

CURRICULUM VITAE

Name: Matthew A. Wood

Address: Department of Physics and Astronomy
Texas A&M University–Commerce
Tel: 903-886-5488
Email: Matt.Wood@tamuc.edu

Education: Ph.D., Astronomy: The University of Texas at Austin, May 1990
M.A., Astronomy: The University of Texas at Austin, Dec. 1985
B.Sci., Physics: Iowa State University, May 1983

Work Experience: 8/12 – Present Department Head & Professor
Department of Physics and Astronomy
Texas A&M University–Commerce

8/04 – 7/12 Professor
Department of Physics & Space Sciences
Florida Institute of Technology

8/96 – 7/04 Associate Professor
Florida Institute of Technology

6/91 – 7/96 Assistant Professor
Florida Institute of Technology

6/90 – 5/91 NSF–NATO Postdoctoral Fellow
Département de Physique
Université de Montréal

Societies: American Astronomical Society
International Astronomical Union
Royal Astronomical Society
Sigma Pi Sigma
Florida Academy of Sciences

Visiting Scientist: International Ultraviolet Explorer Satellite (NASA/Goddard)
Kitt Peak National Observatory
Mauna Kea Observatory
Keck Observatory
Hubble Space Telescope
McDonald Observatory

Proposal Reviewer: NSF / NASA / NOAO / NOVA (Dutch NSF)

Referee: *The Astrophysical Journal (Main Journal and Letters)*
Monthly Notices of the Royal Astronomical Society
Astronomy and Astrophysics
SCIENCE
Publications of the Astronomical Society of the Pacific
Astrophysics and Space Science

Major Grants:

PI on grants totaling USD \$1.9 million. Selected recent:

NASA Kepler Mission (PI)

“Cataclysmic Variables in the Kepler Field”

2012-2013 (\$29,522)

NSF Stellar Astronomy & Astrophysics (PI)

“Kepler Field Cataclysmic Variables and the Nature of Astrophysical Plasma Viscosity”

2011-2014 (\$224,720)

NSF REU SARA Site Program (PI)

“The Southeastern Association for Research in Astronomy REU Summer Intern Program”

2010-2012 (\$385,858)

NSF REU SARA Site Program (PI) *“The Southeastern Association for Research in Astronomy REU Site Program”*

2006-2010 (\$478,180)

NSF Major Research Instrumentation (Co-PI) *“Acquisition of a Small Telescope for Astron. Research: Florida Tech’s ‘Rising STAR Project”*

2004-2005 (\$347,000)

Courses Taught:

Physics 1 and 2

Computational Physics

Introduction to Space Sciences

Methods & Instrumentation in Astronomy

Astrophysics 1: Stellar Structure and Evolution

Astrophysics 2: Galactic Structure and Cosmology

Introduction to Plasma Physics

Physics of the Atmosphere

White Dwarfs and Accretion Phenomena in Astrophysics (Graduate)

Astrophysics 1: Stellar Structure and Evolution (Graduate)

Astrophysics 2: Galactic Structure and Cosmology (Graduate)

Other:

Coordinator and Host: Florida Tech Astronomy Public Lecture Series, 2005-2012 (visit youtube.com/fitastro)

Chair of Southeastern Assoc. for Research in Astron. (SARA) 1998-2000

Program Director, SARA-REU Summer Site Program, 1998-2012

Editor and founder of *JSARA*, a journal featuring undergraduate research results (visit www.jsara.org)

SARA Board Member, 1995-1998, 2000-2005

Florida Tech Space Sciences Curriculum Coordinator, 1993-2012

Florida Tech Chair of Comprehensive Exam Committee

Publications: Total Refereed: **78** Non-Refereed: **79** h-index: **31**

Full NASA ADS Listing at: <http://bit.ly/d7W3iG>

Refereed Publications*:

Note: In the interest of space, I list papers with more than 8 authors as “FirstAuthor et al. (includes Wood, M.A.)”.

- 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.) “Astero-seismology 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 Astero-seismology of DB White Dwarf Stars” 1993, *ApJ* **406**, 661.

