

GEMINI TELESCOPES (NOAO SYSTEM SCIENCE CENTER)

During FY 15 (Oct. 2014–Sept. 2015), 100 publications used data taken at the Gemini telescopes:

Arabsalmani, M., et al. 2015, MNRAS, 446, 990, “On the Mass-Metallicity Relation, Velocity Dispersion, and Gravitational Well Depth of GRB Host Galaxies”

Bally, J., Ginsburg, A., Silvia, D., Youngblood, A. 2015, A&A, 579, A130, “The Orion Fingers: Near-IR Adaptive Optics Imaging of an Explosive Protostellar Outflow”

Beauvalet, L., Marchis, F. 2014, Icar, 241, 13, “Multiple Asteroid Systems (45) Eugenia and (87) Sylvia: Sensitivity to External and Internal Perturbations”

Billier, B.A., et al. 2015, MNRAS, 450, 4446, “The Gemini NICI Planet-Finding Campaign: Asymmetries in the HD 141569 Disc”

Blair, W.P., et al. 2015, ApJ, 800, 118, “A Newly Recognized Very Young Supernova Remnant in M83”

Bleem, L.E., et al. 2015, ApJS, 216, 27, “Galaxy Clusters Discovered via the Sunyaev-Zel’dovich Effect in the 2500-Square-Degree SPT-SZ Survey”

Bocquet, S., et al. 2015, ApJ, 799, 214, “Mass Calibration and Cosmological Analysis of the SPT-SZ Galaxy Cluster Sample Using Velocity Dispersion σ_v and X-ray Y_x Measurements”

Bowler, B.P., et al. 2015, ApJ, 806, 62, “Planets around Low-Mass Stars (Palms). V. Age-Dating Low-Mass Companions to Members and Interlopers of Young Moving Groups”

Brandt, T.D., et al. 2014, ApJ, 794, 159, “A Statistical Analysis of Seeds and Other High-Contrast Exoplanet Surveys: Massive Planets or Low-Mass Brown Dwarfs?”

Breedt, E., et al. 2014, MNRAS, 443, 3174, “1000 Cataclysmic Variables from the Catalina Real-Time Transient Survey”

Brodwin, M., et al. 2015, ApJ, 806, 26, “The Massive and Distant Clusters of WISE Survey. III. Sunyaev-Zel’dovich Masses of Galaxy Clusters at $z \sim 1$ ”

Casey, A.R., Schlafman, K.C. 2015, ApJ, 809, 110, “Chemistry of the Most Metal-Poor Stars in the Bulge and the $z \gtrsim 10$ Universe”

Cauley, P.W., Johns-Krull, C.M. 2014, ApJ, 797, 112, “Diagnosing Mass Flows around Herbig Ae/Be Stars Using the HE I λ 10830 Line”

Chiang, P., et al. 2015, MNRAS, 448, 522, “Searching for T Dwarfs in the ρ Oph Dark Cloud L 1688”

Collinson, J.S., et al. 2015, MNRAS, 449, 2174, “Reaching the Peak of the Quasar Spectral Energy Distribution—I. Observations and Models”

Contini, M. 2014, *A&A*, 572, A65, “Activity and Quiescence in Galaxies at Redshifts $1.4 < z < 3.5$. The Role of the Starburst Temperature”

Cooke, E.A., et al. 2015, *MNRAS*, 452, 2318, “The Formation History of Massive Cluster Galaxies as Revealed by CARLA”

Crighton, N.H.M., et al. 2015, *MNRAS*, 452, 217, “The Neutral Hydrogen Cosmological Mass Density at $z = 5$ ”

Cucchiara, A., et al. 2015, *ApJ*, 804, 51, “Unveiling the Secrets of Metallicity and Massive Star Formation Using DLAs along Gamma-ray Bursts”

Davidson, K., et al. 2015, *ApJL*, 801, L15, “Eta Carinae’s 2014.6 Spectroscopic Event: The Extraordinary He II and N II Features”

