Lori Huseby

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Education

2022–Present **University of Arizona**, Ph.D. Student, Planetary Science
Advisor: Travis Barman

2017–2022 **College of Saint Scholastica**, B.S. Chemistry, Computer Information Systems, B.A. Mathematics (Honors, Magna Cum Laude)
Minors: Data Analytics & Economics

Research Experience

Jun 2021–Aug 2022 **NASA Goddard Space Flight Center**, OSTEM Intern, Contractor
Project Title: Modeling EUV spectra grids of K-Type Stars
Mentor: Dr. Sarah Peacock

Jun –Aug 2020 **U.S Department of Agriculture**, Statistics Student Trainee
Intensive statistical analysis from crop yield surveys
Mentor: Bryan Durham

Jul–Aug 2019 **U.S Department of Energy**, Mathematical Statistician Student Trainee
Cognitive data collection & input for *International Energy Outlook 2019*
Mentor: Andrew Thomson

May–Aug 2018 **Clare Boothe Luce Research Grant**, Independent Researcher
Title: *"Game Theory: 3/2's Allocation in the 2016 Presidential Election"*
Mentor: Dr. Robert Hoffman

Publications

2023 (exp.) S. Peacock, **L. Huseby**, M. Barker, A. Taylor, A. Dunn, D. Hintz, T. Barman, E. Shkolnik, *PEGASUS: PHOENIX EUV Grid And Stellar Ultraviolet Spectra* (In Prep.)

May 2023 T. Richey-Yowell, E. Shkolnik, A. Schneider, J. Jackman, S. Peacock, **L. Huseby**, T. Barman, E. Osby, V. Meadows, *HAZMAT. IX. A Reanalysis of the UV and X-Ray Evolutions of Low-Mass Stars with Gaia*
ArXiv e-Prints, https://arxiv.org/pdf/2305.06561.pdf

Presentations

Jul 2023 **L. Huseby** *Characterizing Stellar Extreme Ultraviolet Radiation with PEGASUS & Exploring Planetary Hazes with Laboratory Studies*, Oral Hybrid Exoplanet Lecture, Jet Propulsion Laboratory, 7/31/2023

Jul 2023 **L. Huseby**, S. Peacock, T. Barman, D. Hintz, E. Shkolnik, *Characterizing & Exploring the Extreme Ultraviolet with PEGASUS*, Poster at the 2023 Sagan Summer Workshop, Caltech

Jan 2023 **L. Huseby**, S. Peacock, K. Carpenter, T. Barman, T. Richey-Yowell, E. Shkolnik, *The Great Escape! Extreme-UV Spectra Grids for K-Type Stars*, Poster at the American Astronomical Society Meeting 241, I.D 255.01

Jan 2023 S. Peacock, **L. Huseby**, M. Barker, A. Taylor, A. Dunn, D. Hintz, T. Barman, E. Shkolnik, *PEGASUS: PHOENIX EUV Grid And Stellar Ultraviolet Spectra*, Oral Talk at the American Astronomical Society Meeting 241, I.D 439.02

Grants Awarded

July 2021 John Mather Nobel Scholar Travel Award

Teaching

Jan–May 2023 Graduate Teaching Assistant, Universe and Humanity: Exploring our Place in Space, Professor Travis Barman, University of Arizona

Jan 2018–May 2022 Lab Teaching Assistant, General Organic & Biochemistry, Krysta Riel Maas, M.S., Saint Scholastica

Key Coursework

University of Arizona

PTYS 568 - Exoplanets
PTYS 517 - Atmospheres & Remote Sensing
PTYS 505A - Principles of Planetary Physics

College of Saint Scholastica

CHM 3470 - Physical Chemistry II
CHM 4999 - Independent Instrumental Analysis Lab
CIS 4108 - Project Management
MTH 4421 - Principles of Analysis
CIS 3005 - Data Storytelling
CIS3107- Database Modeling