

**CSL AGU Presentation Schedule 2025**

Presentation Date	Presenter Name	Presenter Affiliation	Presenter Group	Presentation Title	Presentation Length (CST)	Session Time (CST)	Session Number	Session Title	Presentation Type	Room Number
<b>MONDAY</b>										
Monday 12/15/2025	Shuka Schwarz	Federal	CSL6	Black carbon aerosol size in wild- and agricultural- fire smoke	11:05-11:15	10:30-12:00	A12B	Advancing Research on Atmospheric Aerosols and Their Impacts on Climate, Air Quality, and Health II	oral	NOLA Conference Center, 343
Monday 12/15/2025	Ewa Bednarz	CIRES	CSL8	How Marine Cloud Brightening could also affect stratospheric ozone	11:10-11:20	10:30-12:00	GC12A	Advances in Climate Engineering Science: Benefits, Risks, and Uncertainties I	oral	NOLA Conference Center, 203-205
Monday 12/15/2025	Audrey Gaudel	CIRES	CSL4	<i>primary convener</i>	14:15-15:45	14:15-15:45	A13E	Low-Cost Air Quality Sensors: Challenges, Opportunities, and Collaborative Strategies Across the World I	oral	NOLA Conference Center, 272-273
Monday 12/15/2025	Matt Coggon	Federal	CSL7	Correcting PTR-ToF-MS measurements of monoterpenes (m/z 137.1325) for monoterpenoid fragmentation in ambient datasets	14:15-17:45	14:15-17:45	A13L	Biosphere-Atmosphere Interactions Under Extreme Weather: From Urban Environments to Global Scales II	poster	NOLA Conference Center, Hall EFG
Monday 12/15/2025	Alan Gorchoy Negron	CIRES	CSL7	The Impact of Boreal Ecosystem Shifts in Response to Fire and Abrupt Thaw on Soil Emissions of Reactive Nitrogen, Volatile Organic Compounds, and Greenhouse Gases	14:15-17:45	14:15-17:45	B13F	The Resilience and Vulnerability of Arctic and Boreal Ecosystems to Climate Change III	poster	NOLA Conference Center, Hall EFG
<b>TUESDAY</b>										
Tuesday 12/16/2025	Ilana Pollack	CIRES	CSL7	Evaluation of a Commercial Portable Methane Analyzer in Flight Aboard a Research Aircraft and its Utility in Quantifying Airborne Eddy Covariance Methane Fluxes	14:15-17:45	14:15-17:45	GC23L	New Technologies and Frameworks to Detect and Analyze Methane Emissions from the Oil and Gas Supply Chain: Methods, Data, and Insights III	poster	NOLA Conference Center, Hall EFG
Tuesday 12/16/2025	Brian Carroll	CIRES	CSL3	Urban Air Quality Coupled to Mountain and Lake Dynamics: Salt Lake City Airborne Measurements in Summer 2024	14:15-17:45	14:15-17:45	A23H	Urban air pollution: interaction with weather/climate and impact on health	poster	NOLA Conference Center, Hall EFG
Tuesday 12/16/2025	Audrey Gaudel	CIRES	CSL4	<i>primary convener</i>	14:15-17:45	14:15-17:45	A23I	Low-Cost Air Quality Sensors: Challenges, Opportunities, and Collaborative Strategies Across the World II	poster	NOLA Conference Center, Hall EFG
Tuesday 12/16/2025	Jake Gristey	CIRES	CSL9	Stratospheric Aerosol Injection Could Also Brighten Clouds	8:30-12:00	8:30-12:00	GC21E	Advances in Climate Engineering Science: Benefits, Risks, and Uncertainties IV	poster	NOLA Conference Center, Hall EFG
Tuesday 12/16/2025	Drew Rollins	Federal	CSL6	Real-time spectroscopic determination of δ15N-NO in atmospheric samples	8:30-12:00	8:30-12:00	A21M	Isotopes of the Atmospheric Components: Laboratory Investigation, Field Observation, Modeling, and Remote Sensing II	poster	NOLA Conference Center, Hall EFG
Tuesday 12/16/2025	David Fahey	Federal	CSL	The Scientific Assessment of Ozone Depletion in Support of the Montreal Protocol on Substances that Deplete Ozone	8:40-8:50	8:30-10:00	SY21A	Climate Data and Assessments: Challenges and Opportunities for Enhanced Decision-Making I	oral	NOLA Conference Center, 346-347

