

Jason Trevor Hinkle

University of Illinois Urbana-Champaign
1002 W. Green Street, Urbana, IL, 61801
jhinkle6@illinois.edu
<https://jhinkle13.github.io/>

Research Interests

Observational astrophysics, with a broad interest in time-domain astronomy and a particular focus on transient astronomy, including tidal disruption events, active galactic nucleus flares, active galactic nucleus variability, and transient host galaxies.

Positions Held

NHFP Einstein Fellowship, University of Illinois Urbana-Champaign — September 2025 - present
Tidal Disruption Events Postdoc, University of Hawai'i at Mānoa — May 2025 - August 2025

Education

University of Hawai'i at Mānoa — 2019 - 2025

Ph.D. in Astronomy — April 2025

M.S. in Astronomy — December 2021

Dissertation: *Messy Eaters: A Diversity of Supermassive Black Hole Accretion Behaviors Revealed by Nuclear Transients*

Advisor: Prof. Benjamin J. Shappee

University of Maryland — 2015 - 2019

B.S. in Physics with High Honors — May 2019

B.S. in Astronomy with High Honors — May 2019

Honors Thesis: *Ionization Mechanisms in Quasar Outflows*

Advisor: Prof. Sylvain Veilleux

Honors and Awards

NASA Hubble Fellowship Program Einstein Fellowship — 2025

Ohio State University Center for Cosmology and Astroparticle Physics Price Prize — October 2023

University of Hawai'i Office of the Vice Provost for Research and Scholarship Student Award for Excellence in Research — May 2023

Columbia Communications ARCS Award in Astronomy — May 2022

Friends of the IfA Best 699-2 Award — Spring 2021

NSF Graduate Research Fellowship Program Honorable Mention — March 2021

Friends of the IfA Best 699-1 Award — Fall 2020

High Honors in Physics — Spring 2019

High Honors in Astronomy — Spring 2019

Honors College Research Grant — Fall 2018

University Honors Citation — November 2017

Advising Experience

Paarmita Pandey (OSU undergraduate); *Ambiguous Nuclear Transients* — May 2024 - present

Athena Engholm (UH undergraduate); *Ambiguous Nuclear Transients* — January 2024 - present

Ashley Tarrant (UH REU); *ASAS-SN AGN Variability* — April 2023 - present

Willem Hoogendam (UH graduate student); *Tidal Disruption Events* — March 2023 - present
 Vera Berger (UH REU); *UV Stellar Flares with GALEX* — May 2022 - present
 Allison Blum (UH REU); *Tidal Disruption Events* — March 2024 - August 2-24
 Helena Treiber (UH REU); *AGNs in TESS* — March 2021 - August 2023
 Michael Bolish (UH REU); *ASAS-SN AGN Variability* — May 2022 - July 2022
 Jesse Zeldes (UH REU); *ASAS-SN M-dwarfs in K2 and TESS* — June 2020 - September 2021

Professional Activities

Referee, Nature Astronomy — 2024 - present
 Referee, Monthly Notices of the Royal Astronomical Society Letters — 2023 - present
 Referee, Monthly Notices of the Royal Astronomical Society — 2023 - present
 Referee, The Astrophysical Journal Letters — 2023 - present
 Member, High Energy Astrophysics Division of the AAS — 2023 - present
 Referee, The Astrophysical Journal — 2021 - present
 Member, American Astronomical Society — 2019 - present

