

# Dan Clemens - Curriculum Vitae

## EDUCATION

1985 Ph.D., Physics, University of Massachusetts  
1983 M.S., Astronomy, University of Massachusetts  
1980 M.S., Physics, University of Massachusetts  
1978 B.S., Physics, University of California at Davis  
1978 B.S., Electrical Engineering, University of California at Davis

## EMPLOYMENT

2002-Present - Professor, Boston University  
1999-2003 - Director, Institute for Astrophysical Research, Boston University  
1994-2002 - Associate Professor, Boston University  
1988-1994 - Assistant Professor, Boston University  
1987-1988 - Adjunct Assistant Professor, University of Arizona  
1985-1987 - Bart J. Bok Fellow, University of Arizona  
1978-1984 - Research Assistant, University of Massachusetts

## RESEARCH AREAS

Molecular Clouds, Star Formation, Galactic Structure  
Polarimetry, Instrumentation

## SOCIETIES/AWARDS

Metcalf Award for Excellence in Teaching (Boston University, 2000)  
American Astronomical Society  
International Astronomical Union  
Bart J. Bok Fellowship (1985-1987)  
Tau Beta Pi (1978)

**PROFESSIONAL ACTIVITIES:** ([click this link to view list](#))

**STUDENTS and POSTDOCS MENTORED** ([click this link to view list](#))

## COURSES TAUGHT

University of Arizona

- AST 100 - **Introductory Astronomy**
  - (F87; S88)

## Boston University

- CLA/CAS AS102 - **The Astronomical Universe**
  - (F89; F90; S92; F92; F94; F99; F00; F03; F04; F10)
- CLA/CAS AS312 - **Stellar and Galactic Astrophysics**
  - (S89; S90; S92; S94; S96; S97; S98; S99; S03)
- CLA/CAS AS401,2 - **Senior Distinction Thesis**
  - (F93; S94; F96; S97; F97; S98; F98; S99; F06; S07; F08; S09; F09; F10; S11; F11; S12)
- CLA/CAS AS441 - **Observational Astronomy**
  - (S9; S00; S01; S03; S04; S05; S06; S07; S08; S12)
- CLA AS491,2 - **Undergraduate Directed Study**
  - (F89; S90; S94; F06; S08)
- CLA AS591 - **Introduction to Astrophysics and Space Physics I**
  - (F91; F93)
- GRS AS699 - **Teaching in Astronomy**
  - (F98)
- GRS AS701 - **Introductory Astrophysics**
  - (F97; F06)
- GRS AS710 - **Observational Techniques**
  - (F01; F09; F11)
- GRS AS713 - **Astronomical Spectroscopy**
  - (F96; S07; S11; F12)
- GRS AS721 - **Observational Techniques**
  - (F91; F93)
- GRS AS751 - **Galactic Astronomy and the Interstellar Medium**
  - (F88; S93; F95; F05)
- GRS AS751 - **Interstellar Medium**
  - (F08; S13)
- GRS AS791 - **Special Topics (ISM II, III)**
  - (S06; F06)
- GRS AS803 - **Astronomical Data Analysis and Numerical Methods**
  - (S10)
- GRS AS850, 851 - **Astrophysics Seminar**
  - (F95, S10)
- GRS AS911,2 - **Graduate Directed Study**
  - (F90; S92; S99; F03; S04; F04; S05; F05; S06; F06; S07; F07; S08; F08; S09; F09)

