

Guðmundur Stefánsson — CV

Assistant Professor

Anton Pannekoek Institute of Astronomy
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Nationality: Icelandic

EDUCATION

- 2013 – 2019 PhD, Astronomy & Astrophysics, Pennsylvania State University. Advisor: Suvrath Mahadevan
Thesis: *Extreme Precision Photometry and Radial Velocimetry from the Ground*
- 2012 Stanford University: Summer International Honors Program
- 2010 – 2013 BSc, Physics
University of Iceland, Iceland (*First class with Distinction, 9.33/10.00*)

APPOINTMENTS

- 2024 – present Assistant Professor in Astrophysics, University of Amsterdam
- 2022 – 2023 NASA Sagan Fellow, Princeton University, USA
- 2019 – 2022 Henry Norris Russell Fellow, Princeton University, USA
- 2014 – 2019 NASA Earth and Space Science Fellow and Leifur Eiriksson Fellow, Penn State, USA
- 2013 – 2014 Teaching Assistant in Astrophysics, Penn State, USA
- 2013 CERN Summer Research: ISOLDE Experiment
- 2011 – 2013 Undergraduate Researcher in Nanophotonics, Uni. Iceland, Iceland

FELLOWSHIPS AND AWARDS

- 2023 Co-PI on **NASA Exoplanet Research Program (XRP)** Proposal
- 2023 Co-I on a 135h **JWST Program** to study atmospheres of planets orbiting low mass stars
- 2022 – 2024 **NASA Hubble/Sagan Fellowship**
- 2019 – 2022 **Henry Norris Russell Fellow**
- 2021 **[Robert J Trumpler Award](#)** for an unusually important PhD thesis to astronomy in N-America
- 2021 **NASA Group Achievement Award** awarded to the NEID Team
- 2020 Runner up for **IAU Thesis Award**
- 2017 **Downsbrough Graduate Fellowship**, Penn State
- 2016, 18, 19 **Zeccheus Daniel Travel Award**, Penn State
- 2016 – 2019 **NASA Earth and Space Science Fellowship**, Penn State
- 2015 **Stephen B. Brumbach Fellowship**, Penn State
- 2015 **Leifur Eiríksson Foundation Fellowship**
- 2014 **Teaching Assistant of the Year Award**, Penn State
- 2013 **Braddock-Roberts Fellowship**, Penn State
- 2013 – 2018 **Fulbright Fellowship**, PhD at Penn State
- 2010 **41st International Physics Olympiad (IPHO)**, honorable mention

MAJOR SCIENTIFIC COLLABORATIONS

- 2023 – Present CHAMPS: Consortium on Habitability and Atmospheres of M-dwarf Planets [[website](#)]
- 2023 – Present GEMS-JWST: A Large Cycle 2 JWST program [[website](#)]
- 2023 – Present Terra Hunting Experiment, Dutch Deputy Board Member [[website](#)]
- 2022 – Present EPRV Research Coordination Network [[website](#)]
- 2022 – Present EXLOO: Multi-wavelength collaboration to detect exoplanet magnetic fields [[website](#)]
- 2021 – Present Keck Planet Finder (KPF) Science Team Member and Template Matching Lead [[website](#)]
- 2014 – Present NEID: NASA/NSF Funded Next Generation RV Spectrograph for the WIYN 3.5m [[website](#)]
- 2013 – Present The Habitable-zone Planet Finder, Deputy Project Scientist [[website](#)]

PROFESSIONAL TALKS

- 2023-09-19 **Invited talk**, NASA Hubble Symposium, Harvard University, USA
- 2023-08-25 **Invited seminar**, Carnegie Earth and Planets Lab, Washington D.C., USA
- 2023-05-22 **Invited seminar**, Warwick University, UK

