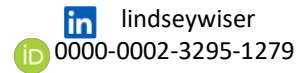


CURRICULUM VITAE – LINDSEY WISER

LINDSEY S. WISER
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EDUCATION

Arizona State University *Expected Summer 2026*
Ph.D. Astrophysics
Johns Hopkins University *Graduated May 2020*
B.S. Engineering Mechanics & Earth and Planetary Science *with Honors*

SCIENCE

2020 – Present **Arizona State University, School of Earth and Space Exploration**
Graduate Research Assistant

- Exoplanet atmosphere characterization with Dr. Michael Line.
- Space governance with Dr. Timiebi Aganaba.

2023 – Present **NASA Pandora SmallSat Mission**
Student Shadow to Deputy PI, Dr. Jessie Dotson

- Developing a telescope commissioning plan, and assorted tasks.

2023 **NASA/JPL Astro Mission Design School**
Exoplanet Objective Lead, Telecommunications Chair

- Formulated a probe-class UV mission proposal with a team of 18 early career researchers and support from JPL mission experts.

2020 **NASA HQ, Astrophysics Division**
Summer Intern

- Reviewed the Astrophysics Research and Analysis Program for how well it engages students from diverse backgrounds.

2018 – 2020 **Space Telescope Science Institute (STScI)**
Mechanical Engineering Capstone Project

- Designed a mirror for optics research on the LUVOIR telescope concept to study precision for Earth-like exoplanet observations.

Exoplanet Research Intern with the STARGATE collaboration

- Studied JWST's capabilities to characterize exoplanet atmospheres, focusing on the NIRISS instrument.

2019 **Smithsonian National Air and Space Museum**
Planetary Science Research Intern *as a Brooke Owens Fellow*

- Mapped pit chains on the surface of Enceladus

OTHER: LEADERSHIP, MENTORSHIP, & SPACE POLICY

2020 – Present **Space Generation Advisory Council – Law, Policy, & Advocacy**

- Lead, US Task Force, Advocacy and Policy Platform
- Space Generation Fusion Forum Organizing Team

2019 – Present **Brooke Owens Fellowship** – Alumni Mentor, 2019 Fellow

2020 – Present **Skype A Scientist** – Science Speaker

2020 – 2022 **Harassment Prevention and Bystander Workshop at ASU** – Facilitator

2020 **Aerospace Industries Association** – Space Policy Intern

2018 – 2020 **JHU Students for the Exploration and Development of Space** – President

2016 – 2020 **AIAA Design, Build, Fly @ JHU** – President & Technical Advisor

2018 – 2020 **Destination Imagination** – Engineering Mentor, middle school team

2018 – 2019 **Johns Hopkins University** – Mechanical Engineering Teaching Assistant

AWARDS

2023	SGAC Space Generation Leadership Award & Grant (SGLA)
2022	NSF GRFP Honorable Mention
2021	NASA/International Space Education Board Student Delegate
2021	ASU Summer Exploration Graduate Fellowship Research Award
2020	JHU Robert George Gerstmyer Award
2019	JHU Mechanical Engineering Special Achievement Award
2018	JHU Pi Tau Sigma

PUBLICATIONS

science

Submitted	Wiser, L., Line, M., Welbanks, L., et al., <i>Lessons from Hubble and Spitzer: 1D Self-Consistent Model Grids for 19 Hot Jupiter Emission Spectra</i> , ApJ.
2023	Bell, T.,... Wiser, L., <i>Methane Throughout the Atmosphere of the Warm Exoplanet WASP-80b</i> , Nature.
2023	Coulombe L.-P., ... Wiser, L., et al., <i>A broadband thermal emission spectrum of the ultra-hot Jupiter WASP-18b</i> , Nature.
2023	Martin, E.S., ..., Wiser, L., et al., <i>Measurements of regolith thicknesses on Enceladus: Uncovering the record of plum activity</i> , Icarus.
2022	Mansfield, M., Wiser, L., et al., <i>Confirmation of Water Absorption in the Thermal Emission Spectrum of Hot Jupiter WASP-77Ab with HST/WFC3</i> , AJ.
2022	Glidic, K., Schlawin, E., Wiser, L., et al., <i>Atmospheric Characterization of Hot Jupiter CoRoT-1 b Using the Wide Field Camera 3 on the Hubble Space Telescope</i> , AJ.
2021	Mansfield, M., ..., Wiser, L., et al. <i>A unique hot Jupiter spectral sequence with evidence for compositional diversity</i> . Nature Astro.

policy

Ongoing	SGAC Space Law & Policy Blog (link), and SGAC US Task Force (link)
2023	Wiser, L., et al., <i>An Overview of Space Policy Perspectives from the Young Space Generation</i> , (IAC23,E3,2,8,x77227).
2022	Wiser, L., Aganaba, T., <i>An evolving space governance system: Balancing interests in five policy debates</i> , Acta Astronautica & IAC 2021.
2022	Wiser, L., Bromley, M., Walker, S., <i>Tracing the Evolving Science and Media Impact of Space Missions</i> (IAC-22,A7,1,7,x69117)
2022	SGAC Space Law & Policy, Human Rights Subteam, <i>Earth Observation Data, Climate Change, and Human Rights</i> , Jus Ad Astra.
2021	Nasr, M., Wiser, L., et al. <i>Planetary Protection and Martian ISRU</i> (GLEX-21 10.2.6x62312)

SELECT PRESENTATIONS & WORKSHOPS

2023 (expected)	SGAC Space Generation Congress – <i>SGLA Speech</i>
2023	Oxford Visit
2021 – 2023	Space Generation Fusion Forum – <i>Organizing Team, Policy Subject Expert</i>
2020 – 2023	International Astronautical Congress (IAC)
2022, 2023	OWL at UC Santa Cruz
2022	Exoplanets IV
2022	CHAMPS Early Career Highlight Seminar
2019 – 2022	AAS Winter Meeting
2021	Emerging Researchers in Exoplanet Science (ERES)
2021	STScI, Spring Symposium