

Curriculum Vitae

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Educational Background

1973	Hamilton College	A.B. With Honors (Geology)
1978	California Institute of Technology	Ph.D. (Planetary Science)

Professional Employment

1973-1977	California Institute of Technology	Research Assistant
1977-1980	University of Massachusetts	Postdoctoral Research Associate and Lecturer
1980-1981	University of Massachusetts	Visiting Assistant Professor
1981-1985	University of Massachusetts	Assistant Professor
1984-1995	Five College Radio Astron. Obs.	Associate Director
1985-1986	California Institute of Technology	Visiting Assoc. in Planetary Science
1986-1991	University of Massachusetts	Associate Professor
1991-pres.	University of Massachusetts	Professor
1995-pres.	Five College Radio Astron. Obs.	Director
1996-2005	Large Millimeter Telescope Project	UMass Project Scientist
1998-2000	Five College Astronomy Dept.	Chair
2004-pres.	Large Millimeter Telescope Project	UMass Project Director
2014-pres.	NASA Jet Propulsion Laboratory	Affiliate

Academic and Professional Honors

1973	Rogers Prize in Geology - Hamilton College
1976-1977	Achievement Rewards for College Scientists (ARCS) Fellow - Caltech
1999	Asteroid 9273 (Schloerb)
2011	NASA Group Achievement Award - MIRO Flight Operations Team
2015	NASA Group Achievement Award - US Rosetta Pre-Landing Support Team
2019	Outstanding Service and Engagement Award - UMass College of Natural Sciences
2020	Breakthrough Prize in Fundamental Physics presented to Event Horizon Telescope Collaboration

Research Specialization

Planetary Radio Astronomy; Astrophysics of Molecular Clouds; Physics and Chemistry of Comets; Optical-Infrared Interferometry; Radio Telescopes

Scholarly Activities

- American Astronomical Society
- AAS Division of Planetary Sciences
- International Astronomical Union
- International Union of Radio Science (URSI)
- International Halley Watch Discipline Scientist in Radio Astronomy (1981-89)
- NASA PIDDP Co-Investigator, MSAR Development (1984-90)
- NASA Management and Operations Working Group for Planetary Astronomy (1986-99)
- Science Coordination Group for NASA LDR Program (1987-89)
- Infrared Optical Telescope Array Project (1987-2006)
- Planetary Panel of Astron. and Astrophys. Survey Committee (1989-90)
- Science Working Group for National Radio Astronomy Observatory Green Bank Telescope Project (1989-1995)
- National Radio Astronomy Observatory Users Committee (1990-93)
- National Radio Astronomy Observatory Millimeter Array Advisory Committee (1995-97)
- Arecibo Observatory Users and Scientific Advisory Committee (Member 1995-1996; Chair 1997)
- National Radio Astronomy Observatory Program Advisory Committee (1999-2004)
- Microwave Instrument for Rosetta Orbiter Science Team (1999-2019)
- National Research Council Committee on Radio Frequencies (2000-2006)
- Arecibo Observatory Visiting Committee (2003-2005)
- Event Horizon Telescope Collaboration (2018-present)

Theses Directed

1. John C. Good, U.Massachusetts, Ph.D. 1983, MM Wavelength Radio Measurements of the Abundances of SO₂ and CO in the Atmospheres of Venus and Mars.
2. Daryl A. Swade, U.Massachusetts Ph.D. 1987, The Physics and Chemistry of Dark Molecular Clouds: A Detailed Study of L134N.
3. Lowell E. Tacconi-Garman, U.Massachusetts Ph.D. 1989, Kinematic Models of Cometary Comae.
4. James A. Morgan, U.Massachusetts Ph.D. 1990, Molecular Outflows in the L1641 Region of Orion.
5. Weiguo Ge, U.Massachusetts Ph.D. 1993, Cometary Molecules
6. Amy J. Lovell, U. Massachusetts Ph.D. 1999, Millimeter-wave Molecular Mapping of Comets Hyakutake and Hale-Bopp.

7. Rafael Millan-Gabet, U. Massachusetts Ph.D. 1999, Investigation of Herbig Ae/Be Stars in the Near-Infrared with a Long Baseline Interferometer.
8. Stefan Kraus, U. Massachusetts M.S. 2003, Infrared Aperture Synthesis Imaging of Close Binary Stars with the IOTA.

Refereed Journal Publications

1. Infrared Imaging of Venus: 8-14 Micrometers, Diner, D.J., Westphal, J.A., and Schloerb, F.P., ICARUS, 27, 191 (1975).
2. Lunar Heat Flow and Regolith Structure Inferred from Interferometric Observations at a Wavelength of 49.3 cm, Schloerb, F.P., Muhleman, D.O., and Berge, G.L., ICARUS, 29, 329 (1976).
3. A Search for Millimeter-Wave Emission from HCN, CO and CH₃CN in Comet Bradfield (1978c), Schloerb, F.P., Irvine, W.M., and Robinson, S.E., ICARUS, 38, 392 (1979).
4. Interferometric Observations of Saturn and Its Rings at a Wavelength of 3.71 cm, Schloerb, F.P., Muhleman, D.O., and Berge, G.L., ICARUS, 39, 214 (1979).
5. An Aperture Synthesis Study of Saturn and Its Rings at 3.71 cm Wavelength, Schloerb, F.P., Muhleman, D.O., and Berge, G.L., ICARUS, 39, 232 (1979).
6. Small Scale Structure of the CO Emission in S255 from Lunar Occultation Observations, Schloerb, F.P. and Scoville, N.Z., Ap.J., 253, L33 (1980).
7. Thermal History, Chemical Composition and Relationship of Comets to the Origin of Life, Irvine, W.M., Leschine, S.B., and Schloerb, F.P., Nature, 283, 748 (1980).
8. Interferometry of Saturn and its Rings at 1.30 cm Wavelength, Schloerb, F.P., Muhleman, D.O., and Berge, G.L., ICARUS, 42, 125 (1980).
9. High Angular Resolution Observations of CS in the Orion Nebula, Goldsmith, P.F., Langer, W.D., Schloerb, F.P., and Scoville, N.Z., Ap.J., 240, 524 (1980).
10. Detection of Deuterated Cyanoacetylene in the Interstellar Cloud TMC 1, Langer, W.D., Schloerb, F.P., Snell, R.L., and Young, J.S., Ap.J.(Lett.), 239, L125 (1980).
11. Observations of CO in the Stratosphere of Venus via its J=0-1 Rotational Transition, Schloerb, F.P., Robinson, S.E., and Irvine, W.M., ICARUS, 43, 121 (1980).
12. Observations of HC₃N, HC₅N and HC₇N in Molecular Clouds, Snell, R.L., Schloerb, F.P., Young, J.S., Hjalmarsen, Aa., and Friberg, P., Ap.J., 244, 45 (1981).
13. A Search for the 1.35-cm Line of H₂O in Comets Kohler (1977XIV) and Meier (1978XII), Crovisier, J., Despois, D., Gerard, E., Irvine, W.M., Kazes, I., Robinson, S.E., and Schloerb, F.P., Astron.Astrophys., 97, 195 (1981).

14. Lunar Occultation of the CO Emission from the Biconical Nebula Lk H-alpha 208, Good, J., Scoville, N.Z., Schloerb, F.P., and Bally, J., *Astron.J.*, 86, 892 (1981).
15. Martian CO Abundance from the J = 1-0 Rotational Transition: Evidence for Temporal Variations, Good, J.C. and Schloerb, F.P., *ICARUS*, 47, 166 (1981).
16. A Search for Millimeter-Wave Emission from HCN and Other Molecules in Comet Bradfield (1979Y), Ekelund, L., Irvine, W.M., Andersson, Ch., Schloerb, F.P., and Robinson, S.E., *ICARUS*, 47, 431 (1981).
17. Detection of Deuteriocyanoacetylene in the Interstellar Cloud TMC 1, Schloerb, F.P., Snell, R.L., Langer, W.D., and Young, J.S., *Ap.J.(Lett.)*, 251, L37 (1981).
18. Interstellar Chemistry: Polycyanoacetylene Formation, Langer, W.D., Schloerb, F.P., Snell, R.L., and Young, J.S., *Science*, 214, 688 (1981).
19. Observations of Sulfur Dioxide in the Kleinmann-Low Nebula, Schloerb, F.P., Friberg, P., Hjalmarsen, Aa., Hoglund, B., and Irvine, W.M., *Ap.J.*, 264, 161-171 (1983).
20. Structure of Dense Molecular Gas in TMC 1 from Observations of Three Transitions of HC₃N, Schloerb, F.P., Snell, R.L., and Young, J.S., *Ap.J.*, 267, 163-173 (1983)
21. Limits on Venus' SO₂ Abundance Profile from Interferometric Observations at 3.4 mm Wavelength, Good, J.C. and Schloerb, F.P., *ICARUS*, 53, 538-547 (1983).
22. Observations of SO₂ and HC₅N in Cold Molecular Clouds, Irvine, W.M., Good, J.C., and Schloerb, F.P., *Astronomy and Astrophysics*, 127, L10-L13 (1983).
23. Cyanide and Isocyanide Abundances in the Cold, Dark Cloud TMC-1, Irvine, W.M., and Schloerb, F.P., *Ap.J.*, 282, 516-521 (1984).
24. Large-Scale Structure of Molecular Gas in Heiles Cloud 2: A Remarkable Rotating Ring, Schloerb, F.P. and Snell, R.L., *Ap.J.*, 283, 129-139 (1984).
25. The Chemical State of Dense Interstellar Clouds, Irvine, W.M., Schloerb, F.P., Hjalmarsen, Aa, and Herbst, E., in *Protostars and Planets II*, ed. D. Black, Univ. Arizona Press (1984).
26. Hydrogen Cyanide in Comets - Excitation Conditions and Radio Observations of Comet IRAS-Araki-Alcock (1983d), Bockelee-Morvan, D., Crovisier, J., Baudry, A., Despois, D., Perault, M., Irvine, W.M., Schloerb, F.P., and Swade, D., *Astron. Astrophys.*, 141, 411 (1984).
27. Radioastronomical Observations of Comets IRAS-Araki-Alcock (1973d) and Sugano-Saigusa-Fujikawa (1983e), Irvine, W.M., Abraham, Z., A'Hearn, M., Altenhoff, W., Andersson, Ch., Bally, J., Batrla, W., Baudry, A., Bockelee-Morvan, D., Crovisier, J., de Pater, I.K., Despois, D., Ekelund, L., Gerard, E., Heiles, C., Hollis, J.M., Huchtmeier, W., Levreault, R., Masson, C.R.,

Palmer, P., Perault, M., Rickard, L.J., Sargent, A.I., Scalise, E., Schloerb, F.P., Schmidt, S., Stark, A.A., Stumpff, P., Sutton, E., Swade, D., Sykes, M., Turner, B., Wade, C., Walmsley, M., Webber, J., Winnberg, A., and Wootten, A., ICARUS, 60, 215 (1984).

28. Search for Molecular Oxygen in Dense Interstellar Clouds, Goldsmith, P.F., Snell, R.L., Erickson, N.R., Dickman, R.L., Schloerb, F.P., and Irvine, W.M., Astrophys.J., 289, 613 (1985).

29. CO Emission from IRAS Galaxies, Young, J.S., Kenney, J., Lord, S.D., and Schloerb, F.P., Astrophys.J.(Lett.), 287, L65 (1984).