**PUBLICATIONS LIST** ([click this link to view list](#))

**GRANTS LIST** ([click this link to view list](#))

# Dan Clemens: Research Students Mentored

## Undergraduate Students

- David Ciardi (1990-91) - Undergraduate Directed Study - Supervisor
- Thomas Skucas (1990) - Undergraduate Directed Study - Supervisor
- Michael Berkovitch (1993-94) - Summer REU (NSF), Senior Distinction Thesis - Supervisor
- Michael Cushing (1994-97) - Research Assistant, Senior Distinction Thesis - Supervisor
- Dawn Peterson (1995-98) - Research Assistant, Senior Distinction Thesis - Supervisor
- David Donovan (1995-99) - Research Assistant - Supervisor, Senior Distinction Thesis - Supervisor
- Paul Ilardi (1995-98) - Research Assistant - Supervisor
- Jason Wright (1995-99) - Research Assistant - Supervisor, Senior Distinction Thesis - Supervisor
- John Vaillancourt (1996) - Senior Distinction Thesis - Member, Examining Committee
- Albert Clayton (1997-98) - Research Assistant - Supervisor
- Paul Bowen (1997-99) - Research Assistant - Supervisor
- Merissa Rudkin (1997-99) - Research Assistant - Supervisor
- Francesca Simon (1997-98) - Research Assistant - Supervisor
- Joshua Shiode (2003-2007) - Research Assistant, Senior Distinction Thesis - Supervisor
- David Nero (2004) - Senior Distinction Thesis - Member, Examining Committee
- Shannon McCurdy (2004) - Senior Distinction Thesis - Member, Examining Committee
- Katherine Jameson (2005-2009) - Research Assistant - Supervisor; Senior Distinction Thesis - Advisor
- Michael Santiago-Gully (2006-2007) - Directed Study Student - Supervisor
- Julie Moreau (2008-current) - Research Assistant - Supervisor; Senior Distinction Thesis - Supervisor
- Rob Marchwinski (2009 - current) - Research Assistant - Supervisor
- Meredith Bartlett (2009 - 2011) - Research Assistant - Supervisor
- Nora Waton (2009 - 2010) - Research Assistant - Supervisor
- Pantelis Thomadis (2010-current) - Research Assistant - Supervisor
- Ian Santagata (2011-current) - Research Assistant - Supervisor

## Graduate Students

- Zhong Wang (1989) - PhD Boston University - Member, Examining Committee
- Xiaohui Hui (1992) - PhD Boston University - Member, Examining Committee

- Joao Yun (1993) - PhD Boston University - Dissertation Supervisor
- Randy Phelps (1993) - PhD Boston University - Member, Examining Committee
- Tom Kuchar (1993) - PhD Boston University - Member, Examining Committee
- Yun Fei Zhang (1995) - PhD Boston University - Member, Examining Committee
- Joao Alves (1995) - MA University of Lisbon - Member, Examining Committee
- Yangsheng Wang (1995) - PhD University of Texas - Member, Examining Committee
- Tim Paglione (1996) - PhD Boston University - Member, Examining Committee
- Brian Kane (1996) - PhD Boston University - Dissertation Supervisor
- Maureen Savage (1996) - MA Boston University - Member, Examining Committee
- Redgie Lancaster (1997) - PhD Boston University - Member, Examining Committee
- David Ciardi (1997) - PhD University of Wyoming - Member, Examining Committee
- Andrew Byrne (1997-1998) - MA Boston University - Masters Thesis Supervisor
- Diego Mardones (1998) - PhD Harvard - Member, Examining Committee
- Kimmo Lehtinen (1998) - PhD University of Helsinki - Official Opponent, Phd Examination
- James Ingalls (1998) - PhD Boston University - Member, Examining Committee
- A. N. Ramaprakash (1999) - PhD University of Pune, India - External Referee of Thesis
- Dan Eldredge (1999-01) - Supervisor
- Emily Mercer (2003-2007) - PhD Boston University - Dissertation Supervisor
- Francesca D'Arcangelo (2003) - Supervisor
- Nina Bonaventura (2005-2006) - Supervisor
- April Pinnick (2005-2011) - Supervisor
- Michael Pavel (2006-2012) - PhD Boston University - Supervisor / Major Professor
- Luke Boyle (2006-2007) - PhD Boston University - Member, Examining Committee
- Carol Carveth (2007) - Supervisor
- Loren Anderson (2009) - PhD Boston University - Member, Examining Committee
- Edward Chambers (2009) - PhD Boston University - Member, Examining Committee
- Susanna Finn (2011) - PhD Boston University - 2nd Dissertation Reader; Member, Examining Committee
- Lauren Cashman (2011-current) - Supervisor
- Sadia Hoq (2012-current) - Supervisor
- Jordan Montgomery (2012-current) - Supervisor