Presentations

- “The Utility of Coronal Line Emitters as Probes of Tidal Disruption Event Physics”, Contributed Talk at *X-ray Quasi-Periodic Eruptions & Repeating Nuclear Transients*
- “Relating the Environments and Observables of TDEs”, Contributed Talk at *KITP Program: Towards a Physical Understanding of Tidal Disruption Events*
- “The Elusive Class of Ambiguous Nuclear Transients: Observational Trends, Physical Interpretations, and Open Questions”, Contributed Talk at *KITP Conference: Anticipating the Rising Tide of Tidal Disruption Events: Theory and Observations*
- “Building an ANT-Hill: The Growing Class of Ambiguous Nuclear Transients”, Contributed Talk at *Transients Down Under*
- “Messy Eaters: The Feeding Behaviors of Supermassive Black Holes”, Invited Price Prize Talk at *OSU CCAPP Seminars*
- “A TESS View of the Ambiguous Nuclear Transient ASASSN-18el”, Invited Talk at *June 2023 TESS Mission Update Meeting*
- “The Growing Class of Ambiguous Nuclear Transients”, Poster at *High Energy Astrophysics Division Meeting #20*, 117.08
- “The Growing Class of Ambiguous Nuclear Transients”, Poster at *eXtreme Black Holes Aspen Winter Conference*
- “Revealing AGNs Through TESS Variability”, Invited Talk at *TESS Science Team Meeting #29*
- “A TESS View of Ambiguous Nuclear Transients”, Contributed Talk at *TESS Science Conference II*
- “Discovery and Follow-up of the UV Luminous TDE ASASSN-19dj”, Poster at *Tidal Disruptions in Kyoto: Confronting Theory with Observations*
- “Fundamental X-ray Corona Parameters of Swift/BAT AGN”, Poster at *American Astronomical Society Meeting #235*, 304.29
- “Ionization Mechanisms in Quasar Outflows”, Poster at *American Astronomical Society Meet-*

Awarded Grants

Summary: 5 as Science PI, 1 as FI for FINESST, 9 as Co-I. ~ \$295,000 awarded for PI/FI grants.

HST Cycle 32 Bridge – “Rest-Frame [O III] Imaging of Post-Starburst TDE Hosts with Extended Emission Line Regions”; Science PI, 2025

TESS Cycle 7 – “A TESS View Of The First Light From Tidal Disruption Events”; Science PI, 2024

HST Cycle 34 – “Building an ANT-hill: STIS UV Follow-up of Ambiguous Nuclear Transients”; Science PI, awarded 2024

HST Cycle 33 – “Building an ANT-hill: STIS UV Follow-up of Ambiguous Nuclear Transients”; Science PI, awarded 2024

HST Cycle 32 – “Building an ANT-hill: STIS UV Follow-up of Ambiguous Nuclear Transients”; Science PI, 2024

TESS Cycle 6 – “A TESS View Of The First Light From Tidal Disruption Events”; Science PI, 2023

TESS Cycle 6 – “TESS Ground-Based Support Using ASAS-SN and SCAT”; Co-I, 2023

FINESST (Future Investigators in NASA Earth and Space Science and Technology) – “Tidal Disruption Events Under the Multiwavelength Microscope”; Future Investigator, 2023

Swift Cycle 19 – “Early-Time UVOT and XRT Follow-up of bright TDEs”; Science PI, 2023

Swift Cycle 19 – “Investigating the long-term trends of ASASSN-14ko’s periodic flares”; Co-I, 2023

TESS Cycle 5 – “The Tess Transient Patrol”; Co-I, 2022

TESS Cycle 5 – “Probing The Physics Of Tidal Disruption Events With Tess”; Co-I, 2022

Swift Cycle 18 – “Bright Optical TDEs and Their Final Stages of Evolution”; Co-I, 2022

Chandra Cycle 24 – “Observing the full X-ray evolution of an X-ray bright TDE”; Co-I, 2022

NICER Cycle 3 – “Monitoring of a Newly Discovered X-ray Bright TDE Using NICER”; Co-I, 2021

Chandra Cycle 23 – “Capturing the full X-ray evolution of an X-ray bright TDE ”; Co-I, 2021

NICER Cycle 2 – “Monitoring of a Newly Discovered X-ray Bright Tidal Disruption Event Using NICER”; Co-I, 2020