30. A Catalogue of Radio Sources to be Occulted by Comets P/Halley and P/Giacobini-Zinner, de Pater, Imke, Schloerb, F.P., and Johnson, A.H., Astron.J., 90, 846 (1985).

31. Models of Cometary Emission in the 18 cm OH Transitions: The Predicted Behavior of Comet Halley, Schloerb, F.P., and Gerard, E., Astron.J., 90, 1117 (1985).

32. Structure and Physical Properties of the Bipolar Outflow L1551, Snell, R.L., and Schloerb, F.P., Astrophys.J., 295, 490 (1985).

33. Radio Observations of OH in Comet Crommelin 1983, Bockelee-Morvan D., Crovisier, J., Gerard, E., Henkel, C., Jewell, P.R., Snyder, L.E., Clemens, C.A., Molloy, A.R., Schloerb, F.P., Astron.J., 90, 2586 (1985).

34. CO Observations of Infrared Bright Galaxies, Young, J.S., Schloerb, F.P., Kenney, J.D., and Lord, S.D., Astrophys.J., 304, 443 (1986).

35. Molecular Gas in High Luminosity IRAS Galaxies, Sanders, D.B., Scoville, N.Z., Young, J.S., Soifer, B.T., Schloerb, F.P., Rice, W.L., and Danielson, G.E., Astrophys.J., 305, L45 (1986).

36. Carbon Monoxide as an Extragalactic Mass Tracer, Dickman, R.L., Snell, R.L., and Schloerb, F.P., Astrophys.J., 309, 326 (1986).

37. HCN Production from Comet Halley, Schloerb, F.P., Kinzel, W.K., Swade, D.A., and Irvine, W.M., Astrophys.J.(Lett.), 310, L55 (1986).

38. The Molecular Context of Interacting and Isolated Galaxies: The Effect of Environment on the Efficiency of Star Formation, Young, J.S., Kenney, J.D., Tacconi, L., Claussen, M.J., Huang, Y.-L., Tacconi-Garman, L., Xie, S., Schloerb, F.P., Ap.J. (Lett.), 311, L17 (1986).

39. 1300 micron Continuum and C¹⁸O Line Mapping of the Giant Molecular Cloud Cores in Orion, W49 and W51, Schloerb, F.P., Snell, R.L., and Schwartz, P.R., Astrophys.J., 319, 426 (1987).

40. High Resolution Images of the L1551 Bipolar Outflow: Evidence for an

Expanding Accelerated Shell, Moriarty-Schieven, G., Snell, R.L., Strom, S.E., Schloerb, F.P., Strom, K.M., and Grasdalen, G.L., *Astrophys.J.*, 319, 742 (1987).

41. The Magnetic Evolution of the Taurus Clouds I. Large Scale Properties, Heyer, M.H., Vrba, F.J., Snell, R.L., Schloerb, F.P., Strom, S.E., Goldsmith, P.F., Strom, K.M., *Astrophys.J.*, 321, 855 (1987).

42. OH Radio Observations of Comet Halley, Schloerb, F.P., Claussen, M.J., Tacconi-Garman, L., *Astron.Astrophys.*, 187, 469 (1987).

43. Observations of HCN in Comet Halley, Schloerb, F.P., Kinzel, W.M., Swade, D.A., and Irvine, W., *Astron.Astrophys.*, 187, 475 (1987).

44. Collisional Quenching of Cometary Emission in the 18-cm OH Transitions, Schloerb, F.P., *Astrophys.J.*, 332, 524 (1988).

45. 1300 micron Continuum and C18O Line Mapping of Giant Molecular Clouds II: W3, NGC2264, NGC6334, rho Oph, and S140, Schwartz, P.R., Snell, R.L., and Schloerb, F.P., *Astrophys.J.*, 336, 519 (1989).

46. Comparison of the Far Infrared and Carbon Monoxide Emission in Heiles' Cloud 2 and B18, Snell, R.L., H-Heyer, M., and Schloerb, F.P., *Astrophys.J.*, 337, 739 (1989).

47. A CO and Far-Infrared Study of the S254-S258 Region, Heyer, M.H., Snell, R.L., Morgan, J., and Schloerb, F.P., *Astrophys. J.* 346, 220 (1989).

48. A Search for the Millimetre Lines of HCN in Comets Wilson 1987 VII and Machholz 1988 XV, Crovisier, J., Despois, D., Bockelee-Morvan, D., Gerard, E., Paubert, G., Johansson, L.E.B., Ekelund, L., Winnberg, A., Ge, W., Irvine, W.M., Kinzel, W.M., Schloerb, F.P. *Astronomy and Astrophysics*, 234, 535, (1990).

49. Molecular Clouds Associated with Luminous Far-Infrared Sources in the Outer Galaxy, Carpenter, J.M., Snell, R.L., Schloerb, F.P. *Astrophys. J.*, 362, 147, (1990).

50. High Spectral Resolution Observations and Kinematic Modelling of the 1667 MHz Hyperfine Transition of OH in Comets Halley (1982i), Giacobini-Zinner (1984e), Hartley-Good (1985l), Thiele (1985m), and Wilson (1986f), Tacconi-Garman, L., Schloerb, F.P., and Claussen M.J., *Astrophys. J.*, 364, 672, (1990).

51. Venus Imaged with the Hat Creek Interferometer in the J=1-0 CO Line, de Pater, I., Schloerb, F.P., Rudolph, A., *ICARUS*, 90, 282, (1991).

52. Molecular Outflows Associated with Young Stellar Objects in the L1641 Region of Orion, Morgan, J.A., Schloerb, F.P., Snell, R.L., and Bally, J. *Astrophys.J.* 376, 618, (1991).

53. A Source Model for the L134N Molecular Cloud, Swade, D.A. and Schloerb, F.P.. *Astrophys. J.* 392, 345 (1992).

54. Evidence for Large Scale Expanding Motions within the Orion A Molecular Cloud, Heyer, M.H., Morgan, J., Schloerb, F.P., Snell, R.L., and Goldsmith, P.F. *Astrophys. J.*

395, L99 (1992).

55. A Search for Remnant Molecular Disks Around Young Stars, Skrutskie, M., Snell, R.L., Dutkevich, D., Strom, S., Schloerb, F.P., and Dickman, R.L. *Astron. J.* 102, 1749 (1992).

56. Embedded Star Clusters Associated with Luminous IRAS Point Sources, Carpenter, J., Snell, R.L., Schloerb, F.P., and Skrutskie, M.F. *Astrophys. J.* 407, 657 (1993).

57. A ^{12}CO , ^{13}CO , and CS Study of NGC2146 and IC342, Xie, S., Young, J., and Schloerb, F.P. *Astrophys. J.* 421, 434 (1994).

58. First 2.2 μm Results from the IOTA Interferometer, Dyck, H.M., Benson, J.A., Carelton, N.P., Coldwell, C., Lacasse, M.G., Nisenson, P., Panasyuk, A., Papaliolios, C., Pearlman, M.R., Reasenberg, R.D., Traub, W.A., Xu, X., Predmore, R., Schloerb, F.P., and Gibson, D. *Astron. J.* 109, 378 (1995).

59. Anatomy of the Gem OB1 Molecular Cloud Complex, Carpenter, J.M., Snell, R.L., and Schloerb, F.P. *Astrophys. J.* 445, 246 (1995).

60. The FCRAO Extragalactic CO Survey I. The Data, Young, J.S., Xie, S., Tacconi, L., Knezek, P., Viscuso, P., Tacconi-Garman, L., Scoville, N., Schneider, S., Schloerb, F.P., Lord, S., Lesser, A., Kenney, J., Huang, Y.-L., Devereux, N., Claussen, M., Case, J., Carpenter, J., Berry, M., and Allen, L., *Astrophys. J. Suppl.* 421, 219, (1995).

61. Star Formation in the Gem OB1 Molecular Cloud Complex, Carpenter, J.M., Snell, R.L., and Schloerb, F.P. *Astrophys. J.* 450, 201 (1995).

62. Imaging a Binary Star with a Two-Telescope Michelson Stellar Interferometer, Dyck, H.M., Benson, J.A., and Schloerb, F.P. *Astron. J.* 110, 1433 (1995).

63. A Massive Cometary Cloud Associated with IC 1805, Heyer, M.H., Brunt, C., Snell, R.L., Howe, J., Schloerb, F.P., Carpenter, J.C., Normandeau, S., Taylor, A.R., Dewdney, P.E., Cao, Y., Terebey, S., and Beichman, C.A., *Astrophys. J. (Letters)*, 464, L175 (1996).

64. Interstellar and Cometary Ices: Molecular Emission from Comet 1996 B2, Irvine, W.M., Lovell, A.J., Schloerb, F.P., Senay, M., Jewitt, D., Owen, T., Matthews, H.E., Biver, N., Bockelee-Borvan, D., Crovisier, J., Gautier, D., and Rauer, H., *Origins Life Evol. Biosphere* 26, 325 (1996).

65. Spectroscopic Evidence for Interstellar Ices in Comet Hyakutake (C/1996 B2)?, Irvine, W.M., Bockelee-Morvan, D., Lis, D., Matthews, H.E., Biver, N., Crovisier, J., Davies, J.K., Dent, W.R.F., Gautier, D., Godfrey, P.D., Keene, J., Lovell, A.J., Owen, T.C., Phillips, T.G., Rauer, H., Schloerb, F.P., Senay, M., and Young, K. *Nature* 383, 418 (1996).

66. A Massive Cometary Cloud Associated with IC 1805: Erratum, Heyer, Mark H.; Brunt, Christopher; Snell, Ronald L.; Howe, John; Schloerb, F.P.; Carpenter, John M.;

Normandeau, M.; Taylor, A. R.; Dewdney, P. E.; Cao, Y.; Terebey, S.; and Beichman, C. A. *Astrophysical Journal Letters* v.469, p.L139 (1996).

67. Application of Principal Component Analysis to Large Scale Spectral Line Imaging Studies of the Interstellar Medium, Heyer, M.H. and Schloerb, F.P., *Astrophys. J.*, 475, 173 (1997)

68. Chemical and Physical Gradients along the OMC-1 Ridge, Ungerechts, H., Bergin, E.A., Goldsmith, P.F., Irvine, W.M., Schloerb, F.P., and Snell, R.L. *Astrophys. J.*, 482, 245 (1997).

69. A Survey of the Physical and Chemical Properties of the M17 and Cepheus A Cloud Cores, Bergin, E.A., Ungerechts, H., Goldsmith, P.F., Snell, R.L., Irvine, W.M., and Schloerb, F.P., *Astrophys. J.*, 482, 267 (1997).

70. A Study of the Physics and Chemistry of TMC-1, Pratap, P., Dickens, J., Snell, R., Miralles, M., Bergin, E., Irvine, W., and Schloerb, F.P., *Astrophys. J.*, 486, 862 (1997).

71. The Five College Radio Astronomy Observatory CO Survey of the Outer Galaxy, Heyer, M.H., Brunt, C., Snell, R.L., Howe, J.E., Schloerb, F.P., and Carpenter, J.M., *Astrophys. J. Suppl.*, 115, 241 (1998).

72. HCO⁺ Imaging of Comet C/1995 O1 Hale-Bopp, Lovell, A.J., Schloerb, F.P., Dickens, J.E., DeVries, C.H., Senay, M.C., and Irvine, W.M., *Astrophys. J. Lett.*, 497, L117 (1998).

