

## Glenn Schneider – Publication List

(18 January 2017)

### Refereed Journals (101)

- 1R. **Schneider, G.** 1982, "Fourier Transformation by Harmonic Analysis", *APL Quote Quad*, **11-2**, 19
- 2R. **Schneider, G.** 1982, "Inverse Fourier Transformation", *APL Quote Quad*, **11-2**, 21
- 3R. Dunham, E. W., Baron, R. L., Conner, S., Dunham, D. W., Dunham, J. B., **Schneider, G.**, Cohen, H. L., Helms, V. T. III, Croom, M., & Safko, J. 1984, "Results from the Occultation of 14 Piscium by (51) Nemausa", *Astronomical Journal*, **89**, 1755
- 4R. Millis, R. L., Wasserman, L. H., Franz, O. G., Nye, R. A., Oliver, R. C., Kreidl, T. J., Jones, S. E., Hubbard, W., Lebofsky, L., Goff, R., Marcialis, R., Sykes, M., Fecker, J., Hunten, D., Zellner, B., Reitsema, H., **Schneider, G.**, Dunham, E., Klavetter, J., Meech, K., Oswalt, T., Rayfert, J., Strothers, E., Smith, J., Povenmire, H., Jones, B., Kornbluh, D., Reed, L., Izon, K., A'Hearn, M. F., Schnurr, R., Osborn, W., Klemola, A., Rios, M., Sanchez, A., Pirronen, J., Mooney, M., Ireland, S., Parker, D., Douglas, W. T., Beish, J. D., & Leibow, D. 1987, "The Size, Shape, Density, and Albedo of Ceres from Its Occultation of BD+08 471", *Icarus*, **72**, 507
- 5R. **Schneider, G.** 1989, "The Jurkevich Periodogram", *APL Quote Quad*, **19-2**, 23
- 6R. **Schneider, G.**, Paluzzi, P., & Oliver, J. P. 1989, "Systematic Error in the Synoptic Sky Cover Record of the South Pole", *Journal Of Climate*, **2**, 295
- 7R. Dunham, D. W., Dunham, J. B., A'Hearn, M. F., Schnurr, R., Binzel, R. P., Henry, G., Frueh, M., Evans, D. S., Howell, E., Wasserman, L. H., Nye, R., Chapman, C. R., Dietz, R. D., Moncivais, C., Douglas, W. T., Parker, D. C., Beish, J. D., Martin, J. O., Monger, D. R., Hubbard, W. B., Reitsema, H. J., Klemola, A. R., Lee, P. D., McNamara, B., Maley, P. D., Manly, P., Markworth, N. L., Nolthenius, R., Povenmire, H., Purrington, R. D., Durham, F. E., Trenary, C., Jenevin, W., Dauns, J., **Schneider, G.**, Schuster, W. J., Moreno, M. A., Guichard, J., Sanchez, G. R., Strothers, E., Taylor, G. E., & Uppgren, A. 1989, "The Size and Shape of (2) Pallas from the 1983 Occultation of 1 Vulpeculae", *Publication of the Astronomical Society of the Pacific*, **99**, 1663
- 8R. **Schneider, G.**, and Anderson, C. 1993, "Rosemary Hill Observatory Lunar Occultation Summary for 1983-1984", *Publication of the Astronomical Society of the Pacific*, **105**, 367
- 9R. McCarthy, D., Stolovy, S., Kern, S., **Schneider, G.**, Ferro, A., Spinrad, H., Black, J., & Smith, B. 1999, "NICMOS/HST Post-Perihelion Images of Comet Hale-Bopp in Outburst", *Earth, Moon and Planets*, **78**, 243
- 10R. Thompson, R. I., Rieke, M., **Schneider, G.**, Hines, D. C., & Corbin, M. 1998, "Initial On-Orbit Performance of NICMOS", *Astrophysical Journal*, **492**, L95
- 11R. Thompson, R. I., Corbin, M., Young, E., **Schneider, G.**, & Rieke, M. 1998, "NGC 2264 IRS Evidence for Triggered Star Formation", *Astrophysical Journal*, **492**, L177
