Benjamin M. Tofflemire

Pipeline Scientist for NASA's TESS Mission

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Research Interests

Time-domain astrophysics, formation and evolution of stars and planets, structure and evolution of protoplanetary disks, precise measurements of fundamental stellar parameters

Summary

Funding: $688,570 in awards

Publications:

- First Author Publications: 11 | 300+ citations
- Total Refereed Publications: 56 | 4500+ citations
- H-Index: 23
- Student Publications: 4
- Consistent growth in publications and citations over the past 5 years

Students: 8 undergrads, 6 from underrepresented groups

Mentoring: Lead UT's Astro REU mentor training, lead 2023 workshop for NSF fellows (invited)

Teaching: 1 new undergrad-level course co-prep, 2 semesters leading 100-level mandatory TA sections, 10+ guest lectures at grad and undergrad levels

Observing Experience:

- Space-based: IR, X-ray: *JWST*, *Spitzer*, *XMM-Newton*, *Chandra*
- Ground-based: Sub-mm, IR, Optical: ALMA, Gemini South, SALT, including 800+ hours of on-site photometry and spectroscopy

Appointments

Pipeline Scientist, SETI Institute/NASA Ames Research Center	2024-present Research
Associate, UT-Austin	2023-present
51 Pegasi b Postdoctoral Fellow, UT-Austin – Faculty Host: Prof. Adam Kraus	2020-2024
Postdoctoral Fellow, UT-Austin – Advisor: Prof. Adam Kraus	2018-2020
Research Assistant, UW-Madison – Advisor: Prof. Robert Mathieu	2013-2018
Research Assistant, UW-Madison – Advisor: Dr. Marina Orio	2011-2013
Research Assistant, U. of Washington – Advisor: Dr. J. Wisniewski & Prof. S. Hawley	2010-2011

Education

University of Wisconsin-Madison	**Madison, WI**
Ph.D. Astronomy, *Accretion Dynamics in Pre-Main Sequence Binary Stars*	July 2018
M.S. Astronomy, Physics Minor	June 2013
University of Washington	**Seattle, WA**
B.S. Astronomy & Physics	June 2011

PI-Grants & Awards

JWST Cycle 3	($14,720) 2024
NASA Keck 2023B	($13,750) 2023
TESS Cycle 4 Guest Investigator Program	($70,000) 2021
51 Pegasi b Postdoctoral Fellowship in Planetary Astronomy	($505,000) 2020
TESS Cycle 3 Guest Investigator Program	($75,000) 2020
University of Wisconsin Jansky Award for Outstanding Research	2017
UW-Madison Graduate School Conference Presentation Award	($2,400) 2015, 2016, 2017
Sigma Xi Grants in Aid of Research	($2,500) 2015
University of Wisconsin Bautz Travel Fellowship	($1,200) 2015
University of Wisconsin Vilas Research Travel Grant	($600) 2015
University of Washington's Astronomy Bear Prize Recipient	2011
University of Washington Mary Gates Research Scholarship	($4,000) 2010, 2011

Successful Observing Proposals

JWST **Cycle 3**

- **Co-PI:** Snowline pulsations and UV photo-chemistry in planet-forming regions (23.4 hr)

WM Keck Observatory
- **PI:** The Dynamical Ingredients for Planet Formation in Binary Systems (1 night)

ALMA Cycle 7
- **PI:** Planet Formation and Survival in Newly-Forming Binary Systems (16 hr)

Spitzer DDT
- **PI:** Precision Measurements of Stellar Radii in Young Eclipsing Binaries (94 hr: Priority 1)

Gemini-South
- **PI:** The Empirical Mass-Radius Relation from 10 to 600 Myr (24 hr: Band 1)
- **PI:** Determining Orbital Solutions for Young Eclipsing Binaries (30 hr: Band 1)

Hobby-Eberly Telescope
- **PI:** Mapping the Surfaces of Spotted Stars: A Validation of Spot Filling Factor Techniques (1 hr P0; 3 hr P2)