Ground-Based Telescope Time

Semester 2026A — Awarded: 0.5 half-night Keck-II/KCWI

Semester 2025A — Awarded: 32 h JCMT/SCUBA-2, 3 tracks SMA, 4 half-nights Keck-II/KCWI, 7.5 h ToO IRTF/Spex+Opihi, 8 half-nights IRTF/Spex

Semester 2025A — Awarded: 32 h JCMT/SCUBA-2, 3 tracks SMA, 4 half-nights Keck-II/KCWI, 7.5 h ToO IRTF/Spex+Opihi, 8 half-nights IRTF/Spex

Semester 2024B — Awarded: 32 h JCMT/SCUBA-2, 3 tracks SMA, 4 half-nights Keck-II/KCWI, 7.5 h ToO IRTF/Spex+Opihi, 9 half-nights IRTF/Spex

Semester 2024A — Awarded: 32 h JCMT/SCUBA-2, 3 tracks SMA, 3 half-nights Keck-II/KCWI, 7.5 h ToO IRTF/Spex+Opihi, 7 half-nights IRTF/Spex; Observed: 9 half-nights UH88/SNIFS

Semester 2023B — Awarded: 32 h JCMT/SCUBA-2, 3 tracks SMA, 6 half-nights Keck-II/KCWI, 7.5 h ToO IRTF/Spex+Opihi, 6 half-nights IRTF/Spex; Observed: 14 half-nights UH88/SNIFS

Semester 2023A — Awarded: 24 h JCMT/SCUBA-2, 2 tracks SMA, 30 h Gemini-N/GMOS, 30 h UKIRT/WFCAM, 6 h ToO IRTF/Spex, 5 half-nights IRTF/Spex; Observed: 12 half-nights

UH88/SNIFS

Semester 2022B — Awarded: 24 h JCMT/SCUBA-2, 2 tracks SMA, 6 half-nights Keck-I/LRIS, 25 h UKIRT/WFCAM, 6 half-nights IRTF/Spex; Observed: 18 half-nights UH88/SNIFS

Semester 2022A — Awarded: 24 h JCMT/SCUBA-2, 3 tracks SMA, 5 half-nights Keck-I/LRIS, 26 h UKIRT/WFCAM, 4 half-nights IRTF/Spex; Observed: 17 half-nights UH88/SNIFS

Semester 2021B — Awarded: 6 half-nights IRTF/Spex (PI), 24 h JCMT/SCUBA-2, 3 tracks SMA, 28 h UKIRT/WFCAM, 8.9 h Gemini-N/GMOS (Co-I) ; Observed: 20 half-nights UH88/SNIFS

Semester 2021A — Awarded: 52 h JCMT/SCUBA-2, 5.5 tracks SMA, 35 h UKIRT/WFCAM, 14.9 h Gemini-N/GMOS (Co-I); Observed: 13 half-nights UH88/SNIFS

Semester 2020B — Awarded: 20 h UKIRT/WFCAM (PI); Observed: 15 half-nights UH88/SNIFS

Outreach

HI STAR (Hawai'i Student/Teacher Astronomy Research) Mentor — Fall 2020 Spring 2025

Astrobites Author — Spring 2020 - Spring 2025

Maunakea Scholars Program Mentor — Fall 2019 - Fall 2024

Astrobites Hiring Committee Member — Fall 2020 - Spring 2023

Astrobites Undergraduate Co-Chair — Fall 2020 - Spring 2022

Astrobites Editorial Committee Member — Fall 2020 - Fall 2021

Astrobites Education Committee Member — Fall 2020 - Fall 2021

AAS Astronomy Ambassadors Program — January 2020

Volunteer at Institute for Astronomy Booth at AAS conference — January 2020

Mobile Planetarium Show at Mānoa Japanese Language School — December 2019

Research Talk to High School Students at Punahou School — November 2019

Honolulu Children and Youth Day — October 2019

Service

Graduate Representative to the Scientific Staff Screening Committee — Fall 2023 - Spring 2023