73. The HNC/HCN Ratio in Comets, Irvine, W.M., Dickens, J.E., Lovell, A.J., Schloerb, F.P., Senay, M., Bergin, E.A., Jewitt, D., and Matthews, H.E., *Earth, Moon and Planets*, 78, 29 (1997).

74. HCO⁺ in the Coma of Comet C/1995 O1 Hale-Bopp, Lovell, A.J., Schloerb, F.P., Bergin, E.A., Dickens, J.E., DeVries, C.H., Senay, M.C., and Irvine, W.M., *Earth, Moon and Planets* 77, 253 (1997).

75. Collisional Quenching of OH Radio Emission from Comet Hale-Bopp, Schloerb, F.P., DeVries, C.H., Lovell, A.J., Irvine, W.M., Senay, M., and Wootten, H.A., *Earth, Moon and Planets*, 78, 45, (1997).

76. Chemical Processing in the Coma as the Source of Cometary HNC, Irvine, W.M., Bergin, E.A., Dickens, J.E., Jewitt, D., Lovell, A.J., Matthews, H.E., Schloerb, F.P., and Senay, M., *Nature*, 393, 547 (1998).

77. A NICMOS3 Fringe Detector for the Infrared Optical Telescope Array, Millan-Gabet, R., Schloerb, F.P., and Traub, W.A., *Publications of the Astronomical Society of the Pacific*, 111, 238 (1999).

78. Sub-AU Structure of the Near Infrared Emission from AB Aurigae, Millan-Gabet, R., Schloerb, F.P., Traub, W.A., Malbet, F., Berger, J.P., and Bregman, J.D., *Astrophys. J. Lett.*, 513, L131, (1999).

79. A Study of the Physics and Chemistry of L134N, Dickens, J.E., Irvine, W.M., Snell,

R.L., Bergin, E.A., Schloerb, F.P., Pratap, P., and Miralles, M.P., *Astrophys. J.*, 542, 870 (2000).

80. Spatially Resolved Circumstellar Structure of Herbig Ae/Be Stars in the Near-Infrared, Millan-Gabet, R., Schloerb, F.P., and Traub, W.A., *Astrophys. J.*, 546, 358 (2001).

81. Observations of deuterated molecules with the large millimeter telescope, Irvine, William M.; Schloerb, F. Peter, *Planetary and Space Science*, Volume 50, Issue 12-13, p. 1179-1184 (2002).

82. JHK'-band IOTA interferometry of the circumstellar environment of R CrB, Ohnaka, K.; Beckmann, U.; Berger, J.-P.; Brewer, M. K.; Hofmann, K.-H.; Lacasse, M. G.; Malanushenko, V.; Millan-Gabet, R.; Monnier, J. D.; Pedretti, E.; Schertl, D.; Schloerb, F.P.; Shenavrin, V. I.; Traub, W. A.; Weigelt, G.; Yudin, B. F., *Astronomy and Astrophysics*, v.408, p.553-558 (2003)

83. The Large Millimeter Telescope/El Gran Telescopio Milimétrico: A New Instrument for Astrobiology, Irvine, William M.; Carramiñana, Alberto; Carrasco, Luis; Schloerb, F. Peter, *Origins of Life and Evolution of the Biosphere*, v. 33, Issue 6, p. 597-607 (2003).

84. First Results with the IOTA3 Imaging Interferometer: The Spectroscopic Binaries Lambda Virginis and WR 140, Monnier, J. D.; Traub, W. A.; Schloerb, F.P.; Millan-Gabet, R.; Berger, J.-P.; Pedretti, E.; Carleton, N. P.; Kraus, S.; Lacasse, M. G.; Brewer, M.; Ragland, S.; Ahearn, A.; Coldwell, C.; Haguenaue, P.; Kern, P.; Labeye, P.; Lagny, L.; Malbet, F.; Malin, D.; Maymounkov, P.; Morel, S.; Papaliolios, C.; Perraut, K.; Pearlman, M.; Porro, I. L.; Schanen, I.; Souccar, K.; Torres, G.; Wallace, G., *The Astrophysical Journal*, Volume 602, Issue 1, pp. L57-L60. (2004)

85. High-Resolution Imaging of Dust Shells by Using Keck Aperture Masking and the IOTA Interferometer, Monnier, J. D.; Millan-Gabet, R.; Tuthill, P. G.; Traub, W. A.; Carleton, N. P.; Coudé du Foresto, V.; Danchi, W. C.; Lacasse, M. G.; Morel, S.; Perrin, G.; Porro, I. L.; Schloerb, F.P.; Townes, C. H., *The Astrophysical Journal*, Volume 605, Issue 1, pp. 436-461. (2004)

86. The PICNIC Interferometry Camera at IOTA, Pedretti, E.; Millan-Gabet, R.; Monnier, J. D.; Traub, W. A.; Carleton, N. P.; Berger, J.-P.; Lacasse, M. G.; Schloerb, F.P.; Brewer, M. K., *The Publications of the Astronomical Society of the Pacific*, Volume 116, Issue 818, pp. 377-389. (2004)

87. On the Effect of Electron Collisions in the Excitation of Cometary HCN, Lovell, Amy J.; Schloerb, F. Peter; Combi, Michael R.; Hansen, Kenneth C.; Gombosi, T. I., *The Astrophysical Journal*, Volume 613, Issue 1, pp. 615-621. (2004)

88. Diameters of Mira Stars Measured Simultaneously in the J,H,K' Near-Infrared Bands, Millan-Gabet, R.; Pedretti, E.; Monnier, J. D.; Schloerb, F.P.; Traub, W. A.; Carleton, N. P.; Lacasse, M. G.; and Segransan, D. *The Astrophysical Journal*, Volume 620, Issue 2, pp. 961-969 (2004).

89. Infrared Imaging of Capella with the IOTA Closure Phase Interferometer, Kraus,

S.; Schloerb, F.P.; Traub, W. A.; Carleton, N. P.; Lacasse, M.; Pearlman, M.; Monnier, J. D.; Millan-Gabet, R.; Berger, J.-P.; Hagenauer, P.; Perraut, K.; Kern, P.; Malbet, F.; Labeye, P. *The Astronomical Journal*, Volume 130, Issue 1, pp. 246-255. (2005).

90. Robust determination of optical path difference: fringe tracking at the Infrared Optical Telescope Array interferometer, Pedretti, Ettore; Traub, Wesley A.; Monnier, John D.; Millan-Gabet, Rafael; Carleton, Nathaniel P.; Schloerb, F. Peter; Brewer, Michael K.; Berger, Jean-Philippe; Lacasse, Marc G.; Ragland, Sam *Applied Optics* IP, vol. 44, Issue 25, pp.5173-5179 (2005).

91. Bright Localized Near-Infrared Emission at 1-4 AU in the AB Aurigae Disk Revealed by IOTA Closure Phases, R. Millan-Gabet, J.D. Monnier, J.-P. Berger, W.A. Traub, F.P. Schloerb, E. Pedretti, M. Benisty, N.P. Carleton, P. Hagenauer, P. Kern, P. Labeye, M.G. Lacasse, F. Malbet, K. Perraut, and M. Pearlman, *Astrophys. J.* Vol. 645, L77-L80, (2006).

92. First Surface-resolved Results with the IOTA Imaging Interferometer: Detection of Asymmetries in AGB stars, Ragland, S., Traub, W.A., Schloerb, F.P., Berger, J.-P., Millan-Gabet, R., Monnier, J.D., Pedretti, E., Cotton, W.D., Danchi, W.C., Townes, C.H., Carleton, N.P., Lacasse, M.G., Willson, L.A., Brewer, M., Hagenauer, P., Kern, P., Labeye, P., Malbet, F., Malin, D., Pearlman, M., Perraut, K., Souccar, K., and Wallace, G. *Astrophysical J.*, 652, pp. 650-660. (2006).

93. Few Skewed Disks Found in First Closure-Phase Survey of Herbig Ae/Be Stars, J.D. Monnier, J.-P. Berger, R. Millan-Gabet, W.A. Traub, F.P. Schloerb, E. Pedretti, M. Benisty, N.P. Carleton, P. Hagenauer, P. Kern, P. Labeye, M.G. Lacasse, F. Malbet, K. Perraut, M. Pearlman, and M. Zhao, *Astrophys. J.* 647 444-463 (2006).

94. Physical Orbit for Lambda Vir and Testing of Stellar Evolution Models, M. Zhao, J.D. Monnier, G. Torres, A.F. Boden, A. Claret, R. Millan-Gabet, E. Pedretti, J.-P. Berger, W.A. Traub, F.P. Schloerb, N.P. Carleton, P. Kern, M.G. Lacasse, F. Malbet, and K. Perraut, *The Astrophysical Journal*, Volume 659, Issue 1, pp. 626-641.(2007).

95. No Expanding Fireball: Resolving the Recurrent Nova RS Ophiuchi with Infrared Interferometry, J.D. Monnier, R.K. Barry, W.A. Traub, B.F. Lane, R.L. Akeson, S. Ragland, P.A. Schuller, J.-P. Berger, R. Millan-Gabet, E. Pedretti, F.P. Schloerb, C. Koresko, N.P. Carleton, M.G. Lacasse, P. Kern, F. Malbet, K. Perraut, and M.W. Muterspaugh, *Astrophys. J. Letters* 647 L127-L130 (2006).

96. MIRO: Microwave Instrument for Rosetta Orbiter, Gulkis, S.; Frerking, M.; Crovisier, J.; Beaudin, G.; Hartogh, P.; Encrenaz, P.; Koch, T.; Kahn, C.; Salinas, Y.; Nowicki, R.; Irigoyen, R.; Janssen, M.; Stek, P.; Hofstadter, M.; Allen, M.; Backus, C.; Kamp, L.; Jarchow, C.; Steinmetz, E.; Deschamps, A.; Krieg, J.; Gheudin, M.; Bockelee-Morvan, D.; Biver, N.; Encrenaz, T.; Despois, D.; Ip, W.; Lellouch, E.; Mann, I.; Muhleman, D.; Rauer, H.; Schloerb, P.; Spilker, T., *Space Science Reviews*, Volume 128, Issue 1-4, pp. 561-597 (2007).

97. Visual/infrared interferometry of Orion Trapezium stars: Preliminary dynamical

orbit and aperture synthesis imaging of the Theta 1 Orionis C system, Kraus, S.; Balega, Y. Y.; Berger, J. -P.; Hofmann, K. -H.; Millan-Gabet, R.; Monnier, J. D.; Ohnaka, K.; Pedretti, E.; Preibisch, Th.; Schertl, D.; Schloerb, F. P.; Traub, W. A.; Weigelt, G. *Astronomy and Astrophysics*, Volume 466, Issue 2, May I 2007, pp.649-659 (2007)

98. Radio OH observations of 9P/Tempel 1 before and after Deep Impact, Howell, Ellen S.; Lovell, Amy J.; Butler, Bryan; Schloerb, F. Peter, *Icarus*, Volume 187, Issue 1, p. 228-239. (2007)

99. Remote sensing of a comet at millimeter and submillimeter wavelengths from an orbiting spacecraft, Gulkis, Samuel; Allen, Mark; Backus, Charles; Beaudin, Gérard; Biver, Nicolas; Bockelée-Morvan, Dominique; Crovisier, Jacques; Despois, Didier; Encrenaz, Pierre; Frerking, Margaret; Hofstadter, Mark; Hartogh, Paul; Ip, Wing; Janssen, Mike; Kamp, Lucas; Koch, Timothy; Lellouch, Emmanuel; Mann, Ingrid; Muhleman, Duane; Rauer, Heike; Schloerb, Peter; Spilker, Thomas, *Planetary and Space Science*, Volume 55, Issue 9, p. 1050-1057 (2007).

