JAMES E. NEFF

CURRENT POSITION: Professor of Physics and Astronomy
College of Charleston

CURRENT ADDRESS: Dept. of Physics & Astronomy
College of Charleston
Charleston, SC 29424

office: 843-953-5325 fax: 843-953-4824
email: neffj@cofc.edu
www: http://neffj.people.cofc.edu/

EDUCATION:
- **Ph.D.** Astrophysics, University of Colorado, 1987
- **M.S.** Astrophysics, University of Colorado, 1985
- **B.S.** Physics & Astronomy (double major), University of Iowa 1982

PUBLICATIONS: 179 publications (see attached list) including 53 refereed and invited review papers, 69 edited conference proceeding papers, and 57 published abstracts.

GRANTS and CONTRACTS: Investigator on over 150 sponsored research and competitive, peer-reviewed observing programs. Over $2 million has been awarded for those programs on which I am the Principal Investigator.

RESEARCH INTERESTS: (1) stellar chromospheres and coronae, solar–stellar and solar–terrestrial connections; asteroseismology; plasma astrophysics; (2) circumstellar material in proto-planetary and λ Boo systems; (3) local interstellar medium; (4) high-resolution spectroscopy; multiwavelength observing; robotic telescopes

HONORS AND AWARDS: CofC "Distinguished Research Award" ; CofC "In Praise of Teaching" Honoree; CofC "Superior" Rating in Post-Tenure Review; NCAR Advanced Study Program Fellow; NASA Faculty Fellow, NASA/GSFC and NASA/JPL; Project Kaleidoscope "Faculty for the 21st Century"; Phi Kappa Phi; Sigma Xi; Sigma Pi Sigma; U. Colorado Graduate Fellowship; U. Iowa Honors Scholarship; Maytag Foundation Fellowship; State of Iowa Scholarship

TEACHING EXPERIENCE: **(1)** *College of Charleston*: "Introduction to Astronomy" 2-semester lecture+laboratory course. ' 'Astrophysics". "Stellar Astrophysics". "Experimental Astronomy". "Energy Production & Resource Management" (graduate environmental studies course). "Energy Production" (undergraduate course; includes lab). Research Seminar. Supervised over 40 independent study and thesis courses. **(2)** *State University of New York*: "Introduction to the Solar System" and a graduate course entitled "The Search For Life In the Universe". Supervised teaching assistants. **(3)** *Bucknell University*: Instructor for 2 Physics laboratory courses and 1 Astronomy laboratory course. Supervised 5 teaching assistants. **(4)** *Penn State University*: Guest lectures in graduate Stellar Atmospheres course, taught the undergraduate Honors Seminar, and supervised Independent Research courses. **(5)** *University of Colorado* and *University of Iowa*: Instructor for 4 Physics laboratory classes and for 8 Astronomy laboratory classes. Tutor for math, physics, astronomy, and chemistry. **(6)** Thesis Advisor for one Ph.D., three M.S., and three undergraduate Honors theses. Provided financial support and scientific supervision for over 30 student research assistants. **(7)** Presented over 35 colloquia and invited review talks at international meetings. Trip leader for solar eclipse expedition, and presented many public lectures, observatory open nights, and press interviews.

ACADEMIC SERVICE: *College of Charleston*: Faculty Advisory Committee to the President, President's Information Technology Council, Faculty Educational Technology Committee, Assessment of Institutional Effectiveness Committee (subcommittee chair), Biology Chair Search Committee, UVI/CofC Bilateral Agreement Steering Committee, Environmental Institute Committee; G.E. Jones Award Committee; Sabbatical proposal review committee. *CofC Physics & Astronomy Department*: Observatory Management, Chair's Advisory Committee, Planning Group for Major Building Renovation, Dept. Chair Search Committee, Astronomy Faculty Search Committees (chair), Atmospheric Physics Faculty Search Committees (chair), Air Quality Faculty Search Committee (chair), Departmental Assessment and Planning Committee, Astronomy Curriculum and General Education Committees (chair), Computers & Equipment Committee. *Penn State University*: Observatories Committee, Black Moshannon Observatory Operations Committee (chair). *University of Colorado*: External Review Team for Physics program review, Graduate Student/ Faculty Liaison. *University of Iowa*: President, Society of Physics Students.