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<b>WEDNESDAY</b>										
Wednesday 12/17/2025	Colin Gurganus	CIRES	CSL6	Shift in assumed Carbonyl Sulfide (OCS) Atmospheric Abundance and Implications for Stratospheric Sulfate Aerosol Forcing	14:50-15:00	14:15-15:45	A33A	Advances in Understanding Natural Aerosols and Gases in the Earth System I	oral	NOLA Conference Center, 271
Wednesday 12/17/2025	Yunqian Zhu	CIRES	CSL8	The 2022 Hunga Volcanic Eruption Climate Impacts (Invited)	15:05-15:15	14:15-15:45	GC33A	Climate Forcing: Quantifying the Roles and Responses of Natural and Anthropogenic Drivers I	oral	NOLA Conference Center, New Orleans Theater C
<b>THURSDAY</b>										
Thursday 12/18/2025	Steve Brown	Federal	CSL7	The 2024-2025 Airborne and Remote Sensing Multi-Air Pollutant Surveys (AIRMAPS) – Results from the NOAA Twin Otter Campaigns in Colorado, Utah and the Mid-Atlantic	11:15-11:30	10:30-12:30	A42A	Advances in the Integrated Global Observing System for Air Quality: Science and Societal Benefit I	oral	NOLA Conference Center, 272-273
Thursday 12/18/2025	Ewa Bednarz	CIRES	CSL8	Indirect climate impacts of the Hunga eruption	11:50-12:00	10:30-12:00	A42E	Stratospheric Dynamics, Aerosol Processes, and Interactions with the Troposphere III	oral	NOLA Conference Center, 275-277
Thursday 12/18/2025	Jake Gristey	CIRES	CSL9	<i>primary convener</i>	14:15-15:45	14:15-15:45	A43N	The Spectral Dimension of Shortwave and Longwave Radiation in the Earth System I	oral	NOLA Conference Center, 206
Thursday 12/18/2025	Audrey Gaudel	CIRES	CSL4	<i>primary convener</i>	14:15-17:45	14:15-17:45	A43S	Air Pollution and Well-Being: Bridging Surface, Space, and Modeling Studies I	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Michael Lawler	CIRES	CSL2	Estimated fluxes of spacecraft metals from measurements of stratospheric aerosol particles	14:15-17:45	14:15-17:45	A43AA	Spaceflight and Earth's Atmosphere: How the Coming Era of Larger and More Frequent Rocket Launches and Space Debris Reentries Could Affect Global Climate, Ozone, High-Altitude Clouds, and the Upper Atmosphere	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Alexandre Baron	CIRES	CSL6	Comparisons of balloon-borne, satellite and simulated aerosol properties following major stratospheric perturbations	14:15-17:45	14:15-17:45	A43BB	Stratospheric Dynamics, Aerosol Processes, and Interactions with the Troposphere IV	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Troy Thornberry	Federal	CSL6	In Situ Determination of Lower Stratospheric Emissions Ratios from a Kerosene-Fueled Rocket	14:15-17:45	14:15-17:45	A43AA	Spaceflight and Earth's Atmosphere: How the Coming Era of Larger and More Frequent Rocket Launches and Space Debris Reentries Could Affect Global Climate, Ozone, High-Altitude Clouds, and the Upper Atmosphere	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Karen Rosenlof	Federal	CSL8	Investigating the Potential Atmospheric Accumulation and Radiative Impact of the Coming Increase in Satellite Reentry Frequency	14:15-17:45	14:15-17:45	A43AA	Spaceflight and Earth's Atmosphere: How the Coming Era of Larger and More Frequent Rocket Launches and Space Debris Reentries Could Affect Global Climate, Ozone, High-Altitude Clouds, and the Upper Atmosphere	poster	NOLA Conference Center, Hall EFG