* Key: *ApJ* = *Astrophysical Journal*; *MNRAS* = *Monthly Notices of the Royal Astronomical Society*; *A&A* = *Astronomy & Astrophysics*; *PASP* = *Publications of the Astronomical Society of the Pacific*

- 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 δ 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.L., 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 δ 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.D., 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 δ Scuti star seismology” 1997, *MNRAS*, **286**, 303.
- 25) Provencal, J.L., 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 δ -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 δ -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 δ 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.) "Asteroseismology 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- μ 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 ete 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.) “ δ 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.) “ δ 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) Wood, M. A. “Numerical Techniques in Astrophysics”, 2012, Planets, Stars, and Stellar Systems (Springer) in press (book chapter)
- 75) van Haaften, L. M., Nelemans, G., Voss, R., Wood, M. A., & Kuijpers, J. “The Evolution of Compact X-Ray Binaries”, 2012, *A&A*, **537**, A104
- 76) 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
- 77) 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
- 78) 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

Non-Refereed Publications:

- 1) Wood, M.A., Winget, D.E., Nather, R.E., Liebert, J., Wesemael, F., and Wegner, G. "PG 1346+082: An Interacting Binary White Dwarf System", 1987, in *Stellar Pulsation*, ed. A.N. Cox and W.M. Sparks (New York: Springer-Verlag), p. 348.
- 2) Shafter, A.W., Hill, J.A., Robinson, E.L., Szkody, P., Thorstensen, J.R., and Wood, M.A. "The Ultrashort Period Dwarf Nova SW Ursae Majoris", 1986, in *IAU Coll. #93: Cataclysmic Variables — Recent Multi-Frequency Observations and Theoretical Developments*, ed. H. Drechsel, (Dordrecht: Reidel), *Astr. & Sp. Sci.*, **130**, 125.
- 3) Wood, M.A., Winget, D.E., and Van Horn, H.M. "A Comparative Study of White Dwarf Evolution", 1987, in *IAU Coll. #95: The Second Conference on Faint Blue Stars*, eds. A.G. Davis Philip, Donald S. Hayes and James W. Liebert (New York: L. Davis Press), p. 639.
- 4) Wood, M.A., and Winget, D.E. "ZZ Ceti Mode Trapping Revisited", 1988, in *Multimode Stellar Pulsation*, eds. G. Kovács, L. Szabados, and B. Szeidl (Konkoly Observatory · Kultura: Budapest) p. 199.
- 5) Wood, M.A., and Winget, D.E. "A Variational Approach to Understanding White Dwarf Evolution", 1988, in *IAU Coll. #114: White Dwarfs*, ed. G. Wegner (Berlin: Springer-Verlag) p. 282.
- 6) Provencal, J.L., et al. (includes Wood, M.A.) "The Time Dependence of the Phases of the Harmonics Relative to the 1490 sec Fundamental in PG1346+082", 1988, in *IAU Coll. #114: White Dwarfs*, ed. G. Wegner (Berlin: Springer-Verlag), p. 296.
- 7) Bradley, P.A., Winget, D.E., and Wood, M.A. "The Effect of Varying Helium and Hydrogen Layer Masses on the Pulsation Properties of White Dwarf Models", 1988 in *IAU Coll. #114: White Dwarfs*, ed. G. Wegner (Berlin: Springer-Verlag), p. 286.
- 8) Wood, M.A. "The Age and Formation of the Galaxy: Clues from the White Dwarf Luminosity Function", 1991 in *Proceedings of the 7th European Workshop on White Dwarfs*, eds. G. Vauclair and E. M. Sion (Kluwer Academic Publ.: The Netherlands), p. 89.
- 9) Kepler, S.O., et al. (includes Wood, M.A.) "A Measurement of the Evolutionary Timescale of the Cool White Dwarf G117–B15A with WET", 1991 *Proceedings of the 7th European Workshop on White Dwarfs*, eds. G. Vauclair and E. M. Sion (Kluwer Academic Publ.: The Netherlands), p. 143.
- 10) Fontaine, G., Brassard, P., Wesemael, F., Kepler, S.O., and Wood, M.A. "On the Interpretation of the dP/dt Measurement in G117–B15A", 1991 *Proceedings of the 7th European Workshop on White Dwarfs*, eds. G. Vauclair and E. M. Sion (Kluwer Academic Publ.: The Netherlands), p. 153.
- 11) Oswalt, T.D., et al. (includes Wood, M.A.) 1992, in *A.S.P. Conf Series Vol. 28: Automated Telescopes for Photometry and Imaging*, eds. S.J. Adelman, R.J. Dukes, Jr., and C. J. Adelman (San Francisco: Astron. Soc. Pacific), p. 111.