OBSERVING EXPERIENCE: 307 nights on 7 different telescopes at Kitt Peak National Observatory and Cerro Tololo Interamerican Observatory, 74 nights on 2 different telescopes at McDonald Observatory, 65 nights at Mt. Stromlo Observatory, and 6 nights at Siding Spring Observatory. Over 80 observing shifts with the International Ultraviolet Explorer (IUE). Experience with the NRAO/VLA and with several orbiting telescopes (KEPLER, SPITZER, HST, IUE, FUSE, EUVE, EXOSAT, GINGA, ROSAT, CHANDRA). I have made *extensive* use of the optical and radio observatory facilities at the University of Iowa, the University of Colorado, Penn State University, the College of Charleston, and the University of the Virgin Islands.

PROFESSIONAL SERVICE:
Panel Member, Review of NASA Astrophysics Research and Data Analysis Program, 2010-2011; NASA Origins of Solar Systems proposal review; three NASA FUSE review panels (and panel chair); two NASA CHANDRA review panels (and vice-chair); two NASA IUE review panels; NASA UV, Visible, and Gravitational Astrophysics Research & Analysis review panel; NASA Orfeus/SPAS II review panel; NASA EUVE review panel; NASA Astrophysics Data Program review panel; NASA Long-Term Space Astrophysics review panel; NSF Stellar Astrophysics Review Panel; NSF Star-Planet Interactions Review Panel; NSF Ad Hoc reviews; Journal Referee for Astrophysical Journal, ApJ Letters, Astronomical Journal, Astronomy & Astrophysics, American Journal of Physics, Astronomische Nachrichten; National Solar Observatory Telescope Allocation Committee; Scientific Advisory Committee, Hobby-Ebberly Telescope; IAU Working Group for Multiwavelength Astrophysics; Local Organizing Committee, AAS High-Energy Astrophysics Division Meeting (Chair), 1999; Local Organizing Committee and Scientific Organizing Committee (Co-Chair), 4th SONG Workshop, 2011; Scientific Organizing Committee, 2nd MUSICOS Workshop

PROFESSIONAL ASSOCIATIONS: American Astronomical Society; International Astronomical Union; American Physical Society; American Geophysical Union; Astronomical Society of the Pacific; Royal Astronomical Society; Royal Astronomical Society of Canada; American Association of Physics Teachers; American Association of University Professors; American Association for the Advancement of Science; South Carolina Academy of Science

PROFESSIONAL EMPLOYMENT HISTORY:

- Program Director, Stellar Astronomy & Astrophysics, National Science Foundation, Aug 2013 - present.
- Professor, Dept. of Physics & Astronomy, College of Charleston, (2007-present). Associate Professor (2001-2007); Assistant Professor (1997-2001).
- NCAR Advanced Study Program Faculty Fellow, High Altitude Observatory, Jul 2010 - Feb 2011.
- Visiting Fellow, Center for Astrophysics and Space Astronomy, University of Colorado, summer 2005 and Mar-May 2011.
- ASEE Summer Faculty Fellow, NASA Jet Propulsion Laboratory, summer 2003.
- ASEE Summer Faculty Fellow, Laboratory for High Energy Astrophysics, NASA Goddard Space Flight Center, summer 1999; summer 2000.

- Visiting Assistant Professor, Dept. of Physics & Astronomy, State University of New York at Stony Brook, 1997.
- Adjunct Instructor, Dept. of Physics, Bucknell University, 1996.
- Research Associate and Member of the Graduate Faculty, Dept. of Astronomy & Astrophysics, Penn State University, 1991–1996.
- National Academy of Science/National Research Council Fellow, Laboratory for Astronomy and Solar Physics, NASA Goddard Space Flight Center, 1988–1991.
- Post-Doctoral Research Associate, Joint Institute for Laboratory Astrophysics, U. of Colorado and National Bureau of Standards, 1987–1988.

