

GEMINI TELESCOPES (NOAO SYSTEM SCIENCE CENTER)

During FY14 (Oct. 2013–Sept. 2014), 99 publications used data taken at the Gemini telescopes:

Bailey, V., et al. 2014, *ApJL*, 780, L4, “HD 106906 b: A Planetary-Mass Companion outside a Massive Debris Disk”

Balogh, M.L., et al. 2014, *MNRAS*, 443, 2679, “The GEEC2 Spectroscopic Survey of Galaxy Groups at  $0.8 < z < 1$ ”

Bassett, R., et al. 2014, *MNRAS*, 442, 3206, “DYNAMO—II. Coupled Stellar and Ionized-Gas Kinematics in Two Low-Redshift Clumpy Discs”

Bayliss, M.B., et al. 2014, *ApJ*, 783, 41, “Line-of-Sight Structure toward Strong Lensing Galaxy Clusters”

Bayliss, M.B., et al. 2014, *ApJ*, 790, 144, “The Physical Conditions, Metallicity and Metal Abundance Ratios in a Highly Magnified Galaxy at  $z = 3.6252$ ”

Berg, D.A., et al. 2013, *ApJ*, 775, 128, “New Radial Abundance Gradients for NGC 628 and NGC 2403”

Berthier, J., et al. 2014, *Icar*, 239, 118, “Physical and Dynamical Properties of the Main Belt Triple Asteroid (87) Sylvia”

Biller, B.A., et al. 2013, *ApJ*, 777, 160, “The Gemini/NICI Planet-Finding Campaign: The Frequency of Planets around Young Moving Group Stars”

Blair, W.P., et al. 2014, *ApJ*, 788, 55, “An Expanded HST/WFC3 Survey of M83: Project Overview and Targeted Supernova Remnant Search”

Boccaletti, A., et al. 2013, *A&A*, 560, A20, “Multiple Spiral Patterns in the Transitional Disk of HD 100546”

Bochanski, J.J., et al. 2014, *AJ*, 147, 76, “Hunting the Most Distant Stars in the Milky Way: Methods and Initial Results”

Bussmann, R.S., et al. 2013, *ApJ*, 779, 25, “Gravitational Lens Models Based on Submillimeter Array Imaging of Herschel-Selected Strongly Lensed Sub-millimeter Galaxies at  $z > 1.5$ ”

Caballero-Nieves, S.M., et al. 2014, *AJ*, 147, 40, “A High Angular Resolution Survey of Massive Stars in Cygnus OB2: Results from the Hubble Space Telescope Fine Guidance Sensors”

Chesneau, O., et al. 2014, *A&A*, 563, A71, “The Yellow Hypergiant HR 5171 A: Resolving a Massive Interacting Binary in the Common Envelope Phase”

Chornock, R., et al. 2014, *ApJ*, 780, 44, “The Ultraviolet-Bright, Slowly Declining Transient PS1-11af as a Partial Tidal Disruption Event”

Couto, G.S., et al. 2013, MNRAS, 435, 2982, “Kinematics and Excitation of the Nuclear Spiral in the Active Galaxy Arp 102B”

Cucchiara, A., et al. 2013, ApJ, 777, 94, “Gemini Spectroscopy of the Short-Hard Gamma-ray Burst GRB 130603B Afterglow and Host Galaxy”

Currie, T., et al. 2013, ApJ, 776, 15, “A Combined Very Large Telescope and Gemini Study of the Atmosphere of the Directly Imaged Planet,  $\beta$  Pictoris b”

De Rosa, R.J., et al. 2014, MNRAS, 437, 1216, “The VAST Survey—III. The Multiplicity of A-Type Stars within 75 pc”

de Ugarte Postigo, A., et al. 2014, A&A, 563, A62, “Spectroscopy of the Short-Hard GRB 130603B: The Host Galaxy and Environment of a Compact Object Merger”