Southern African Large Telescope
- **PI:** Time-Series Spectroscopy of Pre-Main Sequence Binaries (42.5 hr: P0/P1)

WIYN 3.5-m Telescope
- **PI:** Radial velocity survey of accreting stars in NGC 2264 (2 nights)
- **PI:** Time-series spectroscopy of flare stars in Pleiades star cluster (3 nights)
- Co-I: WIYN Open Cluster Study radial-velocity survey (90+ nights over 8 semesters)

McDonald 2.7m
- **PI:** Testing the Binary Origin of Sub-Subgiants (45 nights over 5 trimesters)

Las Cumbres Observatories Global Telescope Network
- **PI:** Determining The Ages Of Benchmark Systems By Investigating Their Kinematic Neighbors (450 hr over 5 semesters)
- Co-I: Time-series photometry of Pre-Main Sequence Binaries (980 hr over 5 semesters)

SMARTS 1.3m
- **PI:** Time-series photometry of Pre-Main Sequence Binaries (107 hours over 4 semesters)
- **PI:** Time-series spectroscopy of Pre-Main Sequence Binary V4046 Sgr (42 hs)

WIYN 0.9-m Telescope
- **PI:** High Cadence Photometry of Pre-Main Sequence Binary DQ Tau (16 nights)

APO: ARCSAT 0.5m
- **PI:** High Cadence Photometry of Pre-Main Sequence Binary DQ Tau (16 nights)

Software

TESS **SPOC Pipeline** 2025
- Contributor/Developer
- Pipeline for NASA's *TESS* Mission. Performs image calibration, photometry, systematic error correction, transit search, and data validation. MATLAB.
- Runs on the NASA Pleiades Supercomputer

`saphires` **- Stellar Analysis in Python for HIgh REsolution Spectroscopy** 2019
- Primary Developer | github
- A python package containing tools for spectral decomposition and stellar RV measurements

`comove` 2021
- Contributor | github
- A python package for finding co-moving neighbors to a target star and returning useful information regarding youth

Student Research

Mikayla Wilson (TCU): TAURUS Scholar 2021
- Characterization of a Solar Mass Eclipsing Binary
- Led Research Note to the AAS
- Poster to be presented at the 2023 Winter AAS
- Currently: Astronomy graduate student at UC Santa Cruz

Shannon Fitton (UT) 2020-2022
- Determining the Orbital Parameters of Disk-Bearing Binary Systems
- Led Research Note to the AAS
- Co-author on a publication in prep
- Currently: Astronomy graduate student at UNC Chapel Hill

Jeremy Buchanan (UT) 2020-2021
- Development of a python-based ensemble photometry package
- Senior Thesis Advisor
- Co-author on a publication in prep
- Currently: Data Scientist

Miguel Gutierrez (Florida Inst. Tech.): TAURUS Scholar 2019
- Constraining Temperature and Density of Accretion Flows in T Tauri Stars from Brackett Line Ratios
- Co-Author on ApJ Publication (Kidder et al. 2021)
- Led Research Note to the AAS
- 2020 Winter AAS Poster
- Currently: Data Scientist for Dell Technologies

Victoria Catlett (UT-Dallas): UT REU 2019
- Near-infrared Accretion Diagnostics of Young Stellar Objects
- Co-Author on ApJ Publication (Kidder et al. 2021)
- Led Research Note to the AAS
- 2020 Winter AAS Poster
- Currently: Greenbank Telescope Software Engineer

Nathan Eggen (UW-Madison) 2018
- Accretion in the Pre-Main Sequence Binary V4046 Sgr
- Senior Thesis Advisor
- Currently: University of Minnesota Astronomy MA, Data Scientist

Sarah Kessler (Rowan University): UW-Madison REU 2017
- Identifying Triple Companions to Spectroscopic Binaries with HST
- Currently: Ohio State University Astronomy Ph.D., Data Scientist at Near

Mentoring Training

Workshops Led
- Invited to lead Mentor Training Workshop for NSF AAPF Fellow Symposium 2023
- Lead Mentor Training Workshop for UT's TAURUS and REU research programs 2021-2023

