

# Matt A. Wood

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## Education

- 1990-1991 **NSF/NATO Postdoctoral Fellow**, *Universit'e de Montr'el*
- May 1990 **Ph.D.**, *Astronomy*, The University of Texas at Austin
- Dec 1985 **M.S.**, *Astronomy*, The University of Texas at Austin
- May 1983 **B.S.**, *Physics*, Iowa State University

## Experience

- 2021–present **Regents Professor**, *Physics & Astronomy*, East Texas A&M University
- 2019–2021 **Professor**, *Physics and Astronomy*, East Texas A&M University
- 2017–2019 **Vice Provost for Research and Dean of Graduate Studies**, East Texas A&M University
- 2012–2017 **Department Head and Professor**, *Physics & Astronomy*, East Texas A&M University
- 2004–2012 **Professor**, *Physics & Space Sciences*, Florida Institute of Technology
- 1996–2004 **Associate Professor**, *Physics & Space Sciences*, Florida Institute of Technology
- 1991–1996 **Assistant Professor**, *Physics & Space Sciences*, Florida Institute of Technology

## Awards and Recognition

- Regents Professor Award, Texas A&M University System, 2021
- Dr. Harry Wade Senior Faculty Award, Spring 2021
- Faculty Senate Professional Service Award, 2020
- Awarded Outstanding Department Head Award by the Faculty Senate, 2015
- East Texas A&M Distinguished Principal Investigator for Excellence in Research, 2014

## Professional Organizations

- American Astronomical Society
- American Physical Society
- American Association of Physics Teachers
- Royal Astronomical Society
- American Association of Variable Star Observers

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## Grants (\$2.8M as PI; \$1.1M at TAMUC since 2012)

- 2017–2020 **NSF AST-MRI**, *MRI: Acquisition of a 0.7-m Research Grade Telescope for Texas A&M University-Commerce*, \$338,169
- 2013–2016 **NSF AST-MRI**, *MRI Consortium: Acquisition of Remote Observing Instrumentation for the Southeastern Association for Research in Astronomy Jacobus Kapteyn 1.0m Telescope*, \$473,950
- 2014 **APS Intl. Travel Grant**, *Visiting Scientist at University of Cape Town*, \$2,000
- 2013–2016 **NSF PHY-REU**, *REU Site in Physics and Astronomy at Texas A&M University-Commerce*, \$286,945, Co-PI
- 2012–2015 **NASA Kepler Mission**, *Cataclysmic Variables in the Kepler Field*, \$29,522
- 2011–2015 **NSF Stellar Astronomy & Astrophysics**, *Kepler Field Cataclysmic Variables and the Nature of Astrophysical Plasma Viscosity*, \$224,720
- 2010–2012 **NSF AST-REU**, *The Southeastern Association for Research in Astronomy REU Summer Intern Program*, \$385,858
- 2006–2010 **NSF AST-REU**, *The Southeastern Association for Research in Astronomy REU Site Program*, \$478,180
- 2004–2006 **NSF AST-MRI**, *Acquisition of a Small Telescope for Astronomical Research: Florida Tech's Rising STAR Project*, \$347,040
- 2002–2005 **NSF Stellar Astronomy & Astrophysics**, *Understanding Cataclysmic Variable Accretion Disk Dynamics and Viscosity*, \$62,800
- 2001–2006 **NSF AST-REU**, *The SARA REU Site Program*, \$461,200
- 1999–2000 **NSF DUE-ILI**, *Computational Physics at Florida Tech*, \$15,516
- 1995–2000 **NASA Astrophysics Theory Program**, *White Dwarf Astrophysics and the Age and Evolution of the Galaxy*, \$173,000
- 1992–1996 **NSF Stellar Astronomy & Astrophysics**, *White Dwarf Evolution and the Local Star Formation History*, \$69,500

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## Professional Leadership Development

- *NCURA Fundamentals I Research Administration Workshop*, February 12–14, Scottsdale, Arizona.
- *PRIME&R Advancing Ethical Research Conference*, November 5–8, 2017, San Antonio, Texas.
- *APS National Mentoring Community Conference*, October 21–23, 2016, Houston, Texas.
- *AAPT-APS Building a Thriving Physics Department Conference*, February 6–8, 2015, Seattle, Washington.
- *AAPT-APS Physics Department Chairs Conference*, June 6–8, 2014, College Park, Maryland.