- Graduate Research Assistant, (working with Prof. J. L. Linsky), Joint Institute for Laboratory Astrophysics, U. of Colorado, Summer 1983; 1984–1987.
- Graduate Research Assistant, (working with Prof. T. W. Speiser), Dept. of Astrophysical, Planetary, and Atmospheric Sciences, U. of Colorado, and NOAA Space Environment Laboratory, 1983–84.
- Teaching Assistant, Astro-Geophysics Dept., U. of Colorado, 1982–83. Tutor, U. of Colorado, 1982–1987.

- Teaching Assistant, Dept. of Physics and Astronomy, U. of Iowa, 1981–1982.
- Observing Assistant, U. of Iowa Observatory, 1980–1981. Laboratory Technician, Space Physics Computing Center, U. of Iowa, 1979–1982.

PUBLICATIONS:

Refereed Journals and Invited Reviews

1. "Doppler Imaging", J.E. Neff, (invited paper), The SHIRSOG Workshop, (National Solar Observatory), p. 34, 1986.

2. "Magnetosheath Quasi-Trapped Distributions and Ion Flows Associated with Reconnection", J.E. Neff, T.W. Speiser, D.J. Williams, *J. Geophys. Res.*, 92, 1177, 1987.

3. "Rotational Modulation and Flares on RS CVn and BY Dra Stars. III. IUE Observations of V711 Tau (=HR 1099), II Peg, and AR Lac", M. Rodonò, P.B. Byrne, J.E. Neff, J.L. Linsky, T. Simon, C.J. Butler, S. Catalano, G. Cutispoto, J.G. Doyle, A.D. Andrews, D.M. Gibson, *Astron. Astrophys.*, 176, 267, 1987.

4. "Rotational Modulation and Flares on RS CVn and BY Dra Stars. IV. The Spatially Resolved Chromosphere of AR Lacertae", F.M. Walter, J.E. Neff, D.M. Gibson, J.L. Linsky, M. Rodonò, D.E. Gary, C.J. Butler, *Astron. Astrophys.*, 186, 241, 1987.

5. "Ultraviolet Spectral Imaging", J.E. Neff, (invited paper), in *The Impact of Very High S/N Spectroscopy on Stellar Astrophysics*, eds. G.C. De Strobel and M. Spite, (Kluwer), p. 223, 1988.

6. "Rotational Modulation and Flares on RS CVn and BY Dra Stars. X. The 3 October 1981 Flare on V711 Tau (=HR 1099) Observed by IUE", J.L. Linsky, J.E. Neff, A. Brown, B.D. Gross, T. Simon, A.D. Andrews, M. Rodonò, P.A. Feldman, *Astron. Astrophys.*, 211, 173, 1989.

7. "Rotational Modulation of Hydrogen Lyman Alpha Flux From 44ι Bootis", O. Vilhu, J.E. Neff, T. Rahunen, *Astron. Astrophys.*, 208, 201, 1989.

8. "Rotational Modulation and Flares on RS CVn and BY Dra Stars. XI. Ultraviolet Spectral Images of AR Lacertae in September 1985", J.E. Neff, F.M. Walter, M. Rodonò, J.L. Linsky, *Astron. Astrophys.*, 215, 79, 1989.

9. "IUE Observations of the Active M Dwarfs CM Draconis and Rossiter 137B: Magnetic Activity at Saturated Levels", O. Vilhu, C.W. Ambruster, J.E. Neff, J.L. Linsky, A. Brandenburg, I.V. Ilyin, N.I. Shakovskaya, *Astron. Astrophys.*, 222, 179, 1989.

10. "Spatial Resolution of Stellar Atmospheres Within Active Close Binaries", J.E. Neff (invited review), in *Active Close Binaries*, ed. C. Ibanoğlu, (Kluwer), p. 809, 1990.

