Guðmundur Stefánsson — CV
NASA Sagan Fellow

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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

2022 – Present 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
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] Sinclaire Jones (Princeton, 2x Junior Projects, and Senior Thesis advisor
Now a PhD student at Ohio State University
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
Now prize fellow at Space Telescope Science Institute
2022 – 2023 [PhD] Robert Frazier (Penn State), summer research project with 1st author publication
Now a PhD student at University of Michigan
2017 – 2019 [BSc] Marissa Maney (Penn State), research in instrumentation and precision photometry
Now a NSF PhD Student Graduate Fellow at Harvard University
2018 R. Bowens & B. DeMarcy (Penn State): Independent transit research project.
2016 – 2018 [BSc] Yiting Li (Penn State). Transits & instrumentation.
Now a PhD student at UC Santa Barbara and soon a postdoc at University of Michigan
2015 – 2017 [BSc] David Conrad (Penn State)
Now graduate student at RIT

PRESS RELEASES

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

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

Present	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

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

93 Total, 72 Peer Reviewed Papers, 1 in Science, 1 in Nature.

1st Author (11 Total, 9 Peer Reviewed)

11. **Stefánsson** et al. 2023**,** accepted in Science
An extreme test case for planet formation: a close-in Neptune orbiting an ultracool star

10. **Stefánsson** et al. 2022, ApJL 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 (20 Total, 16 Peer Reviewed, 1 in review)

20. Fitzmaurice, **Stefansson** 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

19. Frazier, **Stefansson** 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 A 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.

Other Coauthor (62 Total, 47 Peer Reviewed, 3 in review)

62. Espinoza-Retamal (including **Stefansson**) et al. 2023 (submitted)
The Aligned Orbit of the Eccentric Proto Hot Jupiter TOI-3362b
61. Delamer (including **Stefansson)** et al. 2023 (submitted)
TOI-4201: An Early M-dwarf Hosting a Massive Transiting Jupiter Stretching Theories of Core-Accretion
60. Gully-Santiago (including **Stefansson)** et al. 2023 (submitted)

A Large and Variable Leading Tail of Helium in a Hot Saturn Undergoing Runaway Inflation

59. Yosida (including **Stefansson**) et al. 2023 (accepted, AAS journals)
TESS Spots a Super-Puff: The Remarkably Low Density of TOI-1420b

58. Bowens-Rubin (including **Stefansson)** et al. 2023 (accepted, AAS journals)
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 (accepted in AAS journals)
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

45. Lin (including **Stefansson**) et al. 2023, AJ, 166, 90
The Unusual M-dwarf Warm Jupiter TOI-1899 b: Refinement of Orbital and Planetary Parameters

44. Brady (including **Stefansson**) et al. 2023, AJ, 165, 129
Measuring the Obliquities of the TRAPPIST-1 Planets with MAROON-X

43. Brinkman (including **Stefansson**) 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
A 38 Million Year Old Neptune-Sized Planet in the Kepler Field
22. Cañas (incuding **Stefánsson**) et al. 2022, AJ, 163, 3
A Hot Mars-sized Exoplanet Transiting an M Dwarf
21. Cañas (incuding **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 vB 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.

10. Roy (including **Stefánsson**) et al. 2020, AJ, 159, 161,
Solar Contamination in Extreme-precision Radial-velocity Measurements

9. Lam (including **Stefánsson**) et al. 2020, AJ, 159, 120,
It takes two planets in resonance to tango around K2-146.

8. Metcalf (including **Stefánsson**) et al. 2019, Optica, 6, 233,
Stellar Spectroscopy in the Near-infrared with a Laser Frequency Comb.

7. Kanodia (including **Stefánsson**) et al. 2018, SPIE, 10702,
Overview of the spectrometer optical fiber feed for the habitable-zone planet finder.

6. Ninan (including **Stefánsson**) et al. 2018, SPIE, 10709,
The Habitable-Zone Planet Finder: improved flux image generation algorithms for H2RGs

5. Halverson (including **Stefánsson**) et al. 2016, SPIE 9908, 99086,
A comprehensive radial velocity error budget for next generation Doppler spectrometers.

4. Robertson (including **Stefánsson**) et al. 2016, SPIE, 9908, 990862,
A system to provide sub-milliKelvin temperature control at T 300K for extreme precision optical radial velocimetry.

3. Schwab (including **Stefánsson**) et al. 2016, SPIE, 9912, 991274,
Adaptive optics fed single-mode spectrograph for high-precision Doppler measurements in the near-infrared.

2. Hearty (including **Stefánsson**) et al. 2014, SPIE, 9147, 914752,
Environmental control system for Habitable-zone Planet Finder (HPF).

1. Mahadevan (including **Stefánsson**) et al. 2014, SPIE, 9147,
The Habitable-zone Planet Finder: A status update on the development of a stabilized fiber-fed near-infrared spectrograph for the for the Hobby-Eberly telescope.