

Gemini Telescopes (NOAO Gemini Science Center), FY2009*

In FY09, 59 publications used data taken at the Gemini telescopes:

Berger, E. 2008, ApJ, 690, 231, “The Host Galaxies of Short-Duration Gamma-Ray Bursts: Luminosities, Metallicities, and Star Formation Rates”

Bitner, M.A., ..., **Doppman, G., Najita, J.R.**, et al. 2008, ApJ, 688, 1326, “The TEXES Survey for H₂ Emission from Protoplanetary Disks”

Bloom, J.S., et al. 2009, ApJ, 691, 737, “Observations of the Naked-Eye GRB 080319B: Implications of Nature’s Brightest Explosion”

Bordalo, V., Plana, H., Telles, E. 2009, ApJ, 696, 1668, “The Internal Kinematics of the H II Galaxy II Zw 40”

Brittain, S.E., **Najita, J.R.**, Carr, J.S. 2009, ApJ, 702, 85, “Tracing the Inner Edge of the Disk around HD 100546 with Rovibrational CO Emission Lines”

Brown, M.E., et al. 2009, Geophysical Research Letters, 36, L01103, “Discovery of Lake-Effect Clouds on Titan”

Chen, C.H., Fitzgerald, M.P., Smith, P.S. 2008, ApJ, 689, 539, “A Possible Icy Kuiper Belt around HD 181327”

Collins, K.A., et al. 2009, ApJ, 697, 557, “HD 100453: A Link between Gas-Rich Protoplanetary Disks and Gas-Poor Debris Disks”

Crockett, R.M., et al. 2008, MNRAS, 391, L5, “The Type IIb SN 2008ax: The Nature of the Progenitor”
Cushing, M.C., et al. 2009, ApJ, 696, 986, “2MASS J06164006–6407194: The First Outer Halo L Subdwarf”

Damjanov, I., et al. 2009, ApJ, 695, 101, “Red Nuggets at $z \sim 1.5$: Compact Passive Galaxies and the Formation of the Kormendy Relation”

Deloye, C.J., Heinke, C.O., Taam, R.E., Jonker, P.G. 2008, MNRAS, 391, 1619, “Optical Observations of SAX J1808.4-3658 During Quiescence”

Dupuy, T.J., Liu, M.C., Ireland, M.J. 2009, ApJ, 699, 168, “Keck Laser Guide Star Adaptive Optics Monitoring of the M8+L7 Binary LHS 2397aAB: First Dynamical Mass Benchmark at the L/T Transition”

Eisner, J.A., Monnier, J.D., Tuthill, P., Lacour, S. 2009, ApJ, 698:L169-L173, “Spatially Resolved Mid-Infrared Imaging of the SR 21 Transition Disk”

Finklestein, S.L., Papovich, C., Rudnick, G., et al. 2009, ApJ, 700, 376, “Turning Back the Clock: Inferring the History of the Eight O’clock Arc”

Foley, R.J., **Matheson, T.**, ..., **Rest, A.**, ..., **Smith, R.C.**, et al. 2009, AJ, 137, 3731, “Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First Four Years”

Garcia-Hernandez, D.A., **Hinkle, K.H.**, Lambert, D.L., Eriksson, K. 2009, ApJ, 696, 1733, “CNO Abundances of HdC and RCB Stars: A View of the Nucleosynthesis in a White Dwarf Merger”

Geballe, T.R., et al. 2009, ApJ, 695, 844, “Spectroscopic Detection of Carbon Monoxide in Two Late-Type T Dwarfs”

