

Tuesday, May 12, 2026

<b>Time (MDT)</b>	<b>Session/Title</b>	<b>Presenter</b>	<b>Presentation files</b>
8:30 AM - 10:00 AM	<b>Section 1 - PUNCH Mission</b>  Chairs: Rohit Chhibar and Nicholeen Viall		
8:30 AM - 8:40 AM	Introduction and Logistics		
8:40 AM	<a href="#">Approaching One Year of PUNCH Science</a>	Craig DeForest, Southwest Research Institute	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:00 AM	<a href="#">PUNCH Science: A New View on the Inner Heliosphere</a>	Sarah Gibson, NCAR/HAO	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:20 AM	<a href="#">Status of Science Operations for PUNCH</a>	J. Marcus Hughes, Southwest Research Institute	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:40 AM	<a href="#">Update on PUNCH Outreach</a>	Cherilynn Morrow, Consultant - Southwest Research Institute	<a href="#">View presentation file</a> <a href="#">View recording</a>
10:00 AM - 10:30 AM	Coffee Break		
10:30 AM - 12:00 PM	<b>Section 2 - PUNCH Polarimetry and Flows</b>  Chairs: Craig DeForest and Sarah Gibson		
10:30 AM	(Invited Talk) <a href="#">Packing a PUNCH: Wide-field polarimetry of the heliosphere</a>	Ritesh Patel, Southwest Research Institute, Boulder	<a href="#">View presentation file</a> <a href="#">View recording</a>
10:50 AM	<a href="#">The Polarization Ratio and PUNCH</a>	Curt A. de Koning, University of Colorado/Cooperative Institute for Research in Environmental Sciences	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:05 AM	<a href="#">First Interplanetary Solar Wind Flow Maps series from PUNCH data</a>	Raphael Attié, George Mason University / NASA GSFC	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:20 AM	<a href="#">Go with the Flow - Solar Wind Tracking with PUNCH</a>	Chris Lowder, SwRI	<a href="#">View presentation file</a> <a href="#">View recording</a>

Time (MDT)	Session/Title	Presenter	Presentation files
11:35 AM	Presenter Panel Discussion and Q & A		

12:00 PM - 1:00 PM Lunch

## Section 3 - Synergistic

1:00 PM - 2:30 PM **Missions**

Chairs: Mihir Desai and Cherilynn Morrow

1:00 PM	(Invited Virtual Talk) <a href="#">Detection and Dynamics of Waves and Flows in the Inner to Middle Solar Corona</a>	Dipankar Banerjee, Indian Institute of Space Science and Technology	<a href="#">View presentation file</a> <a href="#">View recording</a>
1:20 PM	<a href="#">Linking Slow Wind Intervals to Streamers and Pseudostreamers Topologies and Dynamics</a>	Arpit Kumar Shrivastav, Southwest Research Institute, Boulder	<a href="#">View presentation file</a> <a href="#">View recording</a>
1:35 PM	<a href="#">MUSE and PUNCH: a Harmonious Outreach Collaboration</a>	Rebecca Robinson, SETI Institute	<a href="#">View presentation file</a> <a href="#">View recording</a>
1:50 PM	(Virtual Talk) <a href="#">CME Tracking and Semi-automatic Reconstructions with PUNCH</a>	Eleni Nikou, NRC Research Associate, U.S. Naval Research Laboratory	<a href="#">View presentation file</a> <a href="#">View recording</a>
2:05 PM	Presenter Panel Discussion and Q & A		