- 12) Oswalt, T.D., et al. (includes Wood, M.A.) “The SARA Kitt Peak 0.9-m Telescope Project: Collaborative Research in Astronomy,” 1992, *Council on Undergraduate Research Newsletter*, **13**, 53.
- 13) Bradley, P.A., and Wood M.A., 1993, “An Example Demonstrating the Potential for Asteroseismology of DB White Dwarf Stars”, in *IAU Coll. 139, New Perspectives on Stellar Pulsation & Pulsating Variable Stars*, eds. J. Nemec & J.M. Matthews, (Cambridge: Cambridge Univ. Press), p. 116.
- 14) Clemens, J.C., et al. (includes Wood, M.A.) 1993, “Whole Earth Telescope Observations of the DBV White Dwarf PG1115+158: Preliminary Results” in *White Dwarfs: Advances in Observation and Theory*, ed. M. A. Barstow (Dordrecht: Kluwer) p. 515
- 15) Wood, M. A. “New Model Sequences from the White Dwarf Evolution Code” 1994, in *IAU Coll. 147: The Equation of State in Astrophysics*, eds. G. Chabrier and E. Schatzmann (Cambridge U. Press: Cambridge) p. 612.
- 16) Wood, M.A. “Theoretical White Dwarf Luminosity Functions: DA Models” 1995, in *Proceedings of the 9th European Workshop on White Dwarfs*, eds. D. Koester and K. Werner (Berlin: Springer-Verlag) p. 41.
- 17) Handler, G., et al. (includes Wood, M.A.) “New WET observations of the δ Scuti star CD-24 7599: amplitude variability and discovery of 13 pulsation modes” 1995, in *IAU Coll. 155: Astrophysical Applications of Stellar Pulsation*, eds. R.S. Stobie, and S.P.A. Whitelock, (PASPC), p. 331.
- 18) Kepler, S.O., Giovannini, O., Kanaan, A., Wood, M.A., and Claver, C. F. “Non-Variable Stars Inside the ZZ Ceti Instability Strip” 1995, *Baltic Astronomy*, **4**, 157.
- 19) Kepler, S.O., et al. (includes Wood, M.A.) “Study of the Periodicities of the DAV White Dwarf G117–B15A with the Whole Earth Telescope” 1995, *Baltic Astronomy*, **4**, 221.
- 20) Wood, M.A., , and Simpson, J. C. “A 3-D SPH Model of Helium Accretion Disks in the Interacting Binary White Dwarf Systems AM CVn and EC15330–1403” 1995, *Baltic Astronomy*, **4**, 402.
- 21) Breger, M., et al. (includes Wood, M.A.) “The Delta Scuti star FG Vir. II. A search for high pulsation frequencies” 1995, *Delta Scuti Star Newsletter*, **9**, 3-4
- 22) Fahlman, G. G., et al. (includes Wood, M.A.) “Hubble Space Telescope Observations of the Globular Cluster M4” 1996, *Proceedings of IAU Colloquium #174: Dynamical Evolution of Star Clusters*, eds. J. Makino and P. Hut (Kluwer: Dordrecht) p 39–48.
- 23) Pryor, C., et al. (includes Wood, M.A.) “Searches for Binary Stars in Globular Clusters” 1996, *Proceedings of IAU Colloquium #174: Dynamical Evolution of Star Clusters*, eds. J. Makino and P. Hut. (Kluwer: Dordrecht) p. 193–202.
- 24) Ahrens, T.J., Oswalt, T.D, Smith, J.A., and Wood, M.A., “White Dwarfs in Wide Binaries: Calibrating the Age of the Galaxy”, 1996, *IAPPPC*, **64**, 22.
- 25) Wood, M. A. “Monte Carlo Simulations of the White Dwarf Population and Luminosity Function” 1997, in *White Dwarfs*, eds. J. Isern, M. Hernanz and E. Garcia-Berro (Kluwer), p. 105.

