

Nick

Perlongo

The Aerospace Corporation

Janet Green, The Aerospace Corporation

Paul O'Brien, The Aerospace Corporation

Jessica Stovall-Kurtz, The Aerospace Corporation

Poster

Near real-time monitoring, attribution, and resolution of spacecraft anomalies and failures is critical to the success of any space mission. The Detection and Reporting System (DARS) provides the capability to detect disruption of spacecraft activity by utilizing a combination of AI and physics on spacecraft telemetry. While originally developed to detect PNT, cyber, optical, and other threats to a mission, DARS is now being integrated with the Spacecraft Environmental Anomalies Expert System – Flow Charts tool (SEAES-FC). The combination of these systems will allow spacecraft operators to rapidly triage satellite anomalies regarding space environment hazards from charged particles. AI models within DARS may also be able to correlate expected space weather hazards to variability within spacecraft telemetry, providing additional space situational awareness to both the mission and the broader space enterprise.

Poster session day

Tuesday, April 28, 2026

Poster location

37

Meeting homepage

[2026 Space Weather Workshop](#)

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