11. "Surface Structures and Flares on RS CVn-type Stars", J.E. Neff, (invited review), in *Proc. 2nd Musicos Workshop*, eds. C. Catala and B. Foing, (Meudon Observatory), p. 35, 1990.

12. "Ultraviolet Flares on RS CVn-Type Stars and Related Systems", J.E. Neff, (invited review), in *Memorie Della Società Astronomica Italiana*, 62, 291, 1991.

13. "Ultraviolet Imaging of Plage Regions on Late-Type Stars", J.E. Neff, (invited review), in *Surface Inhomogeneities on Late-Type Stars*, eds. P.B. Byrne and D.J. Mullan, (Springer-Verlag), 54, 1992.

14. "Dynamic Phenomena on the RS CVn Binary II Peg in August 1989: I. Observational Data", J.G. Doyle *et al.*, *Astron. Astrophys. Suppl. Ser.*, 96, 351, 1992.

15. "Multi-Site Continuous Spectroscopy. I. Overview of the MUSICOS 1989 Campaign Organization", C. Catala *et al.*, *Astron. Astrophys.*, 275, 245, 1993.

16. "The Reduction of Fiber-Fed Echelle Spectrograph Data: Methods and an IDL-Based Solution Procedure", J.C. Hall, E.E. Fulton, D.P. Huenemoerder, A.D. Welty, J.E. Neff, *Publ. Astron. Soc. Pacific*, 106, 315, 1994.

17. "Rotational Modulation and Flares on RS CVn and BY Dra Stars. XVIII. Coordinated VLA, ROSAT, and IUE Observations of RS CVn Binaries", D.C. Fox, J.L. Linsky, A. Veale, R.C. Dempsey, A. Brown, J.E. Neff, I. Pagano, M. Rodonò, G.E. Bromage, M., Kürster, J.H.M.M Schmitt, *Astron. Astrophys.*, 284, 91, 1994.

18. "Multi-Site Continuous Spectrophotometry. II. Spectrophotometry and Energy Budget of Exceptional White-Light Flares on HR 1099 From the MUSICOS 89 Campaign", B.H Foing *et al.*, *Astron. Astrophys.*, 292, 543, 1994.

19. "Azimuthal Structures in the Wind and Chromosphere of the Herbig Ae Stare AB Aur: Preliminary Results From the MUSICOS 1992 Campaign", C. Catala *et al.*, *Solar Physics*, 155, 185, 1994.

20. "Continuous Coverage of HR 1099 with IUE During the MUSICOS 1992 Campaign", J.E. Neff, I. Pagano, M. Rodonò, (invited review), in *4th Workshop on Multi-Site Continuous Spectroscopy*, ed. L. Huang et al., (Beijing Astronomical Observatory), p. 157, 1995.

21. "Search for Proto-Planetary System Candidates", K.-P. Cheng, J.E. Neff, F.C. Bruhweiler, *Astrophys. & Space Sci.*, 223, 143, 1995.

22. "A Search for Planetary System Candidates: Northern Nearby A Stars with Dust Disks and Circumstellar Gas", J.E. Neff, K.-P. Cheng, *Astrophys. & Space Sci.*, 224, 525, 1995.

23. "Measurements of Starspot Area and Temperature on II Pegasi In 1989 October", J.E. Neff, D. O'Neal, S.H. Saar, *Astrophys. J.*, 452, 879, 1995.

24. "Multiwavelength Observations of Two Moderate Rotation RS CVn Systems: V815 Hercules and IM Pegasi", R.C. Dempsey, J.E. Neff, D. O'Neal, K. Olah, *Astron. J.*, 111, 1356, 1996.

25. "Measurements of Starspot Area and Temperature on Five Active, Evolved Stars", D. O'Neal, S.H. Saar, J.E. Neff, *Astrophys. J.*, 463, 766, 1996.