100. Detection of non-radial pulsation and faint companion in the symbiotic star CH Cyg, Pedretti, E.; Monnier, J. D.; Lacour, S.; Traub, W. A.; Danchi, W. C.; Tuthill, P. G.; Thureau, N. D.; Millan-Gabet, R.; Berger, J.-P.; Lacasse, M. G.; Schuller, P. A.; Schloerb, F. P.; Carleton, N. P., *Monthly Notices of the Royal Astronomical Society*, Volume 397, Issue 1, pp. 325-334. (2009)

101. Imaging the asymmetric dust shell around CI Cam with long baseline optical interferometry, Thureau, N. D.; Monnier, J. D.; Traub, W. A.; Millan-Gabet, R.; Pedretti, E.; Berger, J.-P.; Garcia, M. R.; Schloerb, F. P.; Tannirkulam, A.-K, *Monthly Notices of the Royal Astronomical Society*, Volume 398, Issue 3, pp. 1309-1316 (2009).

102. Millimeter and submillimeter measurements of asteroid (2867) Steins during the Rosetta fly-by, Gulkis, S.; Keihm, S.; Kamp, L.; Backus, C.; Janssen, M.; Lee, S.; Davidsson, B.; Beaudin, G.; Biver, N.; Bockelée-Morvan, D.; Crovisier, J.; Encrenaz, P.; Encrenaz, T.; Hartogh, P.; Hofstadter, M.; Ip, W.; Lellouch, E.; Mann, I.; Schloerb, P.; Spilker, T.; Frerking, M, *Planetary and Space Science*, Volume 58, Issue 9, p. 1077-1087. (2010)

103. First astronomical unit scale image of the GW Orionis triple system. Direct detection of a new stellar companion, Berger, J.-P.; Monnier, J. D.; Millan-Gabet, R.; Renard, S.; Pedretti, E.; Traub, W.; Bechet, C.; Benisty, M.; Carleton, N.; Hagenauer, P.; Kern, P.; Labeye, P.; Longa, F.; Lacasse, M.; Malbet, F.; Perraut, K.; Ragland, S.; Schloerb, P.; Schuller, P. A.; Thiébaud, E., *Astronomy & Astrophysics*, Volume 529, L1-4 (2011).

104. On the Clustering of Submillimeter Galaxies, Williams, Christina C.; Giavalisco, Mauro; Porciani, Cristiano; Yun, Min S.; Pope, Alexandra; Scott, Kimberly S.; Austermann, Jason E.; Aretxaga, Itziar; Hatsukade, Bunyo; Lee, Kyoung-Soo; Wilson, Grant W.; Cybulski, Ryan; Hughes, David H.; Kawabe, Ryo; Kohno, Kotaro; Perera, Thushara; Schloerb, F. Peter, *The Astrophysical Journal*, Volume 733, Issue 2, article id. 92, pp. (2011).

105. First Visual Orbit for the Prototypical Colliding-wind Binary WR 140, Monnier, J. D.; Zhao, Ming; Pedretti, E.; Millan-Gabet, R.; Berger, J.-P.; Traub, W.; Schloerb, F. P.; ten Brummelaar, T.; McAlister, H.; Ridgway, S.; Sturmman, L.; Sturmman, J.; Turner, N.; Baron, F.; Kraus, S.; Tannirkulam, A.; Williams, P. M. *The Astrophysical Journal Letters*, Volume 742, Issue 1, p. L1-6 (2011)
106. Continuum and spectroscopic observations of asteroid (21) Lutetia at millimeter and submillimeter wavelengths with the MIRO instrument on the Rosetta spacecraft, Gulkis, S.; Keihm, S.; Kamp, L.; Lee, S.; Hartogh, P.; Crovisier, J.; Lellouch, E.; Encrenaz, P.; Bockelee-Morvan, D.; Hofstadter, M.; Beaudin, G.; Janssen, M.; Weissman, P.; von Allmen, P. A.; Encrenaz, T.; Backus, C. R.; Ip, W.-H.; Schloerb, F. P.; Biver, N.; Spilker, T.; Mann, I., *Planetary and Space Science*, Volume 66, Issue 1, p. 31-42. (2012)
107. Early Science with the Large Millimeter Telescope: Exploring the Effect of AGN Activity on the Relationships between Molecular Gas, Dust, and Star Formation, Kirkpatrick, Allison; Pope, Alexandra; Aretxaga, Itziar; Armus, Lee; Calzetti, Daniela; Helou, George; Montaña, Alfredo; Narayanan, Gopal; Schloerb, F. Peter; Shi, Yong; Vega, Olga; Yun, Min S., *The Astrophysical Journal*, Volume 796, p. 135-149. (2014)
108. Subsurface properties and early activity of comet 67P/Churyumov-Gerasimenko, Gulkis, Samuel; Allen, Mark; von Allmen, Paul; Beaudin, Gerard; Biver, Nicolas; Bockelée-Morvan, Dominique; Choukroun, Mathieu; Crovisier, Jacques; Davidsson, Björn J. R.; Encrenaz, Pierre; Encrenaz, Therese; Frerking, Margaret; Hartogh, Paul; Hofstadter, Mark; Ip, Wing-Huen; Janssen, Michael; Jarchow, Christopher; Keihm, Stephen; Lee, Seungwon; Lellouch, Emmanuel; Leyrat, Cedric; Rezac, Ladislav; Schloerb, F. Peter; Spilker, Thomas, *Science*, Volume 347, Issue 6220, article id. aaa0709. (2015)
109. The Red Radio Ring: a gravitationally lensed hyperluminous infrared radio galaxy at $z=2.553$ discovered through citizen science, Geach, J. E.; More, A.; Verma, A.; Marshall, P. J.; Jackson, N.; Belles, P.-E.; Beswick, R.; Baeten, E.; Chavez, M.; Cornen, C.; Cox, B. E.; Erben, T.; Erickson, N. J.; Garrington, S.; Harrison, P. A.; Harrington, K.; Hughes, D. H.; Ivison, R. J.; Jordan, C.; Lin, Y.-T.; Leauthaud, A.; Lintott, C.; Lynn, S.; Kapadia, A.; Kneib, J.-P.; Macmillan, C.; Makler, M.; Miller, G.; Montana, A.; Mujica, R.; Muxlow, T.; Narayanan, G.; Briain, D. O.; O'Brien, T.; Oguri, M.; Paget, E.; Parrish, M.; Ross, N. P.; Rozo, E.; Rusu, E.; Rykoff, E. S.; Sanchez-Arguelles, D.; Simpson, R.; Snyder, C.; Schloerb, F. P.; Tecza, M.; Van Waerbeke, L.; Wilcox, J.; Viero, M.; Wilson, G. W.; Yun, M. S.; Zeballos, M., *Monthly Notices of the Royal Astronomical Society*, Volume 452, Issue 1, p.502-510 (2015)
110. Distribution of water around the nucleus of 67P/Churyumov-Gerasimenko at 3.4 AU from the Sun as seen by the MIRO instrument on Rosetta, N. Biver; D. Bockelée-Morvan; M. Choukroun; J. Crovisier; E. Lellouch; D. Blain; S. Gulkis; P. Hartogh; M. Hofstadter; C. Jarchow; S. Lee; L. Rezac; P. Schloerb; P. von Allmen; and P. Encrenaz, *Astronomy & Astrophysics*, Volume 583, id.A3, 7 pp. (2015)
111. MIRO Observations of Subsurface Temperatures of the Nucleus of 67P/Churyumov-Gerasimenko, F. Peter Schloerb; Stephen Keihm; Paul von Allmen; Mathieu Choukroun; Emmanuel Lellouch; Cedric Leyrat; Gerard Beaudin; Nicolas

Biver; Dominique Bockelée-Morvan; Jacques Crovisier; Pierre Encrenaz; Robert Gaskell; Samuel Gulkis; Paul Hartogh; Mark Hofstadter; W.-H Ip; Michael Janssen; Christopher Jarchow; Laurent Jorda; Horst Uwe Keller; Seungwon Lee; Ladislav Rezac; and Holgar Sierks. *Astronomy & Astrophysics*, Volume 583, id.A29, 11 pp. (2015)

112. Spatial and Diurnal Variation of Water Outgassing on Comet 67P Churyumov-Gerasimenko Observed from Rosetta MIRO in August 2014, S. Lee; P. von Allmen; M. Allen; G. Beaudin; N. Biver; D. Bockelée-Morvan; M. Choukroun; J. Crovisier; P. Encrenaz; M. Frerking; S. Gulkis; P. Hartogh; M. Hofstadter; W.-H. Ip; M. Janssen; Ch. Jarchow; S. Keihm; E. Lellouch; C. Leyrat; L. Rezac; F.P. Schloerb; and Th. Spilker, *Astronomy & Astrophysics*, Volume 583, id.A5, 10 pp. (2015)

113. The "Dark Side" of 67P/Churyumov-Gerasimenko in Aug-Oct 2014; MIRO/Rosetta continuum observations of polar night in the Southern regions, M. Choukroun, S. Keihm, F.P. Schloerb, S. Gulkis, E. Lellouch, C. Leyrat, P. von Allmen, N. Biver, D. Bockelée-Morvan, J. Crovisier, P. Encrenaz, W.-H. Ip, C. Jarchow, P. Hartogh, M. Hofstadter, S. Lee, L. Rezac, B. Gaskell, L. Jorda, U. Keller, and H. Sierks, *Astronomy & Astrophysics*, Volume 583, id.A28, 10 pp. (2015)

114. Early Science with the Large Millimeter Telescope: CO and [C II] Emission in the $z=4.3$ AzTEC J095942.9+022938 (COSMOS AzTEC-1), Min S. Yun; I. Aretxaga; M. A. Gurwell; D. H. Hughes; A. Montaña; G. Narayanan D. Rosa Gonzalez; D. Sanchez-Arguelles; F. P. Schloerb; R. L. Snell; O. Vega; G. W. Wilson; M. Zeballos; M. Chavez; J. R. Cybulski; T. Diaz-Santos; V. De la Luz; N. Erickson; D. Ferrusca; H. D. Gim; D. Iono; A. Pope; S. M. Rogstad; K. S. Scott; K. Souccar; E. Terlevich; R. Terlevich; D. Wilner; J. A. Zavala, *Monthly Notices of the Royal Astronomical Society*, Volume 454, Issue 4, p.3485-3499 (2015)

115. Early Science with the Large Millimeter Telescope: Observations of Extremely Luminous High- z Sources Identified by Planck, Harrington, K. C.; Yun, Min S.; Cybulski, R.; Wilson, G. W.; Aretxaga, I.; Chavez, M.; Luz, V. De la; Erickson, N.; Ferrusca, D.; Gallup, A. D.; Hughes, D. H.; Montaña, A.; Narayanan, G.; Sánchez-Argüelles, D.; Schloerb, F. P.; Souccar, K.; Terlevich, E.; Terlevich, R.; Zeballos, M.; Zavala, J. A., *Monthly Notices of the Royal Astronomical Society*, Volume 458, Issue 4, p.4383-4399 (2016)

