

# Patrick Colin Tamburo

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## EDUCATION

SEP 2017-PRESENT	Graduate Student in Astronomy <i>Boston University</i> Adviser: Philip Muirhead
MAY 2019	Master of Arts in Astronomy <i>Boston University</i>
MAY 2016	Bachelors of Science in Astronomy and Physics <i>University of Maryland, College Park</i> Adviser: Drake Deming

## RESEARCH APPOINTMENTS

SEP 2018-PRESENT	Research Fellow <i>Boston University</i> , Profs. Philip Muirhead & Paul Withers
SEP 2017 - SEP 2018	Dean's Fellow <i>Boston University</i> , Prof. Philip Muirhead
JUL 2016 - JUL 2017	Research Assistant <i>NASA Goddard Spaceflight Center</i> , Dr. Avi Mandell
JAN 2015 - JUL 2016	Undergraduate Student Researcher <i>University of Maryland, College Park</i> , Prof. Drake Deming
JUN 2015 - AUG 2015	Undergraduate Research Intern <i>NASA Goddard Spaceflight Center</i> , Dr. Avi Mandell

## HONORS AND AWARDS

SEP 2017 - AUG 2018	Dean's Fellowship, <i>Boston University</i>
MAY 2016	High Honors in Astronomy, <i>University of Maryland</i>
JUN 2015 - AUG 2015	Summer Scholars Research Grant, <i>University of Maryland</i>
SEP 2014 - MAY 2016	Maryland Space Grant Consortium Scholarship, <i>Maryland Space Grant</i>
SEP 2012 - MAY 2014	Dean's Scholarship, <i>University of Maryland</i>

## TEACHING APPOINTMENTS

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Teaching Assistant <i>University of Maryland</i>	ASTR340: Origins of the Universe. Spring 2016. ASTR398b: Special Topics in Astro. - Black Holes. Fall 2015. ASTR330: The Solar System. Spring 2015. ASTR310: Observational Astronomy. Fall 2014.
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## PUBLICATIONS

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### As first author, refereed

- [1] **P. Tamburo** & P. Muirhead. “Design Considerations for a Ground-Based Search for Transiting Planets around L and T Dwarfs”. *PASP*, 131, 1005, Oct 2019.
- [2] **P. Tamburo**, A. Mandell, D. Deming, & E. Garhart. “Confirming Variability in the Secondary Eclipse Depth of the Super Earth 55 Cancri E”. *AJ*, 155, 5, May 2018.

### As coauthor, refereed

- [3] P. A. Dalba & **P. Tamburo**. “*Spitzer* Detection of the Transiting Jupiter-analog Exoplanet Kepler-167e.” *ApJL*, 873, L17, Mar 2019.
- [4] K. Sheppard, A. Mandell, **P. Tamburo**, S. Gandhi, A. Pinhas, N. Madhusudhan, & D. Deming. “Evidence for a Dayside Thermal Inversion and High Metallicity for the Hot Jupiter WASP-18b”. *ApJL*, 850, L32, Nov 2017.

### As first author, conference abstracts

- [5] **P. Tamburo**, A. Mandell, D. Deming, & E. Garhart. “Confirming Variability in the Secondary Eclipse Depth of the Rocky Super-Earth 55 Cancri e”. *B.A.A.S.*, 229, 219.04, Jan 2017.

### As coauthor, conference abstracts

- [6] K. Colon, L. Kreidberg, M. R. Line, N. Madhusudhan, T. Beatty, **P. Tamburo**, K. Stevenson, A. M. Mandell, L. Welbanks, D. Angerhausen, J. Fortney, D. James, J. Johnson, E. D. Lopez, B. M. Morris, J. Pepper, J. Rodriguez, & K. G. Stassun. “An Investigation of the Atmosphere of the Extremely Inflated Exoplanet KELT-11b with HST and Spitzer”. *B.A.A.S.*, 233, 205.01, Jan 2019.
- [7] K. Sheppard, A. Mandell, **P. Tamburo**, S. Gandhi, A. Pinhas, N. Madhusudhan, & D. Deming. “Evidence for a Dayside Thermal Inversion and High Metallicity for the Hot Jupiter WASP-18b”. *B.A.A.S.*, 231, 211.03, Jan 2018.

## PRESENTATIONS

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DEC 2019	AGU Fall Meeting, San Francisco, CA - <b>Poster</b>
JAN 2019	Boston Area Exoplanet Science Meeting 5, Boston University, Boston, MA - <b>Contributed Talk</b>
DEC 2018	AGU Fall Meeting, Washington, D.C. - <b>Contributed Talk</b>
JUL 2018	Cool Stars 20, Boston University, Boston, MA - <b>Poster</b>
JUL 2018	2018 Sagan Exoplanet Summer Workshop, California Institute of Technology, Pasadena, CA - <b>Poster</b>
JUN 2018	Emerging Researchers in Exoplanet Science IV, Penn State University, State College, PA - <b>Poster</b>
JUL 2017	Enabling Transiting Exoplanet Observations with <i>JWST</i> , Space Telescope Science Institute, Baltimore, MD - <b>Poster</b>
JAN 2017	229th Meeting of the American Astronomical Society, Grapevine, TX - <b>Contributed Talk</b>
APR 2016	Undergraduate Research Day, University of Maryland, College Park, MD - <b>Poster</b>

## TELESCOPE TIME

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### As PI

DISCOVERY CHANNEL TELESCOPE, Lowell Observatory, Jul 2019, **5 nights**

The Sagitta sdM Survey (SsdMS): A Search for Transiting Exoplanets around Low-metallicity M dwarfs with DCT-LMI

PERKINS TELESCOPE, Lowell Observatory, May 2018 - Nov 2018, **15 nights**

Commissioning study for multi-year search for transiting planets around L and T dwarfs.

### As Co-I

SPITZER SPACE TELESCOPE, Cycle 14 (Dec 2018), **10 hours**

Photometric observations to search for the transit of the long-period exoplanet Kepler-167e.

## WORKSHOPS ATTENDED

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TESS Data Workshop, *Space Telescope Science Institute*, Feb 2019

Sagan Exoplanet Summer Workshop, *California Institute of Technology*, Jul 2018

Enabling Transiting Exoplanet Observations with JWST, *Space Telescope Science Institute*, Jul 2017

## MEDIA COVERAGE

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[“A step by step guide to finding planets around ultracool dwarfs”](#), *Astrobites*, Aug 2019

## PROFESSIONAL SERVICE

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NOV 2019 - PRESENT	Perkins Telescope Observatory TAC Graduate Student Reviewer
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