- 26) Miller, N. A., Simpson, J. C., & Wood, M. A., 1997 “Visualizing an SPH Model of Short-Period Binary Accretion Disks” *IAPPP Communications*, 66, 64.
- 27) Wood, M.A. (invited review) “White Dwarf Cooling Curves and Searches for White Dwarfs” in *Highlights of Astronomy Vol. 11B, as presented at the XXIIIrd General Assembly of the IAU, 1997* ed. Johannes Andersen. (Kluwer: Dordrecht), 427.
- 28) Oswalt, T.D., Smith, J.A., and Wood, M.A. “Wide Binaries: Probes of the Galaxy’s Dark Matter Content” in *Highlights of Astronomy Vol. 11B, as presented at the XXIIIrd General Assembly of the IAU, 1997* ed. Johannes Andersen. (Kluwer: Dordrecht), 436.
- 29) Oswalt, T.D., Smith, J.A., and Wood, M.A. “Wide Binaries and the Age of the Galaxy” in *IAU Symposium 183: Cosmological Parameters and the Evolution of the Universe*, (Kluwer: Dordrecht), 162.
- 30) Simpson, J.C., Wood, M. A., & Burke, C.J. “The Effects of Inclination Angle on Superhump Pseudo-Lightcurves”, 1998, *Baltic Astronomy* **7** 255-267.
- 31) Burke, C.J, Wood, M.A., & Simpson, J.C. “Aspect-Dependent SPH Simulation Lightcurves of Cataclysmic Variable Accretion Disks”, 1998, *IAPPP Communications*, **71**, 44.
- 32) Patterson, J.D., Blatt, J.H., Moldwin, M.B., Oswalt, T.D., Rassoul, H.K., & Wood, M.A. “A Plan for Small Physics Department for the Twenty First Century” 1998, *Proceedings of the 35th Space Congress*, (CCTS: Cape Canaveral).
- 33) Kuehn, K., & Wood, M.A. “Taking the Pulse of SU UMa Stars” 1999, *IAPPP Communications*, **73**, 51
- 34) Baker-Branstetter, S., & Wood, M.A. “The Effects of Mass Ratio in Stable Superhumping Cataclysmic Variable Systems Using Smoothed Particle Hydrodynamics”, 2000, *IAPPP Comm.*, **76**, 31-40.
- 35) Arentoft, T., et al. (includes Wood, M.A.) “First Results of the 17th DSN Campaign: Photometry of XX Pyx”, 2000, in *The Impact of Large-Scale Surveys on Pulsating Star Research, ASP Conf. Series Vol 203, IAU Coll #176*, eds. L. Szabados and D. Kurtz, p 469-470.
- 36) Wood, M. A., et al. “Whole Earth Telescope Observations and Smoothed Particle Hydrodynamics Simulations of DQ Herculis”, 2000, *Baltic Astronomy*, **9**, 211.
- 37) Wood, M. A. “DQ Herculis”, 2000, *Encyclopedia of Astronomy and Astrophysics*, IOP Publishing, Ltd..
- 38) Silvestri, N. M., Oswalt, T. D., Wood, M. A., Smith, J. A., Reid, I. N., & Sion, E. M. 2001, “The Mass Distribution and Kinematics of White Dwarfs in Wide Binary Systems”, in *12th European Workshop on White Dwarf Stars*, ASP Conference Series Vol. 226, Eds. J. L. Provencal et al. p 246.
- 39) Jones, K. & Wood, M. A. 2001, “IDL Visualization of $q = 0.075$ SU UMa Dwarf Novae”, *IAPPP Comm.*, in press.