116. The Intrinsic Shape of Sagittarius A* at 3.5-mm Wavelength, Ortiz-León, Gisela N.; Johnson, Michael D.; Doeleman, Sheperd S.; Blackburn, Lindy; Fish, Vincent L.; Loinard, Laurent; Reid, Mark J.; Castillo, Edgar; Chael, Andrew A.; Hernández-Gómez, Antonio; Hughes, David; León-Tavares, Jonathan; Lu, Ru-Sen; Montaña, Alfredo; Narayanan, Gopal; Rosenfeld, Katherine; Sánchez, David; Schloerb, F. Peter; Shen, Zhi-qiang; Shiokawa, Hotaka; SooHoo, Jason; Vertatschitsch, Laura, *The Astrophysical Journal*, Volume 824, Issue 1, article id. 40, 10 pp. (2016)

117. Early Science with the Large Millimeter Telescope: COOL BUDHIES I - a pilot study of molecular and atomic gas at $z\sim 0.2$, Cybulski, Ryan; Yun, Min S.; Erickson, Neal; De la Luz, Victor; Narayanan, Gopal; Montaña, Alfredo; Sánchez-Argüelles, David; Zavala, Jorge A.; Zeballos, Milagros; Chung, Aeree; Fernández, Ximena; van

Gorkom, Jacqueline; Haines, Chris P.; Jaffé, Yara L.; Montero-Castaño, María; Poggianti, Bianca M.; Verheijen, Marc A. W.; Yoon, Hyein; Harrington, Kevin; Hughes, David H.; Morrison, Glenn E.; Schloerb, F. Peter; Velazquez, Miguel, Monthly Notices of the Royal Astronomical Society, Volume 459, Issue 3, p.3287-3306 (2016)

118. Deep LMT/AZTEC Millimeter Observations of ϵ Eridani and its Surroundings, Chavez-Dagostino, M.; Bertone, E.; Cruz-Saenz de Miera, F.; Marshall, J.P.; Wilson, G.; Sanchez-Arguelles, D.; Hughes, D.; Kennedy, G.; Vega, O.; De la Luz, V.; Dent, W.R.F.; Eiroa, C.; Gomez, A.; Greaves, J.S.; Lizano, S.; Lopez-Valdivia, R.; Mamajek, E.; Montana, A.; Olmedo, M.; Rodriguez, I.; Schloerb, F.P.; Yun, M.; Zavala, J.; Zeballos, M., accepted by Monthly Notices of the Royal Astronomical Society eprint: arXiv:1606.02761. (2016)

119. The global shape, density and rotation of Comet 67P/Churyumov-Gerasimenko from preperihelion Rosetta/OSIRIS observations, Jorda, L.; Gaskell, R.; Capanna, C.; Hviid, S.; Lamy, P.; Ďurech, J.; Faury, G.; Groussin, O.; Gutiérrez, P.; Jackman, C.; Keihm, S. J.; Keller, H. U.; Knollenberg, J.; Kührt, E.; Marchi, S.; Mottola, S.; Palmer, E.; Schloerb, F. P.; Sierks, H.; Vincent, J.-B.; A'Hearn, M. F.; Barbieri, C.; Rodrigo, R.; Koschny, D.; Rickman, H.; Barucci, M. A.; Bertaux, J. L.; Bertini, I.; Cremonese, G.; Da Deppo, V.; Davidsson, B.; Debei, S.; De Cecco, M.; Fornasier, S.; Fulle, M.; Güttler, C.; Ip, W.-H.; Kramm, J. R.; Küppers, M.; Lara, L. M.; Lazzarin, M.; Lopez Moreno, J. J.; Marzari, F.; Naletto, G.; Ockay, N.; Thomas, N.; Tubiana, C.; Wenzel, K.-P., Icarus, Volume 277, p. 257-278 (2016)

120. Early science with the Large Millimeter Telescope: molecules in the extreme outflow of a protoplanetary nebula, Gómez-Ruiz, A. I.; Guzman-Ramirez, L.; Serrano, E. O.; Sánchez-Argüelles, D.; Luna, A.; Schloerb, F. P.; Narayanan, G.; Yun, M. S.; Sahai, R.; Zijlstra, A. A.; Chavez-Dagostino, M.; Montaña, A.; Hughes, D. H.; Rodríguez, M., Monthly Notices of the Royal Astronomical Society: Letters, Volume 467, Issue 1, p.L61-L65 (2017)

121. Erratum: 'Early science with the Large Millimeter Telescope: observations of extremely luminous high-z sources identified by Planck', Harrington, K. C.; Yun, Min S.; Cybulski, R.; Wilson, G. W.; Aretxaga, I.; Chavez, M.; De la Luz, V.; Erickson, N.; Ferrusca, D.; Gallup, A. D.; Hughes, D. H.; Montaña, A.; Narayanan, G.; Sánchez-Argüelles, D.; Schloerb, F. P.; Souccar, K.; Terlevich, E.; Terlevich, R.; Zeballos, M.; Zavala, J. A., Monthly Notices of the Royal Astronomical Society, Volume 471, Issue 4, p.4060-4060 (2017)

122. Early science with the Large Millimetre Telescope: fragmentation of molecular clumps in the Galaxy, Heyer, M.; Wilson, G. W.; Gutermuth, R.; Lizano, S.; Gomez-Ruiz, A.; Kurtz, S.; Luna, A.; Serrano Bernal, E. O.; Schloerb, F. P., Monthly Notices of the Royal Astronomical Society, Volume 473, Issue 2, p.2222-2233 (2018)

123. A dusty star-forming galaxy at $z = 6$ revealed by strong gravitational lensing, Zavala, Jorge A.; Montaña, Alfredo; Hughes, David H.; Yun, Min S.; Ivison, R. J.; Valiante, Elisabetta; Wilner, David; Spilker, Justin; Aretxaga, Itziar; Eales, Stephen; Avila-Reese, Vladimir; Chávez, Miguel; Cooray, Asantha; Dannerbauer, Helmut; Dunlop, James S.; Dunne, Loretta; Gómez-Ruiz, Arturo I.; Michałowski, Michał J.;

Narayanan, Gopal; Nayyeri, Hooshang; Oteo, Ivan; Rosa González, Daniel; Sánchez-Argüelles, David; Schloerb, F. Peter; Serjeant, Stephen; Smith, Matthew W. L.; Terlevich, Elena; Vega, Olga; Villalba, Alan; van der Werf, Paul; Wilson, Grant W.; Zeballos, Milagros, *Nature Astronomy*, Volume 2, p. 56-62 (2018)

124. Thermal inertia and roughness of the nucleus of comet 67P/Churyumov-Gerasimenko from MIRO and VIRTIS observations, Marshall, D.; Groussin, O.; Vincent, J. -B.; Brouet, Y.; Kappel, D.; Arnold, G.; Capria, M. T.; Filacchione, G.; Hartogh, P.; Hofstadter, M.; Ip, W. -H.; Jorda, L.; Kührt, E.; Lellouch, E.; Mottola, S.; Rezac, L.; Rodrigo, R.; Rodionov, S.; Schloerb, P.; Thomas, N., *Astronomy and Astrophysics*, Volume 616, A122 (2018)

125. Early science with the Large Millimetre Telescope: An LMT/AzTEC 1.1 mm Survey of dense cores in the Monoceros R2 giant molecular cloud, Sokol, Alyssa D.; Gutermuth, R. A.; Pokhrel, R.; Gómez-Ruiz, A. I.; Wilson, G. W.; Offner, S. S. R.; Heyer, M.; Luna, A.; Schloerb, F. P.; Sánchez, D. *Monthly Notices of the Royal Astronomical Society*, Volume 483, 407-424 (2019).

126. First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole, Event Horizon Telescope Collaboration, *The Astrophysical Journal Letters*, Volume 875, Issue 1, article id. L1, 17 pp. (2019).

127. First M87 Event Horizon Telescope Results. II. Array and Instrumentation, Event Horizon Telescope Collaboration, *The Astrophysical Journal Letters*, Volume 875, Issue 1, article id. L2, 28 pp. (2019).

128. First M87 Event Horizon Telescope Results. III. Data Processing and Calibration, Event Horizon Telescope Collaboration, *The Astrophysical Journal Letters*, Volume 875, Issue 1, article id. L4, 52 pp. (2019).

129. First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring, Event Horizon Telescope Collaboration, *The Astrophysical Journal Letters*, Volume 875, Issue 1, article id. L5, 31 pp. (2019).

130. First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole, Event Horizon Telescope Collaboration, *The Astrophysical Journal Letters*, Volume 875, Issue 1, article id. L6, 44 pp. (2019).

131. The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project, Porth, Oliver; Chatterjee, Koushik; Narayan, Ramesh; Gammie, Charles F. et al. (Event Horizon Telescope Collaboration), *The Astrophysical Journal Supplement Series*, Volume 243, Issue 2, article id. 26, 40 pp. (2019).

132. Long-term monitoring of the outgassing and composition of comet 67P/Churyumov-Gerasimenko with the Rosetta/MIRO instrument, Biver, N.; Bockelée-Morvan, D.; Hofstadter, M.; Lellouch, E.; Choukroun, M.; Gulikis, S.; Crovisier, J.; Schloerb, F. P.; Rezac, L.; von Allmen, P.; Lee, S.; Leyrat, C.; Ip, W. H.; Hartogh, P.; Encrenaz, P.; Beaudin, G.; Miro Team, *Astronomy & Astrophysics*, Volume 630, id.A19, 58 pp. (2019).

Book Chapters/Edited Proceedings

1. CO and Shocks Related to the Evolution of the Orion Nebula, Schloerb, F.P. and Loren, R.B., in Symposium on the Orion Nebula to Honor Henry Draper, (eds. A.E. Glassgold, P.J. Huggins, and E.L. Schucking) Annals of the New York Academy of Sciences, 395, 32-48 (1982).
2. The chemical state of dense interstellar clouds - an overview, Irvine, W. M.; Schloerb, F. P.; Hjalmarsen, A.; Herbst, E. in Protostars and planets II (eds. D.C. Black and M.S. Matthews). University of Arizona Press, p. 579-620 (1985).
3. Cometary Radio Astronomy, (ed. W.M. Irvine, F.P. Schloerb, and L.E. Tacconi-Garman) NRAO Workshop #17 (1987).
4. The Study of Comets at Radio Wavelengths, Crovisier, J. and Schloerb, F.P., in Comets in the Post-Halley Era (R. Newburn Jr., ed.) Kluwer Publishing, p. 149, (1991).
5. Radio Science Network, Schloerb, F.P. and Irvine, W.M. in The Comet Halley Archive Summary Volume (Z. Sekanina and L. Frey, eds.) 237. (1991).
6. Millimeter-wave Spectroscopy in the Solar System, Schloerb, F.P. in Millimeter-wave Astronomy: Molecular Chemistry and Physics in Space (W. F. Wall, A. Carraminana, L. Carrasco, and P. F. Goldsmith, eds.) Dordrecht:Kluwer, p.14 (1999).
- 7.. Comets: A Link between Interstellar and Nebular Chemistry, Irvine, W.M., Schloerb, F.P., Crovisier, J., Fegley, B., and Mumma, M.J., in Protostars and Planets IV (V. Mannings, A. Boss, and S. Russell, eds.) Space Science Series, University of Arizona Press, p. 1159, (2000).