26. "Chromospheric Emission-Line Mapping", J.E. Neff, (invited paper), in *Stellar Surface Structure*, eds. K.G. Strassmeier & J.L. Linsky, (Kluwer), p. 113, 1996.

27. "Rotational Modulation and Flares on RS CVn and BY Dra Stars. XIX. Simultaneous IUE, ROSAT, VLA, and Visual Observations of TY Pyxidis", J.E. Neff, I. Pagano, M. Rodonò, D.C. Fox, A. Brown, R.C. Dempsey, J.L. Linsky, *Astron. Astrophys.*, 310, 173, 1996.

28. "Multi-Site Continuous Spectroscopy. IV. The Oscillation Modes of θ^2 Tauri", E.J. Kennelly, G.A.H. Walker, C. Catala, B.H. Foing, L. Huang, S. Jiang, J. Hao, D. Zhai, F. Zhao, J.E. Neff, E. Houdebine, K.K. Ghosh, P. Charbonneau, *Astron. Astrophys.*, 313, 571, 1996.

29. "Goddard High Resolution Spectrograph Observations of Variability in the RS CVn System V711 Tau (HR 1099)", R.C. Dempsey, J.E. Neff, M.J. Thorpe, J.L. Linsky, A. Brown, G. Cutispoto, M. Rodonò, *Astrophys. J.*, 470, 1172, 1996.

30. "Azimuthal Structures in the Wind and Chromosphere of the Herbig Ae Star AB Aur. Results from the MUSICOS 1992 Campaign", T. Böhm et al., *Astron. Astrophys. Suppl.*, 120, 431, 1996.

31. "OH 1.563μm Absorption From Starspots on Active Stars", D. O'Neal, J.E. Neff, *Astron. J.*, 113, 1129, 1997.

32. "Detection of β Pic-like Gaseous Infall in the Dust-Free A Star 2 Andromedae", K.-P. Cheng, F.C. Bruhweiler, J.E. Neff, *Astrophys. J.*, 481, 866, 1997.

33. "Multi-Site Continuous Spectroscopy. V. Rapid Photospheric Variability in the Be Star 48 Per from the MUSICOS 1989 Campaign", A.-M. Hubert et al., *Astron. Astrophys.*, 324, 929, 1997.

34. "Ultraviolet Observations of Close-Binary Stars, 1993-1996", J.E. Neff, (invited review contribution), IAU Commission 42 report, ed. M. Rodonò, *Reports on Astronomy*, Vol. 23A, p. 363, 1997.

35. "The Photosphere and Chromosphere of the RS CVn Star II Peg. II. A Multiwavelength Campaign in August/September 1992." P.B. Byrne et al., *Astron. Astrophys. Suppl.*, 127, 505, 1998.

36. "Spectroscopic Evidence for Nonuniform Starspot Temperatures on II Pegasi", D. O'Neal, S.H. Saar, J.E. Neff, *Astrophys. J. (Letters)*, 501, L73, 1998.

37. "Measurements of Starspot Parameters on Active Stars Using Molecular Bands in Echelle Spectra", D. O'Neal, J.E. Neff, S.H. Saar, *Astrophys. J.*, 507, 919, 1998.

38. "Short-term Spectroscopic Variability in the Pre-Main Sequence Herbig Ae Star AB Aurigae During the MUSICOS 96 Campaign", C. Catala et al., *Astron. Astrophys.*, 345, 884, 1999.

39. "Chromospheric Imaging of the Active Binary System V711 Tauri = HR 1099 in September 1992", I. Busà, I. Pagano, M. Rodonò, J.E. Neff, A.C. Lanzfame, *Astron. Astrophys.*, 350, 571, 1999.

40. "Rotational Modulation and Flares on RS CVn and BY Dra Stars. XX. Photometry and Spectroscopy of CC Eri in Late 1989", P.J. Amado, J.G. Doyle, P.B. Byrne, G. Cutispoto, D. Kilkenny, M. Mathioudakis, J.E. Neff, *Astron. Astrophys.*, 359, 159, 2000.

