B. Scott Gaudi

Menzel Fellow
Harvard-Smithsonian Center for Astrophysics
Theoretical Astrophysics Division
60 Garden St.
Cambridge, MA 02138

Phone: 617-496-7947
Fax: 617-495-7093
Email: sgaudi@cfa.harvard.edu
http://cfa-www.harvard.edu/∼sgaudi

Employment

2003-present	Menzel Fellow, Harvard-Smithsonian CfA, Cambridge, MA
2000-2003	Member, Hubble Fellow, Institute for Advanced Study, Princeton, NJ
1998-2000	Research Assistant, The Ohio State University, Columbus, OH

Education

2000	Ph.D. in Astronomy, The Ohio State University Thesis: *Microlensing and the Search for Extrasolar Planets* Advisor: Andrew Gould
1998	M.S. in Astronomy, The Ohio State University
1995	B.S. in Astrophysics, Michigan State University Summa Cum Laude

Fellowships and Awards

2000	Hubble Fellowship
1999	Presidential Fellowship (Ohio State)
1994	Phi Beta Kappa (Michigan State)

Professional Activities

1998-present	Peer Reviewer for *A&A,ApJ,MNRAS, Nature*, and *New Astronomy*
1999-present	Member, *American Astronomical Society*
2001-2003	External Peer Reviewer for NASA *Origins of Solar Systems*

Students Supervised in Research

Christopher Burke	The Ohio State University, 2001-present, Ph.D. student. Two joint papers published/in preparation.
Joshua Pepper	The Ohio State University, 2003-present, Graduate student. Two joint papers published/submitted.
Joel Hartman	Harvard, 2004-present, Graduate student. Five joint papers published/submitted.
Cesar Fuentes	Harvard, 2005, Graduate student. One joint paper submitted.

External Grants and Proposals

2000-present	*Stellar, Remnant, Planetary, and Dark-Object Masses from Astrometric Microlensing* (Co-I), Andrew Gould PI, NASA SIM Key Project ($4,851,989)
2003-2005	*Survey for Transiting Extrasolar Planets in Stellar Systems* (Co-I), Darren DePoy PI, NASA Origins of Solar Systems ($163,131)
2004-2006	*Planet Search from High-Magnification Microlensing Events* (Co-I), Darren DePoy PI, NASA Origins of Solar Systems ($277,000)
2006-2008	*The Use of Transit Timing to Detect Extrasolar Planets (pending)* (Co-I), Matt Holman PI, NASA Origins of Solar Systems ($197,697)
2006-2008	*A High-Precision Transit Survey for Hot Jupiters and Hot Neptunes (pending)* (PI), NASA Origins of Solar Systems ($195,408)

Allocations of Telescope Time

MMT Observatory 6.5m, Mt. Hopkins, AZ, 28 nights in 2004-2005
Magellan, Clay 6.5m, Las Campanas, Chile, 0.5 night in 2004
MDM Observatory, Hiltner 2.4m, Kitt Peak, AZ, 40 nights in 2001-2003
MDM Observatory, McGraw-Hill 1.3m, Kitt Peak, AZ, 40 nights in 2001-2003
Lowell Observatory, Perkins 72in, Flagstaff, AZ, 20 nights in 1996-1997

