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Poster
The Space Weather Technologies Research and Education Center (SWx TREC) at the University of Colorado, Boulder has a growing suite of tools and applications designed for the critical tasks of space weather forecasting, nowcasting, and verification.

We will provide a live demonstration of some of these data-driven tools (publicly available at https://swx-trec.com) which provide real-time information about rapidly changing space weather conditions. SWx TREC's tools combine predictions and observational data for validation and in order to foster continuous improvement.

SWx TREC leverages pioneering space weather data access methodologies to drive state-of-the art computational models and analysis tools. These agile, easy-to-use visual applications are designed to improve space weather forecasts and understanding—capabilities vital for safeguarding critical infrastructure such as satellite communication systems, GPS networks, and power grids from the adverse effects of solar and geomagnetic storms.

SWx TREC is committed to sharing its knowledge and expertise with the broader community through education and outreach initiatives. Our applications are built on platform of reusable components and we are able to respond quickly to user requests. SWx TREC hopes this growing suite of tools will contribute to space weather awareness in our increasingly interconnected and technologically reliant world.



Poster PDF
Lucas-Greg.pdf
Poster session day
Thursday, April 18, 2024
Poster location
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Meeting homepage
Space Weather Workshop 2024
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