41. "Spectral Imaging Maps of AR Lacertae. I. Results from IUE Observations in 1994 October", I. Pagano, M. Rodonò, J.L. Linsky, J.E. Neff, F.M. Walter, Z. Kövári, L.D. Matthews, *Astron. Astrophys.*, 365, 128, 2001.

42. "A Search for the Cause of Cyclical Wind Variability in O Stars. Simultaneous UV and Optical Observations Including Magnetic Field Measurements of the O7.5III Star ξ Persei", J.A. de Jong, H.F. Henrichs, L. Kaper, J.S. Nichols, K. Bjorkman, D.A. Bohlender, H. Cao, K. Gordon, G. Hill, Y. Jiang, I. Kolka, N. Morrison, J.E. Neff, D. O'Neal, B. Scheers, J.H. Telting, *Astron. Astrophys.*, 368, 601, 2001.

43. "Simultaneous Observations of Variability at all Atmospheric Levels of V824 Ara (HD 155555)", R.C. Dempsey, J.E. Neff, J. Lim, *Astron. J.*, 122, 332, 2001.

44. "Hydroxl 1.563 Micron Absorption from Starspots on Active Stars", D. O'Neal, J.E. Neff, S.H. Saar, J.K. Mines, *Astron. J.*, 122, 1954, 2001.

45. "Nonradial Pulsations, Rotation, and Outbursts in the Be Star Omega Orionis from the MUSICOS 1998 Campaign", C. Neiner et al., *Astron. Astrophys.*, 388, 899, 2002.

46. "Simultaneous Optical and X-ray Observations of Flares and Rotational Modulation on the RS CVn Binary HR 1099 (V711 Tau) from the MUSICOS 1998 Campaign", D. García-Alvarez et al., *Astron. Astrophys.*, 397, 285, 2003.

47. "Far-Ultraviolet Observations of the Circumstellar Gas in the 2 Andromedae System", K.-P. Cheng & J.E. Neff, *Astron. J.*, 125, 868, 2003.

48. "Multi-Site Observations of SU Aurigae", Y.C. Unruh et al., *Mon. Not. Royal Astron. Soc.*, 348, 1301, 2004.

49. "The Virgin Islands Robotic Telescope", J.E. Neff, Astron. Nachr., 325, 577, 2004.

50. "Further Results of TiO-Band Observations of Starspots", D. O'Neal, J.E. Neff, S.H. Saar, M. Cuntz, *Astron. J.*, 128, 1802, 2004.

51. "O VI Observations of the Onset of Convection Zones in Main-Sequence A Stars", J.E. Neff, T. Simon, *Astrophys. J.*, 685, 478, 2008.

52. "A Multiwavelength Study of the M Dwarf Binary YY Geminorum", C.J. Butler et al., *Mon. Not. Royal Astron. Soc.*, 446, 4205, 2015.

53. "Serendipitous Discovery of a Dwarf Nova in the Kepler Field Near the G Dwarf KIC 5438845", A. Brown, J.E. Neff, T. Ayres, A. Kowalski, S. Hawley, S. Berdyugina, G.M. Harper, H. Korhonen, N. Piskunov, S. Saar, L. Walkowicz, M.A. Wells, *Astron. J.*, 149, 67, 2015.

54. "Activity Cycles and Starspot Evolution on UV and X-Ray Selected Late-Type Stars in the Kepler Field", A. Brown, J.E. Neff, M. Wells, T. Ayres, S. Berdyugina, G. Harper, S. Hawley, H. Korhonen, A. Kowalski, N. Piskunov, S. Saar, L. Walkowicz, *Astron. J.*, in preparation.

55. "Automated Classification of Variability Type in the Kepler Lightcurve Database", M.A. Wells, J.E. Neff, A. Brown, J. Jackiewicz, *Astron. J.*, in preparation.

