Second Annual Space Weather R2O2R Meeting
Time: 9:00 AM – 5:00 PM MT, 27 April 2026
Location: Room TBD, Embassy Suites by Hilton Boulder
2601 Canyon Blvd, Boulder, CO 80302

Agenda

Networking (08:30 – 09:00 AM)
Opening remarks (09:00 – 10:00 AM) - Session Chair: Alyson Bergamini

- 09:00 – 09:14 AM: Welcome from NASA Space Weather Program; Overview of R2O2R Steering Committee (Jamie Favors)
- 09:14 – 09:28 AM: Introducing the Space Weather Program Office (Shawn Britton)
- 09:28 – 10:00 AM: Introducing R2O2R users
    - 09:28 – 09:36: NOAA Space Weather Prediction Center (TBD)
    - 09:36 – 09:44: DoW USSF and USAF (TBD)
    - 09:44 – 09:52: NASA Space Radiation Analysis Group (Kathryn Whitman)
    - 09:52 – 10:00: NASA Moon-to-Mars Space Weather Analysis Office (Teresa Nieves-Chinchilla)

Break (10:00-10:05 AM)
Flash talk -session 1 (10:05 - 10:55 AM) - Session Chair: Alyson Bergamini

Project Title – 10-minutes each	Presenter
Enabling an Operational Forecast Capability for Data Assimilative Models of the Neutral Thermosphere – Space Traffic Management Sector	Marcin Pilinski/Jenny Knuth (in-person)
Radiation Belt Enhancement Events: Predicting When Safe Operations Can Resume – Space Traffic Management Sector	Geoffrey Reeves (in-person)
Machine Learning-Enabled Data Assimilation for Understanding and Forecasting the Variation of Thermospheric Neutral Density – Space Traffic Management Sector	Xiaoli Bia (virtual)
Enhanced Data Products for the GOES-R Series Energetic Heavy Ion Sensor (SEISS/EHIS) - Space Traffic Management Sector	James Connell (virtual – may be in-person)
Q&A Discussion (10 minutes)	

Break (10:55-11:00 AM)
Flash talk – session 2 (11:00 AM - 11:50 AM) - Session Chair: Alyson Bergamini

Project Title – 10 minutes each	Presenter
NAIRAS Model Advancements in Nowcasting and Forecasting Aviation Radiation – Aviation Sector	Christopher Mertens (virtual)
Extending SWPC's D-RAP Algorithm: A Vertically-Resolved Model for D-Region Chemistry and HF Impacts – Aviation Sector	Christopher Jeffery (virtual)
Optimizing Neutron Monitor Data Products for Space Weather Applications – Aviation Sector	Pierre-Simon Mangeard (in-person)
Forecasting CMEs at Earth with Ensemble Simulations and Real-Time Imaging Data – Research Sector	Elena Provornikova (in-person)
Q&A Discussion (10 minutes)	

Picture time (11:50 AM – 12:00 PM): Say cheese!
Lunch break (12:00 – 01:15 PM)
Space Jeopardy (01:15 – 01:30 PM) - Session Chair: Xia Cai
Special topics (01:30 – 02:30 PM) – Session Chair: Xia Cai

- 01:30 – 02:00 PM: SWx Forecaster "Fireside Chat" (Jamie Favors)
- 02:00 – 02:30 PM: Space Weather Prediction Testbed (Hazel Bain)

Break (2:30 – 2:35 PM)

Flash talk – session 3 (02:35 – 03:15 PM) - Session Chair: Xia Cai

Presentation Title (10 minutes each)	Presenter
The Space Weather Operational Readiness Development Center (SWORD)	Tom Berger (in-person)
The Center for All-Clear Solar Energetic Particle Forecasts (CLEAR)	Lulu Zhao (in-person)
The Space Weather Research and Technology Applications Center (SPARTA)	Keith Groves
Q&A Discussion (10 minutes)	

Break (03:15 – 03:20 PM)

Special topics – Lessons in R2O2R and User Engagement (3:20 – 4:20 PM) - Session Chair: Xia Cai

Title	Presenter
NOAA NWS R2O and O2R	TBD
Lessons from Community of Practices	Helena Chapman (virtual)
Advice in End-User Engagement from the Emergency Management Sector	Lauren Childs-Gleason (virtual)
How to speak the end-user's language?	Anita Leroy (virtual)
Thoughts from a commercial end-user in aviation	Christian Wilcox (in-person)
Q&A Discussion (10 minutes)	

Break (4:20 – 4:25 PM)

Special topics on Space Weather Readiness Level (4:25 – 4:50 PM) - Session Chair: Xia Cai

- Space Weather Readiness Level Self-Evaluation with AI (Emily Berndt)

Closing remarks (4:50 – 5:00 PM) – Session Chair: Xia Cai

- 4:50 PM – 5:00 PM MT: Jim Spann