# Jack Lubin
Curriculum Vitae

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## EDUCATION

***Ph.D. Physics*** 2023
Thesis Advisor: Paul Robertson
University of California, Irvine

***Masters of Science, Physics*** 2020
University of California, Irvine

***Bachelors of Arts, Physics and Applied Mathematics*** 2016
Thesis Advisor: Keivan Stassun
Vanderbilt University

## APPOINTMENTS

**Postdoctoral Fellow** September 2023 - Present
KPF Community Cadence Project Scientist
University of California, Los Angeles

**Teaching Assistant** September 2018 - June 2023
University of California, Irvine

**Associate Data Engineer** June 2016 - September 2017
Capital One Financial

**Physics Tutor** September 2015 - June 2016
Vanderbilt, Athletics Department

**Research Experience for Undergraduates (REU)** Summer 2015
Hosted at Vanderbilt University

## TEACHING EXPERIENCE

**Teaching Assistant** September 2018 - June 2023
Department of Physics and Astronomy, UCI

- Phys 7E, Classical Physics: Fluids; oscillations; waves; and optics — Spring 2023
- Phys 215B, Graduate Quantum Mechanics — Winter 2023
- Phys 7D, Classical Physics: Electricity and Magnetism (2nd time) — Winter 2023
- Phys 213A, Graduate Electricity & Magnetism — Winter 2022
- Phys 20A, Introduction to Astronomy (3rd time) — Winter 2022
- Phys 139, Observational Astronomy Lab — Fall 2021
- Phys 52C, Experimental Physics Lab, Statistics (online) — Spring 2021
- Phys 138, Galactic Astrophysics (online, 2nd time) — Winter 2021
- Phys 20A, Introduction to Astronomy (online, 2nd time) — Winter 2021
- Phys 7C, Classical Physics: Kinematics/Energy/Gravity (online) — Spring 2020
- Phys 138, Galactic Astrophysics — Winter 2020
- Phys 18, How Things Work — Winter 2020
- Phys 20A, Introduction to Astronomy — Fall 2019
- Phys 51A, Modern Physics — Spring 2019
- Phys 7D, Classical Physics: Electricity and Magnetism — Winter 2019
- Phys 52A, Experimental Physics Lab, Wave Theory — Fall 2018

## HONORS, AWARDS & FELLOWSHIPS

Astronomical Society of the Pacific (ASP) Junior Board Fellow — 2023

*UCI Grad Slam Finalist* — 2023

*CSU PREPP*, Fellow — 2023

*Astrobites*, Contributor — 2023

*NASA ExoExplorer*, Fellow — 2023

*ARCS Foundation Scholar*, Fellow — 2023

*National Osterbrock Leadership Program (NOLP)*, Fellow — 2022

*UCI Diversity Fellow* - Funding to lead the PACE program (see below), Fellow — 2022

*Highest Honors in Astronomy* – For successful defense of undergrad honors thesis — 2016

*Larry Ross Cathey Award* – For best undergrad honors thesis in astronomy — 2016

*Sigma Pi Sigma* – Member — 2016

## Software and Skills

*AstroQ* - As the KPF-CC Project Scientist, I have developed the automated scheduling algorithm that powers the program. I leverage Integer Linear Programming (ILP) methods to build a constrained optimization problem that is solvable in the provably mathematically optimal way.

Python - 11 years
ILP - 2 years

## Observing Experience

Keck/HIRES - 51 nights

Keck/KPF - 3 nights

Lick/ShaneAO - 37 nights

WIYN/NEID - 29 hours

HET/HPF - 8 hours

## Telescope Time Awards

"Eta Solar System: Measuring the Occurrence Rate of Solar System-like Architectures" (PID 85/2024A N034) - 2 nights 2024A awarded from the NASA TAC - Keck/KPF. Total funding award: $17,500

"Rossiter-McLaughlin Measurements of a Transiting Long-Period Jovian orbiting TOI-1670" (PID 2023A-273787) - 7 hours of P0 time awarded (2023A) from the NOIRLab TAC - WIYN/NEID. Total funding award: $6,000

