

Curriculum Vitae

Nancy D. Morrison

October 19, 2009

Place of birth: Schenectady, NY

Contact information

Postal: Mail Stop 113, Ritter Observatory
The University of Toledo
2801 W. Bancroft Street
Toledo, OH 43606

FAX: (419) 530-5167 (Ritter Astrophysical Research Center)
Phone: (419) 530-2659
E-mail: NMorris@UTNet.UToledo.Edu

Present position

Professor of Astronomy
Director, Ritter Observatory
Director, Ritter Planetarium and Brooks Observatory

Degrees

Harvard and Radcliffe Colleges, B.A. *cum laude* 1967
University of Hawaii, M.S. 1971, Ph.D. 1975

Professional history

The University of Toledo, Department of Physics and Astronomy

Director, Ritter Planetarium, 2006 to present
Interim Director, Ritter Observatory, 1994 to 1997; Director 1997 to present
Professor of Astronomy, 2005 to present
Associate Professor of Astronomy, 1983 to 2005
Tenure awarded 1984
Associate Director, Ritter Observatory, 1980 to 1994
Assistant Professor of Astronomy, 1978 to 1983

University of Wisconsin, Madison, Department of Astronomy: Visiting Associate Professor,
January–March 2000

University of Colorado, Boulder, Joint Institute for Laboratory Astrophysics: Postdoctoral
Research Associate, 1975 to 1978

Grants received

1. National Science Foundation, N. D. Morrison and P. B. Kunasz, “The Atmospheres of Very Luminous Stars: Observations and Theory,” February 1979–July 1981, \$64,500
2. NASA *IUE*, N. D. Morrison and P. B. Kunasz, “Ultraviolet Observations of A- and F-Type Supergiants,” May 1979–April 1980, \$4,700

3. NASA *IUE*, “Mass Loss in A- and F-Type Supergiants,” May 1980–April 1981, \$12,844
4. Research Corporation, “A Reticon System for the Study of Evolved Massive Stars,” March 1980 to completion of research, \$15,000
5. NASA *IUE*, N. D. Morrison and C. D. Garmany, “Stellar Winds in Two Massive Binary Stars with Known Orbits,” July 1982–June 1983, \$8,000
6. NASA *IUE*, “A-Type Supergiants: Three Unique Spectra,” June 1983–May 1984, \$14,700
7. NASA *IUE*, “The Ultraviolet Energy Distribution of Phi Cassiopeiae,” June 1983–May 1984, \$7,600
8. NASA, “Winds in Hot Main-Sequence Stars near the Static Limit,” August 1986–July 1987, \$20,000
9. NASA, N. D. Morrison and J. A. Grigsby, “A SADAP-Based Study of Resonance-Line Profiles in Late O- and Early B-Type Main-Sequence Stars,” September 1987–August 1988, \$28,850
10. NASA *IUE*, N. D. Morrison, J. A. Grigsby, and D. L. Massa, “Main-Sequence O Stars in NGC 6231: Enhanced Winds,” February 1994–January 1995, \$1,500
11. Fund for Astrophysical Research, Inc., 1997, \$2,004
12. American Astronomical Society Small Research Grants Program, “A Long-Term Data Archive for Ritter Observatory,” December 1997, \$2,000
13. Fund for Astrophysical Research, Inc., 2001, \$2,160
14. American Astronomical Society Small Grants Program, N. D. Morrison and K. S. Bjorkman, “A High-Performance CCD Camera for Ritter Observatory,” 2002, \$7,000
15. NASA *FUSE* Cycle 3, N. D. Morrison, J. P. Aufdenberg, et al., “The Stellar Wind of Deneb (Alpha Cygni, A2 Ia),” 2002, \$27,300
16. NASA Education/Public Outreach, N. D. Morrison and A. T. Mak, “Hands-On Astronomy for Teachers,” 2002, \$14,400
17. NSF Program for Research and Education with Small Telescopes, N. D. Morrison and K. S. Bjorkman, “A Research and Training Center for Astronomical Spectroscopy,” September 2004–August 2007, \$411,905