Workshops Attended
- DELTA (CIRTL) Mentor Training Program 2014

Service

Professional Service:
- Journal Referee: ApJ, AJ, MNRAS
- NASA XRP Review Panel 2024
- NASA ADAP Review Panel 2020
- NASA ROSES Review Panel Secretary 2015

Departmental Service:
- ExoUpdate Curator (weekly science meetup) 2019-2023
- Hobby-Eberly Telescope Time Allocation Committee (3 times annually) 2019-2023
- Postdoc-Faculty Liaison (Elected) 2021-2022
- Second Year Defense Committee for UT Graduate Student, Kendall Sullivan 2019
- BashFest 2019 – SOC & LOC 2019
- UT's ISM/Star Formation/Exoplanet Seminar – Host & Organizer 2019
- UW-Madison Astronomy Graduate Admissions Committee (Elected) 2015-2016
- Graduate-Faculty Liaison (Elected) 2014-2015
- Stars Coffee Curator (weekly science meetup) 2013-2018
- Undergraduate-Faculty Liaison (Faculty Nomination) 2010-2011

Collaboration Service:
- Organizer of the THYME Collaboration Meeting (virtual) 2020

Teaching

Course Development & Teaching **2018**
Astronomy 140: The Exoplanet Revolution University of Wisconsin-Madison
- Co-developed and co-taught intro-level, inquiry-based course with Prof. Mathieu

Guest Lectures
- 10+ guest lectures at the graduate and undergraduate 100, 200 levels utilizing various teaching styles: lecture, inquiry-based, flipped classroom

Teaching Assistant **2012, 2015**
Astronomy 103: The Evolving Universe University of Wisconsin-Madison
- Taught six mandatory discussion sections per week, which included developing lesson plans and in-class activities
- Received *University Housing's Honored TA Award*

DEI Efforts

Social-Justice Journal Club **2021**
- Co-creator and leader of a postdoc centered learning community

Postdoc Mentor Meetup **2021 - 2022**
- Co-creator and leader of quarterly meetings to share mentor training resources focused on inclusivity and equity

Mentor for UT TAURUS and REU Programs (UT, UW-Madison) **2016 - 2023**
- Mentor for high-impact programs for under-represented groups
- Mentored 4 students via these programs; 3 have produced written products on their research

Outreach

Astronomy on Tap - Austin **2018, 2019**
- Two public talks

Universe in the Park **2011-2018**
- Host public talks and observing at Wisconsin State Parks (>15 events hosted)

Washburn Public Observing Nights **2011-2018**
- Host public and private observing nights at the historic Washburn observatory (>15 events hosted)

UW-Madison Space Place **2016**
- Invited lecture to amateur astronomy community (televised)

Girls Inc. Planetarium Shows **2014**
- Presented planetarium shows to Madison's local chapter of Girls Inc.

Professional Presentations

51 Pegasi b Summit **2022, 2023**
Contributed Talk Sausalito, CA

TESS **Science Conference II** **2021**
Invited Splinter Talk, RECORDING Virtual

Cool Stars 20 **2018**
Plenary Talk, RECORDING Boston, MA

Lowell Observatory **2018**
Colloquium (Invited) Flagstaff, AZ

AAS 231 **2018**
Dissertation Talk National Harbor, MD

Vanderbilt University **2017**
Astrophysics Lunch Nashville, TN

Institute for Theory and Computation (Harvard-CfA) **2017**
Stars and Planets Seminar (Invited) Cambridge, MA

American Museum of Natural History **2017**
Astronomy Seminar New York, NY

Space Telescope Science Institute **2017**
Exoplanets, Star and Planet Formation Seminar Baltimore, MD

University of Texas-Austin **2016**
Stars Seminar (Invited) Austin, TX

Cool Stars 19 **2016**
Contributed Talk Uppsala, Sweden

Bibliography

Peer-Reviewed Publications (h-index: 23)