Invited Talks

Seminar, UCLA, Los Angeles, CA, November 2005
Seminar, New York University, New York, NY, May 2005
Seminar, American Museum of Natural History, New York, NY, March, 2005
Seminar, University of British Columbia, Vancouver, BC, March 2005
Colloquium, McGill University, Montreal, Quebec, Canada, February 2005
Colloquium, MIT, Cambridge, MA, March, 2004
Colloquium, Columbia University, New York, NY, December 2003
Seminar, CITA, Toronto, ON, Canada, February 2003
TAC Seminar, UCB, Berkeley, CA, November 2002
Ringberg Workshop on Gravitational Lenses, Bavaria, Germany, July 2002
Lunch Talk, OCIW, Pasadena, CA, May 2002
Tea Talk, California Institute of Technology, Pasadena, CA, May 2002
Astrophysics Seminar, Rutgers University, Piscataway, NJ, April 2002
Theoretical Astrophysics Division Seminar, CfA, Cambridge, MA, April 2002
Applied Mathematics Seminar, Duke, Durham, NC, November, 2001
Astronomy Colloquium, Case Western Reserve University, Cleveland, OH, March 2001
Astronomy Colloquium, University of Pennsylvania, Philadelphia, PA, November 2000
Applied Mathematics Seminar, Duke, Durham, NC, March 2000
Astronomy Seminar, Columbia University, New York, NY, October 1999
Astrophysics Seminar, Institute for Advanced Study, Princeton, NJ, October 1999
Seminar, Space Telescope Science Institute, Baltimore, MD, March 1999
Lunch Talk, Leiden Observatory, Leiden, Netherlands, February 1998
Lunch Talk, Kapteyn Astronomical Institute, Groningen, Netherlands, February 1998

References ——— B. Scott Gaudi

Andrew Gould
Ohio State University
140 W. 18th Avenue
Columbus, OH 43210
gould@astronomy.ohio-state.edu

Matthew Holman
Harvard-Smithsonian Center for Astrophysics
60 Garden St.
Cambridge, MA 02138
mholman@cfa.harvard.edu

Dimitar Sasselov
Harvard-Smithsonian Center for Astrophysics
60 Garden St.
Cambridge, MA 02138
dsasselov@cfa.harvard.edu

Krzysztof Stanek
Ohio State University
140 W. 18th Avenue
Columbus, OH 43210
kstanek@astronomy.ohio-state.edu

Refereed Publications

55. "Frequency of Hot Jupiters and Very Hot Jupiters from the OGLE-III Transit Surveys Toward the Galactic Bulge and Carina."
Dorsher, S., Gould, A., **Gaudi, B.S.**, Pont, F., Udalski, A., in preparation

54. "Survey for Transiting Extrasolar Planets in Stellar Systems: III. Limits on the Fraction of Stars with Planets in the Open Cluster NGC 1245."
Burke, C.J., **Gaudi, B.S.**, Depoy, D.L., & Pogge, R., in preparation

53. "Toward the Detection of Transiting Hot Earths and Hot Neptunes in Galactic Open Clusters."
Pepper, J., & **Gaudi, B.S.** 2005, ApJL, submitted

52. "The Hypervelocity Star SDSS J090745.0+024507 is Variable."
Feuntes, C.I., Stanek, K.Z., **Gaudi, B.S.**, McLeod, B.A., Bogdanov, S., Hartman, J.D., Hickox, R.C., & Holman, M.J. 2005, ApJL, submitted

51. "Planetary Detection Efficiency of the Magnification 3000 Microlensing Event OGLE-2004-BLG-343."
Dong, S., DePoy, D.L., **Gaudi, B.S.**, Gould, A., Han, C., Park, B.-G., Pogge, R.W., Udalski, A., Szewczyk, O., Kubiak, M., Szymanski, M., Pietrzynski, G., Soszynski, I., Wyrzykowski, L., & Zebrun, K. 2004, ApJ, submitted

50. "Identifying Lensing by Small-Scale Structure. II. Fold Lenses."
Keeton, C. R., **Gaudi, B.S.**, & Petters, A.O. 2005, ApJ, accepted

49. "Astrometric Microlensing Constraints on a Massive Body in the Outer Solar System with Gaia."
Gaudi, B.S., & Bloom, J.S. 2005, ApJ, accepted

48. "Pushing the Limits of Ground-Based Photometric Precision – Sub-Millimagnitude Time-Series Photometry of the Open Cluster NGC 6791."
Hartman, J.D., Stanek, K.Z., **Gaudi, B.S.**, Holman, M.J., & McLeod, B.A. 2005, AJ, accepted