## Postdoctorals

- Dr. Kathleen Kraemer (1997-98) - Postdoctoral Research Associate - Supervisor

# Dan Clemens: Professional Activities List

## Astronomical Profession

- Haystack Observatory Committee on Operations and Plans - Member (1989-97)
- SIRTf Polarization Advisory Committee - Member (1989)
- Journal Referee:
  - Astrophysical Journal
  - Astronomical Journal
  - Publications of the Astronomical Society of the Pacific
  - Publications of the Astronomical Society of Japan
  - Astronomy and Astrophysics
- Chair, Scientific Conference "Clouds, Cores, and Low Mass Stars" (1994)
- Sponsor Reviewer: NSF, NASA
- SIRTf Community Task Force
  - Member, Co-Chair Legacy Subcommittee (1994-96)
- Five College Radio Astronomy Observatory Time Allocation Committee - Member (1994-96)
- NASA Astrophysics Data Program - Panel Review Chair (1995)
- Space Astrophysics Faculty Search Committee - Chair (1995)
- NSF Site Review, Owens Valley Millimeter Wave Interferometer - Member (1996)
- IPAC User's Committee - Member (1995-1998)
- NSF CAREER Program - Panel member (1998)
- Spitzer Space Telescope Science Users Panel - Member (2001 - 2004)
- NSF Galactic Astronomy Program - Panel member (2003)
- Gemini Observatory, Board of Directors - member (2006-2010)
- Associate Universities for Research in Astronomy (AURA)
  - Member Representative (2006-current);
  - Member, Board of Directors (2010-current);
  - Chairman, Board of Directors (2011-current)

## Boston University

- Academic Advisor
  - Astronomy Undergraduates (1989-current)
  - College of Liberal Arts (1991-94)
  - Freshman Summer Orientation Advisor (1992-01,08)
- Director of Undergraduate Studies, Astronomy Department (1990-98; 2010-current)
- Presidential University Graduate Fellowship Committee, Member (1992-95)
- CAS Academic Policy Committee - Chair (1995-96), Member (1996-98)
- CAS Dean's Advisory Committee - Member (1995-96)

- Star Formation Seminar - Chair (1996-97)
- Faculty Council - Member (1999-01)
- University Promotion and Tenure Committee (UPT) - Member (2003-2004)
- University Appointments, Promotion, and Tenure Committee (UAPT) - Member (2007-2008)
- Chair, Local Organizing Committee for International Scientific Conference "Milky Way Surveys: The Structure and Evolution of Our Galaxy" held at Boston University (2003)
- Scientific Instrument Facility Oversight Committee
  - Member (2003-04, 2006-current)
  - Chairman (2004-06)
- Metcalf Awards Selection Committee - Member (2005/2006)

## Dan Clemens: Funding Grants

1. ***Correlation of Molecular Clouds with IRAS Galactic Plane Emission***, Scoville, N. Z. (PI), and Clemens, D. P. (Co-PI), NASA, 6/85 - 5/86, \$24,000.
2. ***Star-Forming Properties and Galactic Locations of Correlated IRAS and CO Sources in the Galactic Plane***, Scoville, N. Z. (PI), and Clemens, D. P. (Co-PI), NASA, 6/86 - 5/87, \$25,000.
3. ***Comprehensive, Multi-Wavelength Study of Bok Globules: Embedded Infrared Sources and Cloud Heating***, Clemens, D. P. (PI), and Barvainis, R. E. (Co-PI), NASA, 8/86 - 7/87, \$20,000.
4. ***Star Formation in Bok Globules: Cloud Rotation and Embedded Magnetic Fields***, Clemens, D. P. (PI), Research Corporation, 7/86 - 6/87, \$3,000.
5. **The Star Formation Properties and Populations of Bok Globules: A Correlative Study under the Space Astrophysics Data Analysis Program**, Clemens, D. P. (PI), NASA, 6/87 - 5/88, \$24,500.
6. ***Astronomical Studies of Bok Globules: A High School - College Research Partnership***, Clemens, D. P. (PI), Research Corporation, 5/88 - 10/88, \$5,000.
7. ***Star Formation in Bok Globules: A Correlative Study of Far-Infrared Dust Morphologies under the Astrophysics Data Program***, Clemens, D. P. (PI), NASA, 5/88 - 4/89, \$30,000.
8. ***Extended Dust Structures in Massive Cloud Cores: Correlation of Unpolarized IRAS Dust Emission with Polarized 11mm Dust Emission***, Clemens, D. P. (PI), NASA, 6/89 - 5/90, \$31,000.
9. ***Physical Conditions in Bok Globules: A Correlative Study of Far-Infrared Dust Emission***, Clemens, D. P. (PI), NASA, 6/89 - 5/90, \$25,000.
10. ***Optical and Near-Infrared Studies of Bok Globules: Cloud Distances, Structures, and Magnetic Field Configurations***, Clemens, D. P. (PI), Leach, R. W. (Co-PI), and Janes, K. A. (Co-PI), NSF, 4/90 - 4/92, \$60,000.
11. ***Optical and Near-Infrared Studies of Bok Globules: Cloud Distances, Structures, and Magnetic Field Configurations (REU Supplement)***, Clemens, D. P. (PI), Leach, R. W. (Co-PI), and Janes, K. A. (Co-PI), NSF, 4/90 - 4/92, \$5,000.
12. ***Low Mass Stars in Bok Globules***, Clemens, D. P. (PI), NASA, 4/92 - 3/93, \$28,491.
13. ***Structure, Rotation, and Magnetic Fields in Starless Bok Globules***, Clemens, D. P. (PI), NSF, 3/93 - 8/96, \$183,779.
14. ***Structure, Rotation, and Magnetic Fields in Starless Bok Globules - REU Supplement***, Clemens, D. P. (PI), NSF, 6/93 - 5/9, \$5,000.
15. ***Protostar Catalog***, Clemens, D. P. (PI), Yun, J. (Co-I), NASA - Astrophysics Data Program, 4/94 - 3/98, \$88,729.
16. ***Block Grant for ISO Far-Infrared Space Studies***, Clemens, D. P. (PI), Jackson, J. M. (Co-I), and Bania, T. M. (Co-I), NASA/ISO, 5/96 - 8/98, \$205,000.
17. ***IMPP: The far-infrared IMaging Photometer and Polarimeter Design Study***, Clemens, D. P. (PI), Deutsch, L. K. (Co-I), Jackson, J. M. (Co-I), Yelle, R. (Co-I), and Bania, T. M. (Co-I), NASA/Airborne, 5/96 - 8/97, \$65,209.