Dupree, A.K., et al. 2014, ApJ, 789, 27, “Structure and Dynamics of the Accretion Process and Wind in TW Hya”

Esquej, P., et al. 2014, ApJ, 780, 86, “Nuclear Star Formation Activity and Black Hole Accretion in Nearby Seyfert Galaxies”

Fletcher, L.N., et al. 2014, Icar, 231, 146, “Neptune at Summer Solstice: Zonal Mean Temperatures from Ground-Based Observations, 2003–2007”

Fong, W., Berger, E. 2013, ApJ, 776, 18, “The Locations of Short Gamma-ray Bursts as Evidence for Compact Object Binary Progenitors”

Fong, W., et al. 2014, ApJ, 780, 118, “Short GRB 130603B: Discovery of a Jet Break in the Optical and Radio Afterglows, and a Mysterious Late-Time X-ray Excess”

Fraser, M., et al. 2014, MNRASL, 439, L56, “On the Progenitor of the Type IIP SN 2013ej in M74”

Gizis, J.E., et al. 2013, ApJ, 779, 172, “Kepler Monitoring of an L Dwarf I. The Photometric Period and White Light Flares”

Graham, M.L., et al. 2014, ApJ, 787, 163, “Clues to the Nature of SN 2009ip from Photometric and Spectroscopic Evolution to Late Times”

Graur, O., ... **Dickinson, M.E.**, ... **Matheson, T.**, et al. 2014, ApJ, 783, 28, “Type-Ia Supernova Rates to Redshift 2.4 from CLASH: The Cluster Lensing and Supernova Survey with Hubble”

Greene, J.E., et al. 2014, ApJ, 788, 91, “Near-Infrared Spectra and Intrinsic Luminosities of Candidate Type II Quasars at  $2 < z < 3.4$ ”

Guennou, L., et al. 2014, A&A, 561, A112, “Structure and Substructure Analysis of DAFT/FADA Galaxy Clusters in the [0.4-0.9] Redshift Range”

Guidorzi, C., et al. 2014, MNRAS, 438, 752, “New Constraints on Gamma-ray Burst Jet Geometry and Relativistic Shock Physics”

- Hainline, K.N., et al. 2014, ApJ, 787, 65, “Gemini Long-Slit Observations of Luminous Obscured Quasars: Further Evidence for an Upper Limit on the Size of the Narrow-Line Region”
- Herrero-Illana, R., et al. 2014, ApJ, 786, 156, “A Multi-wavelength View of the Central Kiloparsec Region in the Luminous Infrared Galaxy NGC 1614”
- Hinkle, K.H., Joyce, R.R.** 2014, ApJ, 785, 146, “The Spatially Resolved Bipolar Nebula of Sakurai’s Object”
- Howell, D.A., et al. 2013, ApJ, 779, 98, “Two Superluminous Supernovae from the Early Universe Discovered by the Supernova Legacy Survey”
- Hwang, N., et al. 2014, ApJ, 783, 49, “Spectroscopic Study of Extended Star Clusters in Dwarf Galaxy NGC 6822”
- Jao, W., et al. 2014, AJ, 147, 21, “The Solar Neighborhood. XXXI. Discovery of an Unusual Red+White Dwarf Binary at ~25 pc via Astrometry and UV Imaging”
- Jönsson, H., ... **Smith, V.V.**, et al. 2014, A&A, 564, A122, “Chemical Evolution of Fluorine in the Bulge: High-Resolution K-Band Spectra of Giants in Three Fields”
- Kane, S.R., ... **Everett, M.E.**, et al. 2014, ApJ, 785, 93, “Limits on Stellar Companions to Exoplanet Host Stars with Eccentric Planets”
- Kaplan, D.L., et al. 2014, ApJ, 780, 167, “Properties of an Eclipsing Double White Dwarf Binary NLTT 11748”
- Kartha, S.S., et al. 2014, MNRAS, 437, 273, “The SLUGGS Survey: The Globular Cluster Systems of Three Early-Type Galaxies Using Wide-Field Imaging”
- Lacy, M., **Ridgway, S.E.**, et al. 2013, ApJS, 208, 24, “The Spitzer Mid-infrared Active Galactic Nucleus Survey. I. Optical and Near-Infrared Spectroscopy of Obscured Candidates and Normal Active Galactic Nuclei Selected in the Mid-infrared”
- Laskar, T., et al. 2014, ApJ, 781, 1, “GRB 120521C at  $z \sim 6$  and the Properties of High-Redshift  $\gamma$ -ray Bursts”
- Levan, A.J., et al. 2014, ApJ, 781, 13, “A New Population of Ultra-long Duration Gamma-ray Bursts”
- Levitan, D., et al. 2014, ApJ, 785, 114, “PTF1 J191905.19+481506.2—A Partially Eclipsing AM CVn System Discovered in the Palomar Transient Factory”
- Liu, G., Zakamska, N.L., Greene, J.E. 2014, MNRAS, 442, 1303, “Similarity of Ionized Gas Nebulae around Unobscured and Obscured Quasars”
- Liu, G., et al. 2013, MNRAS, 436, 2576, “Observations of Feedback from Radio-Quiet Quasars—II. Kinematics of Ionized Gas Nebulae”