Conference and other Non-refereed Publications

1. Lunar Occultation Observations of Millimeter CO Emission in S255, Schloerb, F.P. and Scoville, N.Z., IAU Symposium #87: Interstellar Molecules, ed. B.H. Andrew, p. 41, D. Reidel Publishing Co. (1979).
2. Comets and the Origin of Life, Irvine, W.M., Leschine, S.B., and Schloerb, F.P., Proc. of the 6th International Conf. on the Origin of Life, 27, ed. Y. Wolman, D. Reidel Publishing Co. (1981).
3. Molecular Line Mapping of OMC-1, Schloerb, F.P., Goldsmith, P.F., and Scoville, N.Z., in Regions of Recent Star Formation, Proceedings of Colloquium on Neutral Clouds Near HII Regions, eds. R. Rodger and P. Dewdney, D. Reidel, Pub. Co., Holland, 439-444 (1982).
4. Kinematics of Molecular Gas in the Orion Molecular Cloud, Goldsmith, P.F., Arquilla, R., Schloerb, F.P., and Scoville, N.Z., in Regions of Recent Star Formation, Proceedings of Colloquium on Neutral Clouds Near HII Regions, eds. R. Rodger and P. Dewdney, D. Reidel, Pub. Co., Holland, 295-299 (1982).

5. Radio Science and the International Halley Watch, Irvine, W.M., Schloerb, F.P., Gerard, E. in Proceedings of the International Conference on Cometary Exploration, (ed. T. Gombosi), Vol. III, 83-94 (1983).
6. Millimeter-wave Spectroscopy of Solar System Objects: Present and Future, Schloerb, F.P. in Proceedings of ESO/Onsala/IRAM Workshop on (sub)millimeter Astronomy, (ed. P. Shaver), 603 (1985).
7. Molecular Structure of L134N, Swade, D.A., Schloerb, F.P., Irvine W.M., and Snell, R.L., in Proceedings of Haystack Observatory Masers and Molecules Symposium, ed. A.D. Haschick, p. 73 (1985).
8. Millimeter-wave Experiments for Cometary Missions, Schloerb, F.P., in Proceedings of the Multi Comet Mission Workshop, (ed. S. Maran), (1986).
9. Observations of HCN in Comet Halley, Schloerb, F.P., Kinzel, W.M., Swade, D.A., Irvine, W.M., in Cometary Radio Astronomy, (ed. W.M. Irvine, F.P. Schloerb, and L.E. Tacconi-Garman) NRAO Workshop #17, 65 (1987).
10. Radio OH Observations of P/Halley with the NRAO 43 m Telescope, Claussen, M.J. and Schloerb, F.P., in Cometary Radio Astronomy, (ed. W.M. Irvine, F.P. Schloerb, and L.E. Tacconi-Garman) NRAO workshop #17, 135 (1987).
11. Models of the OH 18 cm Line Profiles of Comet Halley, Tacconi-Garman, L. and Schloerb, F.P., in Cometary Radio Astronomy, (ed. W.M. Irvine, F.P. Schloerb, and L.E. Tacconi-Garman) NRAO workshop #17 in 143 (1987).
12. Search for Parent Molecules in Comet Halley, Swade, D.A., Schloerb, F.P., Irvine, W.M., and Kinzel, W.M., in Cometary Radio Astronomy, (ed. W.M. Irvine, F.P. Schloerb, and L.E. Tacconi-Garman) NRAO workshop #17, 79 (1987).
13. OH Radio Observations of Comet Halley, Schloerb, F.P., Claussen, M.J., and Tacconi-Garman, L., 20th ESLAB Symposium on the Exploration of Halley's Comet ESA SP-250, Vol. I. 583 (1986).
14. HCN Production from Comet Halley, Schloerb, F.P., Kinzel, W.M., Swade, D.A., and Irvine, W.M., 20th ESLAB Symposium on the Exploration of Halley's Comet ESA SP-250, Vol. I. 577 (1986).
15. Comparison of the Molecular Gas and Dust Emission in Heiles Cloud 2 and B18, Snell, R.L., Heyer, M.H., and Schloerb, F.P., in Molecular Clouds in the Milky Way and External Galaxies (R. Dickman, R. Snell, and J. Young, eds.) Springer-Verlag Publishers, 91 (1988).
16. A Source Model for the Molecular Core of L134N, Swade, D.A. and Schloerb, F.P., in Molecular Clouds in the Milky Way and External Galaxies (R. Dickman, R. Snell, and J. Young, eds.) Springer-Verlag Publishers, 170 (1988).
17. The Large Deployable Reflector, Schloerb, F.P., in The Formation of Planetary Systems (H.A. Weaver and L. Danly, eds.) STSI Symposium Series #3, p. 331 (1989)

18. The FCRAO Extragalactic Survey: Global Properties of Galaxies, Young, J.S., Claussen, M., Devereux, N., Huang, Y., Kenney, J., Knezek, P., Tacconi, L., Tacconi-Garman, L., Schloerb, F.P., Viscuso, P., and Xie, S., in *The ISM in Galaxies* (H. Thronson and D. Hollenbach, eds.), Tetons (1989).
19. ^{12}CO and ^{13}CO J=2-1 and J=1-0 Observations of Hot and Cold Galaxies, Xie, S., Schloerb, F.P., and Young, J.S., in *The ISM in Galaxies* (H. Thronson and D. Hollenbach, eds.), Tetons (1989).
20. OH Observations of Halley's Comet by the IHW Radio Network, Schloerb, F.P., in *Asteroids Comets Meteors III* (H. Rickman, P. Magnusson, C.-I. Lagerkvist, eds.), p. 427, (1990)
21. UV and Radio Observations of OH in Comets, Schloerb, F.P., in *Asteroids Comets Meteors III* (H. Rickman, P. Magnusson, C.-I. Lagerkvist eds.), p. 431, (1990).
22. A Kinematic Model for Cometary Comae, Tacconi-Garman, L.E., Schloerb, F.P. and Claussen, M.J., in *Asteroids Comets Meteors III* (H. Rickman, P. Magnusson, C.-I. Lagerkvist, eds.), p. 455, (1990).
23. A Search for the 3mm Lines of HCN in Comet Wilson 1987 VII, Crovisier J., Despois, D., Bockelee-Morvan, D., Gerard, E., Johansson, L.E.B., Ekeland, L., Winnberg, A., Ge, W., Irvine, W.M., Kinzel, W.M., Schloerb, F.P., and Swade, D.A., in *Asteroids Comets Meteors III* (H. Rickman, P. Magnusson, C.-I. Lagerkvist, eds.), p. 301, (1990).
24. Image Reconstruction Techniques for the Infrared-Optical Telescope Array, Schloerb, F.P., in *Amplitude and Intensity Spatial Interferometry*, (J. Breckinridge, ed.) SPIE #1237, 154, (1990).
25. The Stellar Population in Massive Star Forming Regions, Carpenter, J., Snell, R.L., and Schloerb, F.P., in *Astrophysics with Infrared Arrays*, (R. Elston, ed.) ASP Conference Series, (San Francisco: ASP), Volume 14, p. 241 (1990).
26. Massive Star Formation in Outer Galaxy Molecular Clouds, Snell, R.L., Carpenter, J., and Schloerb, F.P., in *Atoms, ions and molecules: New results in spectral line astrophysics*, (P. Ho and A. Haschick, eds.) ASP Conference Series (ASP: San Francisco), vol. 16, p. 137.(1990).
27. Simultaneous Imaging of Optical CN Lines and Radio HCN Lines in Comet Austin, Palmer, P., A'Hearn, M.F., de Pater, I., Klavetter, J.J., Mehringer, D., Schloerb, F.P., Snyder, L.E., and Wilner, D., in *Workshop of Observations of Recent Comets* (W.F. Huebner, J. Rahe, P.A. Wehinger, and I. Konno, eds.) Southwest Research Inst. San Antonio, TX, 40, (1990).
28. Submillimeter Molecular Line Observations of Comet Levy (1990c), Schloerb, F.P. and Ge, W. in *Asteroids, Comets, Meteors 1991* (A. Harris and E. Bowell, eds.) 533. (1992).
29. Chemical Gradients in the Orion Molecular Cloud, Ungerechts, H., Bergin, E.A.,

Carpenter, J., Goldsmith, P.F., Irvine, W.M., Lovell, A., McGonagle, D., Schloerb, F.P., Snell, R.L., in *Astrochemistry of Cosmic Phenomena*, (P.D. Singh, ed.), Kluwer, p. 271 (1992).

30. Anatomy of the Gem OB1 Molecular Cloud Complex, Carpenter, J., Snell, R.L., and Schloerb, F.P., in *Massive Stars: Their Lives in the Interstellar Medium*, (J. Cassinelli and E. Churchwell, eds), Astronomical Society of the Pacific, 90. (1993).

31. Embedded Star Clusters Associated with Luminous Far-Infrared Sources, Snell, R.L., Carpenter, J., and Schloerb, F.P., in *Massive Stars: Their Lives in the Interstellar Medium*, (J. Cassinelli and E. Churchwell, eds), Astronomical Society of the Pacific, 138. (1993).

32. Imaging Interferometry: Lessons from the Ground, Schloerb, F.P., in *Spaceborne Interferometry*, (R.D. Reasenberg, ed.) SPIE #1947, 249(1993).

33. Resolving Topographic Detail on Venus by Modeling Complex Magellan Altimetry Echoes, Lovell, A.J., Schloerb, F.P., and McGill, G.E. *Lunar and Planetary Science XXIV*, 903 (1993).

34. Current Status of the IOTA Interferometer, Carleton, N.P., Traub, W.A., Lacasse, M.G., Nisenson, P., Pearlman, M.R., Reasenberg, R.D., Xu, X., Coldwell, C., Panasyuk, A., Benson, J.A., Papaliolios, C., Predmore, R., Schloerb, F.P., Dyck, H.M., and Gibson, D. SPIE #2200, 152 (1994).

35. Millimeter Observations of TMC-1 and L134N, Pratap, P., Irvine, W.M., Schloerb, F.P., Snell, R.L., Bergin, E.A., Miralles, M.P., Dickens, J., and McGonagle, D. in *Clouds, Cores, and Low Mass Stars*, (D.P. Clemens and R. Barvainis, eds.), 25, (1994).

36. Chemical and Physical Gradients along the Orion Molecular Ridge, Ungerechts, H., Bergin, E.A., Goldsmith, P.F., Irvine, W.M., Schloerb, F.P., and Snell, R.L., in *The Physics and Chemistry of Interstellar Molecular Clouds*, (G. Winnewisser and G.C. Pelz, ed.), 258, (1995).

37. Star Formation in the Gem OB1 Molecular Cloud Complex, Carpenter, J.M., Snell, R.L., and Schloerb, F.P. in *CO: Twenty-five Years of Millimeter Wave Spectroscopy*, IAU Symposium 170, eds. W. Latterer, S. Radford, P. Jewell, J. Magnum, and J. Bally, p. 148, (1996).

38. The Large Millimeter-wave Telescope, Schloerb, F.P., in *CO: Twenty-five Years of Millimeter Wave Spectroscopy*, IAU Symposium 170, eds. W. Latterer, S. Radford, P. Jewell, J. Magnum, and J. Bally, p. 221, (1996).