First Author Publications | 300+ citations

11. **Tofflemire**, B. M., Manara, C. F., Banzatti, A., et al. (16 co-authors), 2025, ApJ, accepted | ADS |
Coordinated Space and Ground-Based Monitoring of Accretion Bursts in a Protoplanetary Disk: Establishing Mid-Infrared Hydrogen Lines as Accretion Diagnostics for JWST-MIRI

10. **Tofflemire**, B. M., Prato, L., Kraus, A. L., et al. (8 co-authors) 2024, AJ, 167, 232 | ADS | 3 cit.
Sites of Planet Formation in Binary Systems. I. Evidence for Disk-Orbit Alignment in the Close Binary FO Tau

9. **Tofflemire**, B. M., Kraus, A. L., Mann, A.W., et al. (12 co-authors) 2022, AJ, 165, 46 | ADS | 5 cit.
A Low-Mass, Pre-Main Sequence Eclipsing Binary in the 40 Myr Columba Association – Fundamental Stellar Parameters and Modeling the Effect of Star Spots

8. **Tofflemire**, B., Rizzuto, A., Newton, E., et al. (24 co-authors) 2021, AJ, 161, 171 | ADS | 50 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME). V. A Sub-Neptune Transiting a Young Star in a Newly Discovered 250 Myr Association

7. **Tofflemire**, B., Mathieu, R., Johns-Krull, C. 2019, AJ, 158, 245 | ADS | 33 cit.
Accretion Kinematics in the T Tauri Binary TWA 3A: Evidence for Preferential Accretion onto the TWA 3A Primary

6. **Tofflemire**, B., Mathieu, R., Herczeg, G., Akeson, R., & Ciardi, D. 2017b, ApJL, 842, L12 | ADS | 39 cit.
Pulsed Accretion in the T Tauri Binary TWA 3A

5. **Tofflemire**, B., Mathieu, R., Ardila, D., Akeson, R., Ciardi, D., Johns-Krull, C., Herczeg, G., & Quijano-Vodniza, A. 2017a, ApJ, 835, 8 | ADS | 44 cit.
Accretion and Magnetic Reconnection in the Classical T Tauri Binary DQ Tau

4. **Tofflemire**, B., Gosnell, N., Mathieu, R., & Platais, I. 2014, AJ, 148, 61 | ADS | 35 cit.
WIYN Open Cluster Study. LIX. Radial Velocity Membership of the Evolved Population of the Old Open Cluster NGC 6791

3. **Tofflemire**, B., Orio, M., Page, K., Osborne, J., Ciroi, S., Cracco, V., Di Mille, F., & Maxwell, M. 2013, ApJ, 779, 22 | ADS | 27 cit.
X-Ray Grating Observations of Recurrent Nova T Pyxidis during the 2011 Outburst

2. **Tofflemire**, B., Wisniewski, J., Kowalski, A., Schmidt, S., Kundurthy, P., Hilton, E., Holtzman, J., & Hawley, S. 2012, AJ, 143, 12 | ADS | 25 cit.

The Implications of M Dwarf Flares on the Detection and Characterization of Exoplanets at Infrared Wavelengths

1. **Tofflemire**, B., Burkhart, B., & Lazarian, A. 2011, ApJ, 736, 60 | ADS | 41 cit.
Interstellar Sonic and Alfvénic Mach Numbers and the Tsallis Distribution

Significant Contributions | 430+ citations

22. Thao, P. C., Mann, A., Feinstein, A., et al. (including **Tofflemire** and 28 co-authors), 2024, Nature, submitted | draft available upon request
The Featherweight Giant: Unraveling the Atmosphere of a 17 Myr Planet with JWST

21. Barber, M., Thao, P. C., Mann, A., et al. (including **Tofflemire** and 12 co-authors), 2024, AAS Journals, submitted | draft available upon request
TESS Investigation – Demographics of Young Exoplanets (TI-DYE) II: a second giant planet in the 17-Myr system HIP 67522