47. "Searching for Transiting Planets in Stellar Systems."
Pepper, J., & **Gaudi, B.S.** 2005, ApJ, 631, 581

46. "On the Rotation Period of (90377) Sedna."
Gaudi, B.S., Stanek, K.Z., Hartman, J.D., Holman, M.J., & McLeod, B.A. 2005, ApJ, 629, L49

45. "A Jovian-mass Planet in Microlensing Event OGLE-2005-BLG-071."
Udalski, A., Jaroszynski, M., Paczynski, B., Kubiak, M., Szymanski, M.K., Soszynski, I., Pietrzynski, G., Ulaczyk, K., Szewczyk, O., Soszynski, L., Christie, G.W., DePoy, D.L., Dong, S., Gal-Yam, A., **Gaudi, B.S.**, Gould, A., Han, C., Lepine, S., McCormick, J., Park, B.-G., Pogge, R.W., Bennett, D.P., Bond, I.A., Muraki, Y., Tristram, P.J., Yock, P.C.M., Beaulieu, J.P., Bramich, D.M., Dieters, S.W., Greenhill, J., Hill, K., Horne, K., Kubas, D. 2005, ApJL, 628, L109

44. “On the Size Distribution of Close-In Extrasolar Giant Planets.”
Gaudi, B.S. 2005, ApJ, 628, L73

43. “Deep Photometry of GRB 041006 Afterglow: Hypernova Bump at Redshift z=0.716.”
Stanek, K.Z., Garnavich, P.M., Nutzman, P.A., Hartman, J.D., Garg, A., Adelberger, K., Berlind, P., Bonanos, A.Z., Calkins, M.L., Challis, P., **Gaudi, B.S.**, Holman, M.J., Kirshner, R.P., McLeod, B.A., Osip, D., Pimenova, T., Reiprich, T.H., Romanishin, W., Spahr, T., Tegler, S.C., & Zhao, X. 2005, ApJ, 626, L5

42. “On the Period Distribution of Close-In Extrasolar Giant Planets.”
Gaudi, B.S., Seager, S., & Mallen-Ornelas, G. 2005, ApJ, 623, 472

41. “Microlensing Detection and Characterization of Wide-Separation Planets.”
Han, C., **Gaudi, B.S.**, An, J., & Gould, A. 2005, ApJ, 618, 962

40. “OGLE-2003-BLG-238: Microlensing Mass Estimate for an Isolated Star.”
Jiang, G., DePoy, D.L., Gal-Yam, A., **Gaudi, B.S.**, Gould, A., Han, C., Lipkin, Y., Maoz, D., Ofek, E.O., Park, B.-G., Pogge, R.W., Udalski, A., Soszynski, I., Wyrzykowski, L., Kubiak, M., Szymanski, M., Pietrzynski, G., Szewczyk, O., Zebrun, K. 2004, 617, 1307

38. “Constraints on Planetary Companions in the Magnification A=256 Microlensing Event OGLE-2003-BLG-423.” Yoo, J., DePoy, D.L., Gal-Yam, A., **Gaudi, B.S.**, Gould, A., Han, C., Lipkin, Y., Maoz, D., Ofek, E.O., Park, B.-G., Pogge, R.W., Udalski, A., Soszynski, I., Wyrzykowski, L., Kubiak, M., Szymanski, M., Pietrzynski, G., Szewczyk, O., Zebrun, K. 2004, 616, 1204