Graduate Telescope Allocation Committee Representative — Semester 2024A

Graduate Research Oversight Group Representative — Fall 2022 - Spring 2023

Graduate Admissions Representative — Fall 2020 - Spring 2021

Graduate Colloquium Representative — Fall 2019 - Fall 2020

ASTR110L/110 Teaching Assistant — Fall 2019 - Spring 2020

ASTR100 Teaching Assistant — Fall 2018

Publications

Summary: 52 total refereed/submitted publications, 13 first author, 33 with significant contribution (8 second author), and 6 with contribution. ~1180 total citations (~365 first author), with an h-index of 20. The 6 papers led by students I have co-advised are denoted by **.

Posted/Submitted:

1. Hoogendam, W. B., Shappee, B. J., Wray, J. J., et al. (incl. **Hinkle, J. T.**) 2025, “Spatial Profiles of 3I/ATLAS CN and Ni Outgassing from Keck/KCWI Integral Field Spectroscopy”, *arXiv e-prints*, arXiv:2510.11779
2. Mera, T., Ashall, C., Hoefflich, P., et al. (incl. **Hinkle, J. T.**) 2025, “JWST Observations of SN 2024ggi II: NIRSpec Spectroscopy and CO Modeling at 285 and 385 Days Past the Explosion”, *arXiv e-prints*, arXiv:2510.09600

3. **Pandey, P., **Hinkle, J. T.**, Kochanek, C., et al. 2025, “Unraveling the Nature of the Nuclear Transient AT2020adpi”, *arXiv e-prints*, arXiv:2509.03593
4. Pasham, D. R., Coughlin, E., van Velzen, S., & **Hinkle, J. T.** 2025, “Using Infrared Dust Echoes to Identify Bright Quasi-periodic Eruption Sources”, *arXiv e-prints*, arXiv:2502.12078
5. **Tarrant, A., **Hinkle, J. T.**, Shappee, B., et al. 2025, “The AGN Optical Variability Fundamental Plane”, *arXiv e-prints*, arXiv:2501.12444
6. **Hinkle, J. T.**, Auchettl, K., Hoogendam, W. B., et al. 2024, “On the Double: Two Luminous Flares from the Nearby Tidal Disruption Event ASASSN-22ci (AT2022dbl) and Connections to Repeating TDE Candidates”, *arXiv e-prints*, arXiv:2412.15326
7. **Zeldes, J., **Hinkle, J. T.**, Shappee, B. J., et al. 2021, “Flares Big and Small: a K2 and TESS View of ASAS-SN Superflares”, *arXiv e-prints*, arXiv:2109.04501

Accepted/Published:

1. **Hinkle, J. T.**, Shappee, B. J., & Tucker, M. A. 2025, “A Swift Fix II: Physical Parameters of Type I Superluminous Supernovae”, *The Open Journal of Astrophysics*, 8, 133
2. **Hinkle, J. T.**, Shappee, B. J., Auchettl, K., et al. 2025, “The most energetic transients: Tidal disruptions of high-mass stars”, *Science Advances*, 11, eadt0074
3. **Hinkle, J. T.** 2024, “Mid-Infrared Echoes of Ambiguous Nuclear Transients Reveal High Dust Covering Fractions: Evidence for Dusty Tori”, *Monthly Notices of the Royal Astronomical Society*, 531, 2603
4. **Hinkle, J. T.**, Shappee, B. J. & Holoien, T. W.-S. 2024, “Coronal Line Emitters are Tidal Disruption Events in Gas-Rich Environments”, *Monthly Notices of the Royal Astronomical Society*, 528, 4775
5. **Hinkle, J. T.**, Kochanek, C. S., Shappee, B. J., et al. 2023, “TESS Shines Light on the Origin of the Ambiguous Nuclear Transient ASASSN-18el”, *Monthly Notices of the Royal Astronomical Society*, 521, 3517
6. **Hinkle, J. T.**, Tucker, M. A., Shappee, B. J., et al. 2023, “SCAT uncovers ATLAS’s first tidal disruption event ATLAS18mlw: a faint and fast TDE in a quiescent Balmer strong Galaxy”, *Monthly Notices of the Royal Astronomical Society*, 519, 2035
7. **Hinkle, J. T.**, Holoien, T. W.-S., Shappee, B. J., et al. “The Curious Case of ASASSN-20hx: A Slowly Evolving, UV- and X-Ray-Luminous, Ambiguous Nuclear Transient”, *The Astrophysical Journal*, 930, 12
8. **Hinkle, J. T.**, & Mushotzky, R. 2021, “Fundamental X-ray corona parameters of Swift/BAT AGN”, *Monthly Notices of the Royal Astronomical Society*, 506, 4960
9. **Hinkle, J. T.**, Holoien, T. W.-S., Shappee, B. J., & Auchettl, K. 2021, “A Swift Fix for Nuclear Outbursts”, *The Astrophysical Journal*, 910, 83
10. **Hinkle, J. T.**, Holoien, T. W.-S., Auchettl, K., et al. 2021, “Discovery and follow-up of ASASSN-19dj: an X-ray and UV luminous TDE in an extreme post-starburst galaxy”, *Monthly Notices of the Royal Astronomical Society*, 500, 1673
11. **Hinkle, J. T.**, Holoien, T. W.-S., Shappee, B. J., et al. 2020, “Examining a Peak-luminosity/Decline-rate Relationship for Tidal Disruption Events”, *The Astrophysical Journal*, 894, L10
12. **Hinkle, J. T.**, Veilleux, S., & Rupke, D. S. N. 2019, “Ionization Mechanisms in Quasar