- *Decision Points for Academic Leaders: Ethics, Policy, and Leadership*, July 11–12, 2013, College Station, Texas.

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## Teaching Experience

- Calculus-Based Physics I: Mechanics
- Calculus-Based Physics II Electricity and Magnetism
- Modern Physics
- Waves, Acoustics, and Optics
- Computational Physics with Python (undergraduate and graduate level)
- Astrophysics 1: Stellar Structure and Evolution (taught both at undergraduate and graduate levels)
- Astrophysics 2: Galactic Structure and Cosmology (both undergraduate and graduate levels)
- Astronomy and Astrophysics for Educators (graduate level)
- Stars, Galaxies and the Universe
- Solar System
- Introductory Astronomy Laboratory
- Methods & Instrumentation in Astronomy
- Introduction to Plasma Physics
- Physics of the Atmosphere
- White Dwarf Stars and Accretion Phenomena in Astrophysics (Graduate)
- Musical Acoustics: The Science of Sound
- Advanced Electricity and Magnetism
- Integrated Science I and II

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## Visiting Scientist

- Radboud University, Nijmegen, The Netherlands
- Mauna Kea Observatory
- Kitt Peak International Observatory
- Keck Observatory
- Hubble Space Telescope
- McDonald Observatory
- International Ultraviolet Explorer Satellite

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## Publications:

Total Refereed: 88

Non-Refereed: 81

h-index: 44

### Book and Book Chapter

- 1) Wood, M. A. “Numerical Techniques in Astrophysics” 2012, Planets, Stars, and Stellar Systems (Springer), Vol 2: Astronomical Techniques, Software and Data, 481
- 2) Wood, M. A., “Python & Matplotlib Essentials for Scientists and Engineers” 2015, Morgan & Claypool Publishers, doi: 10.1088/978-1-6270-5620-5. Online ISBN: 978-1-6270-5620-5. Print ISBN: 978-1-6270-5619-9.
- 3) Ogunc, A., Scholten, P., and Wood, M. A. “Using Python for Principles of Econometrics, 5<sup>th</sup> Edition” in preparation.

### Refereed Publications

- 1) Wood, M.A., Winget, D.E., Nather, R.E., Hessman, F.V., Liebert, J. Kurtz, D.W., Wesemael, F., and Wegner, G. “The Exotic Helium Variable PG 1346+082,” 1987, *ApJ*, 313, 757.
- 2) Robinson, E.L., Shafter, A.W., Hill, J.A., Wood, M.A., and Mattei, J.A. “Detection of Superhumps and Quasi-Periodic Oscillations in the Light Curve of the Dwarf Nova SW Ursae Majoris,” 1987, *ApJ* 313, 772.
- 3) Winget, D.E., et al. (includes Wood, M.A.) “Discovery of a Massive Non-Luminous Orbital Companion to the White Dwarf G29-38,” 1990 *ApJ* 357, 630.
- 4) Tamanaha, C.M., Silk, J., Wood, M.A., and Winget, D.E. “The White Dwarf Luminosity Function: A Possible Probe of the Galactic Halo,” 1990 *ApJ* 358, 164.
- 5) Wood, M.A. “White Dwarf Stars and the Age of the Galactic Disk,” 1990 *J. Can. Roy. Ast. Soc.*, 84, 150.
- 6) Winget, D.E., et al. (includes Wood, M.A.) “Asteroseismology of the DOV Star PG1159–035 with the Whole Earth Telescope,” 1991 *ApJ* 378, 326.
- 7) Kepler, S.O., et al. (includes Wood, M.A.) “A Measurement of the Evolutionary Timescale of the Cool White Dwarf G117-B15A with the Whole Earth Telescope,” 1991, *ApJ Letters*, 378, L45.
- 8) Wood, M.A. “Constraints on the Age and Evolution of the Galaxy from the White Dwarf Luminosity Function,” 1992, *ApJ* 386, 539.
- 9) Clemens, J.C., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of V471 Tauri - The Nature of the White Dwarf Variations” 1992, *ApJ* 391, 773.