39. Interstellar and Cometary Ices: Molecular Emission from Comet Hale-Bopp, Irvine, W.M., DeVries, C.H., Dickens, J.E., Lovell, A.J., Schloerb, F.P., Senay, M., Jewitt, D., and Matthews, H.E. in *The Far Infrared and Submillimetre Universe*, ESA SP-401, 277 (1997).

40. A NICMOS3 Fringe Detector for the IOTA, Millan-Gabet, R., Schloerb, F.P., Traub,

W.A., and Carleton, N.P., Proceedings of 10th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, (R.A. Donoghue and J.A. Bookbinder, eds.) ASP Conf. Ser. 154, CD-2008 (1997).

41. Chemistry in Cometary Comae, Irvine, W.M., Dickens, J.E., Lovell, A.J., Schloerb, F.P., Senay, M., Bergin, E.A., Jewitt, D., and Matthews, H.E. in Faraday Discussion #109, 475 (1998).

42. Recent Results from the IOTA NICMOS3 Fringe Detector, Millan-Gabet, R., Schloerb, F.P., Traub, W.A., and Carleton, N.P., Proceedings SPIE 3350, Astronomical Interferometry (R. D. Reasonberg, ed.), 432 (1998).

43. Third Telescope Project at the IOTA interferometer, Traub, W A., Carleton, N P., Bregman, J. D., Brewer, M. K., Lacasse, M. G., Maymounkov, P., Millan-Gabet, R., Monnier, J. D., Morel, S., Papaliolios, C. D., Pearlman, M. R., Porro, I. L., Schloerb, F. P., and Souccar, K., Proc. SPIE Vol. 4006, pp. 715-722 (2000).

44. Circumstellar Environment of Herbig Ae/Be stars as seen by the IOTA, Millan Gabet, R., Schloerb, F. P., and Traub, W A., Proc. SPIE Vol. 4006, pp. 605-616 (2000).

45. The Large Millimeter Telescope, Schloerb, F. P., and L. Carrasco, in Proceedings of 25th URSI General Assembly (2002).

46. Arecibo observations of the 18 cm OH lines of six comets, Lovell, A. J.; Howell, E. S.; Schloerb, F. P.; Lewis, B. M.; Hine, A. A. in: Proceedings of Asteroids, Comets, Meteors - ACM 2002 (Ed. Barbara Warmbein) ESA SP-500. Noordwijk, Netherlands: ESA Publications Division, p. 681 - 684 (2002)

47. New Beam-Combination Techniques at IOTA, Traub, Wesley A.; Ahearn, Angela; Carleton, Nathaniel P.; Berger, Jean-Philippe; Brewer, Michael K.; Hofmann, Karl Heinz; Kern, Pierre Y.; Lacasse, Marc G.; Malbet, Fabien; Millan-Gabet, Rafael; Monnier, John D.; Ohnaka, Keiichi; Pedretti, Ettore; Ragland, Sam; Schloerb, F. Peter; Souccar, Kamal; Weigelt, Gerd in Interferometry for Optical Astronomy II. Edited by Wesley A. Traub. Proceedings of the SPIE, Volume 4838, pp. 45-52 (2003).

48. JHK-band spectro-interferometry of T Cep with the IOTA interferometer, Weigelt, Gerd; Beckmann, Udo; Berger, Jean-Philippe; Bloecker, Thomas; Brewer, Michael K.; Hofmann, Karl-Heinz; Lacasse, Marc G.; Malanushenko, Victor; Millan-Gabet, Rafael; Monnier, John D.; Ohnaka, Keiichi; Pedretti, Ettore; Schertl, Dieter; Schloerb, F. Peter; Scholz, Michael; Traub, Wesley A.; Yudin, Boris in Interferometry for Optical Astronomy II. Edited by Wesley A. Traub. Proceedings of the SPIE, Volume 4838, pp. 181-184 (2003).

49. Recent science results with the two-telescope IOTA, Millan-Gabet, Rafael; Pedretti, Ettore; Monnier, John D.; Traub, Wesley A.; Schloerb, F. Peter; Carleton, Nathaniel P.; Ragland, Sam; Lacasse, Marc G.; Danchi, William C.; Tuthill, Peter G.; Perrin, Guy S.; Coude du Foresto, Vincent, in Interferometry for Optical Astronomy II. Edited by Wesley A. Traub. Proceedings of the SPIE, Volume 4838, pp. 202-209

(2003).

50. Reconfigurable electronics at the IOTA interferometer, Pedretti, Ettore; Millan-Gabet, Rafael; Monnier, John D.; Morel, S.; Traub, Wesley A.; Carleton, Nathaniel P.; Berger, Jean-Philippe; Schloerb, P.; Brewer, Michael K.; Ragland, Sam; Lacasse, Marc G., in Interferometry for Optical Astronomy II. Edited by Wesley A. Traub . Proceedings of the SPIE, Volume 4838, pp. 943-955 (2003).

51. Near-infrared IOTA interferometry of the symbiotic star CH Cyg, Hofmann, Karl-Heinz; Beckmann, Udo; Berger, Jean-Philippe; Bloecker, Thomas; Brewer, Michael T.; Lacasse, Marc G.; Malanushenko, Victor; Millan-Gabet, Rafael; Monnier, John D.; Ohnaka, Keiichi; Pedretti, Ettore; Schertl, Dieter; Schloerb, F. Peter; Scholz, Michael; Traub, Wesley A.; Weigelt, Gerd; Yudin, Boris, in Interferometry for Optical Astronomy II. Edited by Wesley A. Traub . Proceedings of the SPIE, Volume 4838, pp. 1043-1046 (2003).

52. IOTA observation of the circumstellar envelope of R CrB, Ohnaka, Keiichi; Beckmann, Udo; Berger, Jean-Philippe; Brewer, Michael K.; Hofmann, Karl-Heinz; Lacasse, Marc G.; Malanushenko, Victor; Millan-Gabet, Rafael; Monnier, John D.; Pedretti, Ettore; Schertl, Dieter; Schloerb, F. Peter; Shenavrin, Victor; Traub, Wesley A.; Weigelt, Gerd; Yudin, Boris, in Interferometry for Optical Astronomy II. Edited by Wesley A. Traub . Proceedings of the SPIE, Volume 4838, pp. 1068-1071 (2003).

53. The Large Millimeter Telescope Status, Schloerb, F.P., Carrasco, L., and Wilson, G., in Astronomical Telescopes and Instrumentation: Ground Based Telescopes and Instrumentation. Edited by Oschmann, Jacobus M.; Stepp, Larry M. Proceedings of the SPIE, Volume 4837 pp. 129-139 (2003).

54. The Large Millimeter Telescope, Schloerb, F. Peter; Carrasco, Luis, in Ground Based Telescopes, Edited by Oschmann, Jacobus M., Proceedings of the SPIE, Volume 5489, pp. 754-762 (2004).

55. Infrared imaging of Capella with the IOTA interferometer, Kraus, S.; Schloerb, F. Peter, in New Frontiers in Stellar Interferometry; Wesley A. Traub; Ed. Proc. SPIE Vol. 5491, p. 56-64 (2004).

56. IOTA: recent technology and science, Traub, Wesley A.; Berger, Jean-Philippe; Brewer, Michael K.; Carleton, Nathaniel P.; Kern, Pierre Y.; Kraus, Stefan; Lacasse, Marc G.; McGonagle, William H.; Millan-Gabet, Rafael; Monnier, John D.; Pedretti, Ettore; Ragland, Sam; Reich, Robert K.; Schloerb, F. Peter; Schuller, Peter A.; Souccar, Kamal; Wallace, Gary, in New Frontiers in Stellar Interferometry; Wesley A. Traub; Ed. Proc. SPIE Vol. 5491, p. 482-489 (2004).

57. Fringe tracking at the IOTA interferometer, Pedretti, Ettore; Thureau, Nathalie D.; Wilson, Edward; Traub, Wesley A.; Monnier, John D.; Ragland, Sam; Carleton, Nathaniel P.; Millan-Gabet, Rafael; Schloerb, F. Peter; Brewer, Michael K.; Berger, Jean-Philippe; Lacasse, Marc G., in New Frontiers in Stellar Interferometry; Wesley A. Traub; Ed. Proc. SPIE Vol. 5491, p. 540-550 (2004).

58. LLiST: a new-star tracker camera for tip-tilt correction at IOTA, Schuller, Peter A.;

Lacasse, Marc G., Lydon, Donald S., McGonagle, William H.; Pedretti, Ettore; Reich, Robert K.; Schloerb, F. Peter; Traub, Wesley A., in *New Frontiers in Stellar Interferometry*; Wesley A. Traub; Ed. Proc. SPIE Vol. 5491, p. 1137-1146 (2004).

59. Characterizing closure-phase measurements at IOTA, Ragland, Sam; Traub, Wesley A.; Berger, Jean-Philippe; Millan-Gabet, Rafael; Monnier, John D.; Pedretti, Ettore; Schloerb, F. P.; Carleton, N. P.; Hagenauer, Pierre; Kern, Pierre Y.; Labeye, Pierre R.; Lacasse, Marc G.; Malbet, Fabien; Rousselet-Perraut, Karine, in *New Frontiers in Stellar Interferometry*; Wesley A. Traub; Ed. Proc. SPIE Vol. 5491, p. 1390-1397 (2004).

60. Asteroid and minor bodies science with the Large Millimetric Telescope. Barrera-Pineda, P. S.; Lovell, A. J.; Schloerb, F. P.; Carrasco, L. II International GTC Workshop: Science with GTC 1st-light Instruments and the LMT (Eds. A. M. Hidalgo-Gómez, J. J. Gonzalez, J. M. Rodríguez Espinosa, and S. Torres-Peimbert) *Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias)* Vol. 24, pp. 188-191 (2005).

61. IOTA: Recent Science and Technology, F. Peter Schloerb, J.-P. Berger, N. P. Carleton, P. Hagenauer, P. Y. Kern, P. R. Labeye, M. G. Lacasse, F. Malbet, R. Millan-Gabet, J. D. Monnier, M. R. Pearlman, E. Pedretti, K. Rousselet-Perraut, S. D. Ragland, P. A. Schuller, W. A. Traub, G. Wallace, in *Advances in Stellar Interferometry* (J. Monnier, M. Scholler, and W. Danchi, eds.) SPIE Proceedings Vol. 6268 62680I-1 - 62680I-8 (2006).

62. The Large Millimeter Telescope, Alfonso Serrano Perez-Grovas, F. Peter Schloerb, David Hughes, and Min Yun, in *Ground-based and Airborne Telescopes* (L. Stepp, ed.) SPIE Proceedings Vol. 6267 62670I-1 - 62670I-12 (2006).

63. The Large Millimeter Telescope, Schloerb, F. P.; Carrasco, L.; Brinks, E. in *Exploring the Cosmic Frontier*, ESO Astrophysics Symposia European Southern Observatory, Volume . ISBN 978-3-540-39755-7. Springer, p. 47-48 (2007).

64. The Large Millimeter Telescope, Schloerb, F. Peter, *Ground-based and Airborne Telescopes II*. Edited by Stepp, Larry M.; Gilmozzi, Roberto. Proceedings of the SPIE, Volume 7012, pp. 70120S-70120S-12 (2008).

