

# Luke G. Bouma

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## RESEARCH INTERESTS

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- Exoplanets: formation, evolution, and long-term fates.
- Stellar and galactic astrophysics, including the evolution of young stars & dissolution of their host clusters.
- Computational methods in large-scale data analysis (“big data”).

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## PROFESSIONAL APPOINTMENTS

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Observatories of the Carnegie Institution for Science <i>Carnegie Fellow. Supervisor: J. Spake</i>	Pasadena, CA 09/2024–present
California Institute of Technology <i>Heising Simons 51 Pegasi b Fellow. Supervisor: L. Hillenbrand</i>	Pasadena, CA 09/2021–09/2024

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## EDUCATION

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Princeton University <i>Ph.D, Astrophysics. Thesis: “Origins and Fates of Close-In Giant Planets”</i> <i>M.A, Astrophysics. Advisor: J. Winn</i>	Princeton, NJ 09/2018–08/2021 09/2016–08/2018
Massachusetts Institute of Technology <i>Physics Ph.D. program (transferred after completing first year). Advisor: J. Winn</i>	Cambridge, MA 09/2015–08/2016
University of Southern California <i>B.Sc, Physics; B.A, Mathematics; Minor, Astronomy</i>	Los Angeles, CA 09/2011–05/2015

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## PUBLICATION SUMMARY

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*Refereed publications:* 80 (13 first author; 2 second author; 39 many author; 26 TESS collaboration).

*Non-refereed publications:* 2 (1 white paper; 1 research note).

*Citations:* 542 first & second author; 2130 many author; 7935 code. *h-index:* 30.

My first & second author publications are [listed here](#); a full publication list is [available here](#).

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## DISTINCTIONS

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- 2024–26 Carnegie Fellowship *Postdoctoral fellowship in astrophysics.*
- 2021–24 Heising-Simons 51 Pegasi b Fellowship *Postdoctoral fellowship in planetary astronomy.*
- 2020–21 Charlotte Elizabeth Procter Fellowship *Honorific fellowship for final-year Ph.D. students.*
- 05/2015 USC Discovery Scholar *University fellowship based on research portfolio.*
- 04/2014 Goldwater Scholarship *National fellowship for undergraduates pursuing careers in STEM.*
- 2011–15 USC Trustee and University Scholarships *Full tuition award and merit stipend.*

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## GRANTS (The † symbol denotes active or accepted pending awards)

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† 05/2025 Co-I: NASA TESS Cycle 7 GI Program G07140. (PI: A. Boyle)  
*The TESS Sco-Cen Legacy Survey.*

12/2023 PI: NASA TESS Cycle 6 GI Program G06030.  
*A Census Of Complex Periodic Variables.*

† 02/2023 Collaborator: NASA Astrophysics Data Analysis Program (PI: K. Pardo).  
*Detecting Gravitational Waves from Supermassive Black Holes with Kepler.*

12/2021 PI: NASA TESS Cycle 4 GI Program G04032.

*Difference Imaging of Stars in Clusters.*

06/2020 Science PI: NASA TESS Cycle 3 GI Program G03064 (Admin. PI: J. Hartman).

*Cluster Difference Imaging Photometric Survey.*

07/2019 Science PI: NASA TESS Cycle 2 GI Program G022117 (Admin. PI: J. Hartman).

*Cluster Difference Imaging Photometric Survey.*

07/2018 Science PI: NASA TESS Cycle 1 GI Program G011103 (Admin. PI: J. Hartman).

*Difference Imaging of Star Clusters at Low Galactic Latitude.*

## ADVISING

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### POST-BACCALAUREATE STUDENT

**Andrew Boyle** (Caltech): May 2022-May 2023. Grad school, astrophysics, UNC Chapel Hill (NSF GRFP).

### UNDERGRADUATE STUDENTS

**Elin Stenmark** (Caltech 1<sup>st</sup>-2<sup>nd</sup> year): July 2023-Sept 2024. Currently at Caltech.

**Elsa Palumbo** (Caltech 3<sup>rd</sup>-4<sup>th</sup> year): Jan 2022-May 2023. Grad school, statistics, Carnegie Mellon.