"Rossiter-McLaughlin Measurements of a Transiting Terrestrial Planet" (PID 2021B-0148) - 7 hours of P0 time and 3 hours of P1 time awarded (2021B) from the NOIRLab TAC - WIYN/NEID. Total funding award: $6,000

## COMMUNITY SERVICE AND OUTREACH

*TAC member* - I have sat on multiple time allocation committees, reading and grading observing proposals. Number of TACs: 3

*Panel Reviewer* - I have served on panel reviews for funding agencies, reading and grading proposals. Number of reviews: 2

*UCLA Planetarium*, Presenter - I put on shows in the planetarium for both public and private events. I create and put on a custom 30 minute presentation on current topics in exoplanet science, then I dim the lights and lead the audience through the night sky. Number of shows: 18

*AAS 241 Splinter Session*, Lead Organizer - I led the design and implementation of a splinter session at the AAS241 conference in Seattle where we held a community discussion on how to improve Astro PhD education and programs. Jan 11, 2023

*Physics & Astronomy Community Excellence (PACE)*, Co-Leader. A UCI graduate student led organization providing a peer-mentoring program and career-building workshops for graduate students. Helped organize the program and run workshops. Academic years 2020-2023.

*Physics Graduate Caucus (PGC)*, Treasurer. The student-run government representing graduate student interests to the department. Served for 4 academic years, 2019-2023.

*Intro2Astro Summer Course*, Grad student mentor. A 10 week free introduction to astronomy research for aspiring students/researchers/enthusiasts. Helped organize and run weekly seminars (recorded to YouTube) including fully leading two lessons per year. Summers 2021 and 2022

*Osterbrock Sierra Conference* Campus Leader. Helped plan, organize, and implement the annual camping conference/retreat for astro grad students across the UC system. Summer 2020 (entirely planned, but then cancelled due to Covid) and Summer 2021.

*Science Olympiad Test Writer*, Orange County Regional. Authored, proctored, and scored the *Astronomy B* and *Astronomy C* tests for local 5th and 6th graders. Hosted at UCI, February 15, 2020.

*Referee for AAS Journals*, I have been the anonymous reviewer for an academic paper. **Count: 3**.

## Mentoring

*Gurmeher Kathuria* 2024
UCLA undergrad. I served as his formal mentor for the summer where he learned to code with astronomy specific software as well as led an independent study course and literature review.

*Nicholas Takoudes* 2024
High School student. Participating in the Hopkins Authentic Research Program in Science (HARPS). I served as his formal mentor for the summer where he learned to code with astronomy specific software and investigated our sensitivity to detecting exomoons in transit data.

*Antony Rozic* 2022
UCI Undergrad. Assisted in getting set up with software tools for Radial Velocity fitting as well as project design.

*Adam Hagen* 2022
High School student. Helped both in getting set up with the best software tools for working with TESS light curves and with applying new knowledge to search for transits.

*Simon Olshan-Cantin* 2022
High School student. Helped them with the software skills needed for searching archival radio data sets for Fast Radio Bursts (FRB)

*David Zhou* 2021
High School student. Helped both in getting set up with the best software tools for working with TESS light curves and with applying new knowledge to search for transits.

## PRESENTATIONS

*"A Data-Driven Model for Measuring Low Vsini"*, Know Thy Star, Know Thy Planet 2 Conference, Featured Talk, February 3, 2025.

*"KPF Community Cadence: Current Status and Future Capabilities"*, NASA EPRV Reserach Coordination Network (RCN) online seminar on survey design, Invited Talk, December 18, 2023.

*"New Dimensions in Time Series Analysis for Exoplanet Detection"*, iTelescope Webinar, Public Talk, August 18, 2023.

*"Is Our Solar System Unique?"*, UCI Grad Slam Finals, Public Talk, March 09, 2023.