20. Thao, P. C., Mann, A., Barber, M., et al. (including **Tofflemire** and 34 co-authors), 2024, AJ, 168, 41 | ADS | 1 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME). X. A Two-planet System in the 210 Myr MELANGE-5 Association

19. Krolikowski, D., Kraus, A., **Tofflemire**, B. & Morley, C. 2024, AJ, 167, 70 | ADS | 3 cit.
The Strength and Variability of the Helium 10830 Å Triplet in Young Stars, and Implications for Exosphere Detection

18. Capistrant, B., Soares-Furtado, M., Vanderburg, A., et al. (including **Tofflemire** and 31 co-authors), AJ, 167, 54 | ADS | 7 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME). XI. An Earth-sized Planet Orbiting a Nearby, Solar-like Host in the 400 Myr Ursa Major Moving Group

17. Wood, M., Mann, A., Barber, M., et al. (including **Tofflemire** and 5 co-authors) 2023, AJ, 166, 247 | ADS | 1 cit.
A Lithium Depletion Age for the Carina Association

16. Sun, Q., Wang, S., Mann, A., **Tofflemire**, B., et al. (3 co-authors) 2023, AJ, 952, 68 | ADS
A search for stellar siblings of the ∼200 Myr TOI-251b planetary system

15. Stassun, K., Torres, G., Kounkel, M., **Tofflemire**, B., et al. (including 6 co-authors) 2023, AJ, 950, 99 | ADS | 3 cit.
An Eclipsing Binary Comprising Two Active Red Stragglers of Identical Mass and Synchronized Rotation: A Post-mass-transfer System or Just Born That Way?

14. Pérez Paolino, F., Bary, J., Petersen, M., et al. (including **Tofflemire** and 3 co-authors) 2023, AJ, 946, 10 | ADS | 4 cit.
Correlating Changes in Spot Filling Factors with Stellar Rotation: The Case of LkCa 4

13. Wood, M., Mann, A., Barber, M., Bush, J., Kraus, A., **Tofflemire**, B., et al. (31 co-authors), 2022, AJ, 165, 85 | ADS | 13 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME). IX. A 27 Myr Extended Population of Lower Centaurus Crux with a Transiting Two-planet System

12. Kerr, R., Kraus, A., Murphy, S., Krolikowski, D., Offner, S., **Tofflemire**, B., & Rizzuto, A. 2022, AJ, accepted | ADS | 12 cit.
SPYGLASS-II: The Multi-Generational and Multi-Origin Star Formation History of Cepheus Far North

11. Barber, M., Mann, A., Johnathan, B., **Tofflemire**, B., et al. (7 co-authors) 2022, AJ, 164, 88 | ADS | 14 cit.
Transit Hunt for Young and Maturing Exoplanets (THYME). VIII. A Pleiades-age Association Harboring Two Transiting Planetary Systems from Kepler

10. Newton, E., Rampalli, R., Kraus, A., et al. (including **Tofflemire** and 36 co-authors) 2022, AJ 164, 115 | ADS | 20 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME). VII. Membership, Rotation, and Lithium in the Young Cluster Group-X and a New Young Exoplanet

9. Mann, A., Wood, M., Schmidt, S., et al. (including **Tofflemire** and 47 co-authors) 2022, AJ, 163, 156 | ADS | 50 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME) VI: an 11 Myr giant planet transiting a very low-mass star in Lower Centaurus Crux

8. Gosnell, N., Gully-Santiago, M., Leiner, E., & **Tofflemire**, B. 2022, ApJ, 925, 5 | ADS | 11 cit.
Observationally Constraining the Starspot Properties of Magnetically Active M67 Sub-Subgiant S1063

7. Kidder, B., Mace G., Lopez-Valdivia, R., Sokal, K., Catlett, V., Gutiérrez, M., **Tofflemire**, B., & Jaffee, D. 2021, ApJ, 922, 27 | ADS | 3 cit.
The IGRINS YSO Survey II: Veiling Spectra of Pre-main-sequence Stars in Taurus-Auriga

