S / 54.4 E, VENT MAX= 045 KT, MODERATE TROPICAL
STORM

28 KT NE: 120 SE: 185 SW: 155 NW: 130

34 KT NE: 75 SE: 130 SW: 130 NW: 55

36H: 2026/02/04 00 UTC: 23.7 S / 54.6 E, VENT MAX= 035 KT, MODERATE TROPICAL
STORM

28 KT NE: 120 SE: 185 SW: 175 NW: 100

34 KT NE: 75 SE: 130 SW: 100 NW: 0

48H: 2026/02/04 12 UTC: 23.8 S / 54.8 E, VENT MAX= 030 KT, TROPICAL DEPRESSION

28 KT NE: 120 SE: 195 SW: 175 NW: 100

60H: 2026/02/05 00 UTC: 24.1 S / 55.3 E, VENT MAX= 025 KT, REMNANT LOW

72H: 2026/02/05 12 UTC: 24.9 S / 56.2 E, VENT MAX= 020 KT, REMNANT LOW

2.B LONGER-RANGE OUTLOOK:

NIL

2.C ADDITIONAL INFORMATION:

T=3.0+ CI=3.5

OVER THE LAST 6 HOURS, CONVECTIVE ACTIVITY HAS RESUMED WITH COOLING PEAKS IN THE SOUTHWEST QUADRANT, LEAVING A CURVED BAND PATTERN WHOSE T ANALYSIS MAY BE 3.0+ DUE TO THE IMPROVING TREND. THE LATEST GCOM-W MICROWAVE AT 1023UTC SHOWS AN IMPROVED LOW-LEVEL STRUCTURE COMPARED TO THE PREVIOUS ANALYSIS TIME. THERE IS A SLIGHT INTENSIFICATION TREND, BUT IT IS DIFFICULT TO ESTIMATE WINDS ABOVE 50KT. FYTIA THEREFORE REMAINS AT THE STAGE OF A STRONG TROPICAL STORM.

NO CHANGE IN THE SYSTEM'S TRACK, WHICH REMAINS GENERALLY SOUTHEASTWARD UNDER THE INFLUENCE OF A RIDGE OF THE MID-TROPOSPHERE TO THE NORTHEAST AND A TROUGH OF ALTITUDE PASSING TO THE SOUTH. BETWEEN TUESDAY AND WEDNESDAY, WITH THE WEAKENING OF THE SYSTEM, THE MOVEMENT COULD BECOME QUASI-STATIONARY UNDER THE EFFECT OF THE PROGRESSIVE ERASING OF THE DIRECTING FLOW IN LOW LAYERS WITHIN A BAROMETRIC NECK BETWEEN TWO SUBTROPICAL ANTICYCLONIC CELLS. BY WEDNESDAY OR EVEN THURSDAY, A SOUTHEASTWARD MOVEMENT COULD MORE OR LESS RESUME UNDER THE COMBINED EFFECTS OF A TROUGH PASSING TO THE SOUTH AND A SUBTROPICAL ANTICYCLONE TO THE EAST, A SCENARIO CURRENTLY BEING CONSIDERED BY THE RSMC. HOWEVER, UNCERTAINTY ABOUT THE TRAJECTORY REMAINS QUITE SIGNIFICANT IN THE SECOND PART OF THE WEEK AND THE SYSTEM COULD REMAIN VIRTUALLY STATIONARY TOWARDS ITS END OF LIFE.

IN TERMS OF INTENSITY, FYTIA IS STILL TEMPORARILY BENEFITING FROM RATHER FAVORABLE CONDITIONS WITH WARM WATERS, GOOD DIVERGENCE, AND STILL MODERATE SHEAR. THIS LEAVES A SHORT WINDOW UNTIL THIS EVENING FOR INTENSIFICATION. HOWEVER, FROM TUESDAY MORNING ONWARDS, ENVIRONMENTAL CONDITIONS SHOULD QUICKLY DETERIORATE WITH INCREASING DEEP SHEAR AND DRY AIR INTRUSIONS. MOST MODELS NOW AGREE ON A SIGNIFICANT WEAKENING OF THE SYSTEM BETWEEN TUESDAY AND WEDNESDAY, WHICH SHOULD EVENTUALLY BECOME A REMNANT LOW WITHOUT SUSTAINED CONVECTION AND WITHOUT ANY MORE GALES, DUE TO THE PERSISTENCE OF STRONG WESTERLY SHEAR AND A DRY ENVIRONMENT. FYTIA'S REMNANTS SHOULD THEN GRADUALLY FILL IN WITHIN A LOW-PRESSURE CORRIDOR AT THE END OF THE WEEK.

EXPECTED IMPACTS OVER INHABITED LANDS IN THE NEXT 72 HOURS :

- NO SIGNIFICANT IMPACT IS EXPECTED ON INHABITED LAND OVER THE NEXT 72 HOURS.

