



SADC-CLIMATE SERVICES CENTRE TROPICAL CYCLONE ADVISORY

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RAINFALL SEASON: 2024/25

Headline: Tropical Cyclone “ELVIS” has evolved in the Southwestern Indian Ocean basin and has made landfall over southern Madagascar by the 29th and another system Tropical Disturbance 07S (“FAIDA”) is currently developing about 1500 km away from Mauritius and is estimated to make landfall in Mauritius around 2nd and 3rd February 2025.

SUMMARY

Analysis of model outputs from the following sources: European Centre for Medium Range Weather Forecasting (ECMWF), Joint Typhoon Warning Centre (JTWC), Regional Specialized Meteorological Centre (RSMC) La Reunion, and the SADC CSC WRF-GFS show that **Tropical System 06 of 2024/25 has evolved into Tropical Cyclone “ELVIS”** recording maximum average wind speeds of 65 km/h (35 knots) as it made landfall over northern Mozambique with a minimum sea-level pressure estimated to be near 995 mb.

WARNING ZONE

The observed track shows that **Tropical Cyclone “ELVIS”** (Figure 1) has made impact over **Southern parts of Madagascar and is currently over southern parts of Madagascar as it moves southward**. Other parts of the SADC region expected to receive heavy rainfall due to other weather systems include parts of South Africa, Angola, Zambia, Malawi, Tanzania and Mozambique. Tropical disturbance 07S is expected to impact parts of Mauritius before it dissipates close to Madagascar.

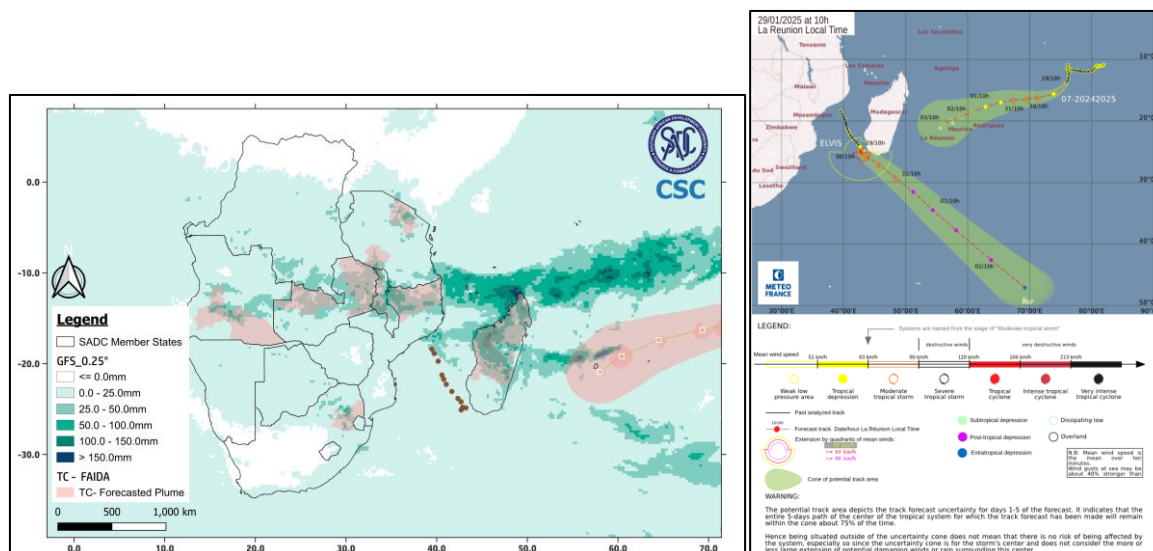


Figure 1: Heavy rainfall expected over the SADC region due to Tropical Cyclone ELVIS and Tropical Disturbance 07S and other weather systems during the period of 30 January – 03 February 2025 (Source: ECMWF, ICON, SADC-CSC WRF-GFS and JTWC (tracks)) and RSMC-La Reunion projected tropical cyclone tracks (right)

RECOMMENDED ACTION

National Meteorological and Hydrological Services are requested to closely monitor these events and update relevant institutions such as Disaster Risk Management Agencies at Member States level to support anticipatory action, preparedness and response measures to protect lives and property.

Users are strongly encouraged to consult the National Meteorological and Hydrological Services (NMHSs) in Member States for interpretation of this advisory and local warnings and alerts.

NEXT ADVICE

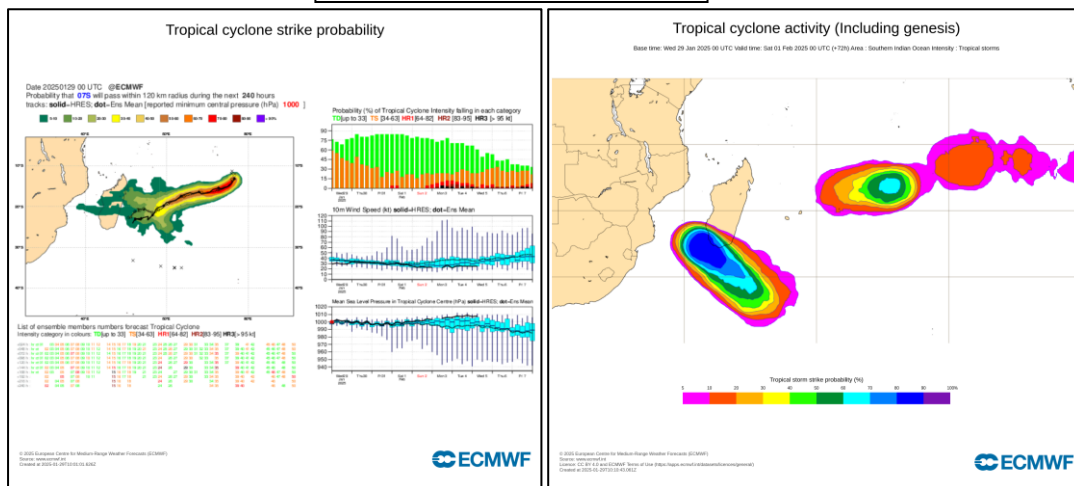
The next advisory will be issued as and when there is an evolution of tropical systems over the **Southwestern Indian Ocean basin (which extends from the equator to 40S and from the African coastlines to 90E)**, that are likely to have a direct impact on SADC Member States.

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Appendix: ECMWF tropical cyclone track and cyclogenesis

29 January 2025



[ECMWF | Charts](#)

NOTE:

This bulletin used forecast data obtained from RSMC La Reunion, JTWC, ECMWF and SADC-CSC.

Users are therefore, urged to consult the local National Meteorological and Hydrological Services (NMHSs) for local conditions and detailed interpretation of the contents of this bulletin.

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INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



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