- Ghezzi, L., **Cunha, K.**, **Smith, V.V.**, ... **Schuler, S.**, et al. 2009, ApJ, 698, 451, "Measurements of the Isotopic Ratio ${}^6\text{Li}/{}^7\text{Li}$ in Stars with Planets"
- Gomboc, A., et al. 2008, ApJ, 687, 443, "Multiwavelength Analysis of the Intriguing GRB 061126: The Reverse Shock Scenario and Magnetization"
- Grady, C.A., Schneider, G., Sitko, M.L. 2009, ApJ, 699, 1822, "Revealing the Structure of a Pre-transitional Disk: The Case of the Herbig F Star SAO 206462 (HD 135344B)"
- Graham, J.F., et al. 2009, ApJ, 698, 1620, "GRB 070714B – Discovery of the Highest Spectroscopically Confirmed Short Burst Redshift"
- Greiner, J., Clemens, C., Kruhler, T. 2009, A&A, 498, 89, "The Redshift and Afterglow of the Extremely Energetic Gamma-Ray Burst GRB 080916C"
- Greiner, J., Kruhler, T., Fynbo, J.P.U. 2009, ApJ, 693, 1610, "GRB 080913 at Redshift 6.7"
- Hrivnak, B.J., Smith, N., Su, K.Y.L., Sahai, R. 2008, ApJ, 688, 327, "A Study of H₂ Emission in Three Bipolar Proto-Planetary Nebulae: IRAS 16594-4656, HEN 3-401, and Rob 22"
- Indriolo, N., Hobbs, L.M., **Hinkle, K.H.**, McCall, B. J. 2009, ApJ, 703, 252, "Interstellar Metastable Helium Absorption as a Probe of the Cosmic-Ray Ionization Rate"
- Jensen, E.L., Cohen, D.H., Gagné, M. 2009, ApJ, 703, 252, "No Transition Disk? Infrared Excess, PAH, H₂, and X-Rays from the Weak-Lined T Tauri Star DoAr 21"
- Page, K. L., et al. 2009, MNRAS, 395, 328, "The Unusual X-Ray Light Curve of GRB 080307: The Onset of the Afterglow?"
- Perley, D.A., et al. 2008, ApJ, 688, 470, "GRB 071003: Broadband Follow-up Observations of a Very Bright Gamma-Ray Burst in a Galactic Halo"
- Perley, D. A., et al. 2009, ApJ, 696, 1871, "GRB 080503: Implications of a Naked Short Gamma-Ray Burst Dominated by Extended Emission"
- Prochaska, J. X., Hennawi, J. F. 2008, ApJ, 690, 1558, "Quasars Probing Quasars. III. New Clues to Feedback, Quenching, and the Physics of Massive Galaxy Formation"
- Ramos Almeida, C., Levenson, N.A., Rodríguez Espinosa, J.M., et al. 2009, ApJ, 702, 1127, "The Infrared Nuclear Emission of Seyfert Galaxies on Parsec Scales: Testing the Clumpy Torus Models"
- Rossi, A., de Ugarte Postigo, A., Ferrero, P. 2008, A&A, 491, L29, "A Photometric Redshift of $z = 1.8^{+0.4}_{-0.3}$ for the AGILE GRB 0800514B"
- Schaller, E.L., Roe, H.G., Schneider, T., Brown, M.E. 2009, Nature, 460, 873, "Storms in the Tropics of Titan"
- Schuler, S.C., ..., **Smith, V.V.**, Cunha, K., et al. 2008, AJ, 136, 2244, "Carbon Abundances of Three Carbon-Enhanced Metal-Poor Stars from High-Resolution Gemini-S/bHROS Spectra of the λ 8727 [C I] Line"
- Seth, A.C., **Blum, R.D.**, et al. 2008, ApJ, 687, 997, "The Rotating Nuclear Star Cluster in NGC 4244"
- Smith, N., **Hinkle, K.H.**, Ryde, N. 2009, AJ, 173, 3558, "Red Supergiants as Potential Type II_n Supernova Progenitors: Spatially-Resolved 4.6 μ m CO Emission around VY CMa and Betelgeuse"

Stephens, D.C., et al. 2009, ApJ, 702, 154, “The 0.8–14.5 μ m Spectra of Mid-L to Mid-T Dwarfs: Diagnostics of Effective Temperature, Grain Sedimentation, Gas Transport, and Surface Gravity”

van Dokkum, P.G., Kriek, M., Franx, M. 2009, Nature, 460, 717, “A High Stellar Velocity Dispersion for a Compact Massive Galaxy at Redshift $z = 2.186$ ”

Zheng, W., et al. 2009, ApJ, 697, 1907, “Bright Strongly Lensed Galaxies at Redshift $z \sim 6-7$ behind the Clusters Abell 1703 and CL0024+16”

Zhu, Z., ... **Hinkle, K.**, et al. 2009, ApJ, 694, L64, “The Differential Rotation of FU Ori”

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