

## Refereed Publications

- “The Identification of Hydrogen-deficient Cataclysmic Variable Donor Stars,” Harrison, T. E. 2018, *ApJ*, 861, 102
- “An Assessment of *Gaia* DR2 Parallaxes,” Benedict, G. F., McArthur, B. E., & Harrison, T. E. 2018, *RNAAS*, 2, 22
- “A Mass for  $\gamma$  Cep Ab,” Benedict, G. F., Harrison, T. E., Endl, M., & Torres, G. 2018, *RNAAS*, 2, 7.
- “The Magnetic Field Strength and Probable Orbital Period for the Polar RX J0502.8+1624,” Harrison, T. E. 2018, *RNAAS*, 2, 5
- “Infrared Observations of Southern Classical Novae 1991 to 1992,” Harrison, T. E., & Johnson, J. J. 2018, arXiv180311219
- “The Detection of Discrete Cyclotron Emission Features in Phase-Resolved Optical Spectroscopy of V1500 Cygni,” Harrison, T. E., & Campbell, R. K. 2018, *MNRAS*, 474, 1572
- “A Refined Radial Velocity Curve for the L Dwarf Donor of WZ Sagittae,” Harrison, T. E. 2017, *PASP*, 129, 1.
- “Determinations of the  $^{12}\text{C}/^{13}\text{C}$  Ratio for the Secondary Stars of AE Aquarii, SS Cygni, and RU Pegasi,” Harrison, T. E., & Marra, R. E. 2017, *ApJ*, 843, 152
- “HD 202206: A Circumbinary Brown Dwarf System,” Benedict, G. F. & Harrison, T. E. 2017, *AJ*, 153, 258
- “Testing Metal-Poor Stellar Models and Isochrones with HST Parallaxes of Metal-Poor Stars,” Chaboyer, B., et al. 2017, *ApJ*, 835, 152
- “Abundance Derivations for the Secondary Stars in Cataclysmic Variables from Near-Infrared Spectroscopy,” Harrison, T. E. 2016, *ApJ*, 833, 14
- “Astrometry with Hubble Space Telescope Fine Guidance Sensors - A Review,” Benedict, G. F. et al. 2016, *PASP*, 129, 1
- “The Apparent Synchronization of V1500 Cygni,” Harrison, T. E., & Campbell, R. K. 2016, *MNRAS*, 459, 4161
- “Direct Detection of the L-Dwarf Donor in WZ Sagittae,” Harrison, T. E. 2016, *ApJ*, 816, 4
- “Quantifying the Carbon Abundances in the Secondary Stars of SS Cygni, RU Pegasi, and GK Persei,” Harrison, T. E., & Hamilton, R. T. 2015, *AJ*, 150, 142.
- “The WISE Light Curves of Polars,” Harrison, T. E., & Campbell, R. K. 2015, *ApJS*, 219, 32
- “The WISE Light Curves of Z Camelopardalis During Outburst: Evidence for Synchrotron Emission?,” Harrison, T. E. 2014, *ApJ*, 791, L18