- 10) Bradley, P.A., Winget, D.E., and Wood, M.A. “Maximum Rates of Period Change for DA White Dwarf Models with Carbon and Oxygen Cores” 1992, ApJ Letters, 391, L33.
- 11) Wood, M.A., and Oswalt, T. D. “The Binary System L151-81: a Test of Accretion Theory” 1992, ApJ Letters, 394, L53.
- 12) Bradley, P.A., Winget, D.E., and Wood, M.A. “The Potential for Asteroseismology of DB White Dwarf Stars” 1993, ApJ 406, 661.
- 13) Winget, D. E., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of the DBV White Dwarf GD 358” 1994, ApJ 430, 839.
- 14) Bergeron, P., Wesemael, F., Beauchamp, A., Wood, M.A., Lamontagne, R., Fontaine, G., and Liebert, J. 1994, “A Spectroscopic Analysis of DAO and Hot DA White Dwarfs: The Implications of the Presence of Helium and The Nature of DAO Stars” ApJ 432, 305.
- 15) Kleinman, S.J. et al. (includes Wood, M.A.) “Observational Limits on Companions to G29–38” 1994, ApJ 436, 875.
- 16) Breger, M.A., et al. (includes Wood, M.A.) “The  $\delta$  Scuti star FG Vir. I. Multiple pulsation frequencies determined with a combined DSN/WET campaign” 1995, A&A, 297, 473.
- 17) Muslimov, A.G., Van Horn, H.M., and Wood, M.A. “Magnetic Field Evolution in White Dwarfs: Complexity of the Magnetic Field and Hall Effect” 1994, Ap.J., 442, 758.
- 18) Provencal, J., et al. (includes Wood, M.A.) “The Unusual Helium Variable AM CVn” 1995, Ap.J., 445, 927.
- 19) Kepler, S.O., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of the DAV White Dwarf G226-29” 1995, Ap.J., 447, 874.
- 20) Kawaler, S.D. et al. (includes Wood, M.A.) “Whole Earth Telescope Observations and Seismological Analysis of the Pre-White Dwarf PG 2131+066” 1995, Ap.J., 450, 350.
- 21) Breger, M., et al. (includes Wood, M.A.) “The  $\delta$  Scuti star FG Vir. II. A search for high pulsation frequencies” 1996, A.&A., 309, 197.
- 22) Simpson, J. C., & Wood, M. A. “Classical Kinetic Theory Simulations Using Smoothed Particle Hydrodynamics” 1996, Phys. Rev. E, 54, 2077.
- 23) Oswalt, T., Smith, J.A., Wood, M. A., and Hintzen, P. “A Lower Limit of 9.5 Gyr on the Age of the Galactic Disk from the Oldest White Dwarf Stars” 1996, Nature, 382, 692.
- 24) Handler, G., et al. (includes Wood, M.A.) “New Whole Earth Telescope observations of CD-24 7599: steps towards  $\delta$  Scuti star seismology” 1997, MNRAS, 286, 303.
- 25) Provencal, J., et al. (includes Wood, M.A.) “Whole Earth Telescope Observations of the Helium Interacting Binary PG1346+082 (CR Boo)” 1997, Ap.J., 480, 383.

