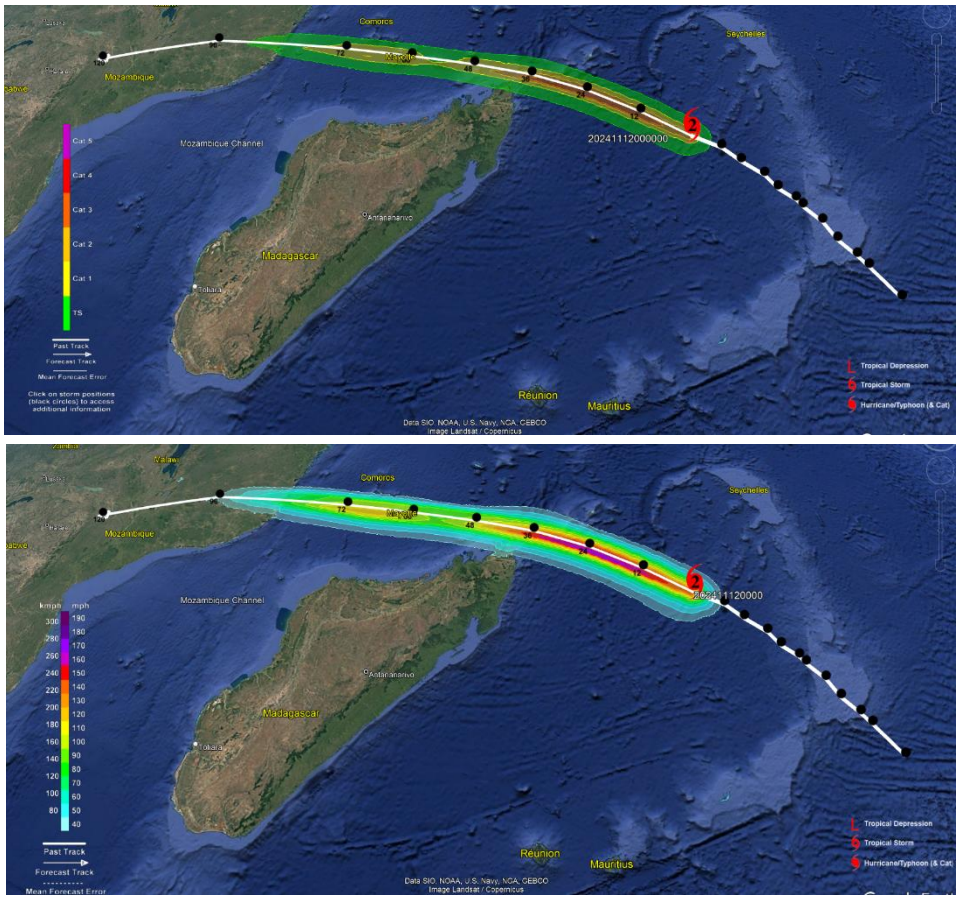
Forecast Wind and Gust Footprints

These datasets display high-resolution maps of the track and intensity of tropical storms, offering the most likely (deterministic ensemble average) forecasts of wind and gust extents up to 120 hours in advance. Utilising TSR's proprietary models, it combines maximum sustained wind data, quadrant wind radii, and storm positioning to map the most likely scenario, updated on receipt of each advisory. Based on an analysis of historic events, TSR's model has been consistently shown to provide the most accurate windfield forecasts. Whether assessing potential impacts on infrastructure, communities, or industries, this data provides users with crucial information for planning and risk mitigation.



Forecast Swaths of Cyclone Chido (12th December 2024, 00::00). ***Above*** *- storm position and intensity on La Réunion's Wind Scale is labelled. Past storm track and forecast track out to 120 hrs is displayed, indicating when damaging winds are likely to impact, and with what intensity.* ***Below*** *- Gustfields represent the extent of the most damaging 3-second peak gusts.*

- Sustained wind contours colour-coded by different category strengths as per the regional area of responsibility, and 3-second maximum gust contours colour coded from 40 mph to 190mph at 10mph intervals.
- Includes current storm position and intensity, past and forecast tracks, and lead times
- Includes surface roughness correction and topography model for accurate estimation of wind/gust speeds over land.
- Includes data from NHC, JTWC and advisories from regional agencies 3-6 hour updates.
- Data available for historical events back to January 2008.