De Jaeger, T., et al. 2015, *ApJ*, 807, 63, “SN 2011A: A Low-Luminosity Interacting Transient with a Double Plateau and Strong Sodium Absorption”

de Kleer, K., de Pater, I., Davies, A.G., Ádámkóvics, M. 2014, *Icar*, 242, 352, “Near-Infrared Monitoring of Io and Detection of a Violent Outburst on 29 August 2013”

De Marco, O., et al. 2015, *MNRAS*, 448, 3587, “Identifying Close Binary Central Stars of PN with Kepler”

de Pater, I., Davies, A.G., Ádámkóvics, M., Ciardi, D.R. 2014, *Icar*, 242, 365, “Two New, Rare, High-Effusion Outburst Eruptions at Rarog and Heno Paterae on Io”

de Pater, I., et al. 2014, *Icar*, 242, 379, “Global Near-IR Maps from Gemini-N and Keck in 2010, with a Special Focus on Janus Patera and Kanehekili Fluctus”

De Rosa, R.J., et al. 2014, *MNRAS*, 445, 3694, “The VAST Survey—IV. A Wide Brown Dwarf Companion to the A3V Delphini”

DeMeo, F.E., et al. 2015, 246, 213, “Spectral Variability of Charon’s 2.21- μm Feature”

Den Brok, M., et al. 2015, *ApJ*, 809, 101, “Measuring the Mass of the Central Black Hole in the Bulgeless Galaxy NGC 4395 from Gas Dynamical Modeling”

Do, T., et al. 2015, *ApJ*, 809, 143, “Discovery of Low-Metallicity Stars in the Central Parsec of the Milky Way”

Dong, H., et al. 2015, *MNRAS*, 446, 842, “Origins of Massive Field Stars in the Galactic Centre: A Spectroscopic Study”

Drout, M.R., ... **Narayan, G.**, et al. 2014, *ApJ*, 794, 23, “Rapidly Evolving and Luminous Transients from Pan-STARRS1”

Everett, M.E., ... **Silva, D.R.** 2015, *AJ*, 149, 55, “High-Resolution Multi-band Imaging for Validation and Characterization of Small Kepler Planets”

Fekel, F.C., **Hinkle, K.H., Joyce, R.R.**, Wood, P.R. 2015, AJ, 150, 48, “Infrared Spectroscopy of Symbiotic Stars. X. Orbits for Three S-Type Systems: V1044 Centauri, Hen 3–1213, and SS 73–96”

Fischer, T.C., et al. 2015, ApJ, 799, 234, “A Minor Merger Caught in the Act of Fueling the Active Galactic Nucleus in Mrk 509”

Gałań, C., Mikołajewska, J., **Hinkle, K.** 2015, MNRAS, 447, 492, “Chemical Abundance Analysis of Symbiotic Giants—II. AE Ara, BX Mon, KX TrA, and CL Sco”

Garcia-Bernete, I., et al. 2015, MNRAS, 449, 1309, “The Nuclear and Extended Infrared Emission of the Seyfert Galaxy NGC 2992 and the Interacting System Arp 245”

Gezari, S., et al. 2015, ApJ, 804, 28, “GALEX Detection of Shock Breakout in the Type IIP Supernova PS1-13arp: Implications for the Progenitor Star Wind”

Gizis, J.E., et al. 2015, ApJ, 799, 203, “WISEP J004701.06+680352.1: An Intermediate Surface Gravity, Dusty Brown Dwarf in the AB DOR Moving Group”

González-Martín, O., et al. 2015, A&A, 578, A74, “Nuclear Obscuration in LINERs. Clues from Spitzer/IRS Spectra on the Compton Thickness and the Existence of the Dusty Torus”

Greiner, J., et al. 2015, Natur, 523, 189, “A Very Luminous Magnetar-Powered Supernova Associated with an Ultra-long γ -ray Burst”