- 26) Richer, H.B., et al. (includes Wood, M.A.) “White Dwarfs in Globular Clusters: HST Observations of M4” 1997, Ap.J., 484, 741.
- 27) Kleinman, S.J., et al. (includes Wood, M.A.), “Understanding the Cool DA White Dwarf Pulsator, G29–38,” 1998, Ap.J., 495, 424.
- 28) O’Brien, M. S., et al. (includes Wood, M.A.), “Whole Earth Telescope Observations of the Pulsating Pre-White Dwarf PG0122+200: a Star Cooled by Neutrinos” 1988, Ap.J., 495, 458.
- 29) Wood, M.A., & Oswalt, T.D. “White Dwarf Cosmochronometry, I: Monte Carlo Simulations of Proper-Motion- and Magnitude-Limited Samples Using Schmidt’s  $1/V_{max}$  Estimator” 1998, Ap.J., 497, 870.
- 30) Simpson, J.C., & Wood, M.A. “Time-Series Energy Production in SPH Accretion Disks: Superhumps in the AM CVn Stars,” 1998, Ap.J., 506, 360.
- 31) Montgomery, M.H., Klumpe, E.W., Winget, D.E., & Wood, M.A. “Evolutionary Calculations of Phase Separation in Crystallizing White Dwarf Stars,” 1999, Ap.J., 525, 482-491.
- 32) Wood, M.A., Montgomery, M.M., & Simpson, J.C. “Smoothed Particle Hydrodynamics Simulations of Apsidal and Nodal Superhumps,” 2000, ApJ Letters, 535, L39.
- 33) Vuille, F., et al. (includes Wood, M. A.) “Normal modes and Discovery of High-Order Cross-Frequencies in the DBV White Dwarf GD 358,” 2000, MNRAS, 314, 689.
- 34) Handler, G., et al. (includes Wood, M. A.) “Delta Scuti Network Observations of XX Pyx: Detection of 22 Pulsation Modes and of Short-Term Amplitude and Frequency Variations,” 2000, MNRAS, 318, 511.
- 35) Handler, G, et al. (includes Wood, M.A.) “Time series photometry of the  $\delta$ -Scuti Star XX Pyxis,” 2000, J. Astrophys. Data, 6, 4A.
- 36) Wood, M.A., Oswalt, T.D., & Claver, C.F “Time series photometry of the  $\delta$ -Scuti Star XX Pyxis: G. SARA 0.9-m Observations,” 2000, J. Astrophys. Data, 6, 4G.
- 37) Silvestri, N. M., Oswalt, T. D., Wood, M. A., Smith, J. A., Reid, I. N., & Sion, E. M. “White Dwarfs in Common Proper Motion Binary Systems: Mass Distribution and Kinematics,” A.J., 2001, 121, 503.
- 38) Breger, M., Garrido, R., Wood, M.A., Shobbrook, R.R., Handler, G., Bishof, K.M., Rodler, F., Stankov, A., Martinez, P., O’Donoghue, D., Szabo, R., Gray, R., and Kaye, A. 2002 “29 Frequencies for the  $\delta$  Scuti Variable BI CMi: Results of the 1997-2000 Multisite Campaigns,” MNRAS, 329, 531-542.
- 39) Kurtz, D.K. et al. (includes Wood, M.A.) “Discovery of the Missing Mode in HR 1217 by the Whole Earth Telescope,” 2002, MNRAS, 330, 57-61
- 40) Vauclair, G. et al. (includes Wood, M.A.) “Astero-seismology of RXJ 2117+3412, the hottest pulsating PG 1159 star,” 2002, A&A, 381, 122-150.

- 41) Wood, M.A., Casey, M. J. Garnavich, P.M., & Haag, B. “Superhumps in The Helium Dwarf Nova KL Draconis,” 2002, MNRAS, 334, 87–93.
- 42) Handler, G., Metcalf, T.S., & Wood, M. A. “The Asteroseismological Potential of the Pulsating DB White Dwarf Stars CBS 114 and PG1456+103,” 2002, MNRAS, 335, 698-706.
- 43) Patterson, J., et al. (includes Wood, M. A.) “Superhumps in Cataclysmic Binaries. XXIII V442 Ophiuchi and RX J1643.7+3402,” 2002, PASP, 114, 1364-1381.
- 44) Handler, G. et al. (includes Wood, M. A.) “Amplitude and Frequency Variability of the Pulsating DB White Dwarf Stars KUV 05134+2605 and PG 1654+160 Observed with the Whole Earth Telescope” 2003, MNRAS, 340, 1031-1038
- 45) Schuh, S.L., et al. (includes Wood, M. A.) “2MASS J0516288+260738: Discovery of the First Eclipsing Late K+Brown Dwarf Binary System?” 2003, A&A, 410, 649-661
- 46) Kepler, S.O. et al. (includes Wood, M. A.) “The Everchanging Pulsating White Dwarf GD358” 2003, A&A, 401, 639-654
- 47) Mukadam, A. S. et al. (includes Wood, M. A.) “Constraining the Evolution of ZZ Ceti” 2003, ApJ, 594, 961-970.
- 48) Reed, M. D. et al. (includes Wood, M. A.) “The Evolution of a Hot Subdwarf: Observations of the Pulsating Subdwarf B Star Feige 48” 2004, MNRAS, 348, 1164-1174.
- 49) Castanheira, B. G. et al. (includes Wood, M. A.) “Observations of the Pulsating White Dwarf G 185-32” 2004, A&A, 413, 623.
- 50) Kurtz, D. W et al. (includes Wood, M. A.) “Pushing the ground-based limit: 14- $\mu$ mag photometric precision with the definitive Whole Earth Telescope Asteroseismic Data Set for the Oscillating Ap star HR 1217” 2005, MNRAS, 358, 651.
- 51) Wood, M. A. et al. “DQ Herculis in Profile: Whole Earth Telescope Observations and Smoothed Particle Hydrodynamics Simulations of an Edge-on Cataclysmic Variable System” 2005, ApJ 634, 570-584
- 52) Dolez, N., et al. (includes Wood, M. A.) “Whole Earth telescope observations of the ZZ eti Star HL Tau 76” 2006, A&A, 446, 237
- 53) Wood, M. A., Dolence, J., & Simpson J. C., “FITDisk: A Cataclysmic Variable Accretion Disk Demonstration Tool,” 2005, PASP, 118, 442
- 54) Vuckovic, M., et al. (includes Wood, M. A.) “Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG0014+067” 2006, ApJ 646, 1230
- 55) Hynes, R.I., et al. (includes Wood, M. A.) ‘Further Evidence for Variable Synchrotron Emission in XTE J1118+480 in Outburst,’ 2006, ApJ 651, 401
- 56) Fu, J.-N., et al. (includes Wood, M. A.) “Asteroseismology of the PG 1159 star PG 0122+200,” 2007, A&A, 467, 237