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Thursday 12/18/2025	Karen Rosenlof	Federal	CSL8	Rocket Launches and satellite reentry: The need for observational constraints given projections of a rapidly increasing number of low earth orbit satellite constellations	14:15-17:45	14:15-17:45	A43AA	Spaceflight and Earth's Atmosphere: How the Coming Era of Larger and More Frequent Rocket Launches and Space Debris Reentries Could Affect Global Climate, Ozone, High-Altitude Clouds, and the Upper Atmosphere	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Daun Jeong	CIRES	CSL6	BrO Observations in the Tropical and Subtropical UT/LS using Chemical Ionization Mass Spectrometry during the SABRE Campaign	14:15-17:45	14:15-17:45	A43Y	Atmospheric Chemistry, Composition, Peroxy Radicals, SOA, and Ozone III	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Dan Murphy	Federal	CSL2	How the Mixing State of Aerosols Can Simplify Their Properties in the Remote Troposphere	14:15-17:45	14:15-17:45	A43W	Aerosols, New Particle Formation, and Clouds I	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Georgios Gkatzelis	CIRES	CSL7	Volatile Chemical Products Amplify Urban Aerosol Pollution (Invited)	14:17-14:32	14:15-15:45	A43J	Emerging Air Pollutants: Emissions, Chemistry, and Air Quality Impacts I	oral	NOLA Conference Center, New Orleans Theater A
Thursday 12/18/2025	Carrie Womack	Federal	CSL7	Summertime Ozone Formation in Salt Lake City: Insights from the 2024 Utah Summer Ozone Study	15:02-15:12	14:15-15:45	A43J	Emerging Air Pollutants: Emissions, Chemistry, and Air Quality Impacts I	oral	NOLA Conference Center, New Orleans Theater A
Thursday 12/18/2025	Brian McDonald	CIRES	CSL4	Evaluation of Updates to the U.S. Greenhouse gas And Air Pollutants Emissions System with Airborne Field Campaign Data	16:55-17:05	16:15-17:45	A44F	New Developments in Urban Greenhouse Gas Emissions Quantification I	oral	NOLA Conference Center, 245
Thursday 12/18/2025	Jian He	CIRES	CSL4	Using a Tiered Observing System to Evaluate the Next Generation Global Air Quality Forecast System with NOAA's Newly Developed UFS-Chem Model	17:00-17:15	16:15-17:45	A44B	Advances in the Integrated Global Observing System for Air Quality: Science and Societal Benefit III	oral	NOLA Conference Center, 272-273
Thursday 12/18/2025	Greg Frost	CIRES	CSL4	<i>co-moderator</i>	18:00-19:00	18:00-19:00	TH45F	Atmospheric Composition Observations from Space	town hall	NOLA Conference Center, New Orleans Theater C
Thursday 12/18/2025	Ming Lyu	CIRES	CSL2	Small Particles in the Lower Stratosphere: Airborne Observations, Model Comparison, and Solar Climate Engineering Implications	8:30-12:00	8:30-12:00	A41I	Advances in Understanding Natural Aerosols and Gases in the Earth System II	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Kai-Lan Chang	CIRES	CSL4	Validation of JPSS CrIS and OMPS tropospheric ozone products against high frequency in-situ observations	8:30-12:00	8:30-12:00	GC41J	Low Earth Orbit (LEO) Satellite Missions and Their Contribution to Earth Science Applications II	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Tom Dror	CIRES	CSL9	Land-Atmosphere Coupling and the Organization of Boundary Layer Clouds	8:30-12:00	8:30-12:00	A41K	Boundary Layer Clouds and Earth System Coupling	poster	NOLA Conference Center, Hall EFG