*"Exploring New Dimensions in Time Series Analysis"*, AAS 241, Talk, Seattle, January 11, 2023.

*"The Lives and Deaths of Barnard b"*, Astronomy on Tap, Seattle. Public Talk, In-Person. January 11, 2023

*"Exploring New Dimensions in Time Series Analysis"*, Invited Talk, Ohio State Exoplanet Group, September 30, 2022.

*"Stellar Activity Manifesting at a One Year Alias Explains Barnard b as a False Positive"*, AAS 240, Talk, Pasadena, June 14, 2022.

*"Stellar Activity Manifesting at a One Year Alias Explains Barnard b as a False Positive"*, Exoplanets IV, Talk, Las Vegas, May 5, 2022.

*Cal-Bridge Graduate Student Workshop*, Cal-Bridge Program, Panel Member. In-person, April 24, 2022.

*'Trends and Biases in the Now 5000 Strong Exoplanet Population"*, UCI Undergraduate Astronomy Club, Talk. In-person, April 13, 2022.

*"TKS IX: HD 191939 Hosts a Multi-Planet System"*, Keck Science Meeting. Poster, Virtual. Sepember 9, 2021

*"The Lives and Deaths of Barnard b"*, Astronomy on Tap, Penn State University. Public Talk, Virtual. June 21, 2021

*"TKS IX: HD 191939 Hosts a Multi-Planet System"*, Emerging Researchers in Exoplanet Science (ERES) 2021, Talk. Virtual, May 24, 2021.

*"My Research in Exoplanets"*, UCI Undergraduate Astronomy Club, Talk. Virtual, February 3, 2021.

*"TKS V: HD 191939 Hosts a 5 Planet System"*, American Astronomical Society (AAS) 237th Meeting Oral Session 117, Talk. Virtual, January 11, 2021.

*Teaching Assistant Professional Development Training*, Panel Member. Virtual, November 5, 2020

*The Search for M-M Eclipsing Binaries*, Vanderbilt University Science Fair, Poster. September 17, 2015.

## Professional Development

**NOLP White Paper: Reimagining the Astronomy PhD**, I led the NOLP Fellows in researching, developing, and writing our white paper which investigated how PhD programs can better empower their grad students to get more out of their education. Published in the November AAS Newsletter. Direct link to paper here.

**CodeAstro**, An astronomy-focused workshop teaching best coding practices for software development, testing, and publishing. June 21-24, 2022

**Farmer-Trimble Graduate Observational Astronomy Workshop** designed for UC astronomy graduate students on observational techniques. Hosted at Lick Observatory over 5 nights. Learned telescope setup, observational strategies and limitations, and data reduction techniques. October 10-16, 2019

## PRESS COVERAGE

*"A Bruin's best kept cosmic secret: The UCLA Planetarium"*, Bruin Life, June 6, 2025

*"Barnard's star Has a Confirmed Planet – At Last!"*, Sky & Telescope, October 8, 2024

*"Planet Around Barnard's Star Probably Doesn't Exist At All"*, Scientias.nl (Dutch language science news website), May 26, 2021

*"Astronomers Challenge Claim of Planet Around Barnard's Star"*, Sky & Telescope, May 21, 2021

*"Astronomers Nix Idea Of Super-Earth Around Barnard's Star"*, Forbes, May 18, 2021

*"A very stealthy alias: the impostor planet of Barnard's star"*, HPF Blog, May 17, 2021

*"Astronomers use new technology developed with help from UC Irvine professor to look for habitable planets"*, LA Times, March 11, 2019

## SCIENCE COMMUNICATION

*"What Role Does Planet Orbital Eccentricity Play On Planet Habitability?"*, Astrobites, March 24, 2025

*"Are Hot Sub-Neptunes Just Failed Hot Jupiters? Maybe."*, Astrobites, March 7, 2025

*"20,000 stars later they didn't find a single planet (and that's cool too!)"*, Astrobites, November 25, 2024