## Refereed Publications

- “*Herschel* Observations of Circinus X-1 During Outburst and Quiescence”, Harrison, T. E., et al. 2014, *AJ*, 148,1
- “Phase-Resolved Infrared Spectroscopy and Photometry of V1500 Cygni, and a Search for Similar Old Classical Novae”, Harrison, T. E., et al. 2013, *AJ*, 146, 37
- “*Hubble Space Telescope* Fine Guidance Sensor Parallaxes for Four Classical Novae”, Harrison, T. E., et al. 2013, *ApJ*, 767, 7
- “*Herschel* Observations of Cataclysmic Variables”, Harrison, T. E., et al. 2013, *AJ*, 145, 19
- “*Kepler* Cycle 1 Observations of Low Mass Stars: New Eclipsing Binaries, Single Star Rotation Rates, and the Nature and Frequency of Starspots”, Harrison, T. E., et al. 2012, *AJ*, 143, 4.
- “A Search for an Intermediate Mass Black Hole in the Core of the Globular Cluster NGC 6266”, McNamara et al. 2012, *ApJ*, 745, 175
- “Distance Scale Zero Points from Galactic RR Lyrae Star Parallaxes”, Benedict, G. F., et al. 2011, *AJ*, 142, 187.
- “The Internal Proper Motions of Stars in the Open Cluster M35”, McNamara, B. J., et al. 2011, *AJ*, 142, 53.
- “*Spitzer* Observations of GX17+2: Confirmation of a Periodic Synchrotron Source”, Harrison, T. E., et al. 2011, *ApJ*, 736, 54.
- “Astrometry with the *Hubble Space Telescope*: Trigonometric Parallaxes of Selected Hyads”, McArthur, B. E., et al. 2011, *AJ*, 141, 172.
- “GALEX and Optical Observations of GW Librae during the Long Decline from Superoutburst”, Bullock, E., et al. 2011, *AJ*, 141, 84.
- “Infrared Spectroscopic Observations of the Secondary Stars of Short-period Sub-gap Cataclysmic Variables”, Hamilton, R. T., et al. 2011, *ApJ*, 728, 16.
- “Low-mass Eclipsing Binaries in the Initial *Kepler* Data Release”, Coughlin, J. L., et al. 2011, *AJ*, 141, 78.
- “Modeling Multi-wavelength Stellar Astrometry. II. Determining Absolute Inclinations, Gravity-darkening Coefficients, and Spot Parameters of Single Stars with SIM Lite”, Coughlin, J. L., et al. 2010, *ApJ*, 723, 1351.
- “*Spitzer* Observations of Black Hole Low-mass X-ray Binaries: Assessing the Non-stellar Infrared Component”, Gelino, D. M., Gelino, C. R., & Harrison, T. E., 2010, *ApJ*, 717, 776.

## Refereed Publications

- “Modeling Multi-wavelength Stellar Astrometry. I. SIM Lite Observations of Interacting Binaries”, Coughlin, J. L., et al. 2010, ApJ, 717, 776.
- “Analyzing the Low State of EF Eridani with Hubble Space Telescope Ultraviolet Spectra”, Szkody, P., et al. 2010, ApJ, 716, 1531.
- “The Mass of HD 38529c from Hubble Space Telescope Astrometry and High-precision Radial Velocities”, Benedict, G. F., et al. 2010, AJ, 139, 1844
- “K-band Spectroscopy of (Pre-)Cataclysmic Variables: Are Some Donor Stars Really Carbon Poor?”, Howell, S. B., et al. 2010, AJ, 139, 1771.
- “GALEX and Optical Light Curves of WX LMi, SDSSJ103100.5+202832.2, and SDSSJ121209.31+013627.7”, Linnell, A. P., et al. 2010, ApJ, 713, 1183.
- “Additional *Spitzer* IRS Spectroscopy of Three Intermediate Polars: The Detection of a Mid-Infrared Synchrotron Flare from V1223 Sagittarii”, Harrison, T. E., et al. 2010, ApJ, 710, 325.
- “The Mass of the Candidate Exoplanet Companion to HD 136118 from Hubble Space Telescope Astrometry and High-Precision Radial Velocities”, Martioli, E., et al. 2010, ApJ, 708, 625.
- “Near-infrared survey of high mass X-ray binary candidates”, Torrejon, J. M., et al. 2010, A&A, 510, 61.
- “The Mass of the Candidate Exoplanet Companion to HD136118 From Hubble Space Telescope Astrometry, and High-Precision Radial Velocities”, Martioli, E., et al. 2010, ApJ, 708, 625
- “Astrometry with the Hubble Space Telescope: Trigonometric Parallaxes of the Planetary Nebula Nuclei NGC 6853, NGC 7293, Abell 31, and DeHt 5”, Benedict, G. F., et al. 2009, AJ, 138, 1969
- “A Possible Period for the K-Band Brightening Episodes of GX 17+2”, Bornak, J., et al. 2009, ApJ, 701, L110
- “Automated Variable Star Classification Using the Northern Sky Variability Survey”, Hoffman, D. I., Harrison, T. E., & McNamara, B. J. 2009, AJ, 138, 466
- “Infrared Photometry and Spectroscopy of VY Aqr and EI Psc: Two Short-Period Cataclysmic Variables with Curious Secondary Stars”, Harrison, T. E., et al. 2009, AJ, 137, 4061
- “Optical and Infrared Observations of Two Magnetic Interacting Binaries: Tau 4 (RXJ0502.8+1624) & SDSS J121209.31+013627.7”, Howell, S. B., et al. 2008, AJ, 136, 2541
- “New  $\beta$  Lyrae and Algol Candidates from the Northern Sky Variability Survey”, Hoffman, D. I., et al.