38. “Potential Direct Single-Star Mass Measurement.”
Ghosh, H., DePoy, D.L., Gal-Yam, A., **Gaudi, B.S.**, Gould, A., Han, C., Lipkin, Y., Maoz, D., Ofek, E.O., Park, B.-G., Pogge, R.W., Salim, S., Abe, F., Bennett, D.P., Bond, I.A., Eguchi, S., Furuta, Y., Hearnshaw, J.B., Kamiya, K., Kilmartin, P.M., Kurata, Y., Masuda, K., Matsubara, Y., Muraki, Y., Noda, S., Okajima, K., Rattenbury, N.J., Sako, T., Sekiguchi, T., Sullivan, D.J., Sumi, T., Tristram, P.J., Yanagisawa, T., Yock, P.C.M., Udalski, A., Soszynski, I., Wyrzykowski, L., Kubiak, M., Szymanski, M., Pietrzynski, G., Szewczyk, O., Zebrun, K., Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., Cassan, A., Coutures, C., Dominik, M., Donatowicz, J., Fouque, P., Greenhill, J., Hill, K., Horne, K., Jorgensen, U.G., Kane, S., Kubas, D., Martin, R., Menzies, J., Pollard, K.R., Sahu, K.C., Wambsganss, J., Watson, R., Williams, A. 2004, ApJ, 615, 450

37. “The Many Possible Interpretations of Microlensing Event OGLE-2002-BLG-055.”
Gaudi, B.S., & Han, C. 2004, ApJ, 611, 528

36. “Kepler and the Kuiper Belt.”
Gaudi, B.S. 2004, ApJ, 610, 1199

35. “MOA 2003-BLG-37: A Bulge Jerk-Parallax Microlens Degeneracy.”
DePoy, D.L., **Gaudi, B.S.**, Gould, A., Han, C., Park, B.-G., Pogge, R.W., Abe, F., Bennett, D.P., Bond, I.A., Eguchi, S., Furuta, Y., Hearnshaw, J.B., Kamiya, K., Kilmartin, P.M., Kurata, Y., Masuda, K., Matsubara, Y., Muraki, Y., Noda, S., Okajima, K., Rattenbury, N.J., Sako, T., Sekiguchi, T., Sullivan, D.J., Sumi, T., Tristram, P.J., Yanagisawa, T., Yock, P.C.M. 2004, ApJ, 609, 166

34. “Survey for Transiting Extrasolar Planets in Stellar Systems: I. Fundamental Parameters of the Open Cluster NGC 1245.”
Burke, C.J., **Gaudi, B.S.**, Depoy, D.L., Pogge, R., & Pinsonneault, M. 2004, AJ, 127, 2382

33. "OGLE-2003-BLG-262: Finite-Source Effects from a Point-Mass Lens." Yoo, J., DePoy, D.L., Gal-Yam, A., **Gaudi, B.S.**, Gould, A., Han, C., Lipkin, Y., Maoz, D., Ofek, E.O., Park, B.-G., Pogge, R.W., Udalski, A., Soszynski, I., Wyrzykowski, L., Kubiak, M., Szymanski, M., Pietrzynski, G., & Szewczyk, O., Zebrun, K. 2004, ApJ, 603, 139

32. "Identifying Lensing by Small-Scale Structure. I. Cusp Lenses."
Keeton, C.R., **Gaudi, B.S.**, & Petters, A.O. 2003, ApJ, 598, 138

31. "High-Precision Limb-Darkening Measurement of a K3 Giant Using Microlensing."
Fields, D.L, Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Jorgensen, U.G., Kane, S., Martin, R., Menzies, J., Pogge, R.W., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., Williams, A., Glicenstein, J.-F., Hauschildt, P.H. 2003, ApJ, 596, 1305

30. "Resolving the Microlens Mass Degeneracy for Earth-Mass Planets."
Gould, A., **Gaudi, B.S.**, & Han, C. 2003, ApJ, 591, L53

29. "Periodic Flux Variability of Stars due to the Reflex Doppler Effect Induced by Planetary Companions"
Loeb, A., & **Gaudi, B.S.** 2003, ApJ, 588, L117

28. "Probing Structures of Distant Extrasolar Planets with Microlensing."
Gaudi, B.S., Chang, H.-Y., & Han, C. 2003, ApJ, 586, 527