*"Identifying the Sculptor: What Dynamical Processes Lead to Observed Planet Multiplicity"*, Astrobites, October 22, 2024

*"A Candidate Planet in the White Dwarf 'Forbidden' Zone"*, Astrobites, October 21, 2024

*"Are Solar Systems Eccentric?"*, Astrobites, July 16, 2024

*"A Third Planet Orbits the 25th Nearest Star"*, Astrobites, June 7, 2024

*"How Common are Solar Systems Like Our Own?"*, Astrobites, April 25, 2024

*"Astrobites Beyond: Reimagining the Astro PhD with the National Osterbrock Leadership Program (NOLP) "*, Astrobites Beyond, Jan 26, 2024

*"Overcoming Small Sources of Noise to Help Reveal Small Planets "*, Astrobites, December 04, 2023

*"NEID measures a spin-orbit angle for a long period planet"*, NEID Blog (written by me, posted by my advisor the webmaster), November 29, 2023

*"What Shapes the Edge of a Planetary System?"*, AAS Nova (picked up from Astrobites), October 31, 2023

*"Siblings or Only Child: M Dwarf Planets"*, Astrobites, October 23, 2023

*"Astronomers Join Forces Against the Sun"*, Astrobites, October 16, 2023

*"Where's the Edge of a Planetary System?"*, Astrobites, September 15, 2023

*"Do Small Stars Have Big Planets? No."*, Astrobites, June 24, 2023

*"Do Jupiters Hurt the Formation of Earths?"*, Astrobites, May 5, 2023

*"Are Hot Jupiters Lonely?"*, Astrobites, March 16, 2023

*"Earth as an Exoplanet"*, Astrobites, February 13, 2023

*"A very stealthy alias: the impostor planet of Barnard's star"*, HPF Blog (written by me, posted by my advisor the webmaster), May 17, 2021

## PUBLICATIONS

**As of October 2025**
**Count = 70**
**h-Index = 24**
**1324 total citations**

*First or Second Author*

**Lubin, J.**, Petigura, E., Misic, V., et al. *AstroQ: Automated Scheduling of Cadenced Astronomical Observations*, arXiv, June 2025

**Lubin, J.**, Petigura, E., Van Zandt, J. et al. *The HD 191939 system is Flat and Well-Aligned*, AJ, 165, 5, id. 196, September 2024

Polanski, A., **Lubin, J.**, Beard, C., et al. *The TESS-Keck Survey XX: 15 New TESS Planets and a Uniform RV Analysis of all Survey Targets*, AJ, 272, 2, id.32, May 2024

**Lubin, J.**, Wang, X., Rice, M. et al. *TOI-1670 c, a 40-day Orbital Period Warm Jupiter in a Compact System, is Well-aligned*, ApJL, 959, 1, id.L5, December 2023

**Lubin, J.**, Van Zandt, J., Holcomb, R., et al. *TESS-Keck Survey IX: Masses of Three Sub-Neptunes Orbiting HD 191939 and the Discovery of a Warm Jovian Plus a Distant Sub-Stellar Companion*, AJ, 163:101, February 2022.

**Lubin, J.**, Robertson, P., Stefansson, G., et al. *Stellar Activity Manifesting at a One Year Alias Explains Barnard b as a False Positive*, AJ, 162:61, August 2021

**Lubin, J.**, Rodriguez, J., Zhou, G., et al. *A Bright Short Period M-M Eclipsing Binary from the KELT Survey: Magnetic Activity and the Mass-Radius Relationship for M-dwarfs*, ApJ, 844:134, August 2017.