## Refereed Publications

2008, AJ, 136, 1067

- “GALEX, Optical, and Infrared Light Curves of MQ Dra: UV Excesses at Low Accretion Rates”, Szkody, P., et al. 2008, ApJ, 683, 967
- “Cyclotron Modeling Phase-Resolved Infrared Spectroscopy of Polars I: EF Eridani”, Campbell, R. K., Harrison, T. E., Schwobe, A. D., & Howell, S. B. 2008, ApJ, 672, 531
- “Cyclotron Modeling Phase-Resolved Infrared Spectroscopy of Polars II: EQ Ceti, AN Ursa Majoris, and VV Puppis”, Campbell, R. K., Harrison, T. E., Mason, E., Howell, S. B., & Schwobe, A. D. 2008, ApJ, 678, 1304
- “Cyclotron Modeling Phase-Resolved Infrared Spectroscopy of Polars III: AM Herculis and ST Leo Minoris”, Campbell, R. K., Harrison, T. E., & Kafka, S. 2008, ApJ, 683, 409
- “The Mass of the Candidate Exoplanet Companion to HD 33636 from Hubble Space Telescope Astrometry and High-Precision Radial Velocities”, Bean, J. L., et al. 2007, AJ, 134, 749
- “*Spitzer* Space Telescope Observations of Magnetic Cataclysmic Variables: Possibilities for the Presence of Dust in Polars”, Brinkworth, C. S., et al. 2007, ApJ, 659, 1541
- “*Spitzer* IRS Spectroscopy of Intermediate Polars: Constraints on Mid-Infrared Cyclotron Emission”, ApJ, 656, 444
- “Searching for Low-Mass Binary Companions in M35 Using the Fine Guidance Sensors of the Hubble Space Telescope”, McNamara, B. J., et al. 2007, AJ, 133, 394
- “The Nature of the Secondary Star in the Black Hole X-Ray Transient V616 Mon (+A0620-00)”, Harrison, T. E., et al. 2007, AJ, 133, 162
- “The Case for Third Bodies as the Cause of Period Changes in Selected Algol Systems”, Hoffman, D. I., et al. 2006, AJ, 132, 2260
- “Mass Determination and Detection of the Onset of Chromospheric Activity for the Substellar Object in EF Eri”, Howell, S. B., et al. 2006, ApJ, 652, 709
- “GALEX and Optical Light Curves of EF Eridanus During a Low State: The Puzzling Source of Ultraviolet Light”, Szkody, P., et al. 2006, ApJ, 646, 147
- “First *Spitzer* Space Telescope Observations of Magnetic Cataclysmic Variables: Evidence of Excess Emission at 3 - 8  $\mu\text{m}$ ”, Howell, S. B., et al. 2006, ApJ, 646, 65
- “The Nature of the Faint Chandra X-Ray Sources in the Galactic Center”, Ruiter, A. J., Belczynski, K., & Harrison, T. E. 2006, AJ, 131, 2216