18. ***ISO Star-formation and Magnetic Field Studies***, Clemens, D. P. (PI), NASA/JPL-ISO, 5/99 - 4/01, \$30,000.
19. ***Mimir: Multi-function Infrared Imaging Spectrograph***, Buie, M. W. (PI), Clemens, D. P. (Co-I/BU-PI), Dunham, E. W. (Co-I), Deutsch, L. K. (Co-I), Spencer, J. R. (Co-I), Yelle, R. V. (Collab.), Grundy, W. (Collab.), Stansberry, J. (Collab.), Young, L. (Collab.), & Janes, K. (Collab.), NASA/Planetary Astronomy, 5/99 - 4/00, \$185,000 total award [\$149,679 BU component].
20. ***Mimir: Multi-function Infrared Imaging Spectrograph***, Buie, M. W. (PI), Clemens, D. P. (Co-I/BU-PI), Dunham, E. W. (Co-I), Deutsch, L. K. (Co-I), Spencer, J. R. (Co-I), Yelle, R. V. (Collab.), Grundy, W. (Collab.), Stansberry, J. (Collab.), Young, L. (Collab.), & Janes, K. (Collab.), NASA/Planetary Astronomy, 5/00 - 4/02, \$380,800 total award [\$182,332 BU component].
21. ***Mimir: Multi-function Infrared Imaging Spectrograph - II. Imaging***, Clemens, D. P. (PI), NSF/ATI, 6/00 - 5/02, \$307,959.
22. ***Boston University Companion Cost Proposal to The SIRTf Galactic Plane Survey***, Clemens, D. P. (PI), NASA/SIRTf Science Center, 1/01 - 12/06, \$333,196.
23. ***Development of the Mimir Wide-Field Imaging Spectrometer and Polarimeter and a Pilot Magnetic Field Survey of the Galaxy***, Clemens, D. P. (PI), W. M. Keck Foundation, 01/01-12/03, \$500,000.
24. ***Mimir: Multi-function Infrared Imaging Spectrograph - II. Imaging: REU Supplement***, Clemens, D. P. (PI), NSF/ATI, 5/01 - 4/02, \$6,000.
25. ***Mimir: Multi-function Infrared Imaging Spectrograph - II. Imaging: Supplement #2***, Clemens, D. P. (PI), NSF/ATI, 5/01 - 4/02, \$29,779.
26. ***Mimir: Multi-function Infrared Imaging Spectrograph - II. Imaging: Supplement #3***, Clemens, D. P. (PI), NSF/ATI, 11/02 - 11/03, \$61,421.
27. ***International Conference: Milky Way Surveys: The Structure and Evolution of Our Galaxy***, Clemens, D. P. (PI), NASA, 4/03-4/04, \$16,473.
28. ***International Conference: Milky Way Surveys: The Structure and Evolution of Our Galaxy***, Clemens, D. P. (PI), NSF, 4/03-4/04, \$16,500.
29. ***The Galactic Plane Infrared Polarization Survey (GPIPS)***, Clemens, D. P. (PI), NSF, 7/1/06-6/30/09, \$665,077
30. ***Completing the Galactic Plane Infrared Polarization Survey (GPIPS)***, Clemens, D. P. (PI), NSF, 8/2/09-8/1/13, \$896,560
31. ***REU Supplement: Completing the Galactic Plane Infrared Polarization Survey (GPIPS)***, Clemens, D. P. (PI), NSF, 11/1/2010 - 10/31/2011, \$9,500