Professional societies

American Association for the Advancement of Science

American Astronomical Society

Association for Women in Science

Astronomical Society of the Pacific

International Astronomical Union

Sigma Xi, the Scientific Research Society

International Planetarium Society

Service, professional societies

American Association for the Advancement of Science, Section D: Nominating Committee, 1978–1981; Chairman 1980–1981. Section D committee 2009–2012

American Astronomical Society

Committee on the Status of Women in Astronomy 1978–1979

Shapley Lecturer 1979–1984

Nominating Committee 1981–1984; Chairman 1982–1983

Physics News Committee 1978–1981

Representative to Section Committee, AAAS Section on Astronomy (D), 1983–1986

Annie J. Cannon Award Advisory Committee 2002–2005

Council 2008–2011

Astronomical Society of the Pacific

Publications Committee 1974–1982; Chairman 1977–1982

Board of Directors, 1985–1991

Executive Committee 1987–1991

Awards Committee 1987–1991; Chairman 1988–1991

PASP Transition Committee 1991

Representative to Scientific Organizing Committee, A. S. P. Summer Scientific Symposium, 1991–1992

Board of Editors, *Pub. A. S. P.*, 1991–1994

Other professional service

V. M. Slipher Committee on Public Education in Astronomy 1979–2001

Users' Committee, International Ultraviolet Explorer 1980–1982

Proposal Review Board, International Ultraviolet Explorer 1981, 1984, 1986, 1990

NASA Astronomy Rocket Program Review 1987

Hubble Space Telescope Cycle 6 Peer Review Panel on Hot Stars 1995

Far Ultraviolet Spectroscopic Explorer Cycle 5 Peer Review Panel on Hot Stars, panel chair, 2003

On average since 1999, refereed about one paper per year for *Astronomy and Astrophysics*

University service (most significant items)

Department of Physics and Astronomy

Chair, Constitution and Rules Committee, 1988–1991

Chair, Graduate Committee, and Graduate Adviser, 1990–1992

Chair, Committee on Graduate Students, 2001 to present

Interim Director and then Director, Ritter Observatory, 1994 to present

Arts and Sciences College

Committee on Women's Studies 1980–1990

Departmental representative to Council 1980–1981, 1984–1985

At-large representative to Council 1981–1984

Chair, Council Curriculum Committee, 1980–1981

Member, Council Executive Committee, 1983–1984

Dean's Advisory Committee 1984–1985

Director, Ritter Planetarium and Brooks Observatory, 2006 to present

University of Toledo Faculty Senate, member, 1986–1988

Graduate theses supervised

1. Ph. D.

- (a) P. Rosenzweig, *A Spherical, Non-LTE, Blanketed Model Stellar Atmosphere for ϕ Cas (F0 Ia)*, completed 1987 June (supervised jointly with L. S. Anderson)
- (b) J. A. Grigsby, *Fundamental Properties and Mass Loss in Hot, Near-Main Sequence Stars*, completed 1989 October (supervised jointly with L. S. Anderson)
- (c) G. B. Thompson, *Time-series Analysis of Line Profile Variability in Optical Spectra of ϵ Orionis*, completed 2009 August

2. M. S.

- (a) P. Rosenzweig, "The Effective Temperature and Gravity of Two F-Type Supergiants: φ Cassiopeiae and 89 Herculis," completed 1982 October
- (b) B. Spressart, "The Effective Temperatures and Gravities of Three A-Type Supergiant Stars," completed 1982 October
- (c) S. M. Rao, "The Spectra of the Luminous Southern Stars HR 6615 and HDE 316285," completed 1989 January
- (d) J. R. Caplinger, "Radial Velocities and Line Profiles for HR 1040 (A0 Iae)," completed 1991 March
- (e) C. L. Mulliss, "Radial Velocity Variations in ι Herculis," completed 1995 November
- (f) N. D. Richardson, "A Five-Year Spectroscopic and Photometric Campaign on the Supergiant Star Deneb," completed 2006 July
- (g) S. Rother, "A Time Series Study of Rigel, a B8Ia Supergiant," completed 2009 August