Grundy, W.M., et al. 2015, Icar, 257, 130, “The Mutual Orbit, Mass, and Density of the Large Transneptunian Binary System Varda and Ilmarë”

Guérou, A., et al. 2015, ApJ, 804, 70, “The Next Generation Virgo Cluster Survey. XII. Stellar Populations and Kinematics of Compact, Low-Mass Early-Type Galaxies from Gemini GMOS-IFU Spectroscopy”

Hennawi, J.F., Prochaska, J.X., Cantalupo, S., Arrigoni-Battaia, F. 2015, Science, 348, 6236, “Quasar Quartet Embedded in Giant Nebula Reveals Rare Massive Structure in Distant Universe”

Hoffmann, S.L., Macri, L.M. 2015, AJ, 149, 183, “Cepheid Variables in the Master-Host Galaxy NGC 4258”

Horch, E.P., Howell, S.B., **Everett, M.E.**, Ciardi, D.R. 2014, ApJ, 795, 60, “Most Sub-arcsecond Companions of Kepler Exoplanet Candidate Host Stars are Gravitationally Bound”

Horch, E.P., ... **Everett, M.E.**, et al. 2015, AJ 149, 151, “Observations of Binary Stars with the Differential Speckle Survey Instrument. V. Toward an Empirical Metal-Poor Mass-Luminosity Relation”

Hrivnak, B.J., et al. 2015, ApJ, 805, 78, “Variability in Proto-planetary Nebulae. III. Light Curve Studies of Magellanic Cloud Carbon-Rich Objects”

Hsiao, E.Y., et al. A&A, 2015, 578, A9, “Strong Near-Infrared Carbon in the Type Ia Supernova iPTF13ebh”

Hung, L.-W., et al. 2015, ApJ, 802, 138, “Discovery of Resolved Debris Disk around HD 131835”

Ichikawa, K., et al. 2015, ApJ, 803, 57, “The Differences in the Torus Geometry between Hidden and Non-hidden Broad Line Active Galactic Nuclei”

Janson, M., et al. 2014, ApJS, 214, 17, “Orbital Monitoring of the AstraLux Large M-Dwarf Multiplicity Sample”

Jørgensen, I., ... **Bergmann, M.**, et al. 2014, AJ, 148, 117, “RX J0848.6+4453: The Evolution of Galaxy Sizes and Stellar Populations in a $z = 1.27$ Cluster”

Kilic, M., Hermes, J.J., Gianninas, A., Brown, W.R. 2015, MNRAS, 446, L26, “PSR J1738+0333: The First Millisecond Pulsar + Pulsating White Dwarf Binary”

Leggett, S.K., Morley, C.V., Marley, M.S., Saumon, D. 2015, ApJ, 799, 37, “Near-Infrared Photometry of Y Dwarfs: Low Ammonia Abundance and the Onset of Water Clouds”

Leloudas, G., et al. 2015, MNRAS, 449, 917, “Spectroscopy of Superluminous Supernova Host Galaxies. A Preference of Hydrogen-Poor Events for Extreme Emission Line Galaxies”

Li, B., et al. 2015, ApJ, 806, 133, “A Gemini/GMOS Study of Intermediate Luminosity Early-Type Virgo Cluster Galaxies. I. Globular Cluster and Stellar Kinematics”

Li, D., Mariñas, N., Telesco, C.M. 2014, ApJ, 796, 74, “The Immediate Environments of Two Herbig be Stars: MWC 1080 and HD 259431”

Loebman, S.R., et al. 2015, AJ, 149, 17, “The Continued Optical to Mid-infrared Evolution of V838 Monocerotis”

Maguire, K., et al. 2014, MNRAS, 444, 3258, “Exploring the Spectral Diversity of Low-Redshift Type Ia Supernovae Using the Palomar Transient Factory”

Mason, R.E., et al. 2015, ApJS, 217, 13, “The Nuclear Near-Infrared Spectral Properties of Nearby Galaxies”