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2023-05-02	Invited colloquium , Carnegie Observatories, Pasadena, USA
2023-04-18	Invited colloquium , University of Iceland, Reykjavík, Iceland
2023-03-27	Invited talk , Extreme Precision Radial Velocities 5, Santa Barbara, California
2023-03-28	Invited splinter session talk , Extreme Precision Radial Velocities 5, Santa Barbara, California
2022-12-01	Invited colloquium , University of Amsterdam, Netherlands
2022-09-20	Invited colloquium , The College of New Jersey, NJ, USA
2022-09-12	Invited talk , NASA Hubble Symposium, Space Telescope Science Institute, USA
2022-07-01	Invited seminar , Lorentz Workshop on Life around a Radio Star, Leiden, Netherlands,
2022-04-04	Invited colloquium , University of Wisconsin, Madison, WI, USA
2022-03-23	Invited colloquium , University of Hawaii, HI, USA
2022-03-10	Invited colloquium , University of California Berkeley, CA, USA
2022-03-10	Invited Lunch Talk , University of California Berkeley, CA, USA
2022-02-22	Invited Bahcall Lunch Talk , Princeton University
2022-01-27	Invited colloquium , Yale University
2021-09-09	Invited colloquium , University of Oklahoma
2021-06-03	Invited talk , Princeton Astrophysics Advisory Council
2021-04-07	Invited seminar , University of Pennsylvania
2020-10-29	Invited seminar , NASA Goddard Space Flight Center
2020-10-15	Thunch seminar talk, Princeton University
2020-03-11	Invited seminar , Center for Computational Astrophysics, New York, NY, USA
2019-08-20	Contributed talk, Extreme Solar Systems IV, Reykjavik, Iceland
2019-03-21	Contributed talk, Extreme Precision Radial Velocities IV, Grindelwald, Switzerland
2019-01-08	Dissertation talk , 233rd AAS Meeting, Seattle, WA, USA
2019-01-08	Invited talk , NESSF Special Session, 233rd AAS Meeting, Seattle, WA, USA
2018-09-17	Exoplanet seminar talk, Princeton University, NJ, USA
2018-09-14	Invited seminar , Space Sciences Lab, University of California, Berkeley, CA, USA
2018-09-12	Invited exoplanet seminar , California Institute of Technology, CA, USA
2018-09-10	Seminar talk, Center for Exoplanets and Habitable Worlds, Penn State, PA, USA
2018-06-22	Contributed talk, Emerging Researchers in Exoplanet Science IV, Penn State, PA, USA
2017-08-15	Invited breakout session , Extreme Precision Radial Velocities III, Penn State, USA
2017-08-14	Contributed talk, Extreme Precision Radial Velocities III, Penn State, USA
2017-01-05	Contributed talk, Icelandic Astronomical Society Meeting, Reykjavik, Iceland
2016-06-12	Contributed talk, Emerging Researchers in Exoplanet Science II, Cornell, NY, USA
2015-05-28	Contributed talk, Emerging Researchers in Exoplanet Science I, Penn State, PA, USA

SUPERVISION OF GRADUATE STUDENTS

2023 – Present	[PhD] Evan Fitzmaurice (Penn State). Paper publication on Gaia-RV characterization.
2020 – Present	[BSc/PhD] Sinclair Jones (Princeton), 2x Junior Projects, and Senior Thesis advisor <i>Now a PhD student at Ohio State University</i>
2022 – Present	[PhD] Juan Espinoza (Catolica University), close research collaborator on recent paper
2022 – 2023	[PhD] Sarah Betti (UMass Amherst). Mentee through NASA Hubble Fellow Mentorship <i>Now prize fellow at Space Telescope Science Institute</i>
2022 – 2023	[PhD] Robert Frazier (Penn State), summer research project with 1 st author publication <i>Now a PhD student at University of Michigan</i>
2017 – 2019	[BSc] Marissa Maney (Penn State), research in instrumentation and precision photometry <i>Now a NSF PhD Student Graduate Fellow at Harvard University</i>
2018	R. Bowens & B. DeMarcy (Penn State): Independent transit research project.
2016 – 2018	[BSc] Yiting Li (Penn State). Transits & instrumentation. <i>Now a PhD student at UC Santa Barbara and soon a postdoc at University of Michigan</i>
2015 – 2017	[BSc] David Conrad (Penn State) <i>Now graduate student at RIT</i>

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PRESS

- 2023 Dec Discovery of LHS 3154b: [Reuters](#), [Penn State](#), [Princeton](#), [The Atlantic](#), [The Conversation](#), [CNN](#), [Guardian](#), [Astronomy.com](#), [German National Radio](#), [Morgunblaðið](#)
- 2022 Nov [Keck Observatory's Newest Planet Hunter Puts Its Eye on the Sky](#), Caltech
- 2020 Nov [In the Mysterious Blue Ring Nebula, Scientists See the Fate of Binary Stars](#), Princeton
- 2020 Aug [Surprisingly Dense Exoplanet Challenges Planet Formation Theories](#), NOIRLab
- 2020 Feb [Sub-Neptune-sized planet validated with the Habitable-zone Planet Finder](#), Penn State
- 2020 Jan [A New Tool for 'Weighing' Unseen Planets](#), NASA/JPL
- 2017 Oct [Press Release on Engineered Diffuser Technology](#), Penn State