- 57) Wood, M. A. & Burke, C. J. “The Physical Origin of Negative Superhumps in Cataclysmic Variables,” 2007, ApJ 661, 1042
- 58) Vaccaro, T. R.; Rudkin, M.; Kawka, A.; Vennes, S.; Oswalt, T. D.; Silver, I.; Wood, M.; Smith, J. Allyn “LP 133-373: A New Chromospherically Active Eclipsing dMe Binary with a Distant, Cool White Dwarf Companion,,” 2007, ApJ 661, 1112
- 59) Rodriguez, E., et al. (includes Wood, M. A.) “ $\delta$  Sct stars in eclipsing binaries: the case of Y Cam,” 2007, Comm. Asteroseismology, 150, 63
- 60) Nitta, A., et al. (includes Wood, M. A.) “Doubling the number of DBVs and a closer look at their Instability Strip,” 2007, Comm. Asteroseismology, 150, 249
- 61) Sullivan et al. (includes Wood M. A.) “Whole Earth Telescope observations of the hot helium atmosphere pulsating white dwarf EC20058-5234,” 2008, MNRAS, 387, 137
- 62) Costa et al. (includes Wood, M. A.) “The Pulsation modes of the Pre-White Dwarf PG 1195-035,” 2008, A&A, 477, 627
- 63) Dolence, J., Wood, M. A., & Silver, I. M. “Smoothed Particle Hydrodynamics Simulations of Direct Impact Accretion in AM CVn Stars,” 2008, ApJ 683, 375
- 64) Handler, G., Romero-Colmenero, E., Provencal, J. L., Sanchawala, K., Wood, M. A., Silver, I., & Chen, W.-P. “The pulsating DA white dwarf star EC14012-1446: results from four epochs of time-resolved photometry,” 2008, MNRAS, 388, 1444
- 65) Wood, M. A., “Synthetic direct impact light curves of the ultracompact AM CVn binary systems V407 Vul and HM Cnc,” 2009, MNRAS, 395, 378
- 66) Wood, M. A., Thomas, D. M., & Simpson, J. C. “SPH simulations of negative (nodal) superhumps: a parametric study,” 2009, MNRAS, 298, 2110
- 67) Still, M., Howell, S. B., Wood, M. A., Cannizzo, J. K., & Smale, A. P. “Quiescent Superhumps Detected in the Dwarf Nova V344 Lyrae by Kepler,” 2010, ApJL, 717, L113
- 68) Rodriguez, E., et al. (includes Wood, M. A.) “ $\delta$  Sct-type pulsations in Eclipsing Binary Systems: Y Cam,” 2010, MNRAS, 408, 2149
- 69) Cannizzo, J. K., Still, M., Howell, S. B., Wood, M. A., Cannizzo, J. K., & Smale, A. P. “The Kepler Light Curve of V344 Lyrae: Constraining the Thermal-Viscous Limit Cycle Instability,” 2011, ApJ, 725, 1393
- 70) Redaelli, M., et al. (includes Wood, M. A.) “The Pulsations of PG 1351+489,” 2011, MNRAS, 415, 1220
- 71) Vauclair, G., et al. (includes Wood, M. A.) “The period and amplitude changes in the coolest GW Virginis variable star (PG 1159-type) PG 0122+200,” 2011, A&A, 528, A5
- 72) Vican, Laura, et al. (includes Wood, M.A.) “A Thousand Hours of GW Librae: The Eruption and Aftermath,” 2011, PASP, 123, 1156-1168