## Section 4 - Poster Flash

2:30 PM - 3:30 PM **Talks**

Chairs: Curt de Koning and Sarah Gibson

Time (MDT)	Session/Title	Presenter	Presentation files
	<b>Matthew Dupertuis</b> - <a href="#">Bent flux rope of the 23 March 2024 CME revealed with multi-spacecraft in situ reconstruction using HeXCor and WSA+Gamera</a>		
	<b>Trestan Simon</b> - <a href="#">Modeling the structured solar wind with STRIA</a>		
	<b>Grace Gratton</b> - <a href="#">Characterizing the Solar Sources of Periodic Mesoscale Solar Wind Structures Responsible for Radiation Belt Particle Loss</a>		
	<b>Mateo Admire</b> - <a href="#">PUNCHing Through the Alfvén Surface: Using An Earth-Scale Imager to Detect Inbound Waves</a>		
	<b>Khagedra Katuwal</b> - <a href="#">Relation between magnetic flux imbalance in coronal holes and high-speed solar wind streams at 1 AU</a>		
	<b>Yan Yang</b> – <a href="#">Correlation anisotropy at varying scales with PUNCH</a>		
	<b>Alison Farrish</b> - <a href="#">The WSA Dashboard: Current and Future Capabilities</a>		
2:30 PM - 3:30 PM	<b>Sam Van Kooten</b> - <a href="#">PUNCH's Plumbers: Background subtraction and calibration in the PUNCH pipeline</a>		<a href="#">View Poster</a> <a href="#">Flash Talk</a> <a href="#">Recordings</a>
	<b>Gilly Gilbert</b> - <a href="#">PUNCH PULSE: A Citizen-Science Pipeline for Heliospheric Imagery</a>		
	<b>Subhamoy Chatterjee</b> - <a href="#">Representation learning on PUNCH data</a>		
	<b>Joseph Plowman</b> - <a href="#">Removing Stray Light from NFI Observations</a>		
	<b>Binal Patel</b> - <a href="#">Probing CME Evolution and Acceleration in the Inner Solar Corona with ASPIICS/Proba-3</a>		
	<b>Soumya Yadav</b> (streaming only) - <a href="#">Imaging solar wind structures associated with global auroral expansion using PUNCH</a>		
	<b>Orlando Romeo</b> (streaming only) - <a href="#">Parker Solar Probe In Situ Measurements of the August 30th, 2025 CME</a>		

Time (MDT)	Session/Title	Presenter	Presentation files
3:30 PM - 5:00 PM	Poster Session / Coffee Break		
5:30 PM - 8:30 PM	Networking Event at the <a href="#">NSF NCAR Mesa Lab</a>		

Wednesday, May 13, 2026

Time (MDT)	Session/Title	Presenter	Presentation files
8:30 AM - 10:00 AM	<b>Section 5 - PUNCH Turbulence/Alfven Surface</b>  Chairs: Raphael Attie and Steve Cranmer		
8:30 AM	<a href="#">Turbulence Investigations Across Space and Time with PUNCH</a>	William Matthaeus, University of Delaware	<a href="#">View presentation file</a> <a href="#">View recording</a>
8:45 AM	<a href="#">1/f Noise in the Heliosphere: a Target for PUNCH Science</a>	Jiaming Wang, University of Delaware	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:00 AM	(Invited Talk) <a href="#">Obtaining turbulence spectral information from remote observations</a>	Francesco Pecora, University of Delaware	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:20 AM	<a href="#">Mapping the Sun's Alfven Zone with PUNCH</a>	Rohit Chhiber, University of Delaware and NASA Goddard Space Flight Center	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:35 AM	Presenter Panel Discussion and Q & A		
10:00 AM - 10:30 AM	Coffee Break		

Time (MDT)	Session/Title	Presenter	Presentation files
10:30 AM - 12:00 PM	<b>Section 6 - Tracking/Polarization and Tomography</b>		
	Chairs: Craig DeForest and David Webb		
10:30 AM	(Invited Talk) <a href="#">Polarization and 3D Kinematic studies of CMEs from multi-mission observations: toward Metis–PUNCH synergies</a>	Yara De Leo, INAF - Astrophysical Observatory of Catania (Italy) and University of Graz (Austria)	<a href="#">View presentation file</a> <a href="#">View recording</a>
10:50 AM	<a href="#">CME in 3D with PUNCH</a>	Anna Malanushenko, HAO/UCAR	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:05 AM	<a href="#">Tomographic Reconstructions of Coronal Mass Ejections with Physics-Informed Neural Radiance Fields</a>	Robert Jarolim, High Altitude Observatory, NSF NCAR	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:20 AM	<a href="#">UCSD Time-Dependent 3-D High-Resolution Reconstructions Using PUNCH Images: What We Have Done To Date</a>	Bernard Jackson, Department of Astronomy and Astrophysics, University of California, San Diego, 9500 Gilman Drive #0424, La Jolla, CA 92093-0424, USA	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:35 AM	Presenter Panel Discussion and Q & A		
12:00 PM - 1:00 PM	Lunch		
1:00 PM - 2:30 PM	<b>Section 7 - Synergistic Modeling/Data Analysis Tools</b>		
	Chairs: Marcus Hughes and Nicholeen Viall		
1:00 PM	(Invited Talk) <a href="#">Supporting PUNCH Science with the WSA Model: Capabilities and Opportunities</a>	Samantha Wallace, Embry-Riddle Aeronautical Univ.	<a href="#">View presentation file</a> <a href="#">View recording</a>