- Outflows”, *The Astrophysical Journal*, 881, 31
13. DerKacy, J. M., Ashall, C., Baron, E., et al. (incl. **Hinkle, J. T.**) 2025, “JWST Observations of SN 2023ixf I: Completing the Early Multi-Wavelength Picture with Plateau-phase Spectroscopy”, *The Astrophysical Journal*, in press
 14. Baron, E., Ashall, C., DerKacy, J. M., et al. (incl. **Hinkle, J. T.**) 2025, “JWST Observations of SN 2024ggi I: Interpretation and Model Comparison of the Type II Supernova 2024ggi at 55 days Past Explosion”, *The Astrophysical Journal*, in press
 15. Medler, K., Ashall, C., Shahbandeh, M., et al. (incl. **Hinkle, J. T.**) 2025, “The Hawaii Infrared Supernova Study (HISS): Spectroscopic Data Release 1”, *The Astrophysical Journal Supplement Series*, 281, 28
 16. Medler, K., Ashall, C., Hoefflich, P., et al. (incl. **Hinkle, J. T.**) 2025, “JWST Observations of SN 2023ixf II: The Panchromatic Evolution Between 250 and 720 Days After the Explosion”, *The Astrophysical Journal*, 993, 191
 17. Hoogendam, W. B., Jones, D. O., Ashall, C., et al. (incl. **Hinkle, J. T.**) 2025, “Seeing the Outer Edge of the Infant Type Ia Supernova 2024epr in the Optical and Near Infrared”, *The Open Journal of Astrophysics*, 8, 120
 18. Hoogendam, W. B., Ashall, C., Jones, D. O., et al. (incl. **Hinkle, J. T.**) 2025, “Early and Extensive Ultraviolet Through Near Infrared Observations of the Intermediate-Luminosity Type Iax Supernovae 2024pxl”, *The Astrophysical Journal*, 988, 209
 19. Bose, S., Stritzinger, M. D., Ashall, C., et al. (incl. **Hinkle, J. T.**) 2025, “Expanding the parameter space of 2002es-like type Ia supernovae: On the underluminous ASASSN-20jq/SN 2020qxp”, *Astronomy and Astrophysics*, 699, A169
 20. Do, A., Shappee, B. J., Tonry, J. L., et al. (incl. **Hinkle, J. T.**) 2025, “Hawaii Supernova Flows: A peculiar velocity survey using over a Thousand Supernovae in the near-infrared”, *Monthly Notices of the Royal Astronomical Society*, 536, 624
 21. Tucker, M. A., **Hinkle, J. T.**, Angus, C. R. et al. 2024, “The Extremely Metal-Poor SN 2023ufx: A Local Analog to High-Redshift Type II Supernovae”, *The Astrophysical Journal*, 976, 178
 22. Dong, Y., Valenti, S., Ashall, C., et al. (incl. **Hinkle, J. T.**) 2023, “Characterizing the Rapid Hydrogen Disappearance in SN 2022crv: Evidence of a Continuum between Type Ib and IIb Supernova Properties”, *The Astrophysical Journal*, 974, 316
 23. **Berger, V. L., Hinkle, J. T.**, Tucker, M. A., et al. 2024, “Stellar Flares Are Far-Ultraviolet Luminous”, *Monthly Notices of the Royal Astronomical Society*, 532, 4436
 24. Pasham, D. R., Coughlin, E. R., Guolo, M., et al. (incl. **Hinkle, J. T.**) 2024, “A Potential Second Shutoff from AT2018fyk: An Updated Orbital Ephemeris of the Surviving Star under the Repeating Partial Tidal Disruption Event Paradigm”, *The Astrophysical Journal*, 971, L31
 25. **Hoogendam, W. B., Hinkle, J. T.**, Shappee, B. J., et al. 2024, “Discovery and follow-up of ASASSN-23bd (AT 2023clx): the lowest redshift and luminosity optically selected tidal disruption event”, *Monthly Notices of the Royal Astronomical Society*, 530, 4501
 26. Gaidos, E., Thanathibodee, T., Hoffman, A., et al. (incl. **Hinkle, J. T.**) 2024, “The Dynamic, Chimeric Inner Disk of PDS 70”, *The Astrophysical Journal*, 966, 167
 27. Pasham, D. R., Tombesi, F., Sukova, P., et al. (incl. **Hinkle, J. T.**) 2024, “A Case for a