Courses taught

Astronomy 105, 106	Introduction to Astronomy I, II
Astronomy 110 (now 1010)	Survey of Astronomy
Astronomy 117 (now 2050)	Elementary Astronomy Laboratory
Astronomy 201 (now 2010)	Solar System Astronomy
Astronomy 202	Stars, Galaxies, and the Universe
Astronomy 313	New Frontiers in Astronomy: Science with the <i>Hubble Space Telescope</i>
Astronomy 461-462-463 (now 4810-4820)	Introduction to Astrophysics
Astronomy 468-469/568-569 (now 4880/5880)	Astrophysical Measurements
Honors 402	Taking the Measure of the Universe
Physics 207	General Physics (Lecture)
Physics 207-208-209	General Physics (Quiz Section)
Physics 213 (now 2130)	Physics for Engineers and Science Majors (Quiz Section)
Physics 561-562-563 (now 5810-5820)	Introduction to Astrophysics
Physics 600 (Special Topics)	Astrophysics and Atomic Physics (with U. Litzén)
Physics 600 (Special Topics)	Techniques of Observational Astrophysics
Physics 666/866 (now 8890)	Stellar Spectroscopy
Physics 681/781	Stellar Atmospheres
Physics 684/784	Galactic Astronomy

Presentations at meetings—recent, contributed, not published elsewhere

1. American Astronomical Society

- (a) G. B. Thompson, D. W. Kittell, N. D. Morrison, and K. S. Bjorkman 2005, “Community Access at Ritter Observatory: Service Observing and Student Training,” *Bull. AAS*, **37**, 434
- (b) N. D. Richardson, N. D. Morrison S. J. Adelman, and E. E. Allgaier 2006, “Deneb: Time Series Analysis of H alpha, Radial Velocities, and Photometry,” *Bull. AAS*, **37**, 1170
- (c) N. D. Morrison and K. S. Bjorkman 2009, *Bull. AAS*, **41**, 406, “A Visiting Student Program in Astronomical Spectroscopy”
- (d) N. D. Morrison, N. Markova, and S. Rother 2009, *Bull. AAS*, **41**, in press, poster 605.11, see: <http://aas.org/publications/baas/>, “High-Velocity H α Absorption Events in B8Ia - A2Ia Supergiant Stars”

2. Symposia

- (a) J. P. Aufdenberg, N. D. Morrison P. H. Hauschildt, and S. J. Adelman 2006, “The Photosphere and Stellar Wind of Deneb (A2 Ia) in the Far Ultraviolet,” in *Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE*, ASP Conference Series, Vol. 348, proceedings of the Conference held 2-6 August, 2004 in Victoria, British Columbia, Canada. Edited by G. Sonneborn, H. Moos, and B-G Andersson, p. 124
- (b) N. D. Morrison, S. Rother, and N. Kurschat 2008, “H α line profile variability in the B8Ia-type supergiant Rigel (β Ori),” in *Clumping in Hot Star Winds*, W.-R. Hamann, A. Feldmeier, and L. M. Oskinova eds. (Potsdam: Univ.-Verl.), p. 155; <http://opus.kobv.de/ubp/volltexte/2008/1812/>

3. International Astronomical Union Colloquium 169, “Variable and Non-spherical Stellar Winds in Luminous Hot Stars,” 1998 June 14–19, Heidelberg, Germany (poster papers, not included in the conference proceedings)

- (a) C. L. Mulliss and N. D. Morrison, “Recent Results from High-Resolution H α Spectroscopic Monitoring of α Cygni”
- (b) N. D. Morrison C. L. Mulliss, and K. D. Gordon, “High-Resolution Spectroscopic Monitoring of H α in HR 1040 (A0 Ia)”