Liu, J.-F., et al. 2013, *Natur*, 503, 500, “Puzzling Accretion onto a Black Hole in the Ultraluminous X-ray Source M 101 ULX-1”

Maksym, W.P., et al. 2014, *MNRAS*, 444, 866, “Deep Spectroscopy of the  $M_V \sim -14.8$  Host Galaxy of a Tidal Disruption Flare in A1795”

Males, J.R., et al. 2014, *ApJ*, 786, 32, “Magellan Adaptive Optics First-Light Observations of the Exoplanet  $\beta$  PIC b. I. Direct Imaging in the Far-Red Optical with MagAO+VisAO and in the Near-IR with NICI”

Matrozis, E., Ryde, N., Dupree, A.K. 2013, *A&A*, 559, A115, “Galactic Chemical Evolution of Sulphur: Sulphur Abundances from the  $[S\text{I}] \lambda 1082$  nm Line in Giants”

Maund, J.R., Mattila, S., Ramirez-Ruiz, E., Eldridge, J.J. 2014, *MNRAS*, 438, 1577, “A New Precise Mass for the Progenitor of the Type IIP SN 2008bk”

Mazoyer, J., et al. 2014, *A&A*, 569, A29, “Is the HD 15115 Inner Disk Really Asymmetrical?”

Melis, C., et al. 2013, *ApJ*, 778, 12, “Copious Amounts of Hot and Cold Dust Orbiting the Main Sequence A-Type Stars HD 131488 and HD 121191”

Menezes, R.B., Steiner, J.E., Ricci, T.V. 2014, *MNRAS*, 438, 2597, “A Treatment Procedure for Gemini North/NIFS Data Cubes: Application to NGC 4151”

Meshkat, T., et al. 2013, *ApJL*, 775, L40, “Further Evidence of the Planetary Nature of HD 95086 b from Gemini/NICI H-Band Data”

Messias, H., et al. 2014, *A&A*, 568, A92, “Herschel-ATLAS and ALMA: HATLAS J142935.3-002836, a Lensed Major Merger at Redshift 1.027”

Modjaz, M., ... **Matheson, T.**, et al. 2014, *AJ*, 147, 99, “Optical Spectra of 73 Stripped-Envelope Core-Collapse Supernovae”

Mok, A., et al. 2014, *MNRAS*, 438, 3070, “Star Formation and Environmental Quenching of GEEC2 Group Galaxy at  $z \sim 1$ ”

Moran, P., et al. 2013, *MNRAS*, 436, 401, “Optical Observations of PSR J0205+6449—the Next Optical Pulsar?”