TEACHING ACTIVITIES

- 2013, 2014 Instructor of Record: Astro 11, Penn State
- 2014 Planetarium Instructor: Davey Lab Observatory, Penn State
- 2014 Teaching Assistant and Guest Lecturer: Astro 1, Astro 5, Astro 6, Penn State
- 2013, 2014 Teaching Assistant and Guest Lecturer: Astro 1, Astro 5, Astro 6, Astro 10, Penn State
- 2012, 2013 Teaching Assistant: Physics 2, Physics 305G, Experimental Physics Lab, Uni. Iceland
- 2012 Teaching Assistant: Classical Mechanics, Uni. Iceland
- 2012 Private Tutor: Physics 1V, Nobel 101

SELECT OUTREACH

- 2023 German National Radio, www.deutschlandfunk.de
- 2023 Spegillinn, national Icelandic news show
- 2014 – Present **HPF** (<https://hpf.psu.edu/>) & **NEID** (<https://neid.psu.edu/>) blogs: 10 articles and 4 videos
- 2021 Feb **Amateur Astronomy Association of Princeton**: [Talk on Exoplanets and Instrumentation](#)
- 2020 Jan **Public talk** on Nobel Prize in Physics, National History Museum of Iceland
- 2017, 19, 21 **Radio Interviews** at the National Icelandic Public Radio (*Morgunútvarpið*, *Samfélagið*)
- 2017, 19, 21 **Newspaper Interviews**: *Visir*, Icelandic newspaper
- 2017 **Solar Eclipse Viewing**: Volunteering during solar eclipse on August 21
- 2014 – 2016 **Writer for Astrobites**, a daily astronomy literature journal. Wrote >20 articles
- 2014, 15 **Public observing**. Numerous nights with 10", 12", and 24" Telescopes, Penn State
- 2013 – 2015 **AstroFest, AstroNight**: Public observing, planetarium show, make-a-comet, Penn State
- 2014 **Exploration U**: Community Science Night, State College
- 2012, 2013 **University Day**: Experimental Physics Demonstrations, University of Iceland

SELECT DIVERSITY, EQUITY AND INCLUSION

- 2022 – 2023 **NASA Hubble Mentoring Program**: Mentored a student from an institution with little access to NASA Fellows on application/talk feedback, research program design etc.
- 2021 – 2023 **Princeton Mentoring Program**: Mentored a student as part of Department Climate Committee
- 2022 NASA Hubble Fellowship Application Q/A Panelist
- 2022 **NASA Hubble Feedback Program**: Volunteered to provide feedback on applications for students from diverse backgrounds that don't have access to NASA Hubble Fellows
- 2021, 22 **Career Panel Moderator**: Organized panels on jobs beyond academia (ERES V, NHFP).

ORGANISATION OF SCIENTIFIC MEETINGS & CONFERENCES

- 2024 Extreme Solar Systems V, New Zealand, SOC
- 2022 NASA Hubble Fellow Symposium, Space Telescope, Baltimore, USA
- 2021 Emerging Researchers in Exoplanet Science V, Princeton
- 2019 Extreme Solar Systems IV, Reykjavík, Iceland
- 2018 Emerging Researchers in Exoplanet Science, IV, Penn State
- 2017 Extreme Precision Radial Velocities IV, Penn State
- 2015 Emerging Researchers in Exoplanet Science, I, Penn State

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REVIEWING ACTIVITIES

2023 Mar External Reviewer of PhD Thesis Defense (Emil Knutstrup), Aarhus University
2015 – Present Occasional reviewer for MNRAS, A&A, ApJL
2021 NASA Extreme Precision Radial Velocity Foundation Science Proposals

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2013 – Present American Astronomical Society
2014 – Present SPIE
2013 – Present Icelandic Astronomical Society

List of Publications — Guðmundur Stefánsson

99 Total, 76 Peer Reviewed Papers, 1 in Science, 1 in Nature, 4 in review

1st Author (11 Total, 9 Peer Reviewed)