## Dan Clemens: Publications

### Refereed Journal Articles (most in PDF form - click links)

1. [Low-Noise 86-88 GHz Travelling Wave Maser](#), Sollner, T.C.L.G., Clemens, D.P., Korzeniowski, T.L., McIntosh, G.C., Moore, E.L., and Yngvesson, K.S., *Appl. Phys. Lett.*, 35, 833 (1979).
2. [Detection of J=5-4 SiO Masers in Late-Type Stars](#), Clemens, D.P., and Lane, A.P., *ApJ*, 226, L117 (1983).
3. [A Gravitationally Stable Bok Globule](#), Dickman, R.L., and Clemens, D.P., *ApJ*, 271, 143 (1983).
4. [A Search for Interstellar Silicon Nitride](#), Ziurys, L.M., Clemens, D.P., Saykally, R.J., Colvin, M., and Schaefer, H.F., *ApJ*, 281, 219 (1984).
5. [The Distribution of CO in the Galaxy for Longitudes 294 to 86 deg](#), Robinson, B.J., Manchester, R.N., Whiteoak, J.B., Sanders, D.B., Scoville, N.Z., Clemens, D.P., McCutcheon, W.H., and Solomon, P.M., *ApJ*, 283, L31 (1984).
6. [A Search for SiO Masers in Orion-like Regions](#), Barvainis, R., and Clemens, D.P., *AJ*, 89, 1983 (1984).
7. *Massachusetts--Stony Brook Galactic Plane CO Survey: Observations, Galactic Structure, and Cloud Identification*, Clemens, D.P., Ph.D thesis, University of Massachusetts (1985).
8. [Massachusetts--Stony Brook Galactic Plane CO Survey: The Galactic Disk Rotation Curve](#), Clemens, D.P., *ApJ*, 295, 422 (1985).
9. *Massachusetts--Stony Brook Galactic Plane CO Survey: I. (b,V) Maps of the First Quadrant*, Sanders, D.B., Clemens, D.P., Scoville, N.Z., and Solomon, P.M., *ApJS*, 60, 1 (1986). [about 300 pages, so PDF file not linked - see NASA ADS for download]
10. [Massachusetts--Stony Brook Galactic Plane CO Survey: II. \(l,V\) Maps of the First Quadrant](#), Clemens, D.P., Sanders, D.B., Scoville, N.Z., and Solomon, P.M., *ApJS*, 60, 297 (1986).
11. [The Lynds 204 Complex: Magnetic Field Controlled Evolution?](#) McCutcheon, W.H., Vrba, F.J., Dickman, R.L., and Clemens, D.P., *ApJ*, 309, 619 (1986).
12. [High Mass Star Formation Due to Cloud-Cloud Collisions](#), Scoville, N.Z., Sanders, D.B., and Clemens, D.P., *ApJ*, 310, L77 (1986).
13. [Where Massive Stars Form: The Association of Radio HII Regions and CO Clouds in the Northern Milky Way](#), Waller, W.H., Clemens, D.P., Sanders, D.B., and Scoville, N.Z., *ApJ*, 314, 397 (1987).
14. [Molecular Clouds and Cloud Cores in the Inner Galaxy](#), Scoville, N.Z., Yun, M.S., Clemens, D.P., Sanders, D.B., and Waller, W.H., *ApJS*, 63, 821 (1987).
15. *A CCD-Based Imaging Polarimeter for Astronomy*, Clemens, D.P., and Leach, R.W., *Optical Engineering*, Vol. 29, No. 9, 923 (1987).
16. [High Excitation SiO Masers in Late-Type Stars](#), Jewell, P.R., Dickinson, D.F., Snyder, L.E., and Clemens, D.P., *ApJ*, 323, 749 (1987).