6. Newton, E., Mann, A., Kraus, A., et al. (including **Tofflemire** and 49 co-authors) 2021, AJ, 161, 65 | ADS | 41 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME). IV. Three Small Planets Orbiting a 120 Myr Old Star in the Pisces-Eridanus Stream

5. Waalkes, W., Berta-Thompson, Z., Collins, K., Feinstein, A., **Tofflemire**, B., et al. (36 co-authors) 2021, AJ, 161, 13 | ADS | 12 cit.
TOI 122b and TOI 237b: Two Small Warm Planets Orbiting Inactive M Dwarfs Found by TESS

4. Rizzuto, A., Newton, E., Mann, A., **Tofflemire**, B et al. (13 co-authors) 2020, AJ, 160, 33 | ADS | 79 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME). II. A 17 Myr Old Transiting Hot Jupiter in the Sco-Cen Association

3. Newton, E., Mann, A., **Tofflemire**, B., et al. (49 co-authors) 2019, ApJL, 880L, 17 | ADS | 124 cit.
TESS Hunt for Young and Maturing Exoplanets (THYME) I: A planet in the 45 Myr Tucana-Horologium association

2. Milliman, K., Leiner, E., Mathieu, R., **Tofflemire**, B., & Platais, I. 2016, AJ, 151, 152 | ADS | 5 cit.
WIYN Open Cluster Study. LXXI. Spectroscopic Membership and Orbits of NGC 6791 Sub-Subgiants

1. Orio, M., Behar, E., Gallagher, J., et al. (including **Tofflemire** and 6 co-authors) 2013, MNRAS, 429, 1342 | ADS | 27 cit.
Thomson scattering and collisional ionization in the X-ray grating spectra of the recurrent nova U Scorpii

Contributing Author | 3500+ citations

18. Zhang, Z., Morley, C., Gully-Santiago, M., et al. (including **Tofflemire** and 13 co-authors) 2023, Science Advances, accepted | ADS | 10 cit.
Giant Tidal Tails of Helium Escaping the Hot Jupiter HAT-P-32 b

17. Zhou, G., Wirth, C., Huang, C., et al. (including **Tofflemire** and 36 co-authors) 2022, AJ, 163, 289 | ADS | 14 cit.
A Mini-Neptune from TESS and CHEOPS Around the 120 Myr Old AB Dor Member HIP 94235

16. Han, E., Rappaport, S., Vanderburg, A., **Tofflemire**, B., et al. (11 co-authors) 2022, MNRAS, 510, 2448 | ADS | 1 cit.
A 2+1 + 1 quadruple star system containing the most eccentric, low-mass, short-period, eclipsing binary known

15. Leiner, E., Geller, A., Gully-Santiago, M., Gosnell, N. & **Tofflemire**, B. 2022, ApJ, 927, 222 | ADS | 12 cit.
Revealing the Field Sub-subgiant Population Using a Catalog of Active Giant Stars and Gaia EDR3

14. Nine, A., Milliman, K., Mathieu, R., et al. (including **Tofflemire** and 3 co-authors) 2020, AJ, 160, 169 | ADS | 25 cit.
WIYN Open Cluster Study. LXXXII. Radial-velocity Measurements and Spectroscopic Binary Orbits in the Open Cluster NGC 7789

13. Pearce, L.,Kraus, AL., Dupuy, T., et al. (including **Tofflemire** and 3 co-authors) 2020, ApJ, 894, 115 | ADS | 34 cit.
Orbital Parameter Determination for Wide Stellar Binary Systems in the Age of Gaia

12. Kounkel, M., Covey, K., Moe, M., et al. (including **Tofflemire** and 25 co-authors) 2019, AJ, 157, 196 | ADS | 97 cit.
Close companions around young stars

11. Zemko, P., Ciroi, S., Orio, M., et al. (including **Tofflemire** and 8 co-authors) 2018, MNRAS, 480, 4489Z | ADS | 11 cit.
Optical observations of 'hot' novae returning to quiescence

