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)

**MONDAY, 11 DECEMBER**

8:30 – 8:40 AM PST
NSF SOARS Protégé *Holly Olivarez*, GC11C-01*How 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-05*Impact 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-04*Evaluating XGBoost as a Baseline Model to Improve Spatially Informed Precipitation Predictions*
eLightning Theater I, Hall D - South (Exhibition Level, South, MC)

6:00 – 9:00 PM PST
*Earth Science Women’s Annual Networking Reception*
Social 303, - 303 2nd 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 5th Street, San Francisco, CA 94107
Please RSVP with Kadidia Thiero (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
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 δ18O 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