Edited Conference Proceedings and Miscellaneous Publications

56. "Rotational Modulation and High-Speed Streams in FK Comae Berenices: Evidence For a Massive, Highly Evolved Binary System", F.M. Walter, J.E. Neff, B.W. Bopp, R.E. Stencel, in *Cool Stars, Stellar Systems, and the Sun*, eds. S.L. Baliunas and L. Hartman, (Springer-Verlag), p. 279, 1984.

57. "Multi-Year and Possibly Periodic Variations in the UV Spectrum of 56 Peg", R.E. Stencel, J.E. Neff, R.D. McClure, in *Future of Ultraviolet Astronomy Based on Six Years of IUE Research*, eds. J.M. Mead, R.D. Chapman, and Y. Kondo, NASA CP-2349, p. 400, 1984.

58. "Multiple-Component Chromospheric Models for AR Lacertae", J.E. Neff, D.M. Gibson, F.M. Walter, in *Cool Stars, Stellar Systems, and the Sun*, eds. M. Zeilik and D.M. Gibson, (Springer-Verlag), p. 244, 1986.

59. "Chromospheric-Coronal Activity at High Saturated Levels", O. Vilhu, J.E. Neff, F.M. Walter, in *New Insights in Astrophysics: Eight Years of Astronomy With IUE*, ESA SP-263, p. 113, 1986.

60. "Correcting Observed Stellar Lyman Alpha Profiles for the Effects of Interstellar Absorption and Geocoronal Emission", J.E. Neff, J.L. Linsky, W.B. Landsman, K.G. Carpenter, in *New Insights in Astrophysics: Eight Years of Astronomy With IUE*, ESA SP-263, p. 669, 1986.

61. "Doppler Imaging of Active Regions on AR Lacertae", J.E. Neff, F.M. Walter, M. Rodonò, in *New Insights in Astrophysics: Eight Years of Astronomy With IUE*, ESA SP-263, p. 153, 1986.

62. "Where Do Flares Occur in RS CVn Systems?–Analysis of the October 3, 1981 Flare on V711 Tau=HR 1099 Observed by IUE", J.L. Linsky, J.E. Neff, Gross, B.D., Simon, T., Andrews, A.D., Rodonò, M., in *New Insights in Astrophysics: Eight Years of Astronomy With IUE*, ESA SP-263, p. 161, 1986.

63. "Spectral Images of the Chromospheres of AR Lacertae", J.E. Neff and D.H. Neff, in *Cool Stars, Stellar Systems, and the Sun*, eds. J.L. Linsky and R.E. Stencel, (Springer-Verlag), p. 531, 1987.

64. "Applications of the Doppler Imaging Technique to the Analysis of High-Resolution Spectra of the 3 October 1981 Flare on V711 Tau", J.L. Linsky and J.E. Neff, in *The Impact of Very High S/N on Astrophysics*, eds. G.C. De Strobel and M. Spite, (Kluwer), p. 231, 1988.

65. "Simultaneous EXOSAT and VLA Observations of the W UMa Binaries VW Cep and XY Leo: A Flare on VW Cep", O. Vilhu, J.-P. Caillault, J.E. Neff, J. Heise, in *Activity in Cool Star Envelopes*, eds. Havnes *et al.*, (Kluwer), p. 179, 1988.

66. "Spatially Resolved Flares in RS CVn Systems", J.E. Neff and J.L. Linsky, in *Activity in Cool Star Envelopes*, eds. Havnes *et al.*, (Kluwer), p. 175, 1988.

67. "Spectral Images of HD 199178", J.E. Neff, O. Vilhu, F.M. Walter, in *A Decade of UV Astronomy With the IUE Satellite*, ESA SP-281, p. 291, 1988.

68. "Rotational Modulation of Hydrogen Lyman Alpha Flux From 44ι Boo", O. Vilhu, J.E. Neff, T. Rahunen, in *A Decade of UV Astronomy With the IUE Satellite*, ESA SP-281, p. 299, 1988.

69. "Doppler Imaging of AR Lacertae at Three Epochs: The Movie", F.M. Walter, J.E. Neff, J.L. Linsky, M. Rodonò, in *A Decade of UV Astronomy With the IUE Satellite*, ESA SP-281, p. 295, 1988.