11. [Stefánsson et al. 2023, Science, 382, 1031.](#)
A Neptune-mass exoplanet in close orbit around a very low-mass star challenges formation models
10. [Stefánsson et al. 2022, ApJL, 931, 15.](#)
The Warm Neptune GJ 3470b has a Polar Orbit.
9. [Stefánsson, et al. 2020, AJ, 160, 6.](#)
A Mini-Neptune and a Radius-Valley-Planet Orbiting the Nearby M2 dwarf TOI-1266 in its Venus-Zone: Validation with the Habitable-zone Planet Finder.
8. [Stefánsson, et al. 2020, AJ, 160, 192.](#)
The Habitable-zone Planet Finder Reveals A High Mass and a Low Obliquity for the Young Neptune K2-25b.
7. [Stefánsson, et al. 2020, AJ, 159, 100.](#)
A sub-Neptune sized planet transiting the M2.5-dwarf G 9-40: Validation with the Habitable-zone Planet Finder.
6. [Stefánsson, et al. 2018, AJ, 156, 266.](#)
Diffuser-assisted Photometric Follow-up Observations of the Neptune-sized Planets K2-28b and K2-100b.
5. [Stefánsson, et al. 2018, SPIE Conference Series, Vol. 10702.](#)
Extreme precision photometry from the ground with beam-shaping diffusers for K2, TESS, and beyond.
4. [Stefánsson, et al. 2017, ApJ 848, 9.](#)
Toward Space-like Photometric Precision from the Ground with Beam-shaping Diffusers.
3. [Stefánsson, et al. 2016, ApJ 833, 175.](#)
A Versatile Technique to Enable Sub-milli-Kelvin Instrument Stability for Precise Radial Velocity Measurements: Tests with the Habitable-zone Planet Finder.
2. [Stefánsson, et al. 2016, SPIE Conference Series, 9908, 990871.](#)
Ultra-stable temperature and pressure control for the Habitable-zone Planet Finder spectrograph.
1. [Stefánsson, et al. 2011, Raust, 8, 1.](#)
Samþætting vökvarása og ljósrása á örflögum (English: Fabrication of integrated optical and microfluidic devices).

2nd and 3rd Author (21 Total, 16 Peer Reviewed, 2 in review)

21. [Fitzmaurice, Stefánsson et al. 2023 \(submitted to AAS journals\)](#)
Astrometry and Precise Radial Velocities Yield a Complete Orbital Solution for the Nearby Eccentric Brown Dwarf LHS 1610 b
20. [Jones, Stefánsson et al. 2023 \(submitted to AAS journals\)](#)

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TOI-2015b: A Warm Neptune with Transit Timing Variations Orbiting an Active mid M Dwarf

