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Poster
The Interstellar Mapping and Acceleration Probe (IMAP) mission includes the Active Link for Real-Time (I-ALiRT) system to measure Space Weather phenomena. IMAP I-ALiRT continually broadcasts data 24/7 from the IMAP observatory in orbit about the L1 Sun-Earth Lagrange point, facilitated by NASA’s Deep Space Network (DSN) of ground stations as well as antenna partners across the globe. The IMAP Science Operations Center (SOC) at the Laboratory for Atmospheric and Space Physics (LASP) receives I-ALiRT raw data from ground stations and implements a real-time, low-latency processing pipeline. I-ALiRT utilizes AWS cloud resources to facilitate efficient data ingest and processing. Launch for the IMAP mission was September 24, 2025. Data became public on Feb 1, 2026.
Poster session day
Thursday, April 30, 2026
Poster location
20
Meeting homepage
2026 Space Weather Workshop
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