

Dean C. Hines, Ph.D.

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Personal — Born: November 4, 1962; Albuquerque, New Mexico; Married

Primary Astronomy Research Interests

- **Extragalactic:** Active Galactic Nuclei, QSOs and QSO Host Galaxies
- **Galactic:** Formation & Evolution of Planetary Systems; Proto-Planetary Nebulae; Supernovae
- **Instrumentation:** Optical, Infrared & Radio Imaging and (spectro-) polarimetry

Education

- Ph.D., Astronomy, May 1994, University of Texas at Austin
- M.Sc., Physics, December 1987, New Mexico Institute of Mining and Technology
- B.S., High Honors in Physics w/ Astrophysics, May 1985, New Mexico Tech
- High School Diploma, 1981, Sandia Preparatory School, Albuquerque, NM

Professional Experience

Oct. 2003 – Present	Research Scientist Space Science Institute Boulder, CO	MIPS Project: GTO Science Coordinator & IOC Ops Lead NICMOS Project: GTO Science, Polarimetry Calibration FEPS SIRTf Legacy Team: Data Reduction Lead CIT-II – Science Team Independent Research: <i>HST</i> , <i>SIRTf</i> & Ground-Based Galactic & Extragalactic Astrophysics
Jan. 1999 – Sept. 2003	Assistant Astronomer Steward Observatory, Tucson, AZ	MIPS Project: GTO Science Coordinator & IOC Ops Lead NICMOS Project: GTO Science, Instrument Calibration FEPS SIRTf Legacy Team: Data Reduction Lead Independent Research: <i>HST</i> & Ground-Based
Feb. 1996 – Dec. 1998	Research Associate Steward Observatory	NICMOS Project: GTO Science, Instrument Calibration Independent Research: <i>HST</i> & Ground-Based
Aug. 1994 – Jan. 1996	Research Associate Steward Observatory	<i>SIRTf</i> Facility Science: Science Definition Independent Research: <i>HST</i> & Ground-Based
Jan. 1994 – Aug. 1996	President, Ninth Wave, Inc.	Internet Business Consulting & Design; Public Internet Education
Jan. 1995 – May 1995	Instructor Steward Observatory	Astronomy 101L7, Introductory Astronomy Lab.
Sept. 1987 – May 1994	Research & Teaching Assistant University of Texas	Introductory and Intermediate Undergraduate Astronomy
June 1991 – May 1994	System Administrator University of Texas	Unix Sun Sparc 2 & Sparc ELC
Sept. 1985 – Aug. 1987	Research & Teaching Assistant New Mexico Tech	Introductory and Intermediate Undergraduate Physics
Sept. 1981 – Dec. 1981	Lab Tech, New Mexico Tech	Assay for Copper Ore: Sample Preparation and Atomic Absorption Spectroscopy

Grant Funding & Administration

2006 – D.C. Hines (PI) – Two large programs using HST and Spitzer
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2004 – D.C. Hines (PI), Extended Emission in IRAS F15307+3252; NASA/STScI
2003 – \$80K; D.C. Hines (PI), Enabling NICMOS Coronagraphic Polarimetry; NASA/STScI
2002 – \$17,676, D.C. Hines (PI), Cycle 11 NICMOS polarimetric Calibration Contract; NASA/STScI
2001 – \$89,000, D.C. Hines (PI), Cycle 10 GO 9057; STScI
1999 – \$10,900, D.C. Hines (PI); ISO Grant for US PI's, (year 3); JPL
1996 – \$32,900 D.C. Hines (PI); ISO Grant for US PI's, (years 1 & 2); NASA/JPL
1995 – \$51,451 D.C. Hines (PI); Cycle 5 GO 5928, STScI
1994 – \$45,817 D.C. Hines (PI); Cycle 4 GO 5463, STScI

Public Outreach

Voices In Science Lecture Series, Lodestar Planetarium, Albuquerque, April 2005.
SIRTF Legacy Science Public Outreach Development
Consultant: IMPACTT Curriculum Development, Center for Toxicology; University of Arizona
Steward Public Lecture Series: "Near, Far, Young & Old: The Universe Unveiled by NICMOS"
Sponsor: NASA Space Grant Student (2000 – 2001)
Author: "Tucson Skies," in Wrightstown Homeowners Assoc. Quarterly (1999-2001)

Invited Talks

See Attached (Complete) Bibliography.

Committees

Spitzer Users Panel – 2005 - 2008
Spitzer Time Allocation Committee Panel Member – 2006, 2007
Chandra Time Allocation Committee Panel Member – 2006
IRTF Time Allocation Committee – 2006 – 2008
NASA *Herschel* Science Center Readiness Review Board - 2007

Honors & Awards

NASA Public Service Group Achievement Award, 2005, *Spitzer* MIPS Commissioning
NASA Group Achievement Award, 2004, *Spitzer* Helium Utilization IPT
NASA Group Achievement Award, 2004, *Spitzer* Focus IPT
NASA Group Achievement Award, 2004, *Spitzer* Payload Team
William F. Lucas/San Diego Astronomy Association, Junior Faculty Award, 1996
Astrophysics Research Center Award, 1987
National Radio Astronomy Observatory Summer Student, 1986
New Mexico Division of Vocational Rehabilitation Scholarship, Sept. 1981 – May 1985
New Mexico Tech Scholar Award, 1983
New Mexico Tech Regents Scholarship, Jan. 1982 – May, 1985
Sam Stratton & Republican Scholarships, 1981
New Mexico Tech Undergraduate Honors Program, 1981
High School, Student Body President, 1979

Memberships

American Astronomical Society, 1986 – present
American Association for the Advancement of Science (AAAS), 2007
Vice President, Board of Directors, Coyote Kite Club of Tucson, 1995-1996
National Honor Society, Elected 1979
Quill and Scroll National Honor Society, Elected 1979
Handicapped Scuba Association, 1992
Regional Director Texas Sky Riders, 1993-1994