## Refereed Publications

- “Early Infrared Spectral Development of V1187 Scorpii (Nova Scorpii 2004 No. 2)”, Lynch, D. K., et al. 2006, ApJ, 638, 987
- “The Optical Counterpart to the Peculiar X-Ray Transient XTE J1739-302”, Negueruela, I., et al. 2006, ApJ, 638, 982
- “XTE 1739032 as a Supergiant Fast X-Ray Transient”, Smith, D. M., et al. 2006, ApJ, 638, 974
- “A Multi-Wavelength Study of AM Herculis During the 2002-2004 Low States”, Kafka, S., et al. 2005, AJ, 130, 2852
- “Why Are the Secondary Stars in Polars so Normal?”, Harrison, T. E., Howell, S. B., Szkody, P., & Cordova, F. A. 2005, ApJ, 632, L123.
- “The Detection of Abundance Anomalies in the Infrared Spectra Secondary Stars of Cataclysmic Variables: Shorter Period Systems”, Harrison, T. E., Osborne, H. L., & Howell, S. B., 2005, AJ, 129, 2400.
- “Monitoring the Mass Accretion Rate in Scorpius X-1 Using the Optical Johnson B Filter”, McNamara, B. J., et al. 2005, ApJ, 623, 1070
- “Phase-Resolved Infrared H- and K-band Spectroscopy of EF Eridani”, Harrison, T. E., Howell, S. B., Szkody, P., Homeier, D., Johnson, J. J., & Osborne, H. L. 2004, ApJ, 614, 947.
- “The Detection of  $^{13}\text{CO}$  and Other Apparent Abundance Anomalies in the Secondary Stars of Long-Period Cataclysmic Variables”, Harrison, T. E., Osborne, H. L., & Howell, S. B., 2004, AJ, 127, 3493
- “An HST Parallax of the Distant Cataclysmic Variable V1223 Sgr, its System Parameters, and Accretion Rate”, Beuermann, K., Harrison, T. E., McArthur, B. E., Benedict, G. F., Gänsicke, B. T. 2004, A&A, 4129. 291
- “Keck Infrared Spectroscopy of WZ Sagittae: Detection of Molecular Emission from the Accretion Disk”, Howell, S. B., Harrison, T. E., Szkody, P. 2004, ApJ, 602, L49.
- “The Dynamical Distance to M15: Estimates of the Cluster's Age and Mass, and of the Absolute Magnitude of Its RR Lyrae Stars”, McNamara, B. J., Harrison, T. E., Bumgardt, H. 2004, ApJ, 602, 264.
- “An Astrometric Calibration of the  $M$ - $P_{orb}$  Relationship for Cataclysmic Variables based on Hubble Space Telescope Fine Guidance Sensor Parallaxes”, Harrison, T. E., Johnson, J. J., McArthur, B. E., Benedict, G. F., Szkody, P., Howell, S. B., & Gelino, D. M.. 2004, AJ, 127, 460.

## Refereed Publications

- “J0422+32: The Lowest Mass Black Hole?”, Gelino, D. M., & Harrison, T. E., 2003, ApJ, 599, 1254.
- “The Parallax of EX Hydrae”, Beuermann, K., Harrison, T. E., McArthur, B. E., Benedict, G. F., Gänsicke, B. T. 2003, A&A, 412, 821.
- “Astrometry with The Hubble Space Telescope: A Parallax of the Central Star of the Planetary Nebula NGC 6853”, Benedict, G. Fritz, McArthur, B. E., Fredrick, L. W., Harrison, T. E., Skrutskie, M. F., Slesnick, C. L., Rhee, J.; Patterson, R. J., Nelan, E.; Jefferys, W. H., 2003, AJ, 126, 2549
- “Does M15 Possess an Intermediate-Mass Black Hole in Its Core?”, McNamara, B. J., Harrison, T. E., Anderson, J. 2003, AJ, 595, 187.
- “XTE J1739-302”, Smith, D. M., Heindl, W. A., Swank, J. H., Harrison, T. E., Negueruela, I. 2003, Astronomical Telegram 182, 1
- “Modeling the Remarkable Multi-Wavelength Light Curve of EF Eridanus: The Detection of its Irradiated Brown Dwarf-like Secondary Star”, Harrison, T. E., Howell, S. B., Huber, M. E., Osborne, H. L., Holtzman, J. A., Cash, J. L., & Gelino, D. M. 2003, AJ, 125, 2609.
- “The Behavior of the Optical and X-Ray Emission from Sco X-1”, McNamara, B. J., et al. 2003, AJ, 125, 1437.
- “Astrometry with the Hubble Space Telescope: A Parallax of the Fundamental Distance Calibrator  $\delta$  Cephei”, Benedict, G. F., et al. 2002, AJ, 124, 1695.
- “Time-Resolved, Multi-color Photometry and Spectroscopy of Virgo 4 (= OU Vir): A High Orbital Inclination, Short Period Dwarf Nova”, Mason, E., Howell, S. B., Szkody, P., Harrison, T. E., Holtzman, J. A., & Hoard, D. W. 2002, A&A, 396, 633.
- “The Origin of Cyclic Period Changes in Close Binaries: The Case of the Algol Binary WW Cygni”, Zavala, R. T., et al. 2002, AJ, 123, 450.
- “Astrometry with the Hubble Space Telescope: A Parallax of the Fundamental Distance Calibrator RR Lyrae”, Benedict, G. F., et al. 2002, AJ, 123, 473.
- “A Multiwavelength, Multi-epoch Study of the Soft X-Ray Transient Prototype, V616 Monocerotis (A0620-00)”, Gelino, D. M., Harrison, T. E., Orosz, J. A. 2001, AJ, 122, 2668.
- “Infrared Observations of Nova Muscae 1991: Black Hole Mass Determinations from Ellipsoidal Variations”, Gelino, D. M., Harrison, T. E., & McNamara, B. J. 2001, AJ, 122, 971.
- “Infrared Observations of AR Ursae Majoris: Modeling the Ellipsoidal Variations”, Howell, S. B., Gelino, D. M., & Harrison, T. E. 2001, AJ 121, 482.