*N Author*

Faridani, T., Naoz, S. et al. Peekaboo: Secular Resonances from Evolving Stellar Oblateness Impede Transit Detection, arXiv, May 2025

Van Zandt, J., Petigura, E., **Lubin, J.** et al. The TESS-Keck Survey XXIV: Outer Giants may be More Prevalent in the Presence of Inner Small Planets, arXiv, January 2025

Beard, C., Robertson, P, **Lubin, J.** et al. Jitter Across 15 Years: Leveraging Precise Photometry from Kepler and TESS to Extract Exoplanets from Radial Velocity Time Series, arXiv, December 2024

Tyler, D., Petigura, E., et al. Revised Masses for Low Density Planets Orbiting the Disordered M-dwarf System TOI-1266, arXiv, October 2024

Beard, C., Robertson, P., et al. Utilizing Photometry from Multiple Sources to Mitigate Stellar Variability in Precise Radial Velocities: A Case Study of Kepler-21, arXiv, August 2024

Saunders, N., Grunblatt, S., et al. TESS Giants Transiting Giants. VI. Newly Discovered Hot Jupiters Provide Evidence for Efficient Obliquity Damping after the Main Sequence, arXiv, August 2024

Zhang, J., Huber, D., et al. A Testbed for Tidal Migration: the 3D Architecture of an Eccentric Hot Jupiter HD 118203 b Accompanied by a Possibly Aligned Outer Giant Planet, arXiv, August 2024

Dai, F., Howard, A., et al. An Earth-sized Planet on the Verge of Tidal Disruption, arXiv, August 2024

Isaacson, H., Howard, A., et al. The California Legacy Survey V. Chromospheric Activity Cycles in Main Sequence Stars, arXiv, June 2024

Pidhorodetska, D., Kane, S. et al. The TESS-Keck Survey. XXII. A sub-Neptune Orbiting TOI-1437, arXiv, May 2024

Handley, L., Petigura, E., et al. Automated Scheduling of Doppler Exoplanet Observations at Keck Observatory, arXiv, February 2024

Thomas, C., Weiss, L., et al. A Tale of Two Peas-In-A-Pod: The Kepler-323 and Kepler-104 Systems, arXiv, February 2024

Chontos, A., Huber, D., et al. The TESS-Keck Survey XXI: 13 New Planets and Homogeneous Properties for 21 Subgiant Systems, arXiv, February 2024

Rubenzahl, R., Dai, F., et al. The TESS-Keck Survey. XII. A Dense 1.8 $R_{\oplus}$ Ultra-Short-Period Planet Possibly Clinging to a High-Mean-Molecular-Weight Atmosphere After the First Gyr, arXiv, February 2024

Desai, A., Turtelboom, E., et al. The TESS-Keck Survey. XVIII. A sub-Neptune and spurious long-period signal in the TOI-1751 system, arXiv, February 2024

Hill, M., Kane, S., et al. The TESS-Keck Survey. XIX. A Warm Transiting Sub-Saturn Mass Planet and a non-Transiting Saturn Mass Planet Orbiting a Solar Analog, arXiv, February 2024

Dalba, P., Kane, S., et al. Giant Outer Transiting Exoplanet Mass (GOT 'EM) Survey. IV. Long-term Doppler Spectroscopy for 11 Stars Thought to Host Cool Giant Exoplanets, arXiv, January 2024

Beard, C., Robertson, P., et al. The TESS-Keck Survey XVII: Precise Mass Measurements in a Young, High Multiplicity Transiting Planet System using Radial Velocities and Transit Timing Variation, arXiv, Decemeber 2023

Jones, S., Stefansson, G., et al. TOI-2015b: A Warm Neptune with Transit Timing Variations Orbiting an Active mid M Dwarf, arXiv, October 2023

Hord, B., Kempton, E. et al. Identification of the Top TESS Objects of Interest for Atmospheric Characterization of Transiting Exoplanets with JWST, arXiv, October 2023

Mallorquin, M., Goffo, E., et al. TOI-1801 b: A temperate mini-Neptune around a young M0.5 dwarf, arXiv, October 2023

Householder, A, Weiss, L., et al. Investigating the Atmospheric Mass Loss of the Kepler-105 Planets Straddling the Radius Gap, arXiv, September 2023

Murphy, J., Batalha, N., Scarsdale, N. et al. The TESS-Keck Survey. XVI. Mass Measurements for 12 Planets in Eight Systems, arXiv, June 2023