- 12R. McCaughrean, M. E., Chen, H., Bally, J., Erickson, E., Rieke, M., **Schneider, G.**, Stolovy, S., Thompson, R., & Young, E. 1998, "High-Resolution Near-Infrared Imaging of the Orion 114-426 Silhouette Disk", *Astrophysical Journal*, **492**, L157
- 13R. Scoville, N. Z., Evans, A. S., Dinshaw, R., Thompson, R., Rieke, M., **Schneider, G.**, Low, F. J., Hines, D., Stobie, B., Becklin, E., & Epps, H. 1998, "NICMOS Imaging of the Nuclei of ARP 220", *Astrophysical Journal*, **492**, L107
- 14R. Kulkarni, V. P., Calzetti, L., Bergeron, L., Rieke, M., Axon, D., Skinner, C., Colina, L., Sparks, W., Daou, D., Gilmore, D., Holfeltz, S., MacKenty, J., Noll, K., Ritchie, C., **Schneider, G.**, Schultz, A., Storrs, A., Suchkov, A., & Thompson, R. 1998, "Unveiling the Hidden Nucleus of IC 5063 with NICMOS", *Astrophysical Journal*, **492**, L121
- 15R. Stolovy, S. R., Burton, M. G., Erickson, E. F., Kaufman, M. J., Chrysostomou, Young, E. T., Colgan, S., Axon, D. J., Thompson, R. I., Rieke, M. J., & **Schneider, G.** 1998, "NICMOS 2 Micron Continuum and H2 Images of OMC-1", *Astrophysical Journal*, **492**, L151
- 16R. Sahai, R., Hines, D., Kastner, J., Weintraub, D., Trauger, J., Rieke, M., Thompson, R., & **Schneider, G.** 1998, "The Structure of the Prototype Bipolar Protoplanetary Nebula CRL 2688 (Egg Nebula): Broadband, Polarimetric, and H2 Line Imaging with NICMOS on the Hubble Space Telescope", *Astrophysical Journal*, **492**,

- 17R. Chen, H., Bally, J., O'Dell, R. C., McCaughrean, J., Thompson, R., Rieke, M., **Schneider, G.**, & Young, E. T. 1998, "2.12 Micron Molecular Hydrogen Emission from Circumstellar Disks Embedded in the Orion Nebula", *Astrophysical Journal*, **492**, L173
- 18R. **Schneider, G.**, Hershey, J. L., & Wenz, M. T. 1998, "Duplicity in HST Guide Stars - FGS Serendipitous Survey Results", *Publication of the Astronomical Society of the Pacific*, **110**, 1012
- 19R. Thompson, R. I., Storrie-Lombardi, L. J., Weymann, R. J., Rieke, M. J., **Schneider, G.**, Stobie, E., & Lytle, D. 1999, "NICMOS Observations of the Hubble Deep Field: Observations, Data Reduction, and Galaxy Photometry", *Astronomical Journal*, **117**, 17
- 20R. Lowrance, P., McCarthy, C., Backlin, E., Zuckerman, B., **Schneider, G.**, Webb, R., Hines, D., Kirkpatrick, J., Koerner, D., Low, F., Meier, R., Rieke, M., Smith, B., Terrile, R., & Thompson, R. 1999, "A Candidate Substellar Companion to CoD -33°7795 (TWA5)", *Astrophysical Journal*, **512**, L69
- 21R. **Schneider, G.**, Smith, B. A., Becklin, E. E., Koerner, D. W., Meier, R., Hines, D. C., Lowrance, P. J., Terrile, R. J., Thompson, R. I., & Rieke, M. 1999, "NICMOS Imaging of the HR 4796A Circumstellar Disk", *Astrophysical Journal*, **513**, L127
- 22R. Dumas, C., Terrile, R. J., Smith, B. A., **Schneider, G.**, & Becklin, E. 1999, "Stability of Neptune's Ring-Arcs In Question", *Nature*, **400**, 733