### HIGH SCHOOL STUDENTS

**Thaddaeus Kiker** (Sunny Hills High School, 11<sup>th</sup> grade): Jan 2022-Sep 2022. Undergrad, physics, Columbia.

**Veronica Diaz** (Sunny Hills High School, 11<sup>th</sup> grade): Jan 2022-Sep 2022. Undergrad, CS, Carnegie Mellon.

## SERVICE & PUBLIC ENGAGEMENT

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- *Prison Education Project*: Jan 2022 – present. Designed and facilitated academic workshops in prisons. Topics have included career development, astronomy, and planetary science. 10-20 students attended each workshop per two-month term. Prisons have been in California (Spring 2022, Summer 2024, Fall 2024, Spring 2025), Scotland (Summer 2022), and Hawai'i (Fall 2022, Spring 2023, Fall 2023, Spring 2024). My current focus is on an Introduction to Astronomy workshop in Kern County, CA.
- *Skype a Scientist*: Oct 2020 – Spring 2022. Gave 15 remote public talks in K-12 classrooms.
- *Resident Graduate Student*: Sept 2018 – May 2021. Resident advisor to 30 undergraduate students per year. Encouraged a supportive residential environment; hosted star-gazing nights, office hours, and social events; during COVID, focused on academic support and one-on-one advising.
- *Observing Outreach Organizer*: Sept 2016 – Sept 2019. Organized over 30 public observing events at Princeton's department telescope. Led outreach team to host groups ranging from 10 to 100 people; also hosted private groups (e.g., middle and high-school classes; student clubs; university staff).
- *Princeton LGBT Center Discussion Group Co-Organizer*: Sept 2018 – May 2019. Hosted a discussion group for students to speak about identity, orientation, relationships, and community.

## PROFESSIONAL ACTIVITIES

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Member, [TESS Users Committee](#) (2023-present).

Reviewer for NASA Keck Time Allocation Committee (2024-2025).

Active reviewer for NASA and NSF panels (4 panels; 2021-present).

Active referee for AJ, ApJ, ApJL, OJAp, Nature Astronomy, A&A, MNRAS, PASP (18 articles; 2019-present).

Co-organizer for Caltech Tea Talk seminars (2023-2024).

Organizer of Caltech Star Formation and Young Stars reading group (2022-2024).

Reviewer for Caltech Optical Observatories Time Allocation Committee (2022).

Chair, [Emerging Researchers in Exoplanet Science \(ERES\) 2021](#).

Member, American Astronomical Society (AAS). (2018-present)

Member, Division for Planetary Sciences of the AAS. (2020-present)

Member, TESS Follow-up Observing Program (TFOP; 2018-present).

Organizer, TESS Extended Mission Working Group (2015-2018).

## PUBLICATION LIST [[LINK TO ADS LIBRARY](#)]

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### First & second author

The † symbol highlights students for whom I served as the primary research mentor.