Time (MDT)	Session/Title	Presenter	Presentation files
1:20 PM	<a href="#">Automatically Plotting and Identifying Interplanetary Coronal Mass Ejection and Stream Interaction Region in In Situ Observations</a>	Heather Elliott, Southwest Research Institute, San Antonio, TX	<a href="#">View presentation file</a> <a href="#">View recording</a>
1:35 PM	<a href="#">Next-Generation Solar Wind Modeling: Differentiable Framework and its Synergy with PUNCH</a>	Prateek Mayank, SWx TREC, University of Colorado, Boulder	<a href="#">View presentation file</a> <a href="#">View recording</a>
1:50 PM	<a href="#">Simulating Mesoscale CME Structures As Seen By PUNCH</a>	Ward Manchester, University of Michigan	<a href="#">View presentation file</a> <a href="#">View recording</a>
2:05 PM	Presenter Panel Discussion and Q & A		
2:30 PM	Poster Session / Coffee Break		
3:30 PM - 5:00 PM	<b>Section 8 - Hands-On Activity #1</b>		

Thursday, May 14, 2026

Time (MDT)	Session/Title	Presenter	Presentation files
8:30 AM	In memory of Volker Bothmer		
8:30 AM - 10:00 AM	<b>Section 9 - PUNCH Connect Part 1</b>		
	Chairs: Sarah Gibson and Craig DeForest		
8:45 AM	<a href="#">PUNCH CONNECT: Collaborative Event Analysis</a>	Barbara Thompson, NASA Goddard Space Flight Center	<a href="#">View presentation file</a> <a href="#">View recording</a>

<b>Time (MDT)</b>	<b>Session/Title</b>	<b>Presenter</b>	<b>Presentation files</b>
9:00 AM	(Invited Talk) <a href="#">Ensemble modeling of 30 August 2025 CME in the inner heliosphere and comparison with multi-spacecraft observations</a>	Elena Provornikova, JHU APL	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:20 AM	<a href="#">Leveraging an alignment of PUNCH, CODEX and Metis to reveal the outflow and acceleration of the solar wind</a>	Nicholeen Viall, NASA Goddard Space Flight Center	<a href="#">View presentation file</a> <a href="#">View recording</a>
9:35 AM	Presenter Panel Discussion and Q & A		
10:00 AM - 10:30 AM	Coffee Break		
<b>Section 10 - PUNCH Connect</b>			
10:30 AM - 12:00 PM	<b>Part 2</b>		
	Chairs: Heather Elliottt and Anna Malanushenko		
10:30 AM	(Invited Talk) <a href="#">Probing realistic CME model with the Icarus heliosphere model and PUNCH observations</a>	Tinatin Baratashvili, Centre for mathematical Plasma Astrophysics, KU Leuven	<a href="#">View presentation file</a> <a href="#">View recording</a>
10:50 AM	<a href="#">Analysis of Halo CMEs with PUNCH Observations</a>	David Webb, ISR/Boston College	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:05 AM	<a href="#">PUNCH observations of CME shocks and associated particle acceleration</a>	Mihir Desai, Southwest Research Institute, San Antonio TX	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:20 AM	<a href="#">Interaction-Driven Sheath Formation and Geoeffectiveness of Successive CMEs</a>	Shirsh Soni, University of Iowa	<a href="#">View presentation file</a> <a href="#">View recording</a>
11:35 AM	Presenter Panel Discussion and Q & A		
12:00 PM - 1:00 PM	Lunch		

Time (MDT)	Session/Title	Presenter	Presentation files
1:00 PM - 2:30 PM	<b>Section 11 - PUNCH Interaction Time</b>		
1:00 PM - 2:30 PM	PUNCH Office Hours/In Person Sandbox/Poster Session		
2:30 PM - 3:00 PM	Coffee Break		
3:00 PM - 4:30 PM	<b>Section 12 - PUNCH Rib-bone Science</b>		
	Chairs: Barbara Thompson and Michael Kirk		
3:00 PM	(Invited Talk) <a href="#">Photometry and Polarimetry of faint moving objects with PUNCH.</a>	Simon Porter, Southwest Research Institute	<a href="#">View presentation file</a> <a href="#">View recording</a>
3:20 PM	<a href="#">Searching for asteroids in PUNCH data</a>	Kevin Walsh, Southwest Research Institute	<a href="#">View presentation file</a> <a href="#">View recording</a>
3:35 PM	<a href="#">PUNCH and High-Altitude Aurora</a>	Bea Gallardo-Lacourt, NASA/CUA	<a href="#">View presentation file</a> <a href="#">View recording</a>
3:50 PM	<a href="#">QuickPUNCH Data for Space Weather Research and Operations</a>	Dan Seaton, Southwest Research Institute	<a href="#">View presentation file</a> <a href="#">View recording</a>
4:05 PM	Presenter Panel Discussion and Q & A		
4:30 PM - 5:00 PM	<b>Final Words and Wrap-up - Craig DeForest</b>		