- 23R. Low, F. J., Hines, D. C., & **Schneider, G.** 1999, "NICMOS Observations of the Pre-Main-Sequence Planetary Debris System HD 98800", *Astrophysical Journal*, **520**, L45
- 24R. Weinberger, A. J., Becklin, E. E., **Schneider, G.**, Smith, B. A., Lowrance, P. J., Silverstone, M. D., & Zuckerman, B. 1999, "The Circumstellar Disk of HD 141569 Imaged with NICMOS", *Astrophysical Journal*, **522**, L53
- 25R. Kulkarni, V. P., Hill, J. M., **Schneider, G.**, Weymann, R. J., Storrie-Lombardi, L. J., Rieke, M. J., Thompson, R. I., & Jannuzi, B. 2000, "NICMOS Imaging of the Damped Ly- $\alpha$  Absorber at  $z = 1.89$  toward LBQS 1210+1731: Constraints on Size and Star Formation Rate", *Astrophysical Journal*, **536**, 36
- 26R. Corbin, M. R., Vacca, W. D., O'Neil, E., Thompson, R. I., Rieke, M., & **Schneider, G.** 2000, "Photometric Redshifts and Morphologies of Galaxies in the NICMOS Parallel Fields", *Astronomical Journal*, **119**, 1062.
- 27R. Hines, D. C., Schmidt, G. D., & **Schneider, G.** 2000, "Analysis of Polarized Light with NICMOS", *Publication of the Astronomical Society of the Pacific*, **112**, 983
- 28R. Luhman, K. L., Rieke, G. H., Young, E. T., Cotera, Angela, S., Chen, H., Rieke, M. J., **Schneider, G.**, & Thompson, R. I. 1999, "The Initial Mass Function of Low-Mass Stars and Brown Dwarfs in Young Clusters", *Astronomical Journal*, **540**, 1016
- 29R. Lowrance, P. J., **Schneider, G.**, Kirkpatrick, J. D., Becklin, E. E., Weinberger, A. J., Zuckerman, B., Plait, P., Malimuth, E. M., Heap, S. R., Schultz, A., Smith, B. A., Terrile, R. J., & Hines, D. C. 2000, "A Candidate Substellar Companion to HR 7329", *Astrophysical Journal*, **541**, L390
- 30R. Corbin, M. R., O'Neil, E., Thompson, R. I., Rieke, M. J., & **Schneider, G.** 2000, "A Color Analysis of the NICMOS Parallel Image Archive", *Astronomical Journal*, **120**, 1209
- 31R. **Schneider, G.**, Becklin, E. E., Smith, B. A., Hines, D., Weinberger, A. J., & Silverstone, M., 2001, "NICMOS Coronagraphic Observations of 55 Cancri", *Astronomical Journal*, **121**, 525
- 32R. Corbin, M. A., Urban, A., Stobie, E., Thompson, R. I., & **Schneider, G.** 2001, "A Multivariate Analysis of Galaxies in the Hubble Deep Field", *Astronomical Journal*, **551**, 23
- 33R. Dumas, C., Terrile, R. J., Brown, R. H., **Schneider, G.**, & Smith, B. A. 2001, "HST/NICMOS Spectroscopy of Charon's Leading and Trailing Hemispheres", *Astronomical Journal*, **121**, 1163
- 34R. Kulkarni, V. P., Hill, J. M., **Schneider, G.**, Weymann, R. J., Storrie-Lombardi, L. J., Rieke, M. J., Thompson, R. I., & Jannuzi, B. 2001, "A Search for the Damped Ly- $\alpha$  Absorber at  $z = 1.86$  toward QSO 1244+3443 with NICMOS", *Astrophysical Journal*, **551**, 37

- 35R. Cotera, A. S., Whitney, B. A., Young, E., Wolff, M. J., Wood, K., Povich, M., **Schneider, G.**, Rieke, M., & Thompson, R. 2001, "High-resolution Near-Infrared Images and Models of the Circumstellar Disk in HH 30", *Astrophysical Journal*, **556**, 958
