

SARAH MARCUM

smarcum13@ucla.edu ◇ sarah-nova.com

Graduate Student in Geochemistry

2020-present

Department of Earth, Planetary, and Space Sciences

University of California, Los Angeles

EDUCATION

University of Missouri, Columbia

2014-2018

B.S. in Physics with Astronomy Emphasis and Honors

Minors in Mathematics and English Writing

EMPLOYMENT HISTORY

Goddard Space Flight Center: Astrochemistry Laboratory

Summer 2018/2019 - 2020

Research Assistant

Advisor: Dr. Erika Kohler

Goddard Space Flight Center: Hubble Space Telescope

Summer 2017/2019 - 2020

Science Communications Specialist

Advisor: Jim Jeletic

University of Missouri: Physics Department

2015-2019

Research Assistant

Advisor: Dr. Angela Speck

OUTREACH AND TEACHING

Goddard Space Flight Center

Summer 2017/2019 - 2020

Weekly Hubble Outreach

University of Missouri: Law's Observatory

2014-2018

Outreach Volunteer

University of Missouri: Student Success Center

2015-2018

Physics and Writing Tutor

HONORS AND AWARDS

2021: NASA Space Grant Fellowship

2021: Distinguished Teaching Assistant Award

2019-2020: Astrochemistry research and outreach funded through SEEC and CRESST II

Summer 2019: Astrochemistry research funded through NASA OSSI

Summer 2018: Astrochemistry research funded through NASA OSSI

Summer 2017: Hubble Space Telescope outreach funded through NASA OSSI

2014-2018: University of Missouri Departmental Honors in Physics

PRESENTATIONS AND PUBLICATIONS

NASA Solar System Exploration Science Directors Seminar 2020: *IN SITU Temperature-Dependent Laboratory Spectroscopy for Exoplanetary Cloud Condensates* (talk)

LPSC 2020: *IN SITU Temperature-Dependent Laboratory Spectroscopy for Exoplanetary Cloud Condensates* (talk and poster)

AGU 2019: *Temperature Dependent Spectroscopy for Exoplanet Atmosphere Condensates* (poster)

SEEC Symposium 2019: *Temperature Dependent Laboratory Spectroscopy* (talk and poster)

Goddard Intern Showcase 2019: *Laboratory Experiments for Exoplanet Studies* (talk and poster)

LPSC 2019: *Laboratory Spectroscopy for Exoplanet Studies* (poster)

LPSC 2019: *Measuring the Properties of Forsterite for Exoplanet Cloud Formation* (abstract)

Goddard Intern Showcase 2018: *Apparatus for High-Temperature, Low Pressure Spectroscopy* (poster)

Goddard Intern Showcase 2017: *Hubble's Messier Catalog* (poster)