
BioSketch: Brock Parker

Identifying Information

Name: Brock A. Parker

Persistent Identifier (PID): 0000-0001-9307-8170

Position Title: Graduate Researcher, Steward Observatory, University of Arizona

Organization and Location

Name: University of Arizona, Steward Observatory

Location: Tucson, Arizona, USA

Professional Preparation:

- University of Arizona, Tucson, AZ
Astronomy Ph.D., 8/2023-5/2028
- University of Wyoming, Laramie, WY, USA
Astronomy and Astrophysics B.S., 8/2019-5/2023

Appointments and Positions

- University of Arizona, Tucson, AZ
Graduate Researcher 8/2023-Present
- University of Wyoming, Laramie, WY, USA
Post-Baccalaureate Researcher 5/2023-8/2023
- University of Wyoming, Laramie, WY, USA
STEP Tutor 7/2020-3/2021
- University of Wyoming, Laramie, WY, USA
Wyoming Research Scholars Program (WRSP) Researcher 3/2020-5/2023

Products

- “Extensive characterization of the noise performance of delta-doped UV enhanced skipper CCDs”. **B. Parker**, E. Hamden, S. Kaye, A. R. Khan. SPIE Presentation, 13093, August 2024. https://github.com/brockparker/Research/blob/main/CCDs/Skipper_Noise/spie_2024.pdf
- “Advancing ultraviolet detector technology for future missions: investigating the dark current plateau in silicon detectors using photon counting EMCCDs”. A. R. Khan, E. Hamden, G. Kyne, A. D. Jewell, J. Henessey, S. Nikzad, V. Picouet, O. Jones, H. Bradley, N. Kerkesser, Z. Lin, **B. Parker**, G. West, J. Ford, F. Gacon, D. Beaty, J.

Vider. Proceedings of the SPIE, 13093, August 2024. <https://www.spiedigitallibrary.org/conference-proceedings-of-spie/13093/130930O/Advancing-ultraviolet-detector-technology-for-future-missions-investigating-the/10.1117/12.3021039.short?tab=ArticleLinkCited>

- “Probing the Properties of Interstellar Dust toward the Hot Star Zeta Ophiuchi”. **B. Parker**, H. Kobulnicky. American Astronomical Society, AAS Meeting 243, 56, February 2024. <https://ui.adsabs.harvard.edu/abs/2024AAS...24336508P/abstract>

Certification

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I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Signature:



Date: February 20, 2025

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