

Updated January 16, 2025



2025 Space Weather Workshop Top Level Agenda

NOTE: Agenda is in draft: times and titles are subject to change.

Times in MDT

Monday, March 17 - Pre-Workshop Events (Sessions and Times under Development)

9:00 AM – 12:00 PM	GNSS Industry Engagement Location: Pearl St. Ballroom LEFT “Walnut”
10:00 AM - 12:00 PM	DoD Space Weather Enterprise (by invitation only) Location: Pearl St. Ballroom RIGHT “East-West”
1:00 PM - 5:00 PM	NOAA Space Weather Scales Location: Pearl St. Ballroom LEFT “Walnut”
1:00 PM - 5:00 PM	R2O2R Location: Pearl St. Ballroom RIGHT “East-West”
3:00 PM - 5:00 PM	Student Program (for students and invited participants) Location: “Royal Arch” Meeting Room
5:30 PM - 7:30 PM	Networking Session for Registered Space Weather Workshop Participants Location: NCAR Mesa Lab – Limited round-trip transportation between Embassy Suites and Mesa Lab will be provided and is on a first come/first serve basis.

Tuesday, March 18

Location: Pearl St Ballroom

8:30 AM – 8:40 AM	Welcome and Opening Remarks
8:40 AM - 9:00 AM	Space Weather Events and Impacts - Year in Review
9:00 AM - 09:50 AM	Heliophysics Decadal Survey: Building on Past Accomplishments and Setting Future Priorities
9:50 AM - 10:45 AM	Break and Poster Session

10:45 AM – 11:00 AM Special Presentation: Space Weather Advisory Group (SWAG) Report
11:00 AM - 12:10 PM The 2024 Space Weather User Needs - Assessment and Direction
12:15 PM - 1:30 PM Lunch
12:15 PM - 2:00 PM SWPC Tour (for those pre-registered for the tour)
1:30 PM - 2:45 PM Space Weather Storms and Their Impact on LEO Satellites: Protection, Preparedness, and Response
2:30 PM - 2:45 PM Special Presentation: Importance of Solar Cycle Prediction During Spacecraft Design
2:45 PM - 3:45 PM Break and Poster Session
3:45 PM - 4:45 PM Navigating the Future: Space Weather Strategies for MEO, GEO, and Beyond
4:45 PM - 5:00 PM Special Presentation: Polarimeter to Unify the Corona and Heliosphere (PUNCH)
5:00 PM - 5:30 PM Poster Lightning Talks

Wednesday, March 19 Location: Pearl St Ballroom

8:15 AM - 8:30 AM Today's Space Weather Forecast + Q&A
8:30 AM - 10:00 AM Beyond the Aurora: Safeguarding the Power Grid during the May 2024/Gannon Storm
10:00 AM - 11:00 AM Break and Poster Session
11:00 AM - 12:10 PM Space Weather Support for Artemis and Human Space Flight
12:10 PM - 1:30 PM Lunch and Other Activities:
Student Program Lunch (for students and invited participants)
Location: "Royal Arch" Meeting Room
1:30 PM - 2:45 PM Understanding and Mitigating Space Weather Impacts on Aviation
2:45 PM - 3:40 PM Break and Poster Session
3:40 PM - 4:45 PM The 2024 Space Weather User Needs - Other Sectors
4:45 PM - 5:00 PM Special Presentation: APL Exercise - FEMA perspective
5:00 PM - 5:30 PM Poster Lightning Talks for Thursday Posters
7:00 PM - 9:00 PM **Banquet and After-Dinner Presentation: TBD**

Thursday, March 20 Location: Pearl St Ballroom

8:30 AM - 9:45 AM Observing, Modeling and Forecasting the Ionosphere: Supporting Communications and Navigation
9:45 AM - 10:45 AM Break and Poster Session
10:45 AM - 11:00 AM Special Presentation: Economic Assessment of 2024 Gannon Storm
11:00 AM - 12:10 PM Navigating the Storm: Effective Space Weather Communication Strategies
12:05 PM - 1:30 PM Lunch
12:15 PM - 2:00 PM SWPC Tour (for those pre-registered for the tour)
1:30 PM - 2:30 PM Workforce Development
2:30 PM - 3:30 PM Break and Poster Session
3:30 PM - 4:40 PM Bridging the Gap: Overcoming Challenges in Ground-Based Observations for Space Weather Forecasting
4:40 PM - 5:30 PM Empowering Resilience to Space Weather through Enhanced Observations

Friday, March 21 Location: Pearl St Ballroom

8:30 AM - 9:40 AM	Advances in Space Weather Modeling
9:40 AM - 10:00 AM	Break
10:00 AM - 11:00 AM	Developing Global Resilience to Space Weather Storms
11:00 AM - 11:50 AM	Innovation and Advancement of Space Weather Products and Services
11:50 AM - 12:00 PM	Special Presentation: Exploring the Cycle-Dependent Nature of Extreme Geomagnetic Storms
12:00 PM - 12:10 PM	Closing Remarks