

Natalia M. Guerrero

University of Florida Department of Astronomy

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Research Experience

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|---|---------------------|
| Graduate student researcher Department of Astronomy, University of Florida, Gainesville, FL <i>Advisor: Prof. Sarah Ballard</i> Research interests: exoplanet demographics and formation; transit-method detection of exoplanets | Aug. 2021-present |
| TESS Objects of Interest Manager and MIT-TESS Communications Lead TESS Science Office, MIT Kavli Institute for Astrophysics and Space Research, Cambridge, MA | Dec. 2017-2021 |
| Laboratory technician, TESS Flight Camera Testing MIT Kavli Institute for Astrophysics and Space Research, Cambridge, MA | Feb. 2016-Dec. 2017 |
| Graduate research assistant MIT Laboratory for Nuclear Science, Cambridge, MA | Oct. 2014-Feb. 2016 |
| Undergraduate research assistant SNOLAB, Sudbury, Ontario, Canada | Jul. 2012/Jan. 2014 |

Education

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| Pursuit of PhD in Astronomy University of Florida, Gainesville, FL, USA | 2021-present |
| Pursuit of DPhil in Physics by Research Royal Holloway University of London, Cambridge, MA, USA / Egham, Surrey, UK | 2014-2016 |
| SB Physics Massachusetts Institute of Technology, Cambridge, MA, United States <i>Awards:</i> American Physical Society Minority Scholar (2012, 2013) | 2010-2014 |

Selected Talks and Conference Presentations

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| Contributed talk: “TOIs in TESS Prime & Extended Mission” TESS Science Conference II, Cambridge, MA, Jul. 2021 |
| Invited talk: “TOI Catalog from the TESS Prime Mission+Y3” Penn State Center for Exoplanets & Habitable Worlds Virtual Seminar Series, Oct. 2020 |
| Invited talk: “Updates on the TESS Objects of Interest Catalog from the TESS Prime Mission” Kavli Institute for Theoretical Physics Exostar Redux, virtual (UCSB, California), Aug. 2020 |
| Contributed talk: “TOI Catalog from the TESS Prime Mission” Exoplanets III, virtual (Heidelberg, Germany), Jul. 2020 |
| Contributed talk: “TOI Catalog from Year 1 of the TESS Mission” 235 th American Astronomical Society Meeting, Honolulu, HI, Jan. 2020 |

Recent Engagement and Public Outreach

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| Instructor and curriculum designer Community School of the Arts “Design a Mission Concept” art-astronomy lesson, Women in the Arts, Orlando, FL | June 2021 |
| Invited speaker “Exploring new planets with TESS” Hispanic Heritage Month Keynote, MIT Lincoln Laboratory, Lexington MA | Oct. 2019 |
| Creative director “Songs from Extrasolar Spaces” multi-media concert, TESS Science Conference I, MIT, Cambridge, MA | Jul. 2019 |
| Science communicator TESS launch TV, radio, print interviews in English and Spanish, Cape Canaveral, FL | Apr. 2018 |

Publications

Guerrero N., Seager S., Huang C. X., +101 co-authors (9 June 2021), “The TESS Objects of Interest Catalog from the TESS Prime Mission,” *Astrophysical Journal Supplement Series*, [arxiv:2103.12538](#)

[See additional publications on ADS](#)