Millar-Blanchaer, M.A., et al. 2015, ApJ, 811, 18, “ β Pictoris’ Inner Disk in Polarized Light and New Orbital Parameters for β Pictoris b”

Muzzin, A., et al. 2014, ApJ, 796, 65, “The Phase Space and Stellar Populations of Cluster Galaxies at $z \sim 1$: Simultaneous Constraints on the Location and Timescale of Satellite Quenching”

Nielsen, E.L., et al. 2014, ApJ, 794, 158, “The Gemini NICI Planet-Finding Campaign: The Orbit of the Young Exoplanet β Pictoris b”

Ohyama, Y., Terashima, Y., Sakamoto, K. 2015 ApJ, 2015, 805, 162, “Infrared and X-ray Evidence of an AGN in the NGC 3256 Southern Nucleus”

Olling, R.P., et al. 2015, Natur, 521, 332, “No Signature of Ejecta Interaction with a Stellar Companion in Three Type Ia Supernovae”

- Pagnotta, A., Schaefer, B.E. 2015, *ApJ*, 799, 101, “Investigation of the Progenitors of the Type Ia Supernovae Associated with the LMC Supernova Remnants 0505–67.9 and 0509–68.7”
- Pan, Y.-C., et al. 2015, *MNRAS*, 446, 354, “Type Ia Supernova Spectral Features in the Context of Their Host Galaxy Properties”
- Pinfield, D.J., et al. 2014, *MNRAS*, 444, 1931, “Discovery of a New Y Dwarf: WISE J030449.03–270508.3”
- Pota, V., et al. 2015, *MNRAS*, 450, 1962, “A SLUGGS and Gemini/GMOS Combined Study of the Elliptical Galaxy M60: Wide-Field Photometry and Kinematics of the Globular Cluster System”
- Reiter, M., et al. 2015, *MNRAS*, 448, 3429, “Disentangling the Outflow and Protostars in HH 900 in the Carina Nebula”
- Rest, A., et al. 2014, *ApJ*, 795, 44, “Cosmological Constraints from Measurements of Type Ia Supernovae Discovered during the First 1.5 yr of the Pan-STARRS1 Survey”
- Ricci, T.V., Steiner, J.E., Giansante, L. 2015, *A&A*, 576, A58, “A Hot Bubble at the Centre of M81”
- Riffel, R., et al. 2015, *MNRAS*, 450, 3069, “The Stellar Spectral Features of Nearby Galaxies in the Near Infrared: Tracers of Thermally Pulsing Asymptotic Giant Branch Stars?”
- Riffel, R.A., et al. 2015, *MNRAS*, 446, 2823, “Differences between CO- and Calcium Triplet-Derived Velocity Dispersions in Spiral Galaxies: Evidence for Central Star Formation?”
- Romani, R.W., Filippenko, A.V., Cenko, S.B. 2015, *ApJ*, 804, 115, “A Spectroscopic Study of the Extreme Black Widow PSR J1311–3430”
- Rubin, K.H.R., et al. 2015, *ApJ*, 808, 38, “Dissecting the Gaseous Halos of $z \sim 2$ Damped Ly α Systems with Close Quasar Pairs”
- Ruel, J., et al. 2014, *ApJ*, 792, 45, “Optical Spectroscopy and Velocity Dispersions of Galaxy Clusters from the SPT-SZ Survey”
- Rupke, D.S.N., Veilleux, S. 2015, *ApJ*, 801, 126, Spatially Extended NA I D Resonant Emission and Absorption in the Galactic Wind of the nearby Infrared-Luminous Quasar F05189–2524”
- Saliwanchik, B.R., et al. 2015, *ApJ*, 799, 137, “Measurement of Galaxy Cluster Integrated Comptonization and Mass Scaling Relations with the South Pole Telescope”
- Salyk, C.**, et al. 2015, *ApJL*, 810, L24, “Detection of Water Vapor in the Terrestrial Planet Forming Region of a Transition Disk”
- Sanders, N.E., et al. 2015, *ApJ*, 799, 208, “Toward Characterization of the Type IIP Supernova Progenitor Population: A Statistical Sample of Light Curves from Pan-STARRS1”
- Schlaufman, K.C., Casey, A.R. 2014, *ApJ*, 797, 13, “The Best and Brightest Metal-Poor Stars”

