

# Cerro Tololo Inter-American Observatory

## Telescopes Data Publications

### FY15

During FY15 (Oct. 2014–Sept. 2015), 178 publications used data taken at the CTIO telescopes (includes the Blanco, SOAR, and others) for which NOAO allocates observing time\*:

- Abbas, M.A., et al. 2015, AJ, 149, 40, “Variable Stars in Metal-Rich Globular Clusters. IV. Long-Period Variables in NGC 6496”
- Aird, J., et al. 2015, MNRAS, 451, 1892, “The Evolution of the X-ray Luminosity Functions of Unabsorbed and Absorbed AGNs out to  $z \sim 5$ ”
- Artigau, E., et al. 2015, ApJ, 806, 254, “BANYAN. VI. Discovery of a Companion at the Brown Dwarf/Planet-Mass Limit to a Tucana-Horologium M Dwarf”
- Assef, R.J., et al. 2015, ApJ, 804, 27, “Half of the Most Luminous Quasars May Be Obscured: Investigating the Nature of WISE-Selected Hot Dust-Obscured Galaxies”
- Astier, P., et al. 2014, A&A, 572, A80, “Extending the Supernova Hubble Diagram to  $z \sim 1.5$  with the Euclid Space Mission”
- Balbinot, E., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **James, D.**, ... **Smith, R.C.**, et al. 2015, MNRAS, 449, 1129, “The LMC Geometry and Outer Stellar Populations from Early DES Data”
- Banerji, M., et al. 2015, MNRAS, 446, 2523, “Combining Dark Energy Survey Science Verification Data with Near-Infrared Data from the ESO VISTA Hemisphere Survey”
- Baron, F., et al. 2015, ApJ, 802, 37, “Discovery and Characterization of Wide Binary Systems with a Very Low Mass Component”
- Bastian, N., Strader, J. 2014, MNRAS, 443, 3594, “Constraining Globular Cluster Formation Through Studies of Young Massive Clusters—III. A Lack of Gas and Dust in Massive Stellar Clusters in the LMC and SMC”
- Batista, V., et al. 2015, ApJ, 808, 170, “Confirmation of the OGLE-2005-BLG-169 Planet Signature and Its Characteristics with Lens-Source Proper Motion Detection”
- Bayliss, M.B., et al. 2014, ApJ, 794, 12, “SPT-CL J2040-4451: An SZ-selected Galaxy Cluster at  $z = 1.478$  with Significant Ongoing Star Formation”
- Bechtol, K., ... **Walker, A.R.**, ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, et al. 2015, ApJ, 807, 50, “Eight New Milky Way Companions Discovered in First-Year Dark Energy Survey Data”
- Bennet, D.P., et al. 2015, ApJ, 808, 169, “Confirmation of the Planetary Microlensing Signal and Star and Planet Mass Determinations for Event OGLE-2005-BLG-169”
- Bhardwaj, A., et al. 2015, MNRAS, 447, 3342, “On the Variation of Fourier Parameters for Galactic and LMC Cepheids at Optical, Near-Infrared and Mid-infrared Wavelengths”
- Bleem, L.E., et al. 2015, ApJS, 216, 20, “A New Reduction of the Blanco Cosmology Survey: An Optically Selected Galaxy Cluster Catalog and a Public Release of Optical Data Products”
- 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”
- Blum, R.D., et al. 2014, AJ, 148, 86, “Spitzer SAGE-Spec: Near Infrared Spectroscopy, Dust Shells, and Cool Envelopes in Extreme Large Magellanic Cloud Asymptotic Giant Branch Stars”
- Bocquet, S., et al. 2015, ApJ, 799, 214, “Mass Calibration and Cosmological Analysis of the SPT-SZ Galaxy Cluster Sample Using Velocity Dispersion  $\sigma_v$  and X-ray  $Y_x$  Measurements”

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\* Data from have resulted from time allocated by other than the NOAO TAC.