## Refereed Publications

- “Interferometric Astrometry with Hubble Space Telescope Fine Guidance Sensor 3: The Parallax of the Cataclysmic Variable TV Columbae”, McArthur, B. E., et al. 2001, *ApJ*, 560, 907.
- “The Spectroscopic and Astrometric Parallaxes of Three Dwarf Novae: The Nature of the Secondary Stars of U Geminorum, SS Aurigae, and SS Cygni”, Harrison, T. E., McNamara, B. J., Szkody, P., & Gilliland, R. L. 2000, *AJ*, 120, 2649
- “HST Fine Guidance Sensor Astrometric Parallaxes for Three Dwarf Novae: SS Aurigae, SS Cygni, and U Geminorum”, Harrison, T. E., et al. 1999, *ApJ*, 515, L93.
- “Optical Light Curve of the Type Ia Supernova 1998bu in M96 and the Supernova Calibration of the Hubble Constant”, Suntzeff, N. B., et al. 1998, *AJ*, 117, 1175.
- “The Optical Counterparts of Gamma-Ray bursts”, McNamara, B. J., & Harrison, T. E. 1998, *Nature*, 396, 233.
- “A Multi-Year Light Curve of Scorpius X-1 Based on CGRO BATSE Spectroscopy Detector Observations”, McNamara, B. J., & Harrison, T. E., et al. 1998, *ApJ Supplement*, 116, 287.
- “High Energy Transient Events From Cygnus X-1 and Scorpius X-1: Evidence for a Source of Galactic Gamma-Ray Bursts”, Mason, P. A., McNamara, B. J., & Harrison, T. E. 1997, *AJ*, 114, 238.
- “Optical Photometry of the X-ray Novae GU Mus (= Nova Muscae 1991) and V518 Per (=GRO J0422+32)”, King, N. L., Harrison, T. E., & McNamara, B. J., 1996, *AJ*, 111, 1675.
- “Ground-Based Gamma-ray Burst Follow-up Efforts: Results of the First Two Years of the BATSE/COMPTEL/NMSU Rapid Response Network”, McNamara, B. J., et al. 1996, *ApJ Supp.*, 103, 173.
- “ROSAT Observations of Gamma-Ray Burst Error Boxes II. GRB910814 and GRB920525”, Harrison, T. E., et al. 1996, *AJ*, 112, 216.
- “A Near-Infrared Survey of Old Novae II: CK Vulpeculae and V605 Aquilae”, Harrison, T. E. 1996, *PASP*, 108, 1112.
- “Directions for Future X-ray, Optical, and Radio Follow-up Observations of Gamma-Ray Burst Counterparts”, McNamara, B. J., Harrison, T. E., & Williams, C. L. 1995, *ApJ*, 452, L25.
- “Gamma-Ray Bursts Localized to within 0.25 Square Degree. II. Correlation with Galactic Objects and X-ray Sources”, Harrison, T. E., Webber, W. R., & McNamara, B. J. 1995, *AJ*, 110, 2216.
- “Preliminary Results from the Ground-based BATSE/COMPTEL/NMSU Rapid Response Network for GRB940301”, Harrison, T. E., et al. 1995, *A&A*, 297, 465.