Articles and reports

A. Research reports

1. N. D. Morrison, K. S. Bjorkman, A. Miroshnichenko, and J. P. Wisniewski 2002, “V 838 Monocerotis,” *IAU Circ.*, No. 7829

B. Articles

1. M. H. Liller, A. P. Cowley, P. W. Hodge, F. J. Kerr, and N. D. Morrison, “Report of the Committee on the Status of Women,” *Bull. AAS*, **12**, 624–635, 1980
2. N. D. Morrison, “Measuring the Cosmos: The Extragalactic Distance Scale—A Report on the Symposium at the Victoria Meeting of the A. S. P.,” *Mercury*, **17**, 171–181, 1988

3. N. D. Morrison, “The 1989 A. S. P. Awards,” *Mercury*, **18**, 197–203, 1989
4. N. D. Morrison and A. Fraknoi, “The 1990 A. S. P. Awards,” *Mercury*, **19**, 179–187, 1990
5. N. D. Morrison, “The 1991 A. S. P. Awards,” *Mercury*, **20**, 182–190, 1991

C. Regular Feature, “Noted in the Current Journals” (*Mercury*)

Written from 1973 through 1989 with co-authors and as sole author. Some articles written principally by N. D. Morrison since 1985 follow.

1. N. D. Morrison and S. Gregory, “IRAS Takes a Broad View of the Infrared Sky,” *Mercury*, **14**, 22–26, 1985
2. N. D. Morrison and S. Gregory, “Astronomical Origins for Periodicities in the Geologic Record,” *Mercury*, **14**, 55–58, 1985
3. N. D. Morrison and S. Gregory, “The Exotic Atmosphere of Titan,” *Mercury*, **14**, 154–157, 1985
4. N. D. Morrison and S. Gregory, “The Eclipsing Binary DI Herculis: Conflict with General Relativity?,” *Mercury*, **14**, 186–188, 1985
5. N. D. Morrison and S. Gregory, “What Makes Massive Stars Explode?,” *Mercury*, **15**, 77–79, 1986
6. N. D. Morrison and S. Gregory, “The Puzzle of Epsilon Aurigae: Results from the Recent Eclipse,” *Mercury*, **15**, 177–180, 1986
7. N. D. Morrison and S. Gregory, “Voyager Discoveries at the Rings of Uranus,” *Mercury*, **16**, 58–62, 1987
8. N. D. Morrison, “A Refined View of Miranda,” *Mercury*, **18**, 55–61, 1989

D. Annual Observatory Reports: Ritter Astrophysical Research Center (compilations). The American Astronomical Society ended publication of these reports in 2006.

- | | |
|---|--|
| 1. <i>Bull. AAS</i> , 14 , 461–466, 1982 | 10. <i>Bull. AAS</i> , 29 , 635–640, 1997 |
| 2. <i>Bull. AAS</i> , 20 , 542–546, 1988 | 11. <i>Bull. AAS</i> , 30 , 656–662, 1998 |
| 3. <i>Bull. AAS</i> , 21 , 604–608, 1989 | 12. <i>Bull. AAS</i> , 31 , 563–569, 1999 |
| 4. <i>Bull. AAS</i> , 22 , 630–635, 1990 | 13. <i>Bull. AAS</i> , 32 , 533–540, 2000 |
| 5. <i>Bull. AAS</i> , 23 , 710–715, 1991 | 14. <i>Bull. AAS</i> , 33 , 611–618, 2001 |
| 6. <i>Bull. AAS</i> , 24 , 577–581, 1992 | 15. <i>Bull. AAS</i> , 34 , 471–477, 2002 |
| 7. <i>Bull. AAS</i> , 26 , 670–676, 1994 | 16. <i>Bull. AAS</i> , 35 , 470–475, 2003 |
| 8. <i>Bull. AAS</i> , 27 , 647–653, 1995 | 17. <i>Bull. AAS</i> , 36 , 482–488, 2004 |
| 9. <i>Bull. AAS</i> , 28 , 658–663, 1996 | 18. <i>Bull. AAS</i> , 37 , 308–315, 2005 |