27. "Angular Radii of Stars Via Microlensing."
Gaudi, B.S., Graff, D.S., & Han, C. 2003, 586, 451

26. "Gravitational Microlensing Near Caustics II: Cusps."
Gaudi, B.S., & Petters, A.O. 2002, ApJ, 580, 468

25. "Gravitational Microlensing Near Caustics I: Folds."
Gaudi, B.S., & Petters, A.O. 2002, ApJ, 574, 970

24. "A Short, Non-Planetary, Microlensing Anomaly: Observations and Lightcurve Analysis of MACHO 99-BLG-47."
Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M., **Gaudi, B. S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Pogge, R.W., Pollard, K. R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., Williams, A. 2002, ApJ, 572, 1031

23. "First Microlens Mass Measurement: PLANET Photometry of EROS BLG-2000-5."
An, Jin H., Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Pogge, R.W., Pollard, K.R., Sackett, P. D., Sahu, K.C., Vermaak, P., Watson, R., & Williams, A. 2002, ApJ, 572, 521

22. "The PLANET Microlensing Follow-up Network: Results and Prospects for the Detection of Extra-solar Planets."
Dominik, M.; Albrow, M.D.; Beaulieu, J.-P.; Caldwell, J.A.R.; DePoy, D.L.; **Gaudi, B.S.**; Gould, A.; Greenhill, J.; Hill, K.; Kane, S.; Martin, R.; Menzies, J.; Naber, R.M.; Pel, J.-W.; Pogge, R.W.; Pollard, K.R.; Sackett, P.D.; Sahu, K.C.; Vermaak, P.; Watson, R.; & Williams, A. 2002, Planetary and Space Science, 50, 299

21. "Microlensing Constraints on the Frequency of Jupiter-Mass Companions: Analysis of Five Years of PLANET Photometry."
Gaudi, B.S., Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M., Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Naber, R.M., Pel, J.-W., Pogge, R.W., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Vreeswijk, P.M., Watson, R., & Williams, A. 2002, ApJ, 566, 463

20. "Interpreting the M22 Spike Events."
Gaudi, B.S. 2002, ApJ, 566, 452

19. "Microlensing and the Surface Brightness Profile of the Afterglow Image of GRB 000301C."
Gaudi, B.S., Granot, J., & Loeb, A. 2001, ApJ, 561, 178

18. "Resolving the Image of Gamma-Ray Burst Afterglows with Gravitational Microlensing."
Gaudi, B.S., & Loeb, A. 2001, ApJ, 558, 643

17. "Limits on the Abundance of Galactic Planets From Five Years of PLANET Observations."
Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Naber, R.M., Pel, J.-W., Pogge, R.W., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Vreeswijk, P.M., Watson, R., & Williams, A. 2001, ApJ, 557, L113

16. "PLANET Observations of Microlensing Event OGLE-1999-BUL-23: Limb Darkening Measurement of the Source Star."
Albrow, M.D., An, J., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Pogge, R.W., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., & Williams, A. 2001, ApJ, 549, 759

15. "Planetary Transits Toward the Galactic Bulge."
Gaudi, B.S. 2000, ApJ, 539, L59

14. "Direct Detection of Giant Close-In Planets Around the Source Stars of Caustic-Crossing Microlensing Events."
Graff, D.S. & **Gaudi, B. S.** 2000, ApJ, 538, L133

13. "Limits on Stellar and Planetary Companions in Microlensing Event OGLE-1998-BUL-14."
Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., DePoy, D.L., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Naber, R.M., Pogge, R.W., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., & Williams, A. 2000, ApJ, 535, 176

12. "Detection of Rotation in a Binary Microlens: PLANET Photometry of MACHO 97-BLG-41."
Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Naber, R.M., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., Williams, A., Bond, H. E., & van Bemmel, I.M. 2000, ApJ, 534, 894