15. Bouma, L., Hillenbrand, L., et al. *Ages of Stars and Planets in the Kepler Field Younger Than Four Billion Years*. [AJ](#), **976**, 234 (2024).
14. Bouma, L., Jayaraman, R., et al. *Transient Corotating Clumps Around Adolescent Low-Mass Stars From Four Years of TESS*. [AJ](#), **167**, 38 (2024).
13. †Boyle, A. and Bouma, L. *When Does Gyrochronology Start to Work? – Stellar Rotation and Structure of the  $\alpha$  Persei Complex*. [AJ](#), **166**, 14 (2023).
12. Bouma, L., †Palumbo, E. and Hillenbrand, L. *The Empirical Limits of Gyrochronology*. [ApJL](#), **947**, 3 (2023).
11. Bouma, L., Kerr, R., et al. *Kepler and the Behemoth: Three Mini-Neptunes in a 40 Million Year Old Association*. [AJ](#), **164**, 215 (2022).
10. Bouma, L., Curtis, J., et al. *A 38 Million Year Old Neptune-Sized Planet in the Kepler Field*. [AJ](#), **163**, 121 (2022)
9. Bouma, L., Curtis, J., et al. *Rotation and Lithium Confirmation of a 500 Parsec Halo for the Open Cluster NGC 2516*. [AJ](#), **162**, 197 (2021).
8. Bouma, L., Hartman, J., et al. *Cluster Difference Imaging Photometric Survey. II. TOI 837: A Young Validated Planet in IC 2602*. [AJ](#), **160**, 239 (2020).
7. Bouma, L., Winn, J., et al. *PTFO 8-8695: Two Stars, Two Signals, No Planet*. [AJ](#), **160**, 86 (2020).
6. Bouma, L., Winn, J., et al. *WASP-4 is Accelerating Toward the Earth*. [ApJL](#), **893**, 2 (2020).
5. Bouma, L., Hartman, J., et al. *Cluster Difference Imaging Photometric Survey. I. Light Curves of Stars in Open Clusters from TESS Sectors 6 & 7*. [ApJS](#), **245**, 13 (2019).
4. Bouma, L., Winn, J., et al. *WASP-4b Arrived Early for the TESS Mission*. [AJ](#), **157**, 217 (2019).
3. Bouma, L., Masuda, K., and Winn, J. *Biases in Planet Occurrence Caused by Unresolved Binaries in Transit Surveys*. [AJ](#), **155**, 244 (2018).
2. Penev, K., Bouma, L., et al. *Empirical Tidal Dissipation in Exoplanet Hosts From Tidal Spin-Up*. [AJ](#), **155**, 165 (2018).
1. Bouma, L., Winn, J., et al. *Planet-Detection Simulations for Several Possible TESS Extended Missions*. [arXiv:1705.08891](#) (2017). Non-refereed white paper.

### Many author

For each of these articles, I contributed key methods, data, code, and/or co-authored significant portions of the text.

39. Vach, S. et al., incl. Bouma, L. *A 16 Myr super-Neptune in Upper-Centaurus Lupus and a preliminary survey of transiting planets in Sco-Cen with TESS*. [arXiv:2502.00576](#), AJ under review (2025).
38. Soares-Furtado, M. et al., incl. Bouma, L. *The TEMPO Survey II: Science Cases Leveraged from a Proposed 30-Day Time Domain Survey of the Orion Nebula with the Nancy Grace Roman Space Telescope*. [arXiv:2406.01492](#), OJAp under review (2025).