Refereed publications

1. D. Morrison and N. D. Morrison, “A Photometric Study of BV 357,” *A. J.*, **73**, 777–780, 1968
2. N. D. Morrison and S. C. Wolff, “Photometry of Three Peculiar A-Type Stars,” *Pub. A. S. P.*, **83**, 474–477, 1971
3. B. Zellner and N. D. Morrison, “Wavelength Dependence of Polarization. XXII. Observations of Novae,” *A. J.*, **76**, 645–650, 1971
4. S. C. Wolff and N. D. Morrison, “Remarks on the Proposed Identification of Promethium in HR 465,” *Ap. J.*, **175**, 473–475, 1972
5. T. Simon, N. D. Morrison, S. C. Wolff, and D. Morrison, “Far-Infrared and *wby* Photometry of V1057 Cygni,” *Astr. Ap.*, **20**, 99–104, 1972
6. N. D. Morrison and S. C. Wolff, “Photometric Variability of the Wolf-Rayet Star CV Serpentis,” *Pub. A. S. P.*, **84**, 635–637, 1972
7. S. C. Wolff and N. D. Morrison, “A Search for Ap Stars with Very Long Periods,” *Pub. A. S. P.*, **85**, 141–149, 1973
8. S. C. Wolff and N. D. Morrison, “Spectroscopic Observations of HD 153919 (2U 1700-37),” *Ap. J.*, **187**, 69–72, 1974
9. D. Morrison, N. D. Morrison, and A. R. Lazarewicz, “Four-Color Photometry of the Galilean Satellites,” *Icarus*, **23**, 399–416, 1974
10. M. Noland, J. Veverka, D. Morrison, D. P. Cruikshank, A. R. Lazarewicz, N. D. Morrison, J. L. Elliot, J. Goguen, and J. A. Burns, “Six-Color Photometry of Iapetus, Titan, Rhea, Dione, and Tethys,” *Icarus*, **23**, 334–354, 1974
11. S. C. Wolff and N. D. Morrison, “Magnetic Field and Radial Velocity Variations of *a* Centauri,” *Pub. A. S. P.*, **86**, 935–939, 1974
12. S. C. Wolff and N. D. Morrison, “Photometry of Six Peculiar A-Type Stars,” *Pub. A. S. P.*, **87**, 231–236, 1975
13. N. D. Morrison, “Photometry of O-Type Stars, Interpreted with Reference to Model Atmospheres,” *Ap. J.*, **200**, 113–121, 1975
14. N. D. Morrison, “The Lines He I λ 3187 and He II λ 3203 in O-Type Stars,” *Ap. J.*, **202**, 433–438, 1975
15. N. D. Morrison and J. L. Linsky, “Photospheric Models of Solar Active Regions and the Network Based on the Mg II h and k Line Wings,” *Ap. J.*, **222**, 723–734, 1978
16. N. D. Morrison and P. S. Conti, “Spectroscopic Studies of O-Type Binaries. IV. HD 165052 and HD 167771,” *Ap. J.*, **224**, 558–564, 1978
17. J. L. Linsky, T. R. Ayres, G. S. Basri, N. D. Morrison, A. Boggess, F. H. Schiffer III, A. Holm, A. Casatella, A. Heck, F. Macchetto, D. Stickland, R. Wilson, C. Blanco, A. K. Dupree, C. Jordan, R. F. Wing, “IUE Observations of Cool stars: α Aurigae, HR 1099, λ Andromedae, and ϵ Eridani,” *Nature*, **275**, 389–394, 1978