Scolnic, D., et al. 2014, *ApJ*, 795, 45, “Systematic Uncertainties Associated with the Cosmological Analysis of the First Pan-STARRS1 Type Ia Supernova Sample”

Singer, L.P., et al. 2015, *ApJ*, 806, 52, “The Needle in the 100 deg² Haystack: Uncovering Afterglows of Fermi GRBs with the Palomar Transient Factory”

Slater, C.T., et al. 2015, *ApJ*, 806, 230, “A Deep Study of the Dwarf Satellites Andromeda XXVIII and Andromeda XXIX”

Smith, N., et al. 2015, *MNRAS*, 449, 1876, “PTF11iqb: Cool Supergiant Mass-Loss that Bridges the Gap between Type IIn and Normal Supernovae”

Sromovsky, L.A., et al. 2015, *Icar*, 258, 192, “High S/N Keck and Gemini AO Imaging of Uranus during 2012–2014: New Cloud Patterns, Increasing Activity, and Improved Wind Measurements”

Støstad, M., et al. 2015, *ApJ*, 808, 106, “Mapping the Outer Edge of the Young Stellar Cluster in the Galactic Center”

Strader, J., Dupree, A.K., Smith, G.H. 2015, *ApJ*, 808, 124, “The 10830 Å Helium Line among Evolved Stars in the Globular Cluster M4”

Torres, G., ... **Everett, M.E.**, et al. 2015, *ApJ*, 800, 99, “Validation of 12 Small Kepler Transiting Planets in the Habitable Zone”

van de Sande, J., et al. 2014, *ApJL*, 793, L31, “The Fundamental Plane of Massive Quiescent Galaxies Out to $z \sim 2$ ”

van de Sande, J., et al. 2015, *ApJ*, 799, 125, “The Relation between Dynamical Mass-to-Light Ratio and Color for Massive Quiescent Galaxies Out to $z \sim 2$ and Comparison with Stellar Population Synthesis Models”

Vergani, S.D., et al. 2015, *A&A*, 581, A102, “Are Long Gamma-ray Bursts Biased Tracers of Star Formation? Clues from the Host Galaxies of the Swift/BAT6 Complete Sample of LGRBs I. Stellar Mass at $z < 1$ ”

Wahhaj, Z., et al. 2015, *A&A*, 581, A24, “Improving Signal-to-Noise in the Direct Imaging of Exoplanets and Circumstellar Disks with MLOCI”

Walsh, J.L., et al. 2015, *ApJ*, 808, 183, “The Black Hole in the Compact, High-Dispersion Galaxy NGC 1271”

Wang, W.-H., Kanekar, N., Prochaska, J.X. 2015, *MNRAS*, 448, 2832, “A Search for H α Emission in High-Metallicity Damped Lyman α Systems at $z \sim 2.4$ ”

Weidmann, W.A., Méndez, R.H., Gamen, R. 2015, *A&A*, 579, A86, “Improved Spectral Descriptions of Planetary Nebulae Central Stars”

Worseck, G., et al. 2014, *MNRAS*, 445, 1745, “The Giant Gemini GMOS Survey of $z_{em} > 4.4$ Quasars— I. Measuring the Mean Free Path across Cosmic Time”

Wu, J., et al. 2015, MNRAS, 448, 1900, “Gemini Spectroscopy of Galactic Bulge Sources: A Population of Hidden Accreting Binaries Revealed?”

Wu, X.-B., et al. 2015, Natur, 518, 7540, “An Ultraluminous Quasar with a Twelve-Billion-Solar-Mass Black Hole at Redshift 6.30”

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