Müller, C., et al. 2014, *A&A*, 562, A4, “The Unusual Multiwavelength Properties of the Gamma-ray Source PMN J1603–4904”

Naud, M.-E., et al. 2014, *ApJ*, 787, 5, “Discovery of a Wide Planetary-Mass Companion to the Young M3 Star GU PSC”

Nielsen, E.L., et al. 2013, *ApJ*, 776, 4, “The Gemini NICI Planet-Finding Campaign: The Frequency of Giant Planets around Young B and A Stars”

Ofek, E.O., et al. 2014, ApJ, 789, 104, “Precursors Prior to Type II<sub>n</sub> Supernova Explosions Are Common: Precursor Rates, Properties, and Correlations”

Onken, C.A., et al. 2014, ApJ, 791, 37, “The Black Hole Mass of NGC 4151. II. Stellar Dynamical Measurement from Near-Infrared Integral Field Spectroscopy”

Pagnotta, A., Walker, E.S., Schaefer, B.E. 2014, ApJ, 788, 173, “The Diffuse Source at the Center of LMC SNR 0509-67.5 Is a Background Galaxy at  $z = 0.031$ ”

Pan, Y.-C., et al. 2014, MNRAS, 438, 1391, “The Host Galaxies of Type Ia Supernovae Discovered by the Palomar Transient Factory”

Patel, B., ... **Matheson, T.**, et al. 2014, ApJ, 786, 9, “Three Gravitationally Lensed Supernovae behind Clash Galaxy Clusters”

Perley, D.A., et al. 2014, ApJ, 781, 37, “The Afterglow of GRB 130427A from 1 to  $10^{16}$  GHz”

Perley, D.A., et al. 2013, ApJ, 778, 128, “A Population of Massive, Luminous Galaxies Hosting Heavily Dust-Obscured Gamma-ray Bursts: Implications for the Use of GRBs as Tracers of Cosmic Star Formation”

Prieto, J.L., ... **Matheson, T.**, ... **Smith, R.C.**, et al. 2014, ApJL, 787, L8, “Light Echoes from  $\eta$  Carinae’s Great Eruption: Spectrophotometric Evolution and the Rapid Formation of Nitrogen-Rich Molecules”

Prochaska, J.X., et al. 2013, ApJ, 776, 136, “Quasars Probing Quasars. VI. Excess H I Absorption within One Proper Mpc of  $z \sim 2$  Quasars”

Quintana, E.V., ... **Everett, M.E.**, et al. 2014, Sci, 344, 277, “An Earth-Sized Planet in the Habitable Zone of a Cool Star”

Rabinowitz, D.L., Benecchi, S.D., Grundy, W.M., Verbiscer, A.J. 2014, Icar, 236, 72, “The Rotational Light Curve of (79360) Sila-Nunam, an Eclipsing Binary in the Kuiper Belt”

Ramos Almeida, C., et al. 2014, MNRAS, 439, 3859, “Investigating the Sensitivity of Observed Spectral Energy Distributions to Clumpy Torus Properties in Seyfert Galaxies”

Rhoads, J.E., et al. 2014, ApJ, 780, 20, “The Dynamical Masses, Densities, and Star Formation Scaling Relations of Ly $\alpha$  Galaxies”

Rodney, S.A., ... **Dickinson, M.E.**, ... **Matheson, T.**, et al. 2014, AJ, 148, 13, “Type Ia Supernova Rate Measurements to Redshift 2.5 from CandelS: Searching for Prompt Explosions in the Early Universe”

Schulze, S., et al. 2014, A&A, 566, A102, “GRB 120422A/SN 2012bz: Bridging the Gap between Low- and High-Luminosity Gamma-ray Bursts”

Secrest, N.J., et al. 2013, ApJ, 777, 139, “A Multi-wavelength Analysis of NGC 4178: A Bulgeless Galaxy with an Active Galactic Nucleus”