18. N. D. Morrison and P. S. Conti, “Spectroscopic Studies of O-Type Binaries. VI. The Quadruple System QZ Carinae (HD 93206),” *Ap. J.*, **239**, 212–219, 1980
19. P. B. Kunasz and N. D. Morrison, “Mass Loss in Alpha Cygni: Synthetic H-Alpha Profiles,” *Ap. J.*, **263**, 226–238, 1982
20. P. B. Kunasz, N. D. Morrison, and B. Spessart, “Mass Loss in HR 1040 (A0Ia): Analysis of Mg II λ 2802 and H α ,” *Ap. J.*, **266**, 739–746, 1983
21. P. Rosenzweig and N. D. Morrison, “The Extinction Law in the Open Cluster NGC 457 and the Intrinsic Energy Distribution of φ Cassiopeiae (F0 Ia),” *Ap. J.*, **306**, 522–531, 1986
22. J. A. Grigsby and N. D. Morrison, “A New Be Star in an Open Cluster: NGC 6871–8,” *Pub. A. S. P.*, **100**, 830–833, 1988
23. V. S. Niemela and N. D. Morrison, “The O-Type Spectroscopic Binary System HD 165921,” *Pub. A. S. P.*, **100**, 1436–1442, 1988
24. N. D. Morrison and J. R. Zimba, “Unexpected Effects of a Trap in CCD Echelle Spectra of B-Type Stars,” *Pub. A. S. P.*, **102**, 682–687, 1990
25. J. A. Grigsby, N. D. Morrison, and L. S. Anderson, “Non-LTE, Line-Blanketed Model Atmospheres for Late O- and Early B-Type Stars,” *Ap. J. Suppl.*, **78**, 205–237, 1992
26. J. A. Grigsby and N. D. Morrison, “The Threshold for Stellar Winds in Hot Main-Sequence Stars,” *Ap. J.*, **442**, 794–811, 1995
27. C. A. Grady, M. R. Pérez, A. Talavera, K. S. Bjorkman, D. de Winter, P. S. Thé, F. J. Molster, M. E. van den Ancker, M. L. Sitko, N. D. Morrison, M. L. Beaver, B. McCollum, and M. W. Castelaz, “The β Pictoris Phenomenon Among Herbig Ae/Be Stars. UV and Optical High Dispersion Spectra,” *Astr. Ap. Suppl.*, **120**, 157–177, 1996
28. N. D. Morrison, D. C. Knauth, C. L. Mulliss, and W. Lee, “High-Resolution Optical Spectra of the Head of Comet C/1996 B2 (Hyakutake),” *Pub. A. S. P.*, **109**, 676–681, 1997
29. A. S. Miroshnichenko, C. L. Mulliss, K. S. Bjorkman, N. D. Morrison, Yu. V. Glagolevskij, and G. A. Chountonov, “High State of H α Emission Activity of the Herbig Be Star HD 200775,” *Pub. A. S. P.*, **110**, 883–887, 1998
30. A. S. Miroshnichenko, C. L. Mulliss, K. S. Bjorkman, N. D. Morrison, K. S. Kuratov, and J. P. Wisniewski, “Six Intermediate-Mass Stars with Far-Infrared Excess: A Search for Evolutionary Connections,” *M. N. R. A. S.*, **302**, 612–624, 1999
31. S. Marchenko, G. Rauw, E. Antokhina, I. Antokhin, D. Ballereau, J. Chauville, M. Corcoran, R. Costero, J. Echevarria, T. Eversberg, K. Gayley, G. Koenigsberger, A. Miroshnichenko, N. Morrell, A. Moffat, N. Morrison, C. Mulliss, J. Pittard, I. R. Stevens, J.-M. Vreux, and J. Zorec, “Coordinated Monitoring of the Eccentric O-star Binary Iota Orionis. II. Optical Spectroscopy and Photometry,” *M. N. R. A. S.*, **317**, 333–342, 2000
32. M. A. Pogodin, A. S. Miroshnichenko, K. S. Bjorkman, N. D. Morrison, and C. L. Mulliss 2000, “Spectroscopic Behaviour of the Herbig Be Star HD 200775 Around Its Maximum Activity in 1997,” *Astr. Ap.*, **359**, 299–305, 2000