19. [Frazier, Stefánsson et al. 2023, ApJL, 944, 41](#)
NEID Reveals That the Young Warm Neptune TOI-2076 b Has a Low Obliquity
18. [Harman, Kopparapu, Stefánsson et al. 2021, PSJ, 3, 45](#)
A Snowball in Hell: The Potential Steam Atmosphere of TOI-1266c
17. [Vissapragada, Stefánsson, Greklek-McKeon et al. 2021, AJ, 162, 222](#)
A Search for Planetary Metastable Helium Absorption in the V1298 Tau System.
16. [Kanodia, Stefánsson, Cañas et al. 2021, AJ, 162, 135,](#)
TOI-532b: The Habitable-zone Planet Finder confirms a Large Super Neptune in the Neptune Desert orbiting a metal-rich M dwarf host.
15. [Krishnamurthy, Hirano, Stefánsson et al. 2021, AJ, 162, 82,](#)
Non-detection of Helium in the upper atmospheres of TRAPPIST-1b, e and f.
14. [Lubin, Robertson, Stefánsson et al. 2021, AJ 162, 61,](#)
Stellar Activity Manifesting at a One Year Alias Explains Barnard b as a False Positive.
13. [Mahadevan, Stefánsson, Robertson et al. 2021, ApJL, 919, 9,](#)
The Habitable-zone Planet Finder Detects a Terrestrial-mass Planet Candidate Closely Orbiting Gliese 1151: The Likely Source of Coherent Low-frequency Radio Emission from an Inactive Star.
12. [Cañas, Stefánsson, Kanodia, et al. 2020, AJ, 160, 147,](#)
A warm Jupiter transiting an M dwarf: A TESS single transit event confirmed with the Habitable-zone Planet Finder.
11. [Kanodia, Cañas, Stefánsson et al. 2020, ApJ, 899, 29,](#)
TOI-1728b: The Habitable-zone Planet Finder confirms a warm super Neptune orbiting an M dwarf host.
10. [Robertson, Stefánsson, Mahadevan, et al. 2020, ApJ, 897, 125,](#)
Persistent starspot signals on M dwarfs: multi-wavelength Doppler observations with the Habitable-zone Planet Finder and Keck/HIRES.
9. [Ninan, Stefánsson, Mahadevan, et al. 2020, ApJ, 894, 97,](#)
Evidence for He I 10830 Å absorption during the transit of a warm Neptune around the M-dwarf GJ 3470 with the Habitable-zone Planet Finder.
8. [Ninan, Mahadevan, Stefánsson et al. 2019, ISPA 2018,](#)
Impact of crosshatch patterns in H2RGs on high precision radial velocity measurements: Exploration of measurement and mitigation paths with HPF.
7. [Kanodia, Wolfgang, Stefánsson, et al. 2019, ApJ 882, 38,](#)
Mass-Radius relationship for M dwarf exoplanets: Comparing nonparametric and parametric methods.
6. [von Essen, Stefánsson, Mallon, et al. 2019, A&A, 628, 11,](#)
First Light of Engineered Diffusers at the Nordic Optical Telescope Reveal Time Variability in the Optical Eclipse Depth of WASP-12b.
5. [Cañas, Stefánsson, Monson, et al. 2019, ApJL 877, 29,](#)
TOI-150: A transiting hot Jupiter in the TESS southern CVZ.
4. [Robertson, T. Anderson, G. Stefánsson, et al. 2019, JATIS, 015003,](#)
Ultrastable environment control for the NEID spectrometer: design and performance demonstration.
3. [Li, Stefánsson, Robertson, et al. 2017, RNAAS, 1, 49,](#)
A Candidate Transit Event around Proxima Centauri.
2. [Bender, Robertson, Stefánsson et al. 2016, SPIE, 9913, 991338,](#)
The instrument control software package for the Habitable-Zone Planet Finder spectrometer.
1. [Slovinsky, Stefánsson, Kossoy et al. 2013, Plasmonics 8.4, 1613,](#)
Propagation Loss of Long-Range Surface Plasmon Polariton Gold Stripe Waveguides in the Thin-Film Limit.

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Other Coauthor (67 Total, 51 Peer Reviewed, 2 in review)