11. "Combined Analysis of the Binary-Lens Caustic-Crossing Event MACHO 98-SMC-1."
Afonso, C., Alard, C., Albert, J.N., Andersen, J., Ansari, R., Aubourg, E., Bareyre, P., Bauer, F., Beaulieu, J.-P., Bouquet, A., Char, S., Charlot, X., Couchot, F., Coutures, C., Derue,

F., Ferlet, R., Glicenstein, J.F., Goldman, B., Gould, A., Graff, D., Gros, M., Haissinski, J., Hamilton, J.C., Hardin, D., de Kat, J., Kim, A., Lasserre, T., Lesquoy, E., Loup, C., Magneville, C., Marquette, J.B., Maurice, E., Milsztajn, A., Moniez, M., Palanque-Delabrouille, N., Perdereau, O., Prevot, L., Regnault, N., Rich, J., Spiro, M., Vidal-Madjar, A., Vigroux, L., Zylberajch, S., Alcock, C., Allsman, R.A., Alves, D., Axelrod, T.S., Becker, A.C., Cook, K.H., Drake, A.J., Freeman, K.C., Griest, K., King, L.J., Lehner, M.J., Marshall, S.L., Minniti, D., Peterson, B.A., Pratt, M.R., Quinn, P.J., Rodgers, A.W., Stetson, P.B., Stubbs, C.W., Sutherland, W., Tomaney, A., Vandehei, T., Rhie, S.H., Bennett, D.P., Fragile, P.C., Johnson, B.R., Quinn, J., Udalski, A., Kubiak, M., Szymanski, M., Pietrzynski, G., Wozniak, P., Zebrun, K., Albrow, M.D., Caldwell, J.A.R., DePoy, D.L., Dominik, M., **Gaudi, B.S.**, Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Naber, R.M., Pogge, R.W., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., & Williams, A. 2000, ApJ, 532, 340

10. "Detection Efficiencies of Microlensing Datasets to Stellar and Planetary Companions."
Gaudi, B.S. & Sackett, P.D., 2000, ApJ, 529, 56

9. "A Complete Set of Solutions for Caustic-Crossing Binary Microlensing Events."
Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., Depoy, D.L., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Naber, R.M., Pogge, R.W., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., & Williams, A. 1999, ApJ, 522, 1022

8. "Spectrophotometric Resolution of Stellar Surfaces with Microlensing."
Gaudi, B.S. & Gould, A. 1999, ApJ, 513, 619

7. "The Relative Lens-Source Proper Motion in MACHO 98-SMC-1."
Albrow, M.D., Beaulieu, J.-P., Caldwell, J.A.R., Depoy, D.L., Dominik, M., **Gaudi, B.S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Menzies, J., Naber, R.M., Pollard, K.R., Sackett, P.D., Sahu, K.C., Vermaak, P., Watson, R., Williams, A., & Pogge, R.W. 1999, ApJ, 512, 619

6. "Distinguishing Between Binary-Source and Planetary Microlensing Perturbations."
Gaudi, B.S. 1998, ApJ, 506, 533

5. "Microlensing by Multiple Planets in High Magnification Events."
Gaudi, B.S., Naber, R. M., & Sackett, P. D. 1998, ApJ, 502, L33

4. "Planet Parameters in Microlensing Events."
Gaudi, B.S. & Gould, A. 1997, ApJ, 486, 85

3. "Femtolens Imaging of a Quasar Central Engine Using a Dwarf Star Telescope."
Gould, A., & **Gaudi, B.S.** 1997, ApJ, 486, 687

2. "Detection Rates for Close Binaries Via Microlensing."
Gaudi, B.S. & Gould, A. 1997, ApJ, 482, 83

1. "Satellite Parallaxes of Lensing Events Toward the Galactic Bulge."
Gaudi, B.S. & Gould, A. 1997, ApJ, 477, 152