- 73) Wood, M. A., Still, M., Smale, A. P., Howell, S. B., Cannizzo, J. K. "V344 Lyrae: An SU UMa Cataclysmic Variable in the Kepler Field," 2011, ApJ, 741, 105
- 74) van Haften, L. M., Nelemans, G., Voss, R., Wood, M. A., & Kuijpers, J. "The Evolution of Compact X-Ray Binaries," 2012, A&A, 537, A104
- 75) Cannizzo, J. K., Smale, A. P., Wood, M. A., Still, M. D., & Howell, S. B. "The Kepler light curves of V1504 Cygni and V344 Lyrae: A study of the Outburst Properties," 2012, ApJ, 747, 117
- 76) Provencal, J. L., et al. (includes Wood, M. A.) "Empirical Determination of Convection Parameters in White Dwarfs. I. Whole Earth Telescope Observations of EC14012-1446," 2012, ApJ, 751, 91
- 77) Ramsay, G. Cannizzo, J. K., Howell, S. B., Wood, M. A., Still, M., Barclay, T., Smale, A. "Kepler observations of V447 Lyr: an eclipsing U Gem Cataclysmic Variable," 2012, MNRAS, 425, 1479
- 78) Howell, S. B., Everett, M. E., Seebode, S. A., Szkody, P., Still, M., Wood, M. A., Ramsay, Gavin, Cannizzo, J., Smale, A. "Spectroscopy of New and Poorly Known Cataclysmic Variables in the Kepler Field," 2013, AJ, 145, 109
- 79) Ramsay, G., Howell, S. B., Wood, M.A., Smale, A., Barclay, T. Seebode, S. A., Gelino, D., Still, M., Cannizzo, J. K. "BOKS 45906: a CV with an orbital period of 56.6 min in the Kepler field?," 2014, MNRAS, 438, 789
- 80) Thomas, D. M., & Wood, M. A. "The Emergence of Negative Superhumps in Cataclysmic Variables: Smoothed Particle Hydrodynamics Simulations," 2015, ApJ, 883, 55
- 81) Ramsay, G., Hakala, P., Wood, M. A, Howell, S. B, Smale, A., Still, M., & Barclay, T. 2015, "Continuous 'stunted' outbursts detected from the Cataclysmic Variable KIC 9202990 using Kepler data", MNRAS, 455, 277 (arXiv:1510.07448)
- 82) Cha, S.-H., & Wood, M. A. 2016, "GodunovSPH with Shear Viscosity: Implementation and Tests", MNRAS, 458, 480
- 83) Keel, W. C., Oswalt, T., Mack, P., Henson, G., Hillwig, T., Batcheldor, D., Berrington, R., De Pree, C., Hartmann, D., Leake, M., Licandro, J., Murphy, B., Webb, J., & Wood, M. A. 2017, "The Remote Observatories of the Southeastern Association for Research in Astronomy (SARA)", PASP, 129, 15002, arXiv:1608.06245
- 84) Boyd, D., de Miguel, E., Patterson, J., Wood, M., et al. (31 authors) 2017, "Observation and analysis of the eclipsing novalike variable DW Ursae Majoris during low and high states", MNRAS, 466, 3417
- 85) Ramsay, G., Wood, M. A., Cannizzo, J., Howell, S. & Smale, A. 2017 "V729 Sgr: A long period dwarf nova showing negative superhumps during quiescence," MNRAS, 469, 950
- 86) Patterson, J., et al. (includes Wood, M.A.), 2017, "OV Bootis: Forty Nights of World-Wide Photometry", JAAVSO, 45, 224

- 87) Patterson, J., et al. (includes Wood, M.A.), 2020 “The Spin-Period History of Intermediate Polars”, *ApJ*, 897, 70.
- 88) Ramsay, G., Hakala, P., and Wood, M. A., 2021 “Detection of an energetic flare from the M5V secondary star in the Polar MQ Draconis”, *MNRAS*, 504, 4072-4076.