Hon, M., Huber, D., Rui, N. et al. A close-in giant planet escapes engulfment by its star, arXiv, June 2023

Dai, F., Schlaufman, K., Reggiani, H. et al. A Mini-Neptune Orbiting the Metal-poor K

Dwarf BD+29 2654, arXiv, June 2023

Blunt, S., Carvalho, A., David, T. et al. Overfitting Affects the Reliability of Radial Velocity Mass Estimates of the V1298 Tau Planets, arXiv, June 2023

MacDougall, M., Petigura, E., Gilbert, G. et al. The TESS-Keck Survey. XV. Precise Properties of 108 TESS Planets and Their Host Stars, arXiv, June 2023

Zink, J., Hardegree-Ullman, K., Christiansen, J., et al. *Scaling K2. VI. Reduced Small Planet Occurrence in High Galactic Amplitude Stars*, arXiv, May 2023

Grunblatt, S., Saunders, N., Chontos, A., et al. *TESS Giants Transiting Giants III: An eccentric warm Jupiter supports a period-eccentricity relation for giant planets transiting evolved stars*, arXiv, November 2022

Yee, S., Winn, J., Hartman, J., et al. *The TESS Grand Unified Hot Jupiter Survey. II. Twenty New Giant Planets*, arXiv, October 2022

Dai, F., Masuda, M., Beard, C., et al. TOI-1136 is a Young, Coplanar, Aligned Planetary System in a Pristine Resonant Chain, arXiv, October 2022

Brinkman, C., Weiss, L., Dai, F., et al. *TOI-561 b: A Low Density Ultra-Short Period "Rocky" Planet around a Metal-Poor Star*, arXiv, October 2022

Van Zandt, J., Petigura, E., MacDougall, M., Gregory, G., **Lubin, J.**, et al. *TESS-Keck Survey XIV: 2 giant exoplanets from the Distant Giants Survey*, arXiv, September 2022

Beard, C., Robertson, P., Kanodia, S., et al. *GJ 3929: High Precision Photometric and Doppler Characterization of an Exo-Venus and its Hot, Mini-Neptune-mass Companion*, ApJ, 936:55, September 2022

MacDougall, M., Petigura, E., Fetherolf, T., Beard, C., **Lubin, J.**, et al. *The TESS-Keck Survey. XIII. An Eccentric Hot Neptune with a Similar-Mass Outer Companion around TOI-1272*, AJ, 164:97, September 2022

Yee, S., Winn, J., Hartman, J., et al. *The TESS Grand Unified Hot Jupiter Survey. I. Ten TESS Planets*, AJ, 164:70, August 2022

Turtelboom, E., Weiss, L., Dressing, C., et al. *The TESS-Keck Survey. XI. Mass Measurements for Four Transiting sub-Neptunes orbiting K dwarf TOI-1246*, AJ, 163:293, June 2022

Beard, C., Robertson, P., Kanodia, S., et al., *TOI-1696 and TOI-2136: Constraining the Masses of Two Mini-Neptunes with HPF*, AJ, 163:286, April 2022

Reefe, M., Luque, R., Gaidos, E., et al. *A close-in puffy Neptune with hidden friends: The enigma of TOI 620*, AJ, 163:269, June 2022

Terrien, R., Keen, A., Oda, K. et al. *Rotational modulation of spectroscopic Zeeman signatures in low-mass stars*, ApJL, 927:L11, March 2022

Grunblatt, S., Saunders, N., Sun, M., et al. *TESS Giants Transiting Giants II: The hottest Jupiters orbiting evolved stars*, AJ, 163:120, March 2022

Canas, C., Mahadevan, S., Bender, C., et al. *An eccentric Brown Dwarf eclipsing an M dwarf*, AJ 163:89, February 2022

Dalba, P., Kane, S., Dragomir, D., et al. *The TESS-Keck Survey. VIII. Confirmation of a Transiting Giant Planet on an Eccentric 261 day Orbit with the Automated Planet Finder Telescope*, ApJ, 163:61, February 2022

