



## 2025 Space Weather Workshop Top Level Agenda

Theme: *Guiding the Future: Integrating Heliophysics Insights and User Needs*

### Times in MDT

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#### Monday, March 17 - Pre-Workshop Events

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9:00 AM – 12:00 PM	<b>R2O2R</b> Location: Pearl St. Ballroom LEFT “Walnut” and CENTER “Mall”
10:00 AM - 12:00 PM	<b>CGMS-ISES Coordination Meeting (by invitation only)</b> Location: “Foothills” Meeting Room
11:00 AM – 12:00 PM	<b>NSF NCAR's Earth System Predictability Across Timescales (ESPAT)</b> <b>Initiative: Collaborate with us on Advancing Space Weather Predictability</b> Location: Pearl St. Ballroom RIGHT “East-West”
1:00 PM - 3:00 PM	<b>DoD Space Weather Enterprise (by invitation only)</b> Location: Pearl St. Ballroom RIGHT “East-West”
1:00 PM - 5:00 PM	<b>ISES Annual Meeting (by invitation only)</b> Location: Location: “Foothills” Meeting Room
1:00 PM - 5:00 PM	<b>NOAA Space Weather Scales</b> Location: Pearl St. Ballroom LEFT “Walnut” and CENTER “Mall”
3:00 PM - 5:00 PM	<b>Student Program (for students and invited participants)</b> Location: “Royal Arch” Meeting Room
5:30 PM - 7:30 PM	<b>Networking Session for Registered Space Weather Workshop Participants</b> Location: <a href="#">NCAR Mesa Lab</a> – Limited round-trip transportation between Embassy Suites and Mesa Lab will be provided on a first come/first serve basis.

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<b>Tuesday, March 18</b>	Location: Pearl St Ballroom
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8:30 AM – 8:45 AM	<b>Welcome and Opening Remarks</b>
8:45 AM - 9:00 AM	<b>Space Weather Events and Impacts - Year in Review</b>

<b>9:00 AM - 9:45 AM</b>	<b>Heliophysics Decadal Survey: Building on Past Accomplishments and Setting Future Priorities</b>
<b>9:45 AM – 9:55 AM</b>	<b>Special Presentation: Release of User Engagement Report on NOAA Space Weather Scales Revision</b>
<b>9:55 AM - 10:45 AM</b>	<b>Break and Poster Session: Solar and Interplanetary Research and Applications</b>
<b>10:45 AM – 11:00 AM</b>	<b>Special Presentation: Space Weather Advisory Group (SWAG) Results of the First National Survey of User Needs for Space Weather</b>
<b>11:00 AM - 12:05 PM</b>	<b>Building Resilience: Agency and Industry Approaches to Space Weather Policy Implementation</b>
<b>12:05 PM - 1:30 PM</b>	<b>Lunch</b>
<b>1:30 PM - 2:30 PM</b>	<b>Space Weather Storms and Their Impact on LEO Satellites: Protection, Preparedness, and Response</b>
<b>2:30 PM - 2:45 PM</b>	<b>Special Presentation: The Essential Roles of Space Weather Prediction in Spacecraft Design, Mission Planning, and Operational Safety</b>
<b>2:45 PM - 3:15 PM</b>	<b>Poster Lightning Talks: Solar and Interplanetary Research and Applications</b>
<b>3:15 PM - 4:00 PM</b>	<b>Break and Poster Session: Solar and Interplanetary Research and Applications</b>
<b>4:00 PM - 5:00 PM</b>	<b>Navigating the Future: Space Weather Strategies for Medium Earth Orbit (MEO), Geosynchronous Equatorial Orbit (GEO), and Beyond</b>
<b>5:00 PM - 5:15 PM</b>	<b>Special Presentation: Polarimeter to Unify the Corona and Heliosphere (PUNCH)</b>
<b>5:15 PM - 5:45 PM</b>	<b>Poster Lightning Talks: Ionosphere and Thermosphere Research and Applications and Aviation Radiation Research and Applications</b>

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**Wednesday, March 19**      Location: Pearl St Ballroom

