

SPACE WEATHER ROUNDTABLE FALL MEETING

December 4-5, 2025

Hybrid Meeting

Public Agenda

In Person at 500 Fifth Street, NW, Keck 209, Washington, D.C.

Online via Zoom and Livestream

THURSDAY, DECEMBER 4, 2025

EXECUTIVE SESSION

9:00 AM Executive Discussions (50 minutes) Members and Staff Only

9:50 AM Meeting Adjourns to Open Session; Break (10 minutes)

OPEN SESSION

Livestream Remote Access

CLICK HERE TO JOIN

10:00 AM Welcome and Introductions (10 minutes) Geoffrey Crowley and Janet Green
Co-Chairs

10:10 AM Briefing Update (20 minutes)

SWAG: Tammy Dickinson, President, Science Matters (10 minutes)

Discussion (10 minutes)

10:30 AM Panel: What National operational goals should the R2O program satisfy and what would the

most effective R2O pipeline look like? (120 minutes)

(15 minute presentations & 60 minute questions & discussion period)

Panelists: Review of R2O Process/Framework, Jamie Favors, Director, Space

Weather Program, NASA

SWPC's R2O Implementation Plan, Clinton Wallace, Director, Space Weather

Prediction Center (SWPC) National Weather Service, NOAA*

SWPC Interface with the R20 Pipeline, Eric Adamson, Space Scientist, SWPC

NOAA *

Commercial Service Providers Contribution to the R2O Pipeline, Kent Tobiska,

President and Chief Scientist, Space Environment Technologies (SET)

12:30 PM Working Lunch for Members, Speakers, and Staff (60 minutes)

SPACE WEATHER ROUNDTABLE MEETING Date 4-5, 2025

1:30 PM

Panel: Space Weather Testbeds: A New Opportunity for Community R2O2R (90 minutes)
Panelists: Role of the Testbed in the National Space Weather R2O Pipeline, Clinton

Wallace, NOAA* (15 minute presentation)

Successes/Obstacles of the Artemis Testbed Exercise, Hazel Bain, Research Scientist, SWPC*, NOAA (10 minute presentation)

Commercial Testbed Activities, Alec Engell, Technical Director, NextGen Federal Systems (5 minute presentation)

DoD R2O/Testbed Activities, DoD representative (TBC) (5 minute presentation)
R2O Project Interface with Testbed, Jamie Favors, NASA (5 minute presentation)

Questions and Discussion (50 minutes)

3:00 PM Break (15 minutes)

3:15 PM Panel: Space Weather Testbeds: A New Opportunity for Community R2O2R (120 minutes) (10 minute presentations & 80 minute questions & discussion period)

Panelists: Update from the Hill, Brent Blevins, Staff Director, House Science, Space and Technology Committee Space and Aeronautics Subcommittee

SWPC Product Development in Collaboration with Academia, Agencies, Users, and Commercial Groups, Tzu-Wei Fang, Space Scientist, SWPC, NOAA*

New Paradigm of Collaborating and Funding Space Activities to include the

Commercial Sector, John Paul (J.P.) Parker, Founder and CEO, Escape Velocity

Concerns Regarding Commercialization/Militarization of Space, Noe Lugaz, Research Professor, Institute for the Study of Earth, Oceans, and Space, University of New Hampshire*

5:15 PM Wrap-Up (45 minutes)

Geoffrey Crowley and Janet Green

Co-Chairs

6:00 PM Meeting Adjourns to Alternate Location

FRIDAY, DECEMBER 5, 2025

EXECUTIVE SESSION

9:00 AM Executive Discussions (20 minutes) Members and Staff Only

9:20 AM Meeting Adjourns to Open Session; Break (10 minutes)

SPACE WEATHER ROUNDTABLE MEETING Date 4-5, 2025

OPEN SESSION

Livestream Remote Access

CLICK HERE TO JOIN

9:30 AM Welcome and Introductions (5 minutes)

Janet Green and Geoffrey Crowley
Co-Chairs

9:35 AM Panel: What Future Observational Infrastructure is needed to Understand and Mitigate

Space Weather Impacts on National Priorities? (145 minutes)

Panelists: Plans and Needs for the Future Observational Infrastructure, Elsayed Talaat,

President and Chief Executive Officer, USRA (15 minutes)

Avoiding Kessler Syndrome, Will Parker, Space Scientist, The Aerospace

Corporation* (10 minutes)

Observational Requirements from the SWAG User Survey, Tammy Dickinson,

Science Matters Consulting (10 minutes)

Commercial Space Exploration Efforts (TBD) (10 minutes)

Questions and Discussion (100 minutes)

12:00 PM Break (15 minutes)

12:15 PM What are the Likely Space Weather Needs and Opportunities for the Coming Solar

Minimum?

(15 minute presentation & 30 minute discussion period)

Howard Singer, Chief Scientist, SWPC, NOAA* and Elsayed Talaat, USRA

1:00 PM Working Lunch for Members, Speakers, and Staff (30 minutes)

1:30 PM Adjourn to Executive Session

EXECUTIVE SESSION

1:30 PM Executive Discussion (30 minutes) Members and Staff Only

2:00 PM MEETING ADJOURNS

IMPORTANT NOTES

Presenters:

- Please do not include ITAR-controlled or sensitive information in your presentation.
- A National Academies Board staff member will ask you to sign a form before the meeting allowing us permission to use your likeness and presentation for our livestream video, which will be posted on our Board website after the meeting. Please get in touch with us before the meeting if you have any concerns about this usage.

Board Members and Presenters:

- Remote access will be provided through Zoom. This will allow you to participate in the meeting even if you can't be physically present.
- Please note that Zoom allows audio and any materials exchanged or viewed during the session to be recorded and shared.
- By participating in this activity, you agree to let your voice, likeness, and any materials you provide be recorded for use and dissemination. This includes any language, format, or media now known or later devised.
- You release the National Academies of Sciences, Engineering, and Medicine from any and all claims, liability, or damages arising from any such use. If you disagree, please do not join the session.

Members of the General Public:

- Remote access will be provided through a live stream on Vimeo. This will also be publicly available and posted on the Board website. You do not need to register.

Thank you all for your cooperation, and we look forward to a successful meeting.