37. Vach, S., et al., incl. Bouma, L. *A transiting multi-planet system in the 61 million year old association Theia 116*. [arXiv:2407.19680](#), MNRAS under review (2025).
36. Howard, A. et al., incl. Bouma, L. *Planet Masses, Radii, and Orbits from NASA's K2 Mission*. ApJS in press, [arXiv:2502.04436](#) (2025).
35. Hartman, J. Bakos, G., Bouma, L. and Csubry, Z. *The T16 Project: Image Subtraction Light Curves from TESS Cycle 1 Full-Frame Images For Stars With  $T < 16$* . *PASP*, **137**, 4501 (2025).
34. Kerr, R. et al., incl. Bouma, L. *SPYGLASS. V. Spatially and Temporally Structured Star-Forming Environments in the Cepheus-Hercules Complex*. ApJ in press, *ApJ*, **975**, 99 (2024).
33. Dai, F. et al., incl. Bouma, L. *The Prevalence of Resonance Among Young, Close-in Planets*. AJ in press, [arXiv:2406.06885](#) (2024).
32. Sha, L., Vanderburg, A., Bouma, L., and Huang, C. *Confirming the Tidal Tails of the Young Open Cluster Blanco 1 with TESS Rotation Periods*. ApJ in press. *ApJ*, **977**, 103 (2024).
31. Kiker, T.<sup>†</sup>, Diaz, V.<sup>†</sup>, Bouma, L., et al., *HD 34382: A Photometrically Identified Candidate Centrifugal Magnetosphere Star*. *RNAAS*, **8**, 238 (2024).
30. Vach, S. et al., incl. Bouma, L. *The occurrence of small, short-period planets younger than 200 Myr with TESS*. *AJ*, **167**, 210 (2024).
29. Hartman, J. et al., incl. Bouma, L. *TOI 4201 b and TOI 5344 b: Discovery of Two Transiting Giant Planets Around M Dwarf Stars and Revised Parameters for Three Others*. *AJ*, **166**, 163 (2023).
28. Dai, F. et al., incl. Bouma, L. *A Mini-Neptune Orbiting the Metal-poor K Dwarf BD+29 2654*. *AJ*, **166**, 49 (2023).
27. Blunt, S. et al., incl. Bouma, L. *Overfitting Affects the Reliability of Radial Velocity Mass Estimates of the V1298 Tau Planets*. *AJ*, **166**, 62 (2023).
26. Wood, M. et al., incl. Bouma, L. *TESS Hunt for Young and Maturing Exoplanets (THYME) VII: a 27 Myr extended population of Lower-Centaurus Crux with a transiting two-planet system*. *AJ*, **165**, 85 (2023).
25. Yee, S. et al., incl. Bouma, L. *The TESS Grand Unified Hot Jupiter Survey. II. Twenty Hot Jupiters*. *ApJS*, **265**, 1 (2023).
24. Heitzmann, A. et al., incl. Bouma, L. *TOI-4562 b: A highly eccentric temperate Jupiter analog orbiting a young field star*. *AJ*, **165**, 121 (2023).
23. Dai, F. et al., incl. Bouma, L. *TOI-1136 is a Young, Coplanar, Aligned Planetary System in a Pristine Resonant Chain*. *AJ*, **165**, 33 (2023).
22. Hua, X. et al., incl. Bouma, L. *A Transiting Super-Earth in the Radius Valley and an Outer Planet Candidate Around HD 307842*. *AJ* **166**, 32 (2023).
21. Stassun, K. et al., incl. Bouma, L. *A Low-Mass Pre-Main-Sequence Eclipsing Binary in Lower Centaurus Crux Discovered with TESS*. *AJ*, **941**, 125 (2022).
20. Kounkel, M. et al., incl. Bouma, L. *Untangling the Galaxy. IV. Empirical Constraints on Angular Momentum Evolution and Gyrochronology for Young Stars in the Field*. *AJ*, **164**, 137 (2022).
19. Palumbo, E. et al., incl. Bouma, L. *Evidence for Centrifugal Breakout around the Young M Dwarf TIC 234284556*. *ApJ*, **925**, 75 (2022).
18. Zhou, G. et al., incl. Bouma, L. *A Mini-Neptune from TESS and CHEOPS Around the 120 Myr Old AB Dor member HIP 94235*. *AJ*, **163**, 289 (2022).
17. Günther, M. et al., incl. Bouma, L. *Complex Modulation of Rapidly Rotating Young M Dwarfs: Adding Pieces to the Puzzle*. *AJ*, **163**, 144 (2022).