17. [\*Polarimetry at 1.3 mm using MILLIPOL: Methods and Preliminary Results for Orion\*](#), Barvainis, R., Clemens, D. P., and Leach, R.W., AJ, 95, 510 (1988).
18. [\*The Large-Scale Distribution of Molecules in the Northern Galactic Disk\*](#), Clemens, D.P., Sanders, D.B., and Scoville, N.Z., ApJ, 327, 139 (1988).
19. [\*A Catalog of Small, Optically-Selected Molecular Clouds: Optical, Infrared, and Millimeter Properties\*](#), Clemens, D. P., and Barvainis, R., ApJS, 68, 257 (1988).
20. [\*The Optical Counterpart of the X-Ray Source H0253+193: A Distant, High Luminosity RS CVn System\*](#), Clemens, D. P., and Leach, R. W., ApJ, 345, 346 (1989).
21. [\*Towards Selection of Intermediate Magnitude Polarization Standards\*](#), Clemens, D. P., and Tapia, S., PASP, 102, 179 (1990).
22. [\*MILLIPOL, A Millimeter/Sub-millimeter Wavelength Polarimeter: Instrument, Operation, and Calibration\*](#), Clemens, D. P., Leach, R. W., Barvainis, R., and Kane, B. D., PASP, 102, 1064 (1990).
23. [\*Star Formation in Small Globules: Bart Bok was correct!\*](#) Yun, J. L., and Clemens, D. P., ApJ, 365, L73 (1990).
24. [\*Bok Globules and Small Molecular Clouds: Deep IRAS Photometry and 12CO Spectroscopy\*](#), Clemens, D. P., Yun, J. L., and Heyer, M. H., ApJS, 75, 877 (1991).
25. [\*Polarimetric Mapping of Orion using MILLIPOL: Magnetic Activity in BN/KL\*](#), Leach, R. W., Clemens, D. P., Kane, B. D., and Barvainis, R., ApJ, 370, 257 (1991).
26. [\*Radial Dust Density Profiles in Small Molecular Clouds\*](#), Yun, J. L., and Clemens, D. P., ApJ, 381, 474 (1991).
27. [\*Discovery of Outflows from Young Stellar Objects in Bok Globules\*](#), Yun, J. L., and Clemens, D. P., ApJ, 385, L21 (1992).
28. [\*The 2 M<sub>sun</sub> Bok Globule LBN 11: Sub-sonic Molecular Clumps in a Magnetic Environment\*](#), Clemens, D. P., Dickman, R. L., and Ciardi, D. R., AJ, 104, 2165 (1992).
29. [\*Magnetic Fields in Massive Cloud Cores: Comparison of MILLIPOL and IRAS Results\*](#), Kane, B. D., Clemens, D. P., Barvainis, R., and Leach, R. W., ApJ, 411, 708 (1993).
30. [\*Near-infrared Discovery of the L810 Nebula Illuminator\*](#), Yun, J. L., Clemens, D. P., McCaughrean, M., and Rieke, M., ApJ, 408, L101 (1993).
31. [\*Outflows from Young Stellar Objects in Bok Globules: Maps\*](#), Yun, J. L., and Clemens, D. P., ApJS, 92, 145 (1994).
32. [\*Dust Extinction and Molecular Gas in the Dark Cloud IC 5146\*](#), Lada, C. J., Lada, E. A., Clemens, D. P., and Bally, J., ApJ, 429, 694 (1994).
33. [\*Near-Infrared Imaging Survey of Young Stellar Objects in Bok Globules\*](#), Yun, J. L., & Clemens, D. P., AJ, 108, 612 (1994).
34. [\*A Search for Dense Gas in Quiescent Bok Globules\*](#), Kane, B. D., Clemens, D. P., and Myers, P., ApJ, 433, L49 (1994).
35. [\*Infrared Spectral Energy Distributions of Young Stellar Objects in Bok Globules\*](#), Yun, J. L., and Clemens, D. P., AJ, 109, 742 (1995).
36. [\*Magnetic Fields in Bok Globules: CCD Polarimetry of CB4\*](#), Kane, B. D., Clemens, D. P., Leach, R. W., & Barvainis, R., ApJ, 445, 269 (1995).
37. [\*Collapse Candidates Among the Bok Globules\*](#), Wang, Y., Evans, N. J., Zhou,

