

GEMINI TELESCOPES (NOAO SYSTEM SCIENCE CENTER)

During FY13 (Oct. 2012–Sept. 2013), 82 publications used data taken at the Gemini telescopes:

Ade, P.A.R., et al. 2013, *A&A*, 550, A130, “Planck Intermediate Results IV. The XMM-Newton Validation Programme for New Planck Galaxy Clusters”

Alexander, D.M., et al. 2013, *ApJ*, 773, 125, “The NuSTAR Extragalactic Survey: A First Sensitive Look at the High-Energy Cosmic X-ray Background Population”

Alves de Oliveira, C., et al. 2013, *A&A*, 549, A123, “Spectroscopy of Brown Dwarf Candidates in IC 348 and the Determination of Its Substellar IMF Down to Planetary Masses”

Barentine, J.C., Lacy, J.H. 2012, *ApJ*, 757, 111, “A Comparative Astrochemical Study of the High-Mass Protostellar Objects NGC 7538 IRS 9 and IRS 1”

Benson, B.A., et al. 2013, *ApJ*, 763, 147, “Cosmological Constraints from Sunyaev-Zel’dovich-Selected Clusters with X-ray Observations in the First 178 deg² of the South Pole Telescope Survey”

Bian, F., ... **Dey, A.**, et al. 2012, *ApJ*, 757, 139, “An Ultraviolet Ultra-luminous Lyman Break Galaxy at $z = 2.78$ in NDWFS Boötes Field”

Brittain, S.D., **Najita, J.R.**, et al. 2013, *ApJ*, 767, 159, “High-Resolution Near-Infrared Spectroscopy of HD 100546. II. Analysis of Variable Rovibrational CO Emission Lines”

Childress, M., et al. 2013, *ApJ*, 770, 107, “Host Galaxies of Type Ia Supernovae from the Nearby Supernova Factory”

Childress, M., et al. 2013, *ApJ*, 770, 108, “Host Galaxy Properties and Hubble Residuals of Type Ia Supernovae from the Nearby Supernova Factory”

Chornock, R., et al. 2013, *ApJ*, 774, 26, “GRB 130606A as a Probe of the Intergalactic Medium and the Interstellar Medium in a Star-Forming Galaxy in the First Gyr after the Big Bang”

Chornock, R., et al. 2013, *ApJ*, 767, 162, “PS1-10afx at $z = 1.388$: Pan-Starrs1 Discovery of a New Type of Superluminous Supernova”

Correia, S., et al. 2013, *A&A*, 557, A63, “Stellar and Circumstellar Properties of Visual Binaries in the Orion Nebula Cluster”

Cucchiara, A., et al. 2013, *ApJ*, 773, 82, “An Independent Measurement of the Incidence of Mg II Absorbers along Gamma-ray Burst Sight Lines: The End of the Mystery?”

De Lorenzi, F., et al. 2013, *MNRAS*, 429, 2974, “Three-Integral Multicomponent Dynamical Models and Simulations of the Nuclear Star Cluster in NGC 4244”

Donaldson, J.K., et al. 2013, *ApJ*, 772, 17, “Modeling the HD 32297 Debris Disk with Far-Infrared Herschel Data”