16. Heitzmann, A. et al., incl. Bouma, L. *The obliquity of HIP 67522 b: a 17 Myr old transiting hot Jupiter-sized planet.* [ApJL, 922, 1](#) (2021).
15. Fausnaugh, M. et al., incl. Bouma, L. *The TESS Mission Target Selection Procedure.* [PASP. 133, 1027](#) (2021).
14. Grieves, N. et al., incl. Bouma, L. *Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit.* [A&A, 652, 127](#) (2021)
13. Wirth, C. et al., incl. Bouma, L. *TOI-942b: A Prograde Neptune in a ~60 Myr old Multi-transiting System.* [ApJL, 917, 34](#) (2021).
12. Stassun, K. et al., incl. Bouma, L. *Discovery and Characterization of a Rare Magnetic Hybrid  $\beta$  Cephei Slowly Pulsating B-type Star in an Eclipsing Binary in the Young Open Cluster NGC 6193* [AJ, 910, 133](#) (2021).
11. Tofflemire, B. et al., incl. Bouma, L. *TESS Hunt for Young and Maturing Exoplanets (THYME) V: A Sub-Neptune Transiting a Young Field Star.* [AJ, 161, 171](#) (2021).
10. Zhou, G. et al., incl. Bouma, L. *Two young planetary systems around field stars with ages between 10–170 Myr from TESS.* [AJ, 161, 2](#) (2021).
9. Patra, K. et al., incl. Bouma, L. *The Continuing Search For Evidence of Tidal Orbital Decay For Hot Jupiters.* [AJ, 159, 150](#) (2020).
8. Soares-Furtado, M. et al., incl. Bouma, L. *A Catalog of Periodic Variables in Open Clusters M 35 and NGC 2158.* [ApJS, 246, 15](#) (2020).
7. Rodríguez Martínez, R. et al., incl. Bouma, L. *KELT-25b and KELT-26b: A Hot Jupiter and a Substellar Companion Transiting Young A-Stars Observed by TESS.* [ApJS, 246, 15](#) (2020).
6. Newton, E. et al., incl. Bouma, L. *TESS Hunt for Young and Maturing Exoplanets (THYME): A Planet in the 45 Myr Tucana-Horologium Association.* [ApJL, 880, 1, L17](#) (2019).
5. Zhan, Z. et al., incl. Bouma, L. *Complex Rotational Modulation of Rapidly Rotating M Stars Observed with TESS.* [ApJ, 876, 127](#) (2019).
4. Rappaport, S. et al., incl. Bouma, L. *Deep long asymmetric occultation in EPIC 204376071.* [MNRAS, 485, 2681](#) (2019).
3. Burt, J. et al., incl. Bouma, L. *Simulating the M-R Relation From APF Followup of TESS Targets: Survey Design and Strategies for Overcoming Mass Biases.* [AJ, 156, 255](#) (2018).
2. Louie, D. et al., incl. Bouma, L. *Simulated JWST/NIRISS Transit Spectroscopy of Anticipated TESS Planets Compared to Select Discoveries from Space-Based and Ground-Based Surveys.* [PASP 130d 4401](#) (2018).
1. Campante, T. et al., incl. Bouma, L. *The asteroseismic potential of TESS: Exoplanet-Host Stars.* [ApJ, 830, 2](#) (2016).

### **TESS Collaboration**

These are papers for which my authorship results from my contributions to mission planning and internal data analysis in the TESS collaboration. In all such instances, I provided substantive feedback on the manuscripts.

26. Zingales, T. et al., incl. Bouma, L. *A joint effort to discover and characterize two resonant mini Neptunes around TOI-1803 with TESS, HARPS-N and CHEOPS.* *A&A*, in press. [arXiv:2412.05423](#) (2024).
25. Thao, P. et al., incl. Bouma, L. *TESS Hunt for Young and Maturing Exoplanets (THYME) X: a two-planet system in the 210 Myr MELANGE-5 Association.* [AJ, 168, 41](#) (2024).
24. Capistrant, B. et al., incl. Bouma, L. *TESS Hunt for Young and Maturing Exoplanets. XI. An Earth-sized Planet Orbiting a Nearby, Solar-like Host in the 400 Myr Ursa Major Moving Group.* [AJ, 167, 54](#) (2024).
23. Fairington, T. et al., incl. Bouma, L. *TOI-5126: a hot super-Neptune and warm Neptune pair discovered by TESS and CHEOPS.* [MNRAS, 527, 3](#) (2024).