- S., & Clemens, D. P., ApJ, 454, 217 (1996).
38. [\*The Dense Core, Outflow, and "Jet" in L810: High-Resolution Haystack Observations at 13mm\*](#), Clemens, D. P., Berkovitch, M., Yun, J. L., Patel, N., & Xie, T., ApJ, 457, 743 (1996).
  39. [\*H<sub>2</sub> Imaging of Sandqvist 136: Shocked gas, Jets, and Knots\*](#), Yun, J. L., Clemens, D. P., Moreira, M. C., & Santos, N. C. ApJ, 479, L71. (1997).
  40. [\*Rotation of Starless Bok Globules\*](#), Kane, B. D., & Clemens, D. P., AJ, 113, 1799 (1997).
  41. [\*HCN in Bok Globules: A Good Tracer of Collapsing Cores\*](#), Afonso, J. M., Yun, J. L., & Clemens, D. P., AJ, 115, 1111 (1998).
  42. [\*Understanding the Star Formation Process in the Filamentary Dark Cloud GF-9: Near-Infrared Observations\*](#), Ciardi, D. R., Woodward, C. E., Clemens, D. P., Harker, D. E., & Rudy, R. J., AJ, 116, 349 (1998).
  43. [\*Photometric Distances to Dark Clouds: CB24\*](#), D. E. Peterson, & Clemens, D. P., AJ, 116, 881 (1998).
  44. [\*Survey of CS Emission in Bok Globules\*](#), Launhardt, R., Evans, N. J. II, Wang, Y., Clemens, D. P., Henning, Th., & Yun, J. L., ApJS, 119, 59 (1998).
  45. [\*HCN in cloud cores: a good tracer of collapse and Class 0 Young Stellar Objects\*](#), Yun, J. L., Moreira, M. C., Afonso, J. M., & Clemens, D. P., AJ, 118, 990 (1999).
  46. [\*Morphology and Energetics of the Molecular Gas within a Core and a Diffuse Region in the Filamentary Dark Cloud GF 9\*](#), Ciardi, D. R., Woodward, C. E., Clemens, D. P., Harker, D. E., & Rudy, R. J., AJ, 120, 393 (2000).
  47. [\*Two Distant Embedded Clusters in the Outer Galaxy\*](#), Santos, C. A., Yun, J. L., Clemens, D. P., & Agostinho, R. J., ApJ, 540, L87 (2000).
  48. [\*The Structure of Four Molecular Cloud Complexes in the BU-FCRAO Milky Way Galactic Ring Survey\*](#), Simon, R., Jackson, J. M., Clemens, D. P., Bania, T. M., & Heyer, M. H., ApJ, 551, 747 (2001).
  49. [\*Discovery of a molecular outflow, near-infrared jet and HH object towards IRAS 06047-1117\*](#), Yun, J. L., Santos, C. A., Clemens, D. P., Afonso, J. M., McCaughrean, M., Preibisch, T., Stanke, T., & Zinnecker, H., A&A, 372, L33 (2001).
  50. [\*H I Self-Absorption and the Kinematic Distance Ambiguity: The Case of the Molecular Cloud GRSMC 45.6+0.3\*](#), Jackson, J. M., Bania, T. M., Simon, R., Kolpak, M., Clemens, D. P., & Heyer, M., ApJ, 556, L81 (2002).
  51. [\*Comparison of 13CO and CS Emission in the Inner Galaxy\*](#), McQuinn, K. B. W., Simon, R., Law, C. J., Jackson, J. M., Bania, T. M., Clemens, D. P., & Heyer, M. H., ApJ, 576, 274 (2002).
  52. [\*Resolving the Kinematic Distance Ambiguity toward Galactic H II Regions\*](#), Kolpak, M. A., Jackson, J. M., Bania, T. M., Clemens, D. P., & Dickey, J. M., ApJ, 582, 756 (2003).
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