Conference Proceedings

8. "The Microlensing Planet Finder: Completing the Census of Extrasolar Planets in the Milky Way."
Bennett, D.P., Bond, I., Cheng, E., Friedman, S., Garnavich, P., **Gaudi, B. S.**, Gilliland, R., Gould, A., Greenhouse, M., Griest, K., Kimble, R., Lunine, J., Mather, J., Minniti, D., Niedner, M., Paczynski, B., Peale, S., Rauscher, B., Rich, M., Sahu, K., Tenerelli, D., Udalski, A., Woolf, N., & Yock, P., 2004, Proceedings of the SPIE, Vol. 5487, 1453

7. "Survey for Transiting Extrasolar Planets in Stellar Systems (STEPSS): The Frequency of Planets in NGC 1245."
Burke, C. J., DePoy, D. L., **Gaudi, B. S.**, Marshall, J. L., & Pogge, R. W. 2002, in ASP Conf. Ser. 294: Scientific Frontiers in Research on Extrasolar Planets, eds. D. Deming and S. Seager (ASP: San Francisco), 379

6. "Microlensing Searches for Extrasolar Planets: Current Status and Future Prospects."
Gaudi, B. S. 2002, in ASP Conf. Ser. 294: Scientific Frontiers in Research on Extrasolar Planets, eds. D. Deming and S. Seager (ASP: San Francisco), 79

5. "Microlensing Constraints on Low-Mass Companions."
Gaudi, B. S. 2002, in ASP Conf. Ser. 211: Brown Dwarfs, ed. E. Martin (ASP: San Francisco), 305

4. "Center of Light Curves for Whitney Fold and Cusp."
Gaudi, B. S., & Petters, A.O. 2001, in Proceedings of the Ninth Marcel Grossmann Meeting on General Relativity, eds. V. Gurzadyan, R. Jantzen, & R. Ruffini, (World Scientific: Singapore)

3. "Microlensing Constraints on the Frequency of Jupiter Mass Planets."
Gaudi, B. S., Albrow, M. D., An, J. H., Beaulieu, J.-P., Caldwell, J. A. R., Depoy, D. L., Dominik, M., Gould, A., Greenhill, J., Hill, K.,Kane, S., Martin, R., Menzies, J., Pogge, R. W., Pollard, K., Sackett, P. D., Sahu, K. C., Vermaak, P., Watson, R., & Williams, A. 2001, in ASP Conf. Ser. 239: Microlensing 2000: A New Era of Microlensing Astrophysics, ed. J.W. Menzies and P.D. Sackett (ASP: San Francisco), 135

2. "PLANET Observations of Anomalous Microlensing Events."
Menzies, J., Albrow, M. D., Beaulieu, J.-P., Caldwell, J. A. R., Depoy, D. L., **Gaudi, B. S.**, Gould, A., Greenhill, J., Hill, K., Kane, S., Martin, R., Dominik, M., Naber, R. M., Pogge, R. W., Pollard, K. R., Sackett, P. D., Sahu, K. C., Vermaak, P., Watson, R., & Williams, A. 2001, in ASP Conf. Ser. 239: Microlensing 2000: A New Era of Microlensing Astrophysics, ed. J.W. Menzies and P.D. Sackett (ASP: San Francisco), 109

1. "Variable Star Research by the PLANET Collaboration."
Albrow, M. D., Pollard, K. R., Beaulieu, J.-P., Caldwell, J. A. R., Menzies, J., Vermaak, P., Depoy, D. L., **Gaudi, B. S.**, Gould, A., Pogge, R. W., Dominik, M., Naber, R. M., Sackett, P. D., Greenhill, J., Hill, K., Kane, S., Watson, R., Martin, R., Williams, A., & Sahu, K.C. 2000, in ASP Conf. Ser. 203: The Impact of Large-Scale Surveys on Pulsating Star Research, 25