67. [Bonfanti \(including Stefansson\) et al. 2023 \(submitted\)](#)
Characterizing TOI-732 b and c: New insights into the M-dwarf radius and density valley
66. Radio Stars and Exoplanets Lorentz Workshop, Callingham (including **Stefansson**) et al. 2023 (subm.)
Radio Stars and Exoplanets
65. [Delamer \(including Stefansson\) et al. 2023 \(accepted\)](#)
TOI-4201: An Early M-dwarf Hosting a Massive Transiting Jupiter Stretching Theories of Core-Accretion
64. [Gully-Santiago \(including Stefansson\) et al. 2023 \(accepted\)](#)
A Large and Variable Leading Tail of Helium in a Hot Saturn Undergoing Runaway Inflation
63. [Lubin \(including Stefansson\) et al. 2023, ApJ, 959, 5](#)
TOI-1670 c, a 40-day Orbital Period Warm Jupiter in a Compact System, is Well-aligned
62. [Jiang \(including Stefansson\) et al. 2023, AJ, 167, 9.](#)
Revisiting ϵ Eridani with NEID: Identifying New Activity-sensitive Lines in a Young K Dwarf Star
61. [Espinoza-Retamal \(including Stefansson\) et al. 2023, ApJ, 958, 20](#)
The Aligned Orbit of the Eccentric Proto Hot Jupiter TOI-3362b
60. [Han \(including Stefansson\) et al. 2023, AJ, 167, 4](#)
TOI-5344 b: A Saturn-like planet orbiting a super-Solar metallicity M0 dwarf
59. [Yosida \(including Stefansson\) et al. 2023, AJ, 166, 181](#)
TESS Spots a Super-Puff: The Remarkably Low Density of TOI-1420b
58. [Bowens-Rubin \(including Stefansson\) et al. 2023, AJ, 166, 260](#)
A Wolf 359 in sheep's clothing: Hunting for substellar companions in the fifth-closest system using combined high-contrast imaging and radial velocity analysis
57. [Zhao \(including Stefansson\) et al. 2023, AJ, 166, 173](#)
The Extreme Stellar-Signals Project III. Combining Solar Data from HARPS, HARPS-N, EXPRES, and NEID
56. [Dong \(including Stefansson\) et al. 2023, ApJ, 951, 29](#)
TOI-1859b: A 64 Day Warm Jupiter on an Eccentric and Misaligned Orbit
55. [Zhang \(including Stefansson\) et al. 2023, Science Advances, 9, 23](#)
Giant tidal tails of helium escaping the hot Jupiter HAT-P-32 b
54. [Schutte \(including Stefansson\) et al. 2023, AJ, 166, 92](#)
Measuring the Temperature of Starspots from Multi-filter Photometry
53. [Kanodia \(including Stefansson\) et al. 2023, AJ, 166, 105](#)
Stable Fiber-illumination for Extremely Precise Radial Velocities with NEID
52. [Powers \(including Stefansson\) et al. 2023, AJ, 166, 44](#)
TOI-3785 b: A Low-density Neptune Orbiting an M2-dwarf Star
51. [Sikora \(including Stefansson\) et al. 2023, AJ, 165, 250](#)
Updated Planetary Mass Constraints of the Young V1298 Tau System Using MAROON-X
50. [Lambert \(including Stefansson\) et al. 2023, AJ, 165, 218](#)
TOI-5375 B: A Very Low Mass Star at the Hydrogen-burning Limit Orbiting an Early M-type Star
49. [Gupta \(including Stefansson\) et al. 2023, AJ, 165, 234](#)
A High-Eccentricity Warm Jupiter Orbiting TOI-4127
48. [Canas \(including Stefansson\) et al. 2023, ApJS, 265, 50](#)
Characterization of Low-mass Companions to Kepler Objects of Interest Observed with APOGEE-N
47. [Canas \(including Stefansson\) et al. 2023, AJ, 166, 30](#)
TOI-3984 A b and TOI-5293 A b: Two Temperate Gas Giants Transiting Mid-M Dwarfs in Wide Binary Systems
46. [Libby-Roberts \(including Stefansson\) et al. 2023, AJ, 165, 249.](#)
An In-depth Look at TOI-3884b: A Super-Neptune Transiting an M4Dwarf with Persistent Starspot Crossings

