Contact Information	Department of Astronomy University of Texas at Austin 2515 Speedway, Stop C1400 Austin, TX 78712	tofflemire@utexas.edu phone: (503) 805-0214 Website: tofflemire.github.io	
Research Interests	Planet formation and evolution, structure and evolution of protoplanetary disks, binary star formation, T Tauri stars, accretion diagnostics		
Appointments	51 Pegasi b Postdoctoral Fellow, UT Austin Postdoctoral Fellow, UT Austin	Sept 2020 - present August 2018 - August 2020	
Education	 Ph.D. Astronomy University of Wisconsin-Madison Advisor: Professor Robert D. Mathieu Thesis: Pulsed Accretion in Eccentric Binaries 	July 2018 Madison, WI, USA	
	B.S. Astronomy & Physics University of Washington	June 2011 Seattle, WA, USA	
Research	 Disk Survival in Binary Systems July 2019 - present PI of ALMA Cycle 7 program to observe protoplanetary disks in binary systems with known orbital solutions Determine binary orbital parameters that foster the survival of protoplanetary material 		
	 THYME – TESS Hunt for Young and Maturing Exoplanets Lead spectroscopic followup of TESS planet candidates discovered in young associations Characterizing stellar host properties and radial-velocity variability 		
	 Accretion in T Tauri Binary Systems June 2012 - July 2018 Measured time-variable accretion rates of pre-main sequence binaries to test numerical models Characterized the kinematics and spatial distribution of accretion streams feeding young binary star systems with time-series, high-resolution spectroscopy from the SALT telescope 		
Select Peer-Reviewed Publications (33 total) (8 first author)	 First Author Publications Tofflemire, B. M., Rizzuto, A. C., Newton, E. R., et al. 2021, AJ, 161, 171 TESS Hunt for Young and Maturing Exoplanets (THYME) V: A Sub-Neptune Transiting a Young Star in a Newly Discovered 250 Myr Association 		
	▷ Tofflemire , B. M., Mathieu, R. D., Johns-Krull, C. 2019, AJ, 158, 245 Accretion Kinematics in the T Tauri Binary TWA 3A: Evidence for Preferential Accretion onto the TWA 3A Primary		
	▷ Tofflemire , B. M., Mathieu, R. D., Herczeg, G. J., et al. 2017b, ApJL, 842, L12 Pulsed Accretion in the Classical T Tauri Binary TWA 3A		
	▷ Tofflemire, B. M., Mathieu, R. D., Ardila, D. R., Akeson, R. L., et al. 2017a, ApJ, 835, 8 Accretion and Magnetic Reconnection in the Classical T Tauri Binary DQ Tau		
	Discrete Study, N. M., Mathieu, R. D., & Platais, I. 2014, AJ, 148, 61 WIYN Open Cluster Study. LIX. Radial Velocity Membership of the Evolved Population of the Old Open Cluster NGC 6791		
	Tofflemire , B. M., Orio, M., Page, K. L., et al. 2013, ApJ, 779, 22 X-Ray Grating Observations of Recurrent Nova T Pyxidis during the 2011 Outburst		
	▷ Tofflemire, B. M., Wisniewski, J. P., Kowalski, A. F., et al. 2012, AJ, 143, 12 The Implications of M Dwarf Flares on the Detection and Characterization of Exoplanets at Infrared Wavelengths		

Awards	 51 Pegasi b Postdoctoral Fellowship in Planetary Astronomy TESS Cycle 4 Guest Investigator Program TESS Cycle 3 Guest Investigator Program University of Wisconsin Jansky Award for Outstanding Research UW-Madison Graduate School Conference Presentation Award Sigma Xi Grants in Aid of Research University of Wisconsin Vilas Research Travel Grant University of Wisconsin Bautz Travel Fellowship AAS 225 Chambliss Student Prize Honorable Mention University of Wisconsin – University Housing Honored Instructor University of Washington's Astronomy Bear Prize Recipient University of Washington Mary Gates Research Scholarship 	$\begin{array}{c}(\$375,000) \ \textbf{2020}\\(\$75,000) \ \textbf{2020}\\(\$75,000) \ \textbf{2020}\\(\$75,000) \ \textbf{2020}\\(\$75,000) \ \textbf{2010}\\(\$2,400) \ \textbf{2015}, \ \textbf{2016}, \ \textbf{2017}\\(\$2,500) \ \textbf{2015}\\(\$600) \ \textbf{2015}\\(\$1200) \ \textbf{2015}\\\textbf{2015}\\(\$1200) \ \textbf{2015}\\\textbf{2011}\\(\$4,000) \ \textbf{2010}, \ \textbf{2011}\end{array}$	
Observing Proposals & Experience	 ALMA Cycle 7 PI: Planet Formation and Survival in Newly-Forming Binary Systems (16 hrs) Spitzer DDT PI: Precision Measurements of Stellar Radii in Young Eclipsing Binaries (94 hrs) Southern African Large Telescope PI: Time-Series Spectroscopy of Pre-Main Sequence Binaries (42.5 hrs of 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) Las Cumbres Observatories Global Telescope Network PI: Characterizing Eclipsing Binaries in Young Clusters (240 hrs over 2 semesters) Co-I: Time-series photometry of Pre-Main Sequence Binaries (980 hours 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 hours) 		
Talks	Cool Stars 20 Plenary Talk AAS 231 Dissertation Talk	August 2018 Boston, MA January 2018 National Harbor, MD	
	Institute for Theory and Computation (Harvard-CfA) Stars and Planets Seminar (Invited)	March 2017 Cambridge, MA	
	American Museum of Natural History Astronomy Seminar	March 2017 New York, NY	
	Space Telescope Science Institute Exoplanets, Star and Planet Formation Seminar	March 2017 Baltimore, MD	
	University of Texas-Austin Stars Seminar (Invited)	October 2016 Austin, TX	
	Cool Stars 19 Contributed Talk	June 2016 Uppsala, Sweden	
Mentoring Experience	 Mentor Training Developed and facilitated a mentor training seminar for professor advising TAURUS Scholars TAURUS Advising 		
	TAURUS Advising Summer 2021• Advised Mikayla Wilson on a project to characterize a solar-mass eclipsing binary using <i>TESS</i> light curves and near-infrared spectra from the IGRINS spectrograph on Gemini South, will present at Summer AAS (240) and publish a RNAAS		
	 TAURUS & NSF REU Advising Advisor to two students (Miguel Gutierrez, Victoria Catlett) on a tracing emission lines in NIR spectra, both attended the 235th V 	- •	