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<b>8:15 AM - 8:30 AM</b>	<b>Today's Space Weather Forecast + Q&amp;A</b>
<b>8:30 AM - 10:00 AM</b>	<b>Beyond the Aurora: Safeguarding the Power Grid during the May 2024/Gannon Storm</b>
<b>10:00 AM – 10:15 AM</b>	<b>Special Presentation: Gauging National Preparedness for Space Weather Events – Findings from the May 2024 Tabletop Exercise</b>
<b>10:15 AM - 11:00 AM</b>	<b>Break and Poster Session: Ionosphere and Thermosphere Research and Applications and Aviation Radiation Research and Applications and Geospace/Magnetosphere Research and Application</b>
<b>11:00 AM - 12:10 PM</b>	<b>Space Weather Support for Artemis and Human Space Flight</b>
<b>12:10 PM - 1:30 PM</b>	<b>Lunch and Other Activities:</b> <b>Student Program Lunch (for students and invited participants)</b> Location: "Royal Arch" Meeting Room
<b>1:30 PM - 2:45 PM</b>	<b>Understanding and Mitigating Space Weather Impacts on Aviation</b>
<b>2:45 PM - 3:40 PM</b>	<b>Break and Poster Session: Ionosphere and Thermosphere Research and Applications and Aviation Radiation Research and Applications and Geospace/Magnetosphere Research and Application</b>
<b>3:40 PM - 4:45 PM</b>	<b>The 2024 Space Weather User Needs - Other Sectors</b>
<b>4:45 PM - 5:00 PM</b>	<b>Special Presentation: Unveiling Space Weather Mysteries through Total Solar Eclipses</b>
<b>5:00 PM - 5:30 PM</b>	<b>Poster Lightning Talks: Geospace/Magnetosphere Research and Applications and Space Weather Policy and General Space Weather Contributions</b>
<b>7:00 PM - 9:00 PM</b>	<b>Banquet and After-Dinner Presentation: Charting New Frontiers: NASA's Parker Solar Probe Reaches Historic Milestone in Solar Exploration</b>

<b>Thursday, March 20</b>	Location: Pearl St Ballroom
<b>8:30 AM - 9:45 AM</b>	<b>Observing, Modeling and Forecasting the Ionosphere: Supporting Communications and Navigation</b>
<b>9:45 AM - 10:45 AM</b>	<b>Break and Poster Session: Geospace/Magnetosphere Research and Applications and Space Weather Policy and General Space Weather Contributions</b>
<b>10:45 AM - 11:00 AM</b>	<b>Special Presentation: Advancing Space Weather Socio-economic Impact Assessments</b>
<b>11:00 AM - 12:15 PM</b>	<b>Navigating the Storm: Effective Space Weather Communication Strategies</b>
<b>12:15 PM - 1:30 PM</b>	<b>Lunch</b>
<b>1:30 PM - 2:30 PM</b>	<b>Emerging Workforce Development</b>
<b>2:30 PM - 3:30 PM</b>	<b>Break and Poster Session: Geospace/Magnetosphere Research and Applications and Space Weather Policy and General Space Weather Contributions</b>
<b>3:30 PM - 4:40 PM</b>	<b>Bridging the Gap: Overcoming Challenges in Ground-Based Observations for Space Weather Forecasting</b>
<b>4:40 PM - 5:30 PM</b>	<b>Empowering Resilience to Space Weather through Enhanced Observations</b>
<b>Friday, March 21</b>	Location: Pearl St Ballroom
<b>8:30 AM - 9:40 AM</b>	<b>Advances in Space Weather Modeling</b>
<b>9:40 AM - 10:00 AM</b>	<b>Break</b>
<b>10:00 AM - 10:15 AM</b>	<b>Special Presentation: Opening New Horizons with the Korea-led L4 Mission: March 2025 Progress Report</b>
<b>10:15 AM - 11:05 AM</b>	<b>Developing Global Resilience to Space Weather Storms</b>
<b>11:05 AM - 12:05 PM</b>	<b>Innovation and Advancement of Space Weather Products and Services</b>
<b>12:05 PM - 12:15 PM</b>	<b>Special Presentation: Exploring the Cycle-Dependent Nature of Extreme Geomagnetic Storms</b>
<b>12:15 PM - 12:25 PM</b>	<b>Closing Remarks</b>
<b>Post-Workshop Events</b>	
<b>1:00 PM - 3:00 PM</b>	<b>ISES Annual Meeting</b> Location: Location: "Royal Arch" Meeting Room