Thursday 12/18/2025	Lizzy Asher	CIRES	CSL6	Insights from balloon-borne measurements of stratospheric aerosol and water vapor following volcanic and pyroculonimbus injections (2019 – 2024) (Invited)	8:30-8:40	8:30-10:00	A41G	Stratospheric Dynamics, Aerosol Processes, and Interactions with the Troposphere II	oral	NOLA Conference Center, 275-277
Thursday 12/18/2025	Tom Dror	CIRES	CSL9	Cooling Feedbacks from Amazon Deforestation: An All-Sky Biophysical Perspective	8:40-8:50	8:30-10:00	B41D	Tropical Forests Under a Changing Environment IV	oral	NOLA Conference Center, 267-268

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Thursday 12/18/2025	Gregory Schill	CIRES	CSL2	Halogen in Stratospheric Aerosol Particles	9:10-9:20	8:30-10:00	A41G	Stratospheric Dynamics, Aerosol Processes, and Interactions with the Troposphere II	oral	NOLA Conference Center, 275-277
Thursday 12/18/2025	Zachary Decker	CIRES	CSL6	Stratospheric in Situ Measurements of N2O5 Constrain and Parameterize Heterogeneous Chemistry and Its Influence on Ozone	9:30-9:40	8:30-10:00	A41G	Stratospheric Dynamics, Aerosol Processes, and Interactions with the Troposphere II	oral	NOLA Conference Center, 275-277
Thursday 12/18/2025	Joey Taylor	CIRES	CSL6	sUAS Instrumentation for Remote Sensing of Wildfire Intensity – NightFOX	9:35-9:45	8:30-10:00	A41C	Atmospheric Research Supported by Uncrewed Aerial Systems and Tethered Balloon Systems I	oral	NOLA Conference Center, 280-282
<b>FRIDAY</b>										
Friday 12/19/2025	Eshkol Eytan	CIRES	CSL9	The Hidden radiative effect of clouds in clear sky across cloud regimes	11:30-11:40	10:30-12:00	GC52E	The Flows of Energy Through the Climate System II	oral	NOLA Conference Center, New Orleans Theater C
Friday 12/19/2025	Audrey Gaudel	CIRES	CSL4	<i>primary convener</i>	8:30-10:00	8:30-10:00	A51C	Air Pollution and Well-Being: Bridging Surface, Space, and Modeling Studies II	oral	NOLA Conference Center, 270
Friday 12/19/2025	Jake Gristey	CIRES	CSL9	<i>primary convener</i>	8:30-12:00	8:30-12:00	A51Y	The Spectral Dimension of Shortwave and Longwave Radiation in the Earth System II	poster	NOLA Conference Center, Hall EFG
Friday 12/19/2025	Jake Gristey	CIRES	CSL9	Libera Earth Target Scans for Split-Shortwave Irradiance Evaluation	8:30-12:00	8:30-12:00	A51Y	The Spectral Dimension of Shortwave and Longwave Radiation in the Earth System II	poster	NOLA Conference Center, Hall EFG
Friday 12/19/2025	Isabel McCoy	CIRES	CSL9	Does it Buffer? Investigating Aerosol-Cloud-Precipitation Interactions Across the Globe (Invited)	8:30-12:00	8:30-12:00	A41K	Boundary Layer Clouds and Earth System Coupling	poster	NOLA Conference Center, Hall EFG
Friday 12/19/2025	Sean Youn	Other	CSL4	Assessing Agricultural VOC Emissions in WRF-Chem with Flight Campaign Data in California's Central Valley	9:00-9:10	8:30-10:00	A51G	The Agriculture-Atmosphere Nexus: Agriculture, Air Quality, Nitrogen Cycle, and Climate Connections II	oral	NOLA Conference Center, 272-273
Friday 12/19/2025	Chelsea Stockwell	Federal	CSL7	The emissions and oxidation of long-chain aldehydes from cooking activities in urban environments	9:45-10:00	8:30-10:00	A51A	Advances in Atmospheric Chemistry Driven by Laboratory Studies II	oral	NOLA Conference Center, 278-279
Friday 12/19/2025	Carsten Warneke	Federal	CSL7	VOCs in Major US Cities during AEROMMA 2023 (Atmospheric Emissions and Reactions Observed from Megacities to Marine Areas)	9:50-10:00	8:30-10:00	A51F	Atmospheric Chemistry, Composition, Peroxy Radicals, SOA, and Ozone V	oral	NOLA Conference Center, New Orleans Theater A