

GEMINI TELESCOPES (NOAO SYSTEM SCIENCE CENTER)

During FY 10 (Oct. 2009–Sept. 2010), 54 publications used data taken at the Gemini telescopes:

- Andrews, J.E., et al. 2010, ApJ, 715, 541, “SN 2007od: A Type IIP Supernova with Circumstellar Interaction”
- Arcavi, I., et al. 2010, ApJ, 721, 777, “Core-Collapse Supernovae from the Palomar Transient Factory: Indications for a Different Population in Dwarf Galaxies”
- Bayliss, M.B., et al. 2010, ApJ, 720, 1559, “Two Lensed Lyman-alpha Emitting Galaxies at $z \sim 5$ ”
- Berger, E., et al. 2010, ApJ, 709, 332, “Simultaneous Multi-wavelength Observations of Magnetic Activity in Ultracool Dwarfs. III. X-ray, Radio, and H α Activity Trends in M and L Dwarfs”
- Berger, E., Cenko, S.B., Fox, D.B., Cucchiara, A. 2009, ApJ, 704, 877, “Discovery of the Very Red Near-Infrared and Optical Afterglow of the Short-Duration GRB 070724A”
- Biller, B.A., et al. 2010, ApJ, 720, L82, “The Gemini NICI Planet-Finding Campaign: Discovery of a Close Substellar Companion to the Young Debris Disk Star PZ Tel”
- Botticella, M.T., et al. 2010, ApJ, 717, L52, “Supernova 2009kf: An Ultraviolet Bright Type IIP Supernova Discovered with Pan-STARRS 1 and GALEX”
- Burningham, B., et al. 2010, MNRAS, 406, 1885, “47 New T Dwarfs from the UKIDSS Large Area Survey”
- Cherinka, B., Schulte-Ladbeck, R.E., Rosenberg, J.L. 2009, AJ, 138, 1714, “H I Observations of the Ca II Absorbing Galaxies Mrk 1456 and SDSS J211701.26-002633.7”
- Chiboucas, K., et al. 2009, ApJS, 184, 271, “The Gemini/HST Cluster Project: Structural and Photometric Properties of Galaxies in Three $z = 0.28-0.89$ Clusters”
- Close, L.M., Males, J.R. 2010, ApJ, 709, 342, “A Search for Wide Companions to the Extrasolar Planetary System HR 8799”
- Cobb, B.E., et al. 2010, ApJ, 718, L150, “Discovery of SN 2009nz Associated with GRB 091127”
- Correia, S., Zinnecker, H., **Ridgway, S.T.**, McCaughrean, M.J. 2009, A&A, 505, 673, “The H₂ Velocity Structure of Inner Knots in HH 212: Asymmetries and Rotation”
- De Buizer, J.M., Vacca, W.D. 2010, AJ, 140, 196, “Direct Spectroscopic Identification of the Origin of ‘Green Fuzzy’ Emission in Star-Forming Regions”
- Díaz-Santos, T., et al. 2010, ApJ, 711, 328, “A High Spatial Resolution Mid-infrared Spectroscopic Study of the Nuclei and Star-Forming Regions in Luminous Infrared Galaxies”
- Dupuy, T.J., Liu, M.C., Bowler, B.P. 2009 ApJ, 706, 328, “Dynamical Mass of the M8+M8 Binary 2MASS J22062280–2047058AB”

- Fekel, F.C., **Hinkle, K.H.**, **Joyce, R.R.**, Wood, P.R. 2010, AJ, 139, 1315, “Infrared Spectroscopy of Symbiotic Stars. VIII. Orbits for Three S-Type Systems: AE Arae, Y Coronae Australis, and SS 73-147”
- Fletcher, L.N., et al. 2010, Icarus, 208, 306, “Thermal Structure and Composition of Jupiter’s Great Red Spot from High-Resolution Thermal Imaging”
- Fritz, A., Jørgensen, I., Schiavon, R.P., Chiboucas, K. 2009, Astronomische Nachrichten, 330, 931, “The Evolution of Cluster Early-Type Galaxies over the Past 8 Gyr”
- García-Hernández, D.A., ... **Hinkle, K.H.**, et al. 2010, ApJ, 714, 144, “Oxygen Isotopic Ratios in Cool R Coronae Borealis Stars”
- Geballe, T.R., Oka, T. 2010, ApJ, 709, L70, “Two New and Remarkable Sightlines through the Galactic Center’s Molecular Gas”
- Graham, M.L., et al. 2010, AJ, 139, 594, “The Type Ia Supernova Rate in Radio and Infrared Galaxies from the Canada-France-Hawaii Telescope Supernova Legacy Survey”
- Harrison, T.E., Bornak, J., Rupen, M.P., **Howell, S.B.** 2010, ApJ, 710, 325, “Additional Spitzer IRS Spectroscopy of Three Intermediate Polars: The Detection of a Mid-Infrared Synchrotron Flare from V1223 Sagittarii”
- Hynes, R.I., et al. 2009, MNRAS, 399, 2239, “The Quiescent Spectral Energy Distribution of V404 Cyg”
- Indriolo, N., Hobbs, L.M., **Hinkle, K.H.**, McCall, B.J. 2009, ApJ, 703, 2131, “Interstellar Metastable Helium Absorption as a Probe of the Cosmic-Ray Ionization Rate”
- Jönsson, J., et al. 2010, MNRAS, 405, 535, “Constraining Dark Matter Halo Properties Using Lensed Supernova Legacy Survey Supernovae”
- Kilic, M., et al. 2010, ApJS, 190, 77, “A Detailed Model Atmosphere Analysis of Cool White Dwarfs in the Sloan Digital Sky Survey”
- Kronborg, T., et al. 2010, A&A, 514, A44, “Gravitational Lensing in the Supernova Legacy Survey (SNLS)”
- Kubota, K., et al. 2010, ApJ, 709, 1374, “Subaru and Gemini Observations of SS 433: New Constraint on the Mass of the Compact Object”
- Levesque, E.M., et al. 2010, MNRAS, 401, 963, “GRB090426: The Environment of a Rest-Frame 0.35-s Gamma-ray Burst at a Redshift of 2.609”
- Martin, J.C., Davidson, K., Humphreys, R. M., Hehner, A. 2010, AJ, 139, 2056, “Mid-cycle Changes in Eta Carinae”
- Maurer, J.I., ... **Matheson, T.**, et al. 2010, MNRAS, 402, 161, “Characteristic Velocities of Stripped-Envelope Core-Collapse Supernova Cores”