22. Naponiello, L. et al., incl. Bouma, L. *A super-massive Neptune-sized planet*. [Nature](#), **622**, 255 (2023).
21. Osborn, A. et al., incl. Bouma, L. *TOI-332 b: a super dense Neptune found deep within the Neptunian desert*. [MNRAS](#), **526**, 548 (2023).
20. Sha, L. et al., incl. Bouma, L. *TESS Spots a Mini-Neptune Interior to a Hot Saturn in the TOI-2000 System*. [MNRAS](#), **524**, 1113 (2023).
19. Bozhilov, V. et al., incl. Bouma, L. *A 2:1 Mean-Motion Resonance Super-Jovian pair revealed by TESS, FEROS, and HARPS*. [ApJL](#), **946**, 36 (2023).
18. El Mufti, M. et al., incl. Bouma, L. *TOI-560: Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS and HIRES RVs*. [AJ](#), **165**, 10 (2023).
17. Cadieux, C. et al., incl. Bouma, L. *TOI-1452 b: SPIRou and TESS reveal a temperate super-Earth around a nearby M4 dwarf*. [AJ](#), **164**, 96 (2022).
16. Hord, B. et al., incl. Bouma, L. *The Discovery of a Planetary Companion Interior to Hot Jupiter WASP-132b*. [AJ](#), **164**, 13 (2022).
15. Wittenmyer, R. et al., incl. Bouma, L. *TOI-1842b: A Transiting Warm Saturn Undergoing Reinflation around an Evolving Subgiant*, [AJ](#), **163**, 82 (2022).
14. Cabot, S. H. C. et al., incl. Bouma, L. *TOI-1518b: A Misaligned Ultra-hot Jupiter with Iron in Its Atmosphere*. [AJ](#), **162**, 218 (2021).
13. Addison, B. C. et al., incl. Bouma, L. *TOI-1431b/MASCARA-5b: A Highly Irradiated Ultra-Hot Jupiter Orbiting One of the Hottest & Brightest Known Exoplanet Host Stars*. [AJ](#), **162**, 292 (2021).
12. Hedges, C. et al., incl. Bouma, L. *TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up*. [AJ](#), **162**, 54 (2021).
11. Guerrero, N. et al., incl. Bouma, L. *The TESS Objects of Interest Catalog from the TESS Prime Mission*. [ApJS](#), **254**, 39 (2021).
10. Dawson, B. et al., incl. Bouma, L. *Precise transit and radial-velocity characterization of a resonant pair: a warm Jupiter TOI-216c and eccentric warm Neptune TOI-216b*. [AJ](#), **161**, 161 (2021).
9. Daylan, T. et al., incl. Bouma, L. *TESS discovery of a super-Earth and three sub-Neptunes hosted by the bright, Sun-like star HD 108236*. [AJ](#), **161**, 85 (2021).
8. Fridlund, M. et al., incl. Bouma, L. *The TOI-763 system: sub-Neptunes orbiting a Sun-like star*. [MNRAS](#), **498**, 3 (2020).
7. Rowden, P., et al., incl. Bouma, L. *TIC 278956474: Two Close Binaries in One Young Quadruple System Identified by TESS*. [AJ](#), **160**, 2 (2020).
6. Jordán, A. et al., incl. Bouma, L. *TOI-677 b: A Warm Jupiter ( $P=11.2d$ ) on an eccentric orbit transiting a late F-type star*. [AJ](#), **159**, 145 (2020).
5. Quinn, S. et al., incl. Bouma, L. *Near-resonance in a system of sub-Neptunes from TESS*. [AJ](#), **158**, 177 (2019).
4. Günther, M. et al., incl. Bouma, L. *A Super-Earth and two sub-Neptunes transiting the bright, nearby, and quiet M-dwarf TOI-270*. [Nature Astronomy](#), **3**, 1099 (2019).
3. Dawson, B. et al., incl. Bouma, L. *TOI-216b and TOI-216c: Two warm, large exoplanets in or slightly wide of the 2:1 orbital resonance*. [AJ](#), **158**, 65 (2019).
2. Shporer, A. et al., incl. Bouma, L. *TESS Full Orbital Phase Curve of WASP-18b*. [AJ](#), **157**, 178 (2019).
1. Rodriguez, J. et al., incl. Bouma, L. *An Eccentric Massive Jupiter Orbiting a Sub-Giant on a 9.5 Day Period Discovered in the TESS Full Frame Images*. [AJ](#), **157**, 191 (2019).