- Dupree, A.K., Avrett, E.H. 2013, ApJL, 773, L28, “Direct Evaluation of the Helium Abundances in Omega Centauri”
- Elliott, J., et al. 2013, A&A, 556, A23, “The Low-Extinction Afterglow in the Solar-Metallicity Host Galaxy of γ -ray Burst 110918A”
- Faloon, A.J., et al. 2013, ApJ, 768, 104, “The Structure of the Merging RCS 231953+00 Supercluster at $z \sim 0.9$ ”
- Fong, W., et al. 2013, ApJ, 769, 56, “Demographics of the Galaxies Hosting Short-Duration Gamma-ray Bursts”
- Ginski, C., et al. 2013, MNRAS, 434, 671, “Orbital Motion of the Binary Brown Dwarf Companions HD 130948 BC around Their Host Star”
- Gladders, M.D., et al. 2013, ApJ, 764, 177, “SGAS 143845.1+145407: A Big, Cool Starburst at Redshift 0.816”
- González-Martín, O., et al. 2013, A&A, 553, A35, “Mid-infrared T-Recs/Gemini Spectra Using the New RedCan Pipeline”
- Grier, C.J., et al. 2013, ApJ, 773, 90, “Stellar Velocity Dispersion Measurements in High-Luminosity Quasar Hosts and Implications for the AGN Black Hole Mass Scale”
- Hartoog, O.E., et al. 2013, MNRAS, 430, 2739, “The Host-Galaxy Response to the Afterglow of GRB 100901A”
- Hennawi, J.F., Prochaska, J.X. 2013, ApJ, 766, 58, “Quasars Probing Quasars. IV. Joint Constraints on the Circumgalactic Medium from Absorption and Emission”
- Hermes, J.J., et al. 2012, ApJL, 757, L21, “Rapid Orbital Decay in the 12.75-Minute Binary White Dwarf J0651+2844”
- Hinkle, K.H., ... Joyce, R.R.**, et al. 2013, ApJ, 770, 28, “Infrared Spectroscopy of Symbiotic Stars. IX. D-type Symbiotic Novae”
- Howell, S.B., Horch, E.P., **Everett, M.E.**, Ciardi, D.R. 2012, PASP, 124, 1124, “Speckle Camera Imaging of the Planet Pluto”
- Hsiao, E.Y., et al. 2013, ApJ, 766, 72, “The Earliest Near-Infrared Time-Series Spectroscopy of a Type Ia Supernova”
- Hurley, D.J., Callanan, P.J., Elebert, P., Reynolds, M.T. 2013, MNRAS, 430, 1832, “The Mass of the Black Hole in GRS 195+105: New Constraints from Infrared Spectroscopy”
- Indriolo, N., et al. 2012, ApJ, 758, 83, “Chemical Analysis of a Diffuse Cloud along a Line of Sight toward W51: Molecular Fraction and Cosmic-Ray Ionization Rate”

Janson, M., et al. 2013, ApJ, 773, 73, “The Seeds Direct Imaging Survey for Planets and Scattered Dust Emission in Debris Disk Systems”

Janson, M., et al. 2013, ApJ, 773, 170, “A Multiplicity Census of Intermediate-Mass Stars in Scorpius-Centaurus”

Janson, M., et al. 2012, ApJL, 758, L2, “New Brown Dwarf Companions to Young Stars in Scorpius-Centaurus”

Jin, Z., et al. 2013, ApJ, 774, 114, “GRB 081007 and GRB 090424: The Surrounding Medium, Outflows, and Supernovae”

Jonker, P.G., Torres, M.A.P., Steeghs, D., Chakrabarty, D. 2013, MNRAS, 429, 523, “Chandra X-ray and Gemini Near-Infrared Observations of the Eclipsing Millisecond Pulsar SWIFT J1749.4-2807 in Quiescence”

Jørgensen, I., Chiboucas, K. 2013, AJ, 145, 77, “Stellar Populations and Evolution of Early-Type Cluster Galaxies: Constraints from Optical Imaging and Spectroscopy of $z = 0.5-0.9$ Galaxy Clusters”

Khargharia, J., Froning, C.S., Robinson, E.L., Gelino, D.M. 2013, AJ, 145, 21, “The Mass of the Black Hole in XTE J1118+480”

Kraus, S., et al. 2013, ApJ, 768, 80, “Resolving the Gap and AU-scale Asymmetries in the Pre-transitional Disk of V1247 Orionis”

Kruger, A.J., ... **Najita, J.R.**, et al. 2012, ApJ, 760, 88, “Gas and Dust Absorption in the DoAr 24E System”

Kruger, A.J., ... **Najita, J.R.**, et al. 2013, ApJ, 764, 127, “The Curious Case of Glass I: High Ionization and Variability of Different Types”

Kuncarayakti, H., et al. 2013, AJ, 146, 30, “Integral Field Spectroscopy of Supernova Explosion Sites: Constraining the Mass and Metallicity of the Progenitors. I. Type Ib and Ic Supernovae”