10. Peretz, U., Orio, M., Behar, E., Bianchini, A., Gallagher, J., Rauch, T., **Tofflemire**, B., & Zemko, P., 2016, ApJ 829, 2 | ADS | 17 cit.
Chemical and Physical Parameters from X-Ray High-resolution Spectra of the Galactic Nova V959 Mon

9. Mack, C., III, Ge, J., Deshpande, R., et al. (including **Tofflemire** and 41 co-authors) 2013, AJ, 145, 139 | ADS | 10 cit.
A Cautionary Tale: MARVELS Brown Dwarf Candidate Reveals Itself to be a Very Long Period, Highly Eccentric Spectroscopic Stellar Binary

8. Fleming, S., Ge, J., Barnes, R., et al. (including **Tofflemire** and 58 co-authors) 2012, AJ, 144, 72 | ADS | 17 cit.
Very Low Mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. II. A Short-period Companion Orbiting an F Star with Evidence of a Stellar Tertiary and Significant Mutual Inclination

7. Wisniewski, J., Ge, J., Crepp, J., et al. (including **Tofflemire** and 41 co-authors) 2012, AJ, 143, 107 | ADS | 23 cit.
Very Low Mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. I. A Low-mass Ratio Stellar Companion to TYC 4110-01037-1 in a 79 Day Orbit

6. Sayres, C., Subasavage, J., Bergeron, P., Dufour, P., Davenport, J., AlSayyad, Y., & **Tofflemire**, B., 2012, AJ, 143, 103 | ADS | 22 cit.
A Multi-survey Approach to White Dwarf Discovery

5. Schmidt, S., Kowalski, A., Hawley, S., Hilton, E., Wisniewski, J., & **Tofflemire** 2012, ApJ, 745, 14 | ADS | 38 cit.
Probing the Flare Atmospheres of M Dwarfs Using Infrared Emission Lines

4. Hornbeck, J., Grady, C., Perrin, M., Wisniewski, J., **Tofflemire** et al. (11 co-authors) 2012, ApJ, 744, 54 | ADS | 7 cit.
PDS 144: The First Confirmed Herbig Ae-Herbig Ae Wide Binary

3. Eisenstein, D., Weinberg, D., Agol, E., et al. (including **Tofflemire** and 240 co-authors) 2011 AJ, 142, 72 | ADS | 1893 cit.
SDSS-III: Massive Spectroscopic Surveys of the Distant Universe, the Milky Way, and Extra-Solar Planetary Systems

2. Aihara, H., Allende Prieto, C., An, D., et al. (including **Tofflemire** and 178 co-authors) 2011, ApJS, 193, 29 | ADS | 1255 cit.
The Eighth Data Release of the Sloan Digital Sky Survey: First Data from SDSS-III

1. Janson, M., Carson, J., Thalmann, C., et al. (including **Tofflemire** and 44 co-authors) 2011, ApJ, 728, 85 | ADS | 53 cit.
Near-infrared Multi-band Photometry of the Substellar Companion GJ 758 B

Other Publications

Student Publications | 25 citations

4. Wilson, M., **Tofflemire**, B., Kerr, R., Mann, A., Kraus, A. 2022, RNAAS, 6, 9 | ADS
Characterization of a Solar Mass Eclipsing Binary with TESS and IGRINS

3. Fitton, S., **Tofflemire**, B., Kraus, A. 2022, RNAAS, 6, 18 | ADS | 23 cit.
Disk Material Inflates Gaia RUWE Values in Single Stars

2. Gutiérrez, M., Catlett, V., **Tofflemire**, B., Mace, G., Kraus, A. 2020, RNAAS, 4, 7 | ADS | 1 cit.
Constraining Temperature and Density of Accretion Flows in T Tauri Stars from Brackett Line Ratios

1. Catlett, V., Gutiérrez, M. and **Tofflemire**, B., Mace, G., Kidder, B., Kraus, A., 2019, RNAAS, 3, 195 | ADS | 1 cit.
Near-infrared Accretion Diagnostics of Young Stellar Objects

References

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