- 40) Casey, M., & Wood, M. A. 2002, "Discovery of Superhumps in the Helium Dwarf KL Draconis", *IAPPP Comm.*, in press.
- 41) Gobeille, D. & Wood, M. A. 2002, "Monte Carlo Simulations to Generate Luminosity Functions for White Dwarfs in Open and Globular Clusters", *IAPPP Comm.*, in press.
- 42) Oswalt, T. D. & Wood, M. A. 2002, "Research in a Virtual Astronomy Department: The Southeastern Association for Research in Astronomy (SARA) and the Future of Small Telescopes", in *The Future of Small Telescopes*, ed. T. Oswalt.
- 43) Perrine, R. P. & Wood, M. A. 2002, "Parallelizing an SPH Code", *IAPPP Comm.*, in press.
- 44) Zima, W. et al. (includes Wood, M.A.) 2002, "The Delta Scuti Network: Steps Towards Successful Asteroseismology of Delta Scuti Stars", *ASP Conf. Ser. 259: IAU Colloq. 185: Radial and Nonradial Pulsations as Probes of Stellar Physics*, 598
- 45) Handler, G., Wood, M. A., Nitta, A., & Collaborators, T. W. E. T. N. O. 2002, "Towards Ensemble Asteroseismology of the Pulsating DB White Dwarf Stars", *ASP Conf. Ser. 259: IAU Colloq. 185: Radial and Nonradial Pulsations as Probes of Stellar Physics*, 608
- 46) Wood, M. A. 2002, "SARA: A Node in the Whole Earth Telescope and Delta Scuti Networks", *IAPPP Comm.*, in press.
- 47) Schuh, S.L. et al. (includes Wood, M. A.) 2003, in *White Dwarfs: NATO Science Series II*, **105**, 263.
- 48) Smith, J. A., Oswalt, T. D., and Wood, M. A. 2003, in *White Dwarfs: NATO Science Series II*, **105**, 399.
- 49) Castanheira, B.G., et al. (includes Wood, M.A.) 2003, "WET Observations of the DAV G185-32", *Baltic Astronomy*, **12**, 39-44.
- 50) Kepler, S.O., et al. (includes Wood, M.A.) 2003, "WET Observations of GD 358 in 2000", *Baltic Astronomy*, **12**, 45-53.
- 51) Schuh, S.L., et al. (includes Wood, M.A.) 2003, "PG 1605+072 in WET XCov22: Support for the Multi-Site Spectroscopic Telescope", *Baltic Astronomy*, **12**, 55-70.
- 52) Mukadam, A.S., et al. (includes Wood, M.A.) 2003, "Constraining the Evolution of ZZ Ceti", *Baltic Astronomy*, **12**, 71-103.
- 53) Kurtz, D.W., et al. (includes Wood, M.A.) 2003, "High Precision with the Whole Earth Telescope: Lessons and Some Results From XCov20 for the roAp Star HR 1217", *Baltic Astronomy*, **12**, 105-117.
- 54) Oswalt, T. D. & Wood, M. A. "Research in a Virtual Astronomy Department: The Southeastern Association for Research in Astronomy (SARA) and the Future of Small Telescopes" 2003, in *The Future of Small Telescopes, Vol II*, ed. T. D. Oswalt (*Kluwer: Dordrecht*) p. 219
- 55) Robertson, J. R. & Wood, M. A. 2003, *IAPPP Comm.*

