

# 2023 AGU Fall Meeting ~ San Francisco, CA

## NSF SOARS® Protégés, Alumni, and Staff Schedule

### SUNDAY, 10 DECEMBER – STUDENT AND EARLY CAREER NETWORKING EVENTS

4:00 – 6:00 PM PST

[Student & Early Career Scientist Conference Welcoming Event](#)

Nob Hill (Lower B2 Level, Marriott Marquis San Francisco)

6:30 – 8:00 PM PST

[Atmospheric Sciences Student and Early Career Mixer](#)

Salon 10-13 (Lower B2 Level, Marriott)

6:30 – 8:00 PM PST

[GPE Student and Early Career Mixer](#)

Cathedral Hill (Level 4, InterContinental San Francisco)

### MONDAY, 11 DECEMBER

8:30 – 8:40 AM PST

NSF SOARS Protégé **Holly Olivarez**, [GC11C-01How does the Pinatubo eruption influence our understanding of long-term changes in ocean biogeochemistry?](#)

2022-2024- West (Level 2, West, MC)

11:05 – 11:15 AM PST

NSF SOARS Alum **Hsiao-Chun Lin**, [A12B-05Impact of GNSS RO Data on the Prediction of Atmospheric River Events: A ROMEX Experiment](#)

3000 - West (Level 3, West, MC)

2:19 – 2:22 PM PST

NSF SOARS Protégé **Mark Irby-Gill**, [A13R-04Evaluating XGBoost as a Baseline Model to Improve Spatially Informed Precipitation Predictions](#)

eLightning Theater I, Hall D - South (Exhibition Level, South, MC)

6:00 – 9:00PM PST

Earth Science Women's Annual Networking Reception

Social 303, - 303 2<sup>nd</sup> Street

6:00 – 9:00 PM PST

[Inclusive Science for All: A Networking Reception](#)

Golden Gate Ballroom C (B2 Level, Marriott Marquis San Francisco)

6:30 – 8:00 PM PST

[Connections in Science Education and Communication: Widening the Conversation on Career Success for Student and Early Career Professionals](#)

Salon 12 (Lower B2 Level, Marriott Marquis San Francisco)

6:30 – 8:00 PM PST

[EPSP Student and Early Career Celebration](#)

Walnut (B2 Level, Marriott Marquis San Francisco)

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### TUESDAY, 12 DECEMBER

8:30 AM – 12:50 PM PST

NSF SOARS Alum **Katurah Zahler (McCants)**, [A21K-2455 Preparing for GeoXO: Evaluation of Pre-Convective Moisture Boundaries with Solar WV Absorption Bands](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

2:10 – 6:30 PM PST

NSF SOARS Alum **Gabriela Cazares**, [A23L-2531 The 17O Anomaly in O3 and its Transfer to CO2: Constraining the Temperature Dependence of the 17O-Isotopologue-Specific Kinetic Isotope Effects for O3 Formation for Biogeochemical, Paleoclimate, and Paleo-Atmospheric Applications](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

4:50 – 5:00 PM PST

NSF SOARS Alum **Katurah Zahler (McCants)**, [A24K-06 Simulations of New Water Vapor Channels for the GeoXO Imager](#)

3012 - West (Level 3, West, MC)

6:15 PM PST

**NSF SOARS Dinner/Gathering – Invitation Only**

[Mathilde French•Bistro](#)

315 5<sup>th</sup> Street, San Francisco, CA 94107

Please RSVP with Kadidia Thiero ([thiero@ucar.edu](mailto:thiero@ucar.edu))

### WEDNESDAY, 13 DECEMBER

8:30 AM – 12:50 PM PST

NSF SOARS Protégé **Michelle Abdel-Massih**, [GH31A-1032A Statistical Analysis of the Low Cost Air Quality Sensor Calibration Using Wildfire Impacted PM2.5 Data in Colorado](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

8:30 AM – 12:50 PM PST

NSF SOARS Protégé **Anastasia Tomanek**, [A31J-2517 Forecast Quality of Time-Lagged, Medium-Range, High-Resolution Ensembles Over the United States: May 2023](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

8:30 AM – 12:50 PM PST

NSF SOARS Alum **Rosa Vargas Martes**, [A31O-2596 Process-oriented Diagnostics of Pacific and African Easterly Waves in CMIP6 Models](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

8:30 AM – 12:50 PM PST

NSF SOARS Staff **Becca Hatheway**, [ED31B-0901 Bringing the public to the NCAR Research Aviation Facility using virtual tour technology](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

10:20 – 10:30 AM PST

NSF SOARS Alum **McArthur Jones, Jr.**, [SA32A-01 Incorporating non-migrating tidal temperatures into the NRLMSIS® framework](#)

207 - South (Level 2, South, MC)

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### WEDNESDAY, 13 DECEMBER

10:47 – 10:50 AM PST

NSF SOARS Alum **Colette Brown**, [C32C-10The Importance of Fine-Scale Variability in Anticipating Heterogeneous Environmental Changes in Polygon Tundra Landscapes](#)

eLightning Theater II, Hall D - South (Exhibition Level, South, MC)

### THURSDAY, 14 DECEMBER

8:30 AM – 12:50 PM PST

NSF SOARS Alum **Arianna Varuolo-Clarke**, [GC41I-1209Jet dynamics do not explain climate model simulations of muted multidecadal summer precipitation trends in southeastern South America](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

8:30 AM – 12:50 PM PST

NSF SOARS Alum **Arianna Varuolo-Clarke**, [GC41I-1212A new tree-ring  \$\delta^{18}O\$  precipitation reconstruction for the South American Altiplano \(1700-2013 CE\) highlights decadal hydroclimate teleconnections](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

2:39 – 2:42 PM PST

NSF SOARS Protégé **Holly Olivarez**, [SY43B-10How to Plan an Action](#)

2020 - West (Level 2, West, MC)

### FRIDAY, 15 DECEMBER

2:10 – 6:30 PM PST

NSF SOARS Staff Becca Hatheway, [ED53B-0562 Engaging Diverse Communities to Encourage Youth Participation in STEM: Examples through Video](#)

Poster Hall A-C - South (Exhibition Level, South, MC)

### AGU suggested itineraries:

[Atmospheric, Ocean and Land Biogeochemistry](#)

[Community Science](#)

[Diversity, Equity and Inclusion \(DEI\)](#)

[Indigenous Science](#)

[Learning](#)

[Machine Learning – Artificial Intelligence \(AI\)](#)

[Open Science – Open Data](#)

[Science Communications](#)

[Student and Early Career](#)