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45. [Lin \(including Stefánsson\) et al. 2023, AJ, 166, 90](#)
The Unusual M-dwarf Warm Jupiter TOI-1899 b: Refinement of Orbital and Planetary Parameters
44. [Brady \(including Stefánsson\) et al. 2023, AJ, 165, 129](#)
Measuring the Obliquities of the TRAPPIST-1 Planets with MAROON-X
43. [Brinkman \(including Stefánsson\) et al. 2023, AJ, 165, 88](#)
TOI-561 b: A Low-density Ultra-short-period "Rocky" Planet around a Metal-poor Star
42. [Kanodia \(including Stefánsson\) et al. 2022, AJ, 165, 120](#)
TOI-5205b: A Jupiter transiting an M dwarf near the Convective Boundary
41. [Gupta \(including Stefánsson\) et al. 2022, AJ, 164, 254](#)
Detection of p-mode Oscillations in HD 35833 with NEID and TESS
40. [Chaturvedi \(including Stefánsson\) et al. 2022, A&A, 666, 155](#)
TOI-1468: A system of two transiting planets, a super-Earth and a mini-Neptune, on opposite sides of the radius valley
39. [Rice \(including Stefánsson\) et al. 2022, AJ, 164, 104](#)
A Tendency Toward Alignment in Single-star Warm-Jupiter Systems
38. [Beard \(including Stefánsson\) et al. 2022, ApJ, 936, 55](#)
GJ 3929: High Precision Photometric and Doppler Characterization of an Exo-Venus and its Hot, Mini-Neptune-mass Companion
37. [Dong \(including Stefánsson\) et al. 2022, ApJ, 926, 7](#)
NEID Rossiter-McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star
36. [Gupta \(including Stefánsson\) et al. 2022, SPIE, 12189, 20](#)
Real-time exposure control and instrument operation with the NEID spectrograph GUI
35. [Seifahrt \(including Stefánsson\) et al. 2022, SPIE, 12184, 15](#)
MAROON-X: the first two years of EPRVs from Gemini North
34. [Ghosh \(including Stefánsson\) et al. 2022, ApJ, 926, 68](#)
Gaia 20eae: A Newly Discovered Episodically Accreting Young Star
33. [Kanodia \(including Stefánsson\) et al. 2022, AJ, 164, 81](#)
TOI-3757 b: A Low-density Gas Giant Orbiting a Solar-metallicity M Dwarf
32. [Reefe \(including Stefánsson\) et al. 2022, AJ, 163, 269](#)
A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620
31. [Beard \(including Stefánsson\) et al. 2022, AJ, 163, 286](#)
TOI-1696 and TOI-2136: Constraining the Masses of Two Mini-Neptunes with the Habitable-Zone Planet Finder
30. [Caballero \(including Stefánsson\) et al. 2022, A&A, 665, 120](#)
A detailed analysis of the Gl 486 planetary system
29. [Schutte \(including Stefánsson\) et al. 2022, AJ, 164, 14](#)
Modeling Stellar Surface Features on a Subgiant Star with an M-dwarf Companion
28. [Winters \(including Stefánsson\) et al. 2022, AJ, 163, 168](#)
A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds
27. [Cañas \(including Stefánsson\) et al. 2022, AJ, 164, 50](#)
TOI-3714 b and TOI-3629 b: Two Gas Giants Transiting M Dwarfs Confirmed with the Habitable-zone Planet Finder and NEID
26. [Terrien \(including Stefánsson\) et al. 2022, ApJ, 927, 11](#)
Rotational Modulation of Spectroscopic Zeeman Signatures in Low-mass Stars
25. [Lin \(including Stefánsson\) et al. 2022, AJ, 163, 184](#)
Observing the Sun as a star: Design and early results from the NEID solar feed
24. [Wang \(including Stefánsson\) et al. 2022, ApJL, 926, 8](#)
SOLES II: The Aligned Orbit of WASP-148b, the Only Known Hot Jupiter with a Nearby Warm Jupiter Companion, from NEID and HIRES.
23. [Bouma \(including Stefánsson\) et al. 2022, AJ, 163, 121](#)

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A 38 Million Year Old Neptune-Sized Planet in the Kepler Field

22. [Cañas \(including Stefánsson\) et al. 2022, AJ, 163, 3](#)
A Hot Mars-sized Exoplanet Transiting an M Dwarf
21. [Cañas \(including Stefánsson\) et al. 2022, AJ, 163, 89](#)
An eccentric Brown Dwarf eclipsing an M dwarf
20. [Kanodia \(including Stefánsson\) et al. 2022, ApJ, 925, 155](#)
High Resolution Near-infrared Spectroscopy of a Flare around the Ultracool Dwarf ν B 10
19. [Terrien \(including Stefánsson\) et al. 2021, AJ, 161, 252](#),
Broadband Stability of the Habitable Zone Planet Finder Fabry-Pérot Etalon Calibration System: Evidence for Chromatic Variation.
18. [Kanodia \(including Stefánsson\) et al. 2021, ApJ, 912, 15](#),
A Harsh Test of Far-field Scrambling with the Habitable-zone Planet Finder and the Hobby-Eberly Telescope.
17. [Tran \(including Stefánsson\) et al. 2021, AJ, 161, 173](#),
The Epoch of Giant Planet Migration Planet Search Program. I. Near-Infrared Radial Velocity Jitter of Young Sun-like Stars.
16. [Gupta \(including Stefánsson\) et al. 2021, AJ, 161, 130](#),
Target Prioritization and Observing Strategies for the NEID Earth Twin Survey.
15. [Seifahrt \(including Stefánsson\) et al. 2020, SPIE, 11447](#)
On-sky commissioning of MAROON-X: A new precision radial velocity spectrograph for Gemini North.
14. [Schwab \(including Stefánsson\) et al. 2020, SPIE, 11447](#),
The NEID spectrometer: fibre injection system design.
13. [Kanodia \(including Stefánsson\) et al. 2020, SPIE, 11447](#),
Ghosts of NEID's past.
12. [Hoadley \(including Stefánsson\) et al. 2020, Nature, 587, 387-391](#),
A blue ring nebula from a stellar merger several thousand years ago.
11. [Obermeier \(including Stefánsson\) et al. 2020, A&A, 639, 130](#),
Following the TraCS of exoplanets with Pan-Planets: Wendelstein-1b and Wendelstein-2.
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