- 36R. Boeker, T., Bacinski, J., Bergeron, L., Calzetti, D., Jones, M., Gilmore, D., Holfeltz, S., Monroe, B., Nota, A., Sosey, M., **Schneider, G.**, O'Neil, E., Hubbard, P., Ferro, A., Barg, I., & Stobie, E., 2001, "Properties of PACE-I HgCdTe Detectors in Space - the NICMOS Warm-up Monitoring Program", *Publication of the Astronomical Society of the Pacific*, **113**, 859
- 37R. Weinberger, A. J., Becklin, E. E., **Schneider, G.**, Chaing, E. I., Lowrance, P. J., Silverstone, M., Zuckerman, B., Hines, D. C., & Smith, B. A. 2002, "Infrared Views of the TW Hya Disk", *Astrophysical Journal*, **566**, 409
- 38R. Dumas, C., Terrielle, R. J., Smith, B. A., & **Schneider, G.** 2002, "Astrometry and Near-Infrared Photometry of Neptune's Inner Satellites and Ring-Arcs", *Astronomical Journal*, **123**, 1776
- 39R. **Schneider, G.**, Wood, K., Silverstone, M., Hines, D. C., Koerner, D. W., Whitney, B. A., Bjorkman, J. E., & Lowrance, P. J. 2003, "NICMOS Coronagraphic Observations of the GM Aurigae Circumstellar Disk", *Astronomical Journal*, **125**, 1467
- 40R. **Schneider, G.**, Pasachoff, J. M., & Golub, L. 2003, "TRACE Observations of the 15 November 1999 Transit of Mercury and the Black Drop Effect for the 2004 Transit of Venus", *Icarus*, **168**, 249
- 41R. Low, F. J., **Schneider, G.**, & Neugebauer, G. 2004, "High Spatial Resolution HST/NICMOS Observations of Markarian 231", *Publication of the Astronomical Society of the Pacific*, **116**, 797
- 42R. Max, C. E., Canalizo, G., Macintosh, B. A., Raschke, L., Whysong, D., Antonucci, R., & **Schneider, G.** 2005, "The Core of NGC 6240 from Keck Adaptive Optics and HST NICMOS Observations", *Astrophysical Journal*, **621**, 738
- 43R. Thompson, R. I., Illingworth, G., Bouwens, R., Dickenson, M., Eisenstein, D., Fan, X., Franx, M., Riess, A., Rieke, M. J., **Schneider, G.**, Stobie, E., Toft, S., & van Dokkum, P. 2005, "The Near-Infrared Camera and Multi-Object Spectrometer Ultra Deep Field: Observations, Data Reduction, and Galaxy Photometry", *Astronomical Journal*, **130**, 1
- 44R. **Schneider, G.**, Silverstone, M. D., & Hines, D. C. 2005, "Discovery of a Nearly Edge-On Disk Around HD 32297", *Astrophysical Journal*, **639**, L227
- 45R. Lowrance, P. J., Becklin, E. E., **Schneider, G.**, Kirkpatrick, J. D., Weinberger, A. J., Zuckerman, B., Duman, C., Beuzit, J-L, Plait, P., Malimuth, E., Heap, S., Terrielle, R. J., & Hines, D. C. 2005, "An Infrared Coronagraphic Survey for Substellar Companions", *Astronomical Journal*, **130**, 1845
- 46R. **Schneider, G.**, Pasachoff, J. M., and Willson, R. 2006, "The Effect of the Transit of Venus on ACRIM's Total Solar Irradiance Measurements: Implications for Transit Studies of Extrasolar Planets", *Astrophysical Journal*, **641**, 565
- 47R. **Schneider, G.**, Silverstone, M. D., Hines, D. C., Augereau, J-C, Pinte, C., Menard, F., Krist, J., Clampin, M., Grady, C., Golimowski, D., Ardila, D., Henning, T., Wolf, S., & Rodmann, J. 2006, "Discovery of an 86 AU Radius Debris Ring around HD 181327", *Astrophysical Journal*, **650**, 414