## Software

4. Foreman-Mackey, D., et al., incl. Bouma, L. *exoplanet: Gradient-based probabilistic inference for exoplanet data & other astronomical time series*. [JOSS, 6, 62, 3285](#) (2021).
3. Bhatti, W. Bouma, L., and Yee S. *cdips-pipeline: difference-imaging photometry pipeline*. [Link](#).
2. Bhatti, W. Bouma, L., and Wallace J. *astrobase: package for variable star astronomy*. [Link](#).
1. Astropy Collaboration et al., incl. Bouma, L. *The Astropy Project*. [AJ, 156, 123](#) (2018).

## RECENT SEMINARS & COLLOQUIA

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The † symbol denotes invited seminars, talks, or colloquia.

- †UMD Astronomy Colloquium, March 2025
- †Penn State Astronomy Research Talk, February 2025
- †Yale Astronomy Exoplanet Symposium, February 2025
- †USC Physics & Astronomy Colloquium, February 2024
- †OSU Astronomy Colloquium, February 2024
- †Michigan State University Astrophysics Research Seminar, February 2024
- †Caltech/IPAC Seminar, January 2024
- †UH Manoa Institute for Astronomy Colloquium, January 2024
- †MIT TESS Science Talks Seminar, January 2024
- Caltech Tea Talk Seminar, November 2023
- University of Geneva Exoplanets Seminar, March 2023
- †Yale Exoplanets/Stars Seminar, February 2023
- †Earth 2.0 Mission Science Seminar Series, October 2022
- University of Michigan Star and Planet Formation Seminar, September 2022
- †MIT TESS Science Talks Seminar, March 2022
- †Penn State Center for Exoplanets and Habitable Worlds, April 2021

## RECENT CONFERENCE TALKS & POSTERS

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- Know Thy Star, Know Thy Planets 2 (Talk, [video](#)), Caltech/IPAC, Pasadena, CA, February 2025.
- Keck Science Meeting 2024 (Talk, [video](#)), Caltech, Pasadena, CA, September 2024.
- TESS Science Conference 3 (Talk, [video](#)), MIT, Cambridge, MA, July 2024.
- Cool Stars 22 (Talk, [video](#)), UC San Diego, San Diego, CA, June 2024.
- †Astronomy on Tap (Public Talk), Pasadena, CA, November 2023.
- TASC7 (Talk, [video](#)), UH Manoa, Oahu, HI, July 2023.
- †SPIDI23 (Review), IESC, Cargèse, Corsica, France, May 2023.
- ESA ESTEC Planet-ESLAB-2023 Symposium (Talk), Noordwijk, Netherlands, March 2023.

- Flatiron Institute / CCA Thursday Lunch Talk, New York, NY, February 2023.
- 51 Pegasi Summit (Talk & Fun-Talk), San Francisco, CA, August 2022.
- ERES-VII (Poster), State College, PA, July 2022.
- AAS Meeting #240 (Talk), Pasadena, CA, June 2022.
- Exoplanets IV (Talk), Las Vegas, NV, May 2022.
- JHU-APL Exoplanet Early Career Highlight Seminar (Talk), Online, January 2022.
- TESS Science Conference II (Talk), Online, August 2021.
- AAS Meeting #238 (Talk & Press Conference), Online, July 2021