Kuncarayakti, H., et al. 2013, AJ, 146, 31, “Integral Field Spectroscopy of Supernova Explosion Sites: Constraining the Mass and Metallicity of the Progenitors. II. Type II-P and II-L Supernovae”

Leggett, S.K., et al. 2013, ApJ, 763, 130, “A Comparison of Near-Infrared Photometry and Spectra for Y Dwarfs with a New Generation of Cool Cloudy Models”

Li, D., Telesco, C.M., Wright, C.M. 2012, ApJ, 759, 81, “The Mineralogy and Structure of the Inner Debris Disk of β Pictoris”

Li, J.-Y., et al. 2013, Icarus, 222, 559, “Photometric Properties of the Nucleus of Comet 103P/Hartley 2”

Lidman, C., et al. 2013, MNRAS, 433, 825, “The Importance of Major Mergers in the Build Up of Stellar Mass in Brightest Cluster Galaxies at $z = 1$ ”

Liskowsky, J.P., ... **Najita, J.R.**, et al. 2012, ApJ, 760, 153, “High-Resolution Near-Infrared Spectroscopy of HD 100546. I. Analysis of Asymmetric Ro-vibrational OH Emission Lines”

Liu, G., et al. 2013, MNRAS, 430, 2327, “Observations of Feedback from Radio-Quiet Quasars–I. Extents and Morphologies of Ionized Gas Nebulae”

Lunnan, R., et al. 2013, ApJ, 771, 97, “PS1-10bjz: A Fast, Hydrogen-Poor Superluminous Supernova in a Metal-Poor Host Galaxy”

MacLeod, C.L., Jones, R., Agol, E., Kochanek, C.S. 2013, ApJ, 773, 35, “Detection of Substructure in the Gravitationally Lensed Quasar MG0414+0534 Using Mid-infrared and Radio VLBI Observations”

Mattila, S., et al. 2013, MNRAS, 431, 2050, “Supernovae and Radio Transients in M82”

Mazzali, P.A., et al. 2013, MNRAS, 432, 2463, “The Very Energetic, Broad-Lined Type Ic Supernova 2010ah (PTF10bzf) in the Context of GRB/SNe”

de Mello, D.F., et al. 2012, MNRAS, 426, 2441, “Star Formation in H I Tails: HCG 92, HCG 100 and Six Interacting Systems”

Menanteau, F., et al. 2013, ApJ, 765, 67, “The Atacama Cosmology Telescope: Physical Properties of Sunyaev-Zel’dovich Effect Clusters on the Celestial Equator”

Miyatake, H., et al. 2013, MNRAS, 429, 3627, “Subaru Weak Lensing Measurement of a $z = 0.81$ Cluster Discovered by the Atacama Cosmology Telescope Survey”

Mok, A., et al. 2013, MNRAS, 431, 1090, “Efficient Satellite Quenching at $z \sim 1$ from the GEEC2 Spectroscopic Survey of Galaxy Groups”

Nicuesa Guelbenzu, A., et al. 2012, A&A, 548, A101, “Multi-color Observations of Short GRB Afterglows: 20 Events Observed between 2007 and 2010”

Noble, A.G., et al. 2013, ApJ, 768, 118, “A Kinematic Approach to Assessing Environmental Effects: Star-Forming Galaxies in a $z \sim 0.9$ SpARCS Cluster Using Spitzer 24 μ m Observations”

Ofek, E.O., et al. 2013, Nature, 494, 65, “An Outburst from a Massive Star 40 Days before a Supernova Explosion”

Perley, D.A., et al. 2012, ApJ, 758, 122, “The Luminous Infrared Host Galaxy of Short-Duration GRB 100206A”

Piatti, A.E. 2013, MNRAS, 430, 2358, “A New Extended Main-Sequence Turnoff Star Cluster in the Large Magellanic Cloud”