33. G. Rauw, N. D. Morrison, J.-M. Vreux, E. Gosset, and C. L. Mulliss, “The Spectral Variability of HD 192639 and Its Implications for the Star’s Stellar Wind Structure,” *Astr. Ap.*, **366**, 585–597, 2000
34. 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. Neff, D. O’Neal, B. Scheers, and J. H. Telting, “A Search for the Cause of Cyclical Wind Variability in O stars,” *Astr. Ap.*, **368**, 601–621, 2001
35. W. J. Fischer and N. D. Morrison, “Spectrum Variability of the A-Type Supergiant Star HD 223960,” *Pub. A. S. P.*, **113**, 821–828, 2001
36. N. Markova, N. Morrison, I. Kolka, and H. Markov, “P Cygni in a Short S Dor Phase. Spectroscopic and Photometric Evidences,” *Astr. Ap.*, **376**, 898–905, 2001
37. A. S. Miroshnichenko, J. Fabregat, K. S. Bjorkman, D. C. Knauth, N. D. Morrison, A. E. Tarasov, P. Reig, I. Negueruela, and P. Blay, “Spectroscopic Observations of the δ Scorpii Binary During Its Recent Periastron Passage,” *Astr. Ap.*, **377**, 485–495, 2001
38. A. Lobel, A. K. Dupree, R. P. Stefanik, G. Torres, G. Israelian, N. Morrison, C. de Jager, H. Nieuwenhuijzen, I. Ilyin, and F. Musaev, “High-Resolution Spectroscopy of the Yellow Hypergiant ρ Cassiopeiae from 1993 Through the Outburst of 2000-2001,” *Ap. J.*, **583**, 923–954, 2003
39. A. S. Miroshnichenko, K. S. Bjorkman, N. D. Morrison, J. P. Wisniewski, N. Manset, H. Levato, M. Grosso, E. Pollmann, C. Buil, and D. C. Knauth, “Spectroscopy of the Growing Circumstellar Disk in the δ Scorpii Be Binary,” *Astr. Ap.*, **408**, 305–311, 2003
40. J. P. Wisniewski, N. D. Morrison, K. S. Bjorkman, A. S. Miroshnichenko, A. C. Gault, J. L. Hoffman, M. R. Meade, and J. M. Nett, “Spectroscopic and Spectropolarimetric Observations of V838 Monocerotis,” *Ap. J.*, **588**, 486–493, 2003
41. M. A. Pogodin, A. S. Miroshnichenko, A. E. Tarasov, M. P. Mitskevich, G. A. Chountonov, V. G. Klochkova, M. V. Yushkin, N. Manset, K. S. Bjorkman, N. D. Morrison, and J. P. Wisniewski, “A new phase of activity of the Herbig Be star HD 200775 in 2001: Evidence for binarity,” *Astr. Ap.*, **417**, 715–723, 2004
42. L. Lefèvre, S. V. Marchenko, S. Lépine, A. F. J. Moffat, A. Acker, T. J. Harries, K. Annuk, D. A. Bohlender, H. Demers, Y. Grosdidier, G. M. Hill, N. D. Morrison, D. C. Knauth, G. Skalkowski and S. Viti, “Spectroscopic study of the long-period dust-producing WC7pd+O9 binary HD192641,” *M. N. R. A. S.*, **360**, 141–152, 2005
43. N. Markova, R. K. Prinja, H. Markov, I. Kolka, N. Morrison, J. Percy, and S. Adelman, “Wind structure of late B supergiants. I. Multi-line analyses of near-surface and wind structure in HD 199478 (B8 Iae),” *Astr. Ap.*, **487**, 211–221, 2008