- 56) von Hippel, T., Winget, D. E., Kilic, M., Jefferyes, B., Saumon, D., & Wood, M. A. 2003, "White Dwarfs and the Star Formation History of the Galaxy," in *White Dwarfs: Galactic and Cosmologic Probes*, 25th meeting of the IAU, Joint Discussion 5, 16-17 July 2003, Sydney, Australia, 5, 21
- 57) Smith, J. A., Oswalt, T. D., Wood, M. A., & Silvestri, N. M. 2003, "Age of Local Galactic Disk from the WDLF for CPMBs", in *White Dwarfs: Galactic and Cosmologic Probes*, 25th meeting of the IAU, Joint Discussion 5, 16-17 July 2003, Sydney, Australia, 5, 27
- 58) Homewood, A., Hartmann, D. H., & Wood, M. 2005, "GRB 050505: SARA Observations," *GRB Circular Network*, 3398, 1
- 59) von Hippel, T., et al. 2005, "The White Dwarf Luminosity Function: The Shape of Things to Come," *ASP Conf. Ser.* 334: 14th European Workshop on White Dwarfs, 334, 3
- 60) Nitta, A., et al. 2005, "New DBVs from the SDSS," *ASP Conf. Ser.* 334: 14th European Workshop on White Dwarfs, 334, 585
- 61) Wood, M.A., Van Hamme, W., & Wilkat, V. 2006, "New Eclipse Timings and Preliminary Analysis of USNO-A2.0 1425-05691757" *JAAVSO*, **49**, 1.
- 62) Foing, B. H., et al. (includes Wood, M. A.) 2006, *LPI Contributions*, **1327**, 9
- 63) Updike, A. C., Puls, J., Hartmann, D. H., Wood, M., Cardenzana, J., Pederson, S. "GRB 070612A: continued SARA observations," 2007, *GRB Coordinates Network*, **6530**, 1
- 64) Updike, A. C., Milne, P. A., Williams, G. G., Puls, J., Hartmann, D. H., Wood, M., Cardenzana, J., Pederson, S, "SWIFT J195509.6+261406 (GRB 070610): further observations," , 2007, *GRB Coordinates Network*, **6536**, 1
- 65) Ehrenfreund, P., et al. (includes Wood, M. A.) "SMART-1 Impact Ground-based Campaign," 2007, *Lunar and Planetary Institute Conference Abstracts*, 38, 2446
- 66) Sullivan, D., et al (includes Wood, M. A.) "The Hottest IKnown DBV White Dwarf," 2007, *Astronomical Society of the Pacific Conference Series*, **372**, 629
- 67) Vauclair, G., et al. (includes Wood, M. A.) "Abell 43 and PG 0122+200: a Look at the Beginning and at the End of the PG 1159 Instability Strip," 2007, *Astronomical Society of the Pacific Conference Series*, **372**, 641
- 68) Teichgraeber, C., Wood, M. A., Patterson, J. Monard, B., Rea, R., & Kemp, J., "Updates on Two New Cataclysmic Variable Systems: 1RXS J173021.5-55933 and 1RXS J180340.0+401214," , 2007, *JSARA*, **1**, 24
- 69) Cardenzana, J. V., and Wood, M. A. "Synthetic Time Series Emission Line Profiles of Negatively Superhumping Cataclysmic Variable Stars", 2008, *JSARA*, **2**, 35
- 70) Vauclair, G., et al. (includes Wood, M. A.) "Rate of change of the pulsation periods in the PG 1159 star PG 0122+200", 2008, *IAU Symposium*, **252**, 157
- 71) Handler, G., et al. (includes Wood, M. A.) "Constraining convection parameters from the light curve shapes of pulsating white dwarf stars: the cases of EC 14012-1446 and WD 1524-0030", 2008, *Journal of Physics Conference Series*, **118**, 012057

- 72) Nelemans, G., Wood, M. A., et al. "The Astrophysics of Ultra-Compact Binaries", 2009, *Astro2010: The Astronomy and Astrophysics Decadal Survey*, 2010, 221
- 73) Provencal, J. L., et al. (includes Wood, M. A.) "Preliminary XCOV26 results for EC14012-1446", 2009, *Journal of Physics Conference Series*, **172**, 012061
- 74) Schwieterman, E. W., Wood, M. A., et al. "Time-Series Photometry of GW Librae One Year After Outburst", 2010, *JSARA*, **3**, 6
- 75) Piowar, D. T., Wood, M. A., & Schwieterman, E. W. "Time Series Photometry of the Cataclysmic Variable Systems VY Aquarii and V2491 Cygni", 2010, *Journal of the Southeastern Association for Research in Astronomy*, **3**, 11
- 76) Kreidberg, L. R., Wood, M. A., & Wetzstein, M. "Modeling Cataclysmic Variable Accretion Disks with VINE", 2010, *JSARA*, **4**, 38
- 77) Baez, W. D., Wood, M. A., & Silver, I. M. "Hydrodynamic Simulation of the Direct Impact Accretion Model with PLUTO", 2010, *JSARA*, **4**, 42
- 78) Tutcheon, R. M., Wood, M. A., et al., "Sonification of of Kepler Field SU UMa Cataclysmic Variable Stars V344 Lyr and V1504 Cyg", 2012, *JSARA*, **5**, 21
- 79) Vaclair, G., et al. (includes Wood, M. A.), "Period and Amplitude Changes in the GW Vir Variable Star PG 0122+200: Evidence for Resonant Coupling", 2012, in *progress in Solar/Stellar Physics with Helio- and Asteroseismology*, ASP Conf. Proc. 462, 160