Placco, V.M., ... **Beers, T.C.**, et al. 2013, ApJ, 770, 104, “Metal-Poor Stars Observed with the Magellan Telescope. I. Constraints on Progenitor Mass and Metallicity of AGB Stars Undergoing s-process Nucleosynthesis”

Prochaska, J.X., Hennawi, J.F., Simcoe, R.A. 2013, *ApJL*, 762, L19, “A Substantial Mass of Cool, Metal-Enriched Gas Surrounding the Progenitors of Modern-Day Ellipticals”

Rawle, T.D., Lucey, J.R., Smith, R.J., Head, J.T.C.G. 2013, *MNRAS*, 433, 2667, “S0 Galaxies in the Coma Cluster: Environmental Dependence of the S0 Offset from the Tully-Fisher Relation”

Reichardt, C.L., et al. 2013, *ApJ*, 763, 127, “Galaxy Clusters Discovered via the Sunyaev-Zel’dovich Effect in the First 720 Square Degrees of the South Pole Telescope Survey”

Rhode, K.L. 2012, *AJ*, 144, 154, “Exploring the Correlations between Globular Cluster Populations and Supermassive Black Holes in Giant Galaxies”

Riffel, R.A., Storchi-Bermann, T., Winge, C. 2013, *MNRAS*, 430, 2249, “Feeding Versus Feedback in AGNs from Near-Infrared IFU Observations: the Case of Mrk 79”

Rupke, D.S.N., Veilleux, S. 2013, *ApJ*, 768, 75, “The Multiphase Structure and Power Sources of Galactic Winds in Major Mergers”

Schlieder, J.E., Lépine, S., Simon, M. 2012, *AJ*, 144, 109, “Likely Members of the β Pictoris and AB Doradus Moving Groups in the North”

Schulze, S., et al. 2012, *A&A*, 546, A20, “Galaxy Counterparts of Intervening High-z Sub-DLAs/DLAs and Mg II Absorbers Towards Gamma-ray Bursts”

Sifón, C., et al. 2013, *ApJ*, 772, 25, “The Atacama Cosmology Telescope: Dynamical Masses and Scaling Relations for a Sample of Massive Sunyaev-Zel’dovich Effect Selected Galaxy Clusters”

Sinnott, B., et al. 2013, *ApJ*, 767, 45, “Asymmetry in the Outburst of SN 1987A Detected Using Light Echo Spectroscopy”

Smith, N. 2013, *MNRAS*, 429, 2366, “A Model for the 19th Century Eruption of Eta Carinae: CSM Interaction Like a Scaled-Down Type II_c Supernova”

Smith, N., et al. 2013, *MNRAS*, 429, 1324, “The Ring Nebula around the Blue Supergiant SBW1: Pre-explosion Snapshot of an SN 1987A Twin”

Song, J., et al. 2012, *ApJ*, 761, 22, “Redshifts, Sample Purity, and BCG Positions for the Galaxy Cluster Catalog from the First 720 Square Degrees of the South Pole Telescope Survey”

Starling, R.L.C., et al. 2013, *MNRAS*, 431, 3159, “X-ray Absorption Evolution in Gamma-ray Bursts: Intergalactic Medium or Evolutionary Signature of Their Host Galaxies”

Tanvir, N.R., et al. 2013, *Nature*, 500, 547, “A ‘Kilonova’ Associated with the Short-Duration γ -ray Burst GRB 130603B”

Tobin, J.J., et al. 2013, *ApJ*, 771, 48, “Modeling the Resolved Disk around the Class 0 Protostar L1527”

van der Burg, R.F.J., et al. 2013, *A&A*, 557, A15, “The Environmental Dependence of the Stellar Mass Function at $z \sim 1$. Comparing Cluster and Field between the GCLASS and UltraVISTA Surveys”

Wang, Z., et al. 2013, ApJ, 765, 151, “Multiband Studies of the Optical Periodic Modulation in the X-ray Binary SAX J1808.4-3658 during Its Quiescence and 2008 Outburst”

Zauderer, B.A., et al. 2013, ApJ, 767, 161, “Illuminating the Darkest Gamma-ray Bursts with Radio Observations”