McLeod, K.K., Bechtold, J. 2009 ApJ, 704, 415, “Host Galaxies of $z = 4$ Quasars”

Mehner, A., et al. 2010, ApJ, 717, L22, “A Sea Change in Eta Carinae”

Mentuch, E., et al. 2009, ApJ, 706, 1020, “A Near-Infrared Excess in the Continuum of High-Redshift Galaxies: A Tracer of Star Formation and Circumstellar Disks?”

Morlok, A., et al. 2010, Icarus, 207, 45, “Mid-infrared Spectra of the Shocked Murchison CM Chondrite: Comparison with Astronomical Observations of Dust in Debris Disks”

Mothé-Diniz, T., et al. 2010, A&A, 514, 86, “Re-assessing the Ordinary Chondrites Paradox”

Nielsen, E.L., Close, L.M. 2010, ApJ, 717, 878, “A Uniform Analysis of 118 Stars with High-Contrast Imaging: Long-Period Extrasolar Giant Planets are Rare around Sun-Like Stars”

Palanque-Delabrouille, N., et al. 2010, A&A, 514, 63, “Photometric Redshifts for Type Ia Supernovae in the Supernova Legacy Survey”

Perley, D.A., et al. 2009, AJ, 138, 1690, “The Host Galaxies of Swift Dark Gamma-ray Bursts: Observational Constraints on Highly Obscured and Very High Redshift GRBs”

Perrett, K., et al. 2010, AJ, 140, 518, “Real-Time Analysis and Selection Biases in the Supernova Legacy Survey”

Rice, E.L., Faherty, J.K., Cruz, K.L. 2010, ApJ, 715, L165, “The Lowest-Mass Member of the β Pictoris Moving Group”

Rothberg, B., Fischer, J. 2010, ApJ, 712, 318, “Unveiling the σ -Discrepancy in Infrared-Luminous Mergers. I. Dust and Dynamics”

Scarlata, C., et al. 2009, ApJ, 706, 1241, “He II Emission in Ly α Nebulae: Active Galactic Nucleus or Cooling Radiation?”

Sesar, B., Vivas, A.K., Duffau, S., Ivezić, A. 2010, ApJ, 717, 133, “Halo Velocity Groups in the Pisces Overdensity”

Seth, A.C., ... **Olsen, K., Blum, R.D.**, et al. 2010, ApJ, 714, 713, “The NGC 404 Nucleus: Star Cluster and Possible Intermediate-Mass Black Hole”

Skemer, A.J., et al. 2010, ApJ, 711, 1280, “ISM Dust Grains and N-Band Spectral Variability in the Spatially Resolved Subarcsecond Binary UY Aur”

Smith, N., et al. 2009, MNRAS, 399, 952, “Massive Star Formation and Feedback in W49A: The Source of Our Galaxy’s Most Luminous Water Maser Outflow”

Sullivan, M., et al. 2010, MNRAS 406, 782, “The Dependence of Type Ia Supernovae Luminosities on Their Host Galaxies”

Sun, M., et al. 2010, ApJ, 708, 946, “Spectacular X-ray Tails, Intracluster Star Formation, and ULXs in A3627”

Tanvir, N.R., et al. 2009, Nature, 461, 1254, “A γ -ray Burst at a Redshift of $z \sim 8.2$ ”

Thompson, S.E., et al. 2010, ApJ, 714, 296, “Pulsational Mapping of Calcium across the Surface of a White Dwarf”

Tokovinin, A., Hartung, M., Hayward, T.L. 2010, AJ, 140, 510, “Subsystems in Nearby Solar-Type Wide Binaries”

Vilardell, F., et al. 2010, A&A, 509, A70, “The Distance to the Andromeda Galaxy from Eclipsing Binaries”