- Binary Black Hole System Revealed via Quasi-Periodic Outflows”, *Science Advances*, 10, 13
28. Pearson, J., Sand, D. J., Lundqvist, P., et al. (incl. **Hinkle, J. T.**) 2024, “Strong Carbon Features and a Red Early Color in the Underluminous Type Ia SN 2022xkq”, *The Astrophysical Journal*, ApJ, 960, 29
 29. Ertini, K., Folatelli, G., Martinez, L., et al. (incl. **Hinkle, J. T.**) 2023, “SN 2021gno: a calcium-rich transient with double-peaked light curves”, *Monthly Notices of the Royal Astronomical Society*, 526, 279
 30. **Treiber, H. P., **Hinkle, J. T.**, Fausnaugh, M. M., et al. 2023, “Revealing AGNs Through TESS Variability”, *Monthly Notices of the Royal Astronomical Society*, 525, 5795
 31. Desai, D. D., Ashall, C., Shappee, B. J., et al. (incl. **Hinkle, J. T.**) 2023, “Fast and not-so-furious: Case study of the fast and faint type IIb SN 2021bxu”, *Monthly Notices of the Royal Astronomical Society*, 524, 767
 32. Payne, A. V., Auchettl, K., Shappee, B. J., et al. (incl. **Hinkle, J. T.**) 2023, “Chandra, HST/STIS, NICER, Swift, and TESS Detail the Flare Evolution of the Repeating Nuclear Transient ASASSN -14ko”, *The Astrophysical Journal*, 951, 134
 33. Holoien, T. W.-S., Berger, V. L., **Hinkle, J. T.**, et al. 2023, “Examining the Properties of Low-luminosity Hosts of Type Ia Supernovae from ASAS-SN”, *The Astrophysical Journal*, 950, 108
 34. Neustadt, J. M. M., **Hinkle, J. T.**, Kochanek, C. S., et al. 2023, “Multiple flares in the changing-look AGN NGC 5273”, *Monthly Notices of the Royal Astronomical Society*, 521, 3810
 35. de Jaeger, T., Shappee, B. J., Kochanek, C. S., et al. (incl. **Hinkle, J. T.**) 2023, “Optical/ γ -ray blazar flare correlations: understanding the high-energy emission process using ASAS-SN and Fermi light curves”, *Monthly Notices of the Royal Astronomical Society*, 519, 6349
 36. Tucker, M. A., Shappee, B. J., Huber, M. E., et al. (incl. **Hinkle, J. T.**) 2022, “The Spectroscopic Classification of Astronomical Transients (SCAT) Survey: Overview, Pipeline Description, Initial Results, and Future Plans”, *Publications of the Astronomical Society of the Pacific*, 134, 124502
 37. Jayasinghe, T., Thompson, T. A., Kochanek, C. S., et al. (incl. **Hinkle, J. T.**) 2022, “The ‘Giraffe’: discovery of a stripped red giant in an interacting binary with an $2 M_{\odot}$ lower giant”, *Monthly Notices of the Royal Astronomical Society*, 516, 5945
 38. Liu, M. C., Magnier, E. A., Zhang, Z., et al. (incl. **Hinkle, J. T.**) 2022, “On the Unusual Variability of 2MASS J06195260-2903592: A Long-lived Disk around a Young Ultracool Dwarf”, *The Astronomical Journal*, 164, 165
 39. Holoien, T. W.-S., Neustadt, J. M. M., Valley, P. J., et al. (incl. **Hinkle, J. T.**) 2022, “Investigating the Nature of the Luminous Ambiguous Nuclear Transient ASASSN-17jz”, *The Astrophysical Journal*, 933, 196
 40. Payne, A. V., Shappee, B. J., **Hinkle, J. T.**, et al. 2022, “The Rapid X-Ray and UV Evolution of ASASSN-14ko”, *The Astrophysical Journal*, 926, 142
 41. Tucker, M. A., Shappee, B. J., **Hinkle, J. T.**, et al. 2021, “An AMUSING look at the host of the periodic nuclear transient ASASSN-14ko reveals a second AGN”, *Monthly Notices of the Royal Astronomical Society*, 506, 6014
 42. Jayasinghe, T., Kochanek, C. S., Strader, J., et al. (incl. **Hinkle, J. T.**) 2021, “The loudest

- stellar heartbeat: characterizing the most extreme amplitude heartbeat star system”, *Monthly Notices of the Royal Astronomical Society*, 506, 4083
43. Jayasinghe, T., Stanek, K. Z., Thompson, T. A., et al. (incl. **Hinkle, J. T.**) 2021, “A unicorn in monoceros: the $3 M_{\odot}$ dark companion to the bright, nearby red giant V723 Mon is a non-interacting, mass-gap black hole candidate”, *Monthly Notices of the Royal Astronomical Society*, 504, 2577
 44. Payne, A. V., Shappee, B. J., **Hinkle, J. T.**, et al. 2021, “ASASSN-14ko is a Periodic Nuclear Transient in ESO 253-G003”, *The Astrophysical Journal*, 910, 125
 45. Holoien, T. W.-S., Auchettl, K., Tucker, M. A., et al. (incl. **Hinkle, J. T.**) 2020, “The Rise and Fall of ASASSN-18pg: Following a TDE from Early to Late Times”, *The Astrophysical Journal*, 898, 161