65. The University Radio Observatories: Centers for Scientific, Technical and Educational Innovation for Radio Astronomy, Heyer, Mark H.; Mundy, Lee G.; Phillips, Thomas H.; Backer, D.C.; Schloerb, F.P.; Bock, Douglas C.-J.; Zmuidzinas, Jonas, *Astro2010: The Astronomy and Astrophysics Decadal Survey, Position Papers*, no. 21 (2009)

66. Coherent Detector Arrays for Millimeter and Submillimeter Astronomy, Goldsmith, Paul F.; Carpenter, John; Erickson, Neal; Fisher, Rick; Ford, John; Gaier, Todd; Groppi, Chris; Harris, Andy; Heyer, Mark; Kulesa, Craig; Lawrence, Charles; Morgan, Matt; Mundy, Lee; Narayanan, Gopal; O'Neil, Karen; Readhead, Tony; Samoska, Lorene; Schloerb, Peter; Snell, Ron; Walker, Christopher; Ziurys, Lucy, *Astro2010: The Astronomy and Astrophysics Decadal Survey, Technology Development Papers*, no. 11 (2009)

67. Large Millimeter Telescope (LMT): an "Extremely Large Telescope" Platform for New Instruments and Large Surveys in the ALMA Era, Yun, M.; Erickson, N.; Heyer, M.; Narayanan, G.; Schloerb, P.; Wilson, G.; Hughes, D., Astro2010: The Astronomy and Astrophysics Decadal Survey, Technology Development Papers, no. 32 (2009).
68. The Large Millimeter Telescope, Hughes, D. H.; Schloerb, F. P., XII Latin American IAU Regional Meeting (Eds. G. Magris, G. Bruzual, & L. Carigi) Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias) Vol. 35, pp. 251-256 (2009)
69. The Large Millimeter Telescope, Hughes, David H.; Jáuregui Correa, Juan-Carlos; Schloerb, F. Peter; Erickson, Neal; Romero, Jose Guichard; Heyer, Mark; Reynoso, David Huerta; Narayanan, Gopal; Perez-Grovas, Alfonso Serrano; Souccar, Kamal; Wilson, Grant; Yun, Min Ground-based and Airborne Telescopes III. Edited by Stepp, Larry M.; Gilmozzi, Roberto; Hall, Helen J. Proceedings of the SPIE, Volume 7733, pp. 773312-773312-13 (2010).
70. Early observations of comet Churyumov-Gerasimenko with the Rosetta MIRO submillimeter instrument, Gulkis, S.; Allen, M.; Von Allmen, P.; Beaudin, G.; Biver, N.; Bockelee-Morvan, D.; Choukroun, M.; Crovisier, J.; Encrenaz, P.; Encrenaz, T.; Frerking, M.; Hartogh, P.; Hofstadter, M.; Ip, W.; Janssen, M.; Jarchow, C.; Kamp, L.; Keihm, S.; Lee, S.; Lellouch, E.; Leyrat, C.; Rezac, L.; Schloerb, F.; Spilker, T. in Proceedings of Asteroids, Comets, Meteors 2014. (2014)
71. The architecture of the active surface control system of the Large Millimeter Telescope, Souccar, Kamal; Wallace, Gary; Grosslein, Ron; Schloerb, F. Peter, in Proceedings of the SPIE, Volume 9151, id. 91512J 6 pp. (2014).
72. The LMT Galaxies' 3 mm Spectroscopic Survey: First Results, Rosa González, D.; Schloerb, P.; Vega, O.; Hunt, L.; Narayanan, G.; Calzetti, D.; Yun, M.; Terlevich, E.; Terlevich, R.; Mayya, Y. D.; Chávez, M.; Montaña, A.; Pérez García, A. M. in Massive Young Star Clusters Near and Far: From the Milky Way to Reionization. 2013 Guillermo Haro Conference, Eds. Y. D. Mayya, D. Rosa González and E. Terlevich. INAOE & AMC, June 2014. ISBN: 978-607-8379-01-9, pp.35-38. (2014)
73. Millimeter and Submillimeter Observations of Comet 67P/C-G with the MIRO Instrument, Hofstadter, M.; von Allmen, P.; Lee, S.; Biver, N.; Bockelee-Morvan, D.; Choukroun, M.; Gulkis, S.; Hartogh, P.; Janssen, M.; Jarchow, C.; Keihm, S.; Lellouch, E.; Leyrat, C.; Rezac, L.; Schloerb, P.; Crovisier, J.; Encrenaz, P.; Encrenaz, T.; Ip, W., 46th Lunar and Planetary Science Conference, LPI Contribution No. 1832, p.2595
74. Local and Diurnal Variation of Water Outgassing on Comet 67P/Churyumov-Gerasimenko Nucleus Observed from Rosetta/MIRO, Lee, S.; von Allmen, P.; Hofstadter, M.; Beaudin, G.; Biver, N.; Bockelee-Morvan, D.; Choukroun, M.; Crovisier, J.; Encrenaz, P.; Encrenaz, T.; Frerking, M.; Gulkis, S.; Hartogh, P.; Ip, W. H.; Janssen, M.; Jarchow, C.; Keihm, S.; Lellouch, E.; Leyrat, C.; Rezac, L.; Schloerb, F. P., 46th Lunar and Planetary Science Conference, LPI Contribution No. 1832, p.2716 (2015)
75. Spatial and Temporal Variations of the Near-Surface Thermal Properties of

67P/Churyumov-Gerasimenko Obtained from Continuum Observations with Microwave Instrument on the Rosetta Orbiter (MIRO) von Allmen, P.; Lee, S.; Hofstadter, M.; Biver, N.; Bockelee-Morvan, D.; Choukroun, M.; Gulkis, S.; Hartogh, P.; Janssen, M.; Jarchow, C.; Keihm, S.; Lellouch, E.; Leyrat, C.; Rezac, L.; Schloerb, P.; Crovisier, J.; Encrenaz, P.; Encrenaz, T.; Ip, W. 46th Lunar and Planetary Science Conference, LPI Contribution No. 1832, p.2798 (2015)

76. Observation of Ammonia and Methanol in comet 67P with MIRO onboard Rosetta, Biver, N.; Gulkis, S.; Schloerb, F. P.; von Allmen, P.; Beaudin, G.; Bockelee-Morvan, D.; Choukroun, M.; Crovisier, J.; Encrenaz, T.; Encrenaz, P.; Freking, M.; Hartogh, P.; Hofstadter, M.; Ip, WH; Janssen, M.; Jarchow, C.; Lee, S.; Lellouch, E.; Leyrat, C.; Rezac, L., European Planetary Science Congress 2015 EPSC2015-503 (2015)

77. Sub-Surface Properties of Comet 67P/Churyumov-Gerasimenko Derived from Combined Thermal and Spectroscopic Data from the MIRO Instrument, von Allmen, P.; Lee, S.; Biver, N.; Gulkis, S.; Bockelee-Morvan, D.; Hofstadter, M.; Schloerb, F. P.; Choukroun, M.; Keihm, S.; Rezac, L.; Leyrat, C.; Lellouch, E.; Hartogh, P.; Crovisier, J.; Janssen, M.; Jarchow, C.; Encrenaz, P.; Encrenaz, T.; Ip, W.; Spilker, T., European Planetary Science Congress 2015 EPSC2015-386 (2015)

78. Sun avoidance strategies at the Large Millimeter Telescope, Souccar, Kamal; Smith, David R.; Schloerb, F. Peter; Wallace, Gary, Proceedings of the SPIE, Volume 9910, id. 991026J 8 pp. (2016).

79. Mapping the Large Millimeter Telescope primary reflector using photogrammetry: a first comparison with 12 GHz holography, Gale, David M.; Leon-Huerta, Andrea; Cabrera Cuevas, Lizeth; Castro Santos, David; Hernández Ríos, Emilio; Lucero Álvarez, Maribel; Tecuapetla Sosa, Esteban; Tzile Torres, Carlos; Sánchez-Argüelles, David; Narayanan, Gopal; Schloerb, F. Peter; Wilson, Grant W.; Smith, David R., Proceedings of the SPIE, Volume 9912, id. 99124F, 15 pp. (2016).

80. Calibration and operation of the active surface of the Large Millimeter Telescope, Schloerb, F. P.; Sanchez, D.; Narayanan, G.; Erickson, N.; Souccar, K.; Wilson, G.; Gale, D.; Hughes, David H.; Smith, D., Proceedings of the SPIE, Volume 9906, id. 99066C, 7 pp. (2016).

81. The LMT Galaxies' 3mm Spectroscopic Survey: Molecules as tracers of activity in galaxies, Vega, O.; Rosa-González, D.; Schloerb, P.; Sánchez-Argüelles, D.; Hunt, L.; Narayanan, G.; Calzetti, D.; Yun, M.; Terlevich, E.; Terlevich, R. J.; Mayya, Y. D.; Chávez, M.; Montaña, A.; Pérez-García, A. M., Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias) Vol. 49, pp. 184-184 (2017)

82. Photogrammetry mapping and alignment of the LMT 50-meter primary reflector, Gale, David M.; Schloerb, F. Peter; León Huerta, Andrea; Lucero Álvarez, Maribel; Cabrera Cuevas, Lizeth; Tecuapetla Sosa, Esteban; Castro Santos, David; Tzile Torres, Carlos; Hernández Ríos, Emilio, Proceedings of the SPIE, Volume 10706, id. 1070646, 10 pp. (2018).

83. A Decade of US Community Access to the Large Millimeter Telescope Alfonso Serrano, Schloerb, Peter; Aretxaga, Itziar; Chavez, Miguel; Gutermuth, Rob; Heyer, Mark; Hughes, David H.; Narayanan, Gopal; Pope, Alexandra; Souccar, Kamal; Wilson, Grant; Yun, Min, Astro2020: Decadal Survey on Astronomy and Astrophysics, APC white papers, no. 148; Bulletin of the American Astronomical Society, Vol. 51, Issue 7, id. 148 (2019)

84. Observations of Comets with the Large Millimeter Telescope Alfonso Serrano, Schloerb, F. Peter, to be published in Memorie della Societa Astronomica Italiana (Journal of the Italian Astronomical Society) (2020).

IAU Circulars

1. Periodic Comet Halley (1982i), Schloerb, F.P., Kinzel, W.K., Swade, D.A., and Irvine, W.M., IAU Circular 4176 (1986). (Detection of HCN in P/Halley)

2. Periodic Comet Halley (1982i), Schloerb, F.P., Kinzel, W.K., Swade, D.A., and Irvine, W.M., IAU Circular 4188 (1986). (Discovery of Time Variability of HCN Emission in P/Halley)

3. Comet Levy (1990c), Schloerb F.P., and Ge, W. IAU Circular #5081 (1990). (Detection and Mapping of HCN J=3-2 Emission from Comet Levy; Discovery of Asymmetric HCN Brightness Distribution).

4. Comet Levy (1990c), Schloerb F.P., and Ge, W. IAU Circular #5083 (1990). (First Detections of submillimeter HCN J=4-3 and H₂CO 5(1,5)-4(1,4) Emission from a Comet; detection of CH₃OH).

5. Comet C/1995 O1 (Hale-Bopp), Lovell, A., Schloerb P., DeVries, C., Dickens, J., Irvine, W., and Senay, M, IAU Circular #6590 (1997). (Discovery of extended HCO⁺ emission with strong tailward enhancement).

6. Comet C/2002 T7 (LINEAR) Howell, E. S.; Lovell, A. J.; Schloerb, F. P. IAU Circ., 8329, 2 (2004). (OH Production)