El Mufti, M., Plavchan, P., Isaacson, H., et al. *TOI 560 : Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS and HIRES RVs*, arXiv December 2021

Wang, X., Rice, M., Wang, S., et al. *SOLES II: The Aligned Orbit of WASP-148b, the Only Known Hot Jupiter with a Nearby Warm Jupiter Companion, from NEID and HIRES*, ApJL: 926:L8, February 2022

Heidari, N., Boisse, I., Orell-Miquel, J., et al. *HD207897 b: A dense sub-Neptune transiting a nearby and bright K-type star*, MNRAS, 658:A176, February 2022

MacDougall, M., Petigura, E., Angelo, I., **Lubin, J.** et al. *The TESS-Keck Survey. VI. Two Eccentric sub-Neptunes Orbiting HIP-97166*, AJ, 162:265, December 2021

Scarsdale, N., Murphy, J., Batalha, N., et al. *TKS V. Twin sub-Neptunes Transiting the Nearby G Star HD 63935*, AJ, 162:215, November 2021

Kanodia, S., Stefannson, G., Canas, C., et al. *TOI-532b: The Habitable-zone Planet Finder confirms a Large Super Neptune in the Neptune Desert orbiting a metal-rich M dwarf host*, AJ, 162:135, October 2021

Llop-Sayson, J., Wang, J., Ruffio, J., et al. *Constraining the Orbit and Mass of $\epsilon$ Eridani b with Radial Velocities, Hipparcos IAD-Gaia DR2 Astrometry, and Multi-epoch Vortex Coronagraphy Upper Limits*, AJ, 162:61, August 2021

Chontos, A., Murphy, J., MacDougall, M., et al. *The TESS-Keck Survey: Science Goals and Target Selection*, AJ, 163:297, June 2022

Dai, F., Howard, A., Batalha, N., et al. *TKS X: Confirmation of TOI-1444b and a Comparative Analysis of the Ultra-short-period Planets with Hot Neptunes*, May 2021

Winters, J., Cloutier, R., Medina, A., et al. *A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds*, AJ, 163:168, April 2022

Rubenzahl, R., Dai, F., Howard, A., et al. *The TESS-Keck Survey IV: A Retrograde, Polar Orbit for the Ultra-Low-Density, Hot Super-Neptune WASP-107b*, AJ, 161:119, March 2021

Weiss, L., Dai, F., Huber, D., et al. *The TESS-Keck Survey II: An Ultra-Short Period Rocky Planet and its Siblings Transiting the Galactic Thick-Disk Star TOI-561*, AJ, 161:56, February 2021

Dai, F., Roy, A., Fulton, B., et al. *TKS III: A Stellar Obliquity Measurement of TOI-1726 c*, AJ, 160:193, October 2020

Canas, C., Stefannson, G., Kanodia, S., et al. *A warm Jupiter transiting an M dwarf: A TESS single transit event confirmed with the Habitable-zone Planet Finder*, AJ, 160:147, September 2020

Carleo, I., Gandolfi, D., Barragan, O., et al. *The multi-planet system TOI-421 – A warm Neptune and a super puffy mini-Neptune transiting a G9 V star in a visual binary* AJ, 160:114, September 2020

Robertson, P., Stefansson, G., Mahadevan, S., et al. *Persistent starspot signals on M dwarfs: multi-wavelength Doppler observations with the Habitable-zone Planet Finder and Keck/HIRES*, ApJ, 897:125, July 2020

Cloutier, R., Rodriguez, J., Irwin, J., et al. *TOI-1235 b: a keystone super-Earth for testing radius valley emergence models around early M dwarfs*, 160:22, July 2020

Dalba, P., Gupta, A., Rodriguez, J., et al. *The TESS-Keck Survey I: A Warm Sub-Saturn-mass Planet and a Caution about Stray Light in TESS Cameras*, AJ, 159:241, May 2020