Seth, A.C., et al. 2014, *Natur*, 513, 7518, “A Supermassive Black Hole in an Ultra-compact Dwarf Galaxy”

Sifón, C., et al. 2014, *A&A*, 562, A43, “Strong Lensing Analysis of PLCK G004.5-19.5, a Planck-Discovered Cluster Hosting a Radio Relic at  $z = 0.52$ ”

Sonnenfeld, A., et al. 2013, *ApJ*, 777, 98, “The SL2S Galaxy-Scale Lens Sample. IV. The Dependence of the Total Mass Density Profile of Early-Type Galaxies of Redshift, Stellar Mass, and Size”

Sparre, M., et al. 2014, *ApJ*, 785, 150, “The Metallicity and Dust Content of a Redshift 5 Gamma-ray Burst Host Galaxy”

Stanford, S.A., et al. 2014, *ApJS*, 213, 25, “The Massive and Distant Clusters of WISE Survey. II. Initial Spectroscopic Confirmation of  $z \sim 1$  Galaxy Clusters Selected from 10,000 deg<sup>2</sup>”

**Stanghellini, L.**, Magrini, L., Casasola, V., Villaver, E. 2014, *A&A*, 567, A88, “The Radial Metallicity Gradient and the History of Elemental Enrichment in M 81 through Emission-Line Probes”

Steele, M.M., et al. 2014, *ApJ*, 785, 147, “Composition of an Emission Line System in Black Hole Host Globular Cluster RZ2109”

Stevenson, K.B., ... **Bergmann, M.**, et al. 2014, *AJ*, 147, 161, “Transmission Spectroscopy of the Hot Jupiter Wasp-12b from 0.7 to 5  $\mu\text{m}$ ”

Thalmann, C., et al. 2014, *A&A*, 566, A51, “The Architecture of the LkCa 15 Transitional Disk Revealed by High-Contrast Imaging”

Todorov, K.O., et al. 2014, *ApJ*, 788, 40, “A Search for Companions to Brown Dwarfs in the Taurus and Chamaeleon Star-Forming Regions”

Tsai, C., et al. 2013, *ApJ*, 779, 41, “WISE J233237.05-505643.5: A Doubled-Peaked, Broad-Lined Active Galactic Nucleus with a Spiral-Shaped Radio Morphology”

Tunnicliffe, R.L., et al. 2014, *MNRAS*, 437, 1495, “On the Nature of the ‘Hostless’ Short GRBs”

van der Burg, R.F.J., et al. 2014, *A&A*, 561, A79, “A Census of Stellar Mass in Ten Massive Haloes at  $z \sim 1$  from the GCLASS Survey”

Virgili, F.J., et al. 2013, *ApJ*, 778, 54, “GRB 091024A and the Nature of Ultra-long Gamma-ray Bursts”

Volnova, A.A., et al. 2014, *MNRAS*, 442, 2586, “GRB 051008: A Long, Spectrally Hard Dust-Obscured GRB in a Lyman-Break Galaxy at  $z \approx 2.8$ ”

Wahhaj, Z., et al. 2013, *ApJ*, 779, 80, “The Gemini NICI Planet-Finding Campaign: The Companion Detection Pipeline”

Wahhaj, Z., et al. 2014, *A&A*, 567, A34, “The Gemini NICI Planet-Finding Campaign: The Offset Ring of HR 4796 A”

Westmoquette, M.S., et al. 2014, ApJ, 789, 94, “An Optical-Near-IR Study of a Triplet of Super Star Clusters in the Starburst Core of M82”

Weyant, A., ... **Allen, L.**, ... **Joyce, R.**, **Matheson, T.** 2014, ApJ, 784, 105, “Sweetspot: Near-Infrared Observations of 13 Type Ia Supernovae from a New NOAO Survey Probing the Nearby Smooth Hubble Flow”

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