70. "Coordinated Ultraviolet, Optical, and Radio Observations of EI Eri (=HD 26337): Call for Observations", M. Rodonò and J.E. Neff, *Inf. Bull. Var. Stars*, No. 3215, 1988.

71. "General Properties of Ultraviolet Flares on RS CVn Systems", J.E. Neff, A. Brown, J.L. Linsky, in *IAU Coll. #104, Solar and Stellar Flares, Poster Volume*, eds. B.M. Haisch and M. Rodonò, (Catania Astrophys. Obs.), p. 111, 1989.

72. "The McMath–APT–IUE Synoptic Program: Doppler Imaging and Photometry of the RS CVn Binary HD 26337= EI Eri", K.G. Strassmeier, J.E. Neff, M. Rodonò, in *Remote Access Small Telescopes*, eds. D.S. Hayes and R.M. Genet, (Fairborn Press, Mesa, AZ), p. 197, 1989.

73. "Spot Temperatures and Area Coverages on Active Dwarf Stars", S.H. Saar and J.E. Neff, in *Cool Stars, Stellar Systems, and the Sun*, ed. G. Wallerstein, ASP Conf. Series 9, p. 171, 1990.

74. "The Evolution of Chromospheric Structure on AR Lacertae", J.E. Neff, in *Active Close Binaries*, ed. C. Ibanoğlu, (Kluwer), p. 805, 1990.

75. "The Intrinsic H I Lyman-Alpha Line Profiles of Late-Type Stars", J.E. Neff, W.B. Landsman, J.A. Bookbinder, J.L. Linsky, *Evolution in Astrophysics: IUE Astronomy in the Era of New Space Missions*, ESA SP-310, p. 341, 1990.

76. "Chromospheric Surface Structures on EI Eridani and HD 199178", J.E. Neff, in *The Sun and Cool Stars: Activity, Magnetism, Dynamos*, eds. I. Tuominen *et al.*, (Springer-Verlag), p. 330, 1991.

77. "Short Time-Scale Changes in the V-Band Light Curve of II Peg: Flare, Companion, or Prominence?", J.G. Doyle, G.E. Bromage, A. Collier Cameron, D. Kilkenny, J. Krzensinski, M. Murphy, J.E. Neff, G. Pajdosz, F. van Wyk, in *Surface Inhomogeneities in Late-Type Stars*, eds. P.B. Byrne and D.J. Mullan, (Springer-Verlag), 276, 1992.

78. "On the AR Lacertae Active Regions", I. Pagano, M. Rodonò, J.E. Neff, in *Surface Inhomogeneities in Late-Type Stars*, eds. P.B. Byrne and D.J. Mullan, (Springer-Verlag), 315, 1992.

79. "Optical Photometry and UV Spectroscopy of CC Eri in November 1989", P.B. Byrne, D.J. Agnew, G. Cutispoto, D.W. Kilkenny, J.E. Neff, P.M. Panagi, in *Surface Inhomogeneities in Late-Type Stars*, eds. P.B. Byrne and D.J. Mullan, (Springer-Verlag), 255, 1992.

80. "First Results from a Coordinated ROSAT, IUE, and VLA study of RS CVn Systems", J.L. Linsky, D. Fox, A. Brown, R. Dempsey, J.H.M.M. Schmitt, T. Fleming, M. Rodonò, I. Pagano, J.E. Neff, G. Bromage, in *Cool Stars, Stellar Systems, and the Sun*, eds. M. Giampapa and J. Bookbinder, ASP Conf. Series 26, 106, 1992.

81. "Rotational Modulation in UV Lines and V Band on the Eclipsing Binary AR Lacertae (HD 210334)", I. Pagano, M. Rodonò, J.E. Neff, in *Cool Stars, Stellar Systems, and the Sun*, eds. M. Giampapa and J. Bookbinder, ASP Conf. Series 26, 362, 1992.

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