## Refereed Publications

- “Gamma-Ray Bursts Localized to within 0.25 Square Degree. A. Correlation with Extra-Galactic Objects”, Webber, W. R., Harrison, T. E., McNamara, B. J., & Lopez, A. 1995, AJ, 110, 773.
- “X-Ray and Optical Observations of the Error Box of GRB910601”, McNamara, B. J., et al. 1995, AJ, 110, 232.
- “COMPTEL Detection of Two Spatially-Coincident  $\gamma$ -ray Bursts”, Kippen, R. M. et al. 1994, A&A, 293, L5.
- “The Extraction of Discrete Flux Measurements and Continuous Light Curves from the CGRO/BATSE Spectroscopy Detector Datasets”, McNamara, B. J., Harmon, B. A., & Harrison, T. E., 1995, A&AS, 111, 587.
- “Infrared Photometry and Spectrophotometry of Nova Herculis 1991 (=V838 Her): Observations of the Formation in the Ejecta of a Very Fast Nova”, Harrison, T. E., & Stringfellow, G. S. 1994, ApJ, 437, 827.
- “Infrared Polarimetry in the Chamaeleon I Dark Cloud”, McGregor, P. J., Harrison, T. E., Hough, J. H., & Bailey, J. A. 1994, MNRAS, 267, 755.
- “Rapid Searches for Counterparts of GRB 930131”, Schaefer, B. E., et al. 1994, ApJ, 422, L71.
- “IRAS Observations of Novae IV: Modeling Source Confusion”, Harrison, T. E., & Gehrz, R. D., 1994, AJ, 108, 1899.
- “Optical Studies of  $\gamma$ -Ray Burst Fields III.: GRB790613 and GRB781124”, Harrison, T. E., McNamara, B. J., & Klemola, A. R. 1994, AJ, 108, 600.
- “Optical Studies of Gamma-Ray Bursts II: The Superbowl-Burst, GRB930131”, McNamara, B. J., & Harrison, T. E., 1994, AJ, 107, 1825.
- “Optical Studies of Gamma-Ray Burst Fields I.: GRB790329”, Harrison, T. E., McNamara, B. J., & Klemola, A. R., 1994, AJ, 107, 254.
- “Infrared Observations of the Recurrent Novae V745 Sco and V3890 Sgr”, Harrison, T. E., Johnson, J. J., & Spyromilio, J. S., 1993, AJ, 105, 320.
- “The Peculiar Infrared Temporal Development of Nova Vulpeculae 1987 (QU Vul)”, Gehrz, R. D., Jones, T. J., Harrison, T. E., Woodward, C. E., Benson, J., Greenhouse, M. A., Hayward, T. L., & Wagner, R. M., 1992, ApJ, 400, 671.
- “A Near-Infrared Survey of Old Novae-I. The Discovery of a Candidate Recurrent Nova”, Harrison, T. E., 1992, MNRAS, 259, 17p.



## Refereed Publications

- “IRAS Observations of Novae III.: The Related Objects”, Harrison, T. E., & Gehrz, R. D., 1992, AJ, 103, 243.
- “IRAS Observations of Novae II.: Modeling the Detections”, Harrison, T. E., & Gehrz, R. D., 1991, AJ, 101, 587.
- “The Infrared Spectrum of Comet Bradfield (1987s) and the Silicate Emission Feature”, Hanner, M. S., Newburn, R. L., Gehrz, R. D., Harrison, T. E., Ney, E. P., & Hayward, T. L., 1990, ApJ, 348, 312.
- “Photometry of Variable AFGL Sources”, Jones, T. J., Bryja, C. O., Gehrz, R. D., Harrison, T. E., Johnson, J. J., & Klebe, D. I., Lawrence, G. F., 1990, ApJS, 73, 785.
- “The Modeling of IRAS Detections of Novae and Related Objects”, Harrison, T. E., 1989, PhD. Thesis, University of Minnesota
- “A Survey of IRAS Data on 41 Classical Novae”, Harrison, T. E., & Gehrz, R. D., 1988, AJ, 96, 1001.
- “PW Vulpeculae: A Dust Poor DQ Herculis?”, Gehrz, R. D., Harrison, T. E., Ney, E. P., Matthews, K., Neugebauer, G., Elias, J., Grasdalen, G. L., & Hackwell, J. A., 1987, ApJ, 329, 894.