

LOGAN H JONES

Space Telescope Science Institute
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EDUCATION

University of Wisconsin-Madison

Ph.D. in Astronomy | *August 2021*

Thesis: *From Dusty to Dust-free: Panchromatic Extreme Star Formation in Intermediate- to High-Redshift Galaxies*

University of Arkansas

B.S. in Physics, summa cum laude | *May 2016*

Thesis: *Extending the SMBH Mass-Pitch Angle Relation to Moderate Redshifts*

RECENT PUBLICATIONS

- A Submillimeter Perspective on the GOODS Fields (SUPER GOODS) V. Deep 450 μm Imaging
Barger, A. J., , Cowie, L. L., Blair, A., & Jones, L. H. 2022, ApJ, 934, 56
- Subaru/HSC z-Excess Broadband Selection of Extreme Emission Line Galaxies at $z < 1$
Rosenwasser, B. E., Taylor, A. J., Barger, A. J., et al. 2022, ApJ, 928, 78
- NOEMA Redshift Measurements of the Brightest Submillimeter Galaxies in the GOODS-N
Jones, L. H., Rosenthal, M. J., Barger, A. J., & Cowie, L. L. 2021, ApJ, 916, 46
- Candidate $z \sim 2.5$ Lyman Continuum Sources in the GOODS Fields
Jones, L. H., Barger, A. J., & Cowie, L. L. 2021, ApJ, 908, 222
- $z \sim 2.5 - 3$ Ionizers in the GOODS-N Field
Jones, L. H., Barger, A. J., Cowie, L. L., et al. 2018, ApJ, 862, 142

A more complete list is available on ADS under ORCID iD 0000-0002-1706-7370.

RESEARCH AND WORK EXPERIENCE

Space Telescope Science Institute

September 2021 – Present

Postdoctoral researcher (supvr. Dr. Svea Hernandez)

Baltimore, MD

University of Wisconsin – Madison

September 2016 – August 2021

Graduate assistant (advis. Prof. Amy Barger)

Madison, WI

University of Arkansas – Fayetteville

August 2014 – May 2016

Research assistant (advis. Prof. Julia Kennefick)

Fayetteville, AR

Kitt Peak National Observatory

June 2015 – August 2015

Summer research intern (advis. Dr. David Atlee)

Tucson, AZ

University of Arkansas – Fayetteville

May 2014 – August 2014

Summer research intern (advis. Prof. Julia Kennefick)

Fayetteville, AR

RECENT PRESENTATIONS

- Finding Analogs to Reionization-era Galaxies: A Two-Pronged Approach
237th Meeting of the American Astronomical Society Oral presentation, Jan. 2021
- Candidate $z \sim 2.5$ Lyman Continuum Sources in the GOODS Fields
Galaxy Evolution with the N. G. Roman Space Telescope Virtual poster, Oct. 2020

- Ultra-Strong Emission Line Galaxies in the North Ecliptic Pole
235th Meeting of the American Astronomical Society Poster, Jan. 2020
- A Direct Search for $z \sim 3$ Candidate Lyman Continuum Emitters in the GOODS Fields
IAU Symposium 352 Poster, June 2019
- $z \sim 3$ Ionizers in the GOODS-N Field
NRAO Astrophysical Frontiers Poster, June 2018

DATA AND OBSERVING EXPERIENCE

Observing time granted (up to 2022A):

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|-------------------------------------|--------------------------|
| WIYN 3.5m (Hydra) | 15 nights (PI) |
| NOEMA | 51 / 37 hours (PI / CoI) |
| South African Large Telescope (RSS) | 9.5 hours (PI) |
| <i>Hubble</i> Space Telescope | 5 orbits (CoI) |
| Very Large Array | 10 hours (CoI) |

Proficient in Python; some experience in CASA, GILDAS, IRAF, IDL, and HTML5/CSS. Participant in the 2020 Submillimeter Array Interferometry School.

ENGAGEMENT AND TEACHING

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| UW-Madison teaching assistant for large introductory course ASTR 103, including the development of project-based group assessments | Fall 2020 |
| UW Astronomy Graduate Lectures for Undergraduates | Fall 2017, Fall 2018 |
| WI Institute for Discovery volunteer and booth coordinator | Various, 2017 – 2021 |
| Outreach Officer for U. Arkansas Society for Physics Students | 2014 – 2016 |

MENTORSHIP

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| Ariana Blair, UW-Madison undergraduate | 2017 – 2020 |
| Matt Kalscheur, UW-Madison undergraduate | 2019 – 2020 |
| Zoe Snyder, UW-Madison undergraduate | 2019 – 2020 |

AWARDS AND HONORS

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| UW-Madison Astronomy Department Whitford Award | 2020 |
| Wisconsin Space Grant Consortium Graduate Research Fellowship | 2019 |
| NSF Graduate Research Fellowship Program honorable mention | 2018 |
| UW-Madison Astronomy Department Stebbins Award | 2018 |
| Rear Admiral William C. Bryson Scholarship in Astronomy | 2016 |
| Arkansas Student Undergraduate Research Fellowship | 2015 |
| University of Arkansas Honors College Fellowship | 2012 |
| Arkansas Governor's Distinguished Scholarship | 2012 |