- 48R. Song, I., **Schneider, G.**, Zuckerman, B., Farihi, J., Becklin, E. E., Lowrance, P., Macintosh, B. A., & Bessell, M. S. 2006, "HST NICMOS Imaging of the Planetary-mass Companion to the Young Brown Dwarf 2MASSJ1207334-393264", *Astrophysical Journal*, **652**, 724
- 49R. Greissl, J., Meyer, M. R., Wilking, B. A., Fanetti, T., **Schneider, G.**, Greene, T. P., & Young, E. 2007, "Hubble Space Telescope NICMOS Observations of NGC 1333: The Ratio of Stars to Sub-Stellar Objects", *Astronomical Journal*, **133**, 1321
- 50R. Pollack, L. K., Max, C. E., & **Schneider, G.** 2007, "Circumnuclear Star Clusters in the Galaxy Merger NGC 6240, Observed with Keck Adaptive Optics and HST", *Astrophysical Journal*, **660**, 288
- 51R. Grady, C. A., **Schneider, G.**, Hamaguchi, K., Sitko, M., L., Carpenter, W. J., Hines, D., Collins, K. A., Williger, G. M., Woodgate, B. E., Henning, Th., Menard, F., Wilner, D., Petre, R., Palunas, P., Quirrenbach, J. A., Nurth III, J. A., Silverstone, M. D., & Kim, J. S. 2007, "The Disk and Environment of a Young Vega Analog: HD 169142", *Astrophysical Journal*, **665**, 1391

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- 53R. Debes, J., H., Weinberger, A. J., & **Schneider, G.** 2008, "Complex Organic Molecules in the Spectrum of the HR 4796A Disk", *Astrophysical Journal*, **637**, L191
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- 55R. **Schneider, G.**, Weinberger, A. J., Debes, J., & Smith, B. A. 2009, "STIS Imaging of the HR 4796A Circumstellar Debris Ring", *Astronomical Journal*, **137**, 53
- 56R. Thompson, R. I., Sauvage, M., Kennicutt, R. C., Engelbracht, C., Vanzi, L., & **Schneider, G.** 2009, "Super Star Clusters in SBS0335-052E", *Astrophysical Journal*, **691**, 1068
- 57R. Batcheldor, D., Schneider, G., Hines, D. C., Schmidt, G. D., Axon, D. J., Robinson, A., Sparks, W., & Tadhunter, C. 2009, "High Accuracy Imaging Polarimetry with NICMOS", *Publication of the Astronomical Society of the Pacific*, **121**, 153
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- 61R. Perrin, M. D., **Schneider, G.**, Duchene, G., Pinte, C., Grady, C. A., & Hines, D. C. 2009, "The Case of AB Aurigae's Disk in Polarized Light: Is There Truly a Gap?", *Astrophysical Journal*, **707**, L132
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- 65R. Pasachoff, J. M., **Schneider, G.**, & Widemann, T. 2011, "High Resolution Satellite Imaging of the 2004 Transit of Venus and Asymmetries in the Cytherian Atmosphere", *Astronomical Journal*, **141**, 112
- 66R. Dong, H., Wang, Q. D., Cotera, A., Stolovy, S., Morris, M. R., Mauerhan, J., Mills, E. A., **Schneider, G.**, Calzetti, D., & Lang, C. 2011, "Hubble Space Telescope Paschen-alpha Survey of the Galactic Center: Data Reduction and Products", *Monthly Notices of the Royal Astronomical Society*, **417**, 114
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