- Bodaghee, A., et al. 2015, ApJ, 801, 49, “A First Look at the X-ray Population of the Young Massive Cluster VVV CL077”
- Bosh, A., et al. 2015, Icar, 246, 237, “The State of Pluto's Atmosphere 2012-2013”
- 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”
- Brahm, R., et al. 2015, AJ, 150, 33, “HATS9-b and HATS10-b: Two Compact Hot Jupiters in Field 7 of the K2 Mission”
- Bray, V.J., Schenk, P.M. 2015, Icar, 246, 156, “Pristine Impact Crater Morphology on Pluto—Expectations for New Horizons”
- Britt, C.T., et al. 2015, MNRAS, 448, 3455, “The Relationship between X-ray Luminosity and Duty Cycle for Dwarf Novae and Their Specific Frequency in the Inner Galaxy”
- Calderón, J.P., et al. 2015, MNRAS, 451, 791, Early-Type Galaxies in the Antlia Cluster: A Deep Look into Scaling Relations”
- Calchi Novati, S., et al. 2015, ApJ, 804, 20, “Pathway to the Galactic Distribution of Planets: Combined Spitzer and Ground-Based Microlens Parallax Measurements of 21 Single-Lens Events”
- Carraro, G., et al. 2015, AJ, 149, 12, “The Thickening of the Thin Disk in the Third Galactic Quadrant”
- Casey, C.M., et al. 2014, ApJ, 796, 95, “Are Dusty Galaxies Blue? Insights on UV Attenuation from Dust-Selected Galaxies”
- Chang, C., ... **Abbott, T.**, ... **James, D.**, ... **Smith, C.**, et al. 2015, ApJ, 801, 73, “Modeling the Transfer Function for the Dark Energy Survey”
- Chen, C.-T.J., et al. 2015, ApJ, 802, 50, “A Connection between Obscuration and Star Formation in Luminous Quasars”
- Ciardullo, R., et al. 2014, ApJ, 796, 64, “Hubble Space Telescope Emission Line Galaxies at  $z \sim 2$ : The Ly $\alpha$  Escape Fraction”
- Cody, A.M., Hillenbrand, L.A. 2014, ApJ, 796, 129, “A Pulsation Search among Young Brown Dwarfs and Very-Low-Mass Stars”
- Coley, J.B., Corbet, R.H.D., Mukai, K., Pottschmidt, K. 2014, ApJ, 793, 77, “Probing the Mysteries of the X-ray Binary 4U 1210-64 with ASM, PCA, MAXI, BAT, and Suzaku”
- Collado, A., Gamen, R., Barba, R.H., Morrell, N. 2015, A&A, 581, A49, “A New Massive Double-Lined Spectroscopic Binary System: The Wolf-Rayet Star WR 68a”
- Corbelli, E., et al. 2014, A&A, 572, A23, “Dynamical Signatures of a  $\Lambda$ CDM-halo and the Distribution of the Baryons in M 33”
- Cortes, C., et al. 2015, A&A, 581, A68, “Stellar Parameters for Stars of the CoRoT Exoplanet Field”
- Costa, E., et al. 2015, A&A, 580, A4, “Insights into the Properties of the Local (Orion) Spiral Arm. NGC 2302: First Results and Description of the Program”
- Das, R., et al. 2015, MNRAS, 447, 806, “Near-Infrared Studies of V5558 Sgr: An Unusually Slow Nova with Multiple Outbursts”
- Davison, C.L., et al. 2015, AJ, 149, 106, “A 3D Search for Companions to 12 Nearby M-dwarfs”
- Draskovic, D., Parker, Q.A., Reid, W.A., Stupar, M. 2015, MNRAS, 452, 1402, “Four New Planetary Nebulae towards the Small Magellanic Cloud”
- de Boer, T.J.L., et al. 2014, A&A, 572, A10, “The Episodic Star Formation History of the Carina Dwarf Spheroidal Galaxy”
- de Los Reyes, M.A., 2015, AJ, 149, 79, “The Relationship between Stellar Mass, Gas Metallicity, and Star Formation Rate for H $\alpha$ -selected Galaxies at  $z \approx 0.8$  from the New H $\alpha$  Survey”
- de Jaeger, T., et al. 2015, ApJ, 807, 63, “SN 2011A: A Low-Luminosity Interacting Transient, with a Double Plateau and Strong Sodium Absorption”
- Deason, A.J., Belokurov, V., Weisz, D.R. 2015, MNRAS, 448, 77, “The Progenitors of the Milky Way Stellar Halo: Big Bricks Favoured over Little Bricks”
- Egenthaler, P., Ploekinger, S., Verdugo, M., Ziegler, B. 2015, MNRAS, 451, 2793, “Star-Formation Properties of Hickson Compact Groups Based on Deep H $\alpha$  Imaging”
- Erwin, P., et al. 2015, MNRAS, 446, 4039, “Composite Bulges: The Coexistence of Classical Bulges and Discy Pseudo-Bulges in S0 and Spiral Galaxies”

Falocco, S., et al. 2015, *A&A*, 579, A115, “SUDARE-VOICE Variability-Selection of Active Galaxies in the Chandra Deep Field South and the SERVS/SWIRE Region”

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”

Filippazzo, J.C., et al. 2015, *ApJ*, 810, 158, “Fundamental Parameters and Spectral Energy Distributions of Young and Field Age Objects with Masses Spanning the Stellar to Planetary Regime”

Finch, C.T., et al. 2014, *AJ*, 148, 119, “UCAC4 Nearby Star Survey: A Search for Our Stellar Neighbors”

Flaugher, B., ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2015, *AJ*, 150, 150, “The Dark Energy Camera”

Forbes, D.A., et al. 2014, *MNRAS*, 444, 2993, “The AIMSS Project II: Dynamical-to-Stellar Mass Ratios across the Star Cluster-Galaxy Divide”

French, L.M., et al. 2015, *Icar*, 254, 1, “Rotation Lightcurves of Small Jovian Trojan Asteroids”

Fukui, A., et al. 2015, *ApJ*, 809, 74, “OGLE-2012-BLG-0563Lb: A Saturn-Mass Planet around an M Dwarf with the Mass Constrained by Subaru AO Imaging”

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

Geier, S., et al. 2015, *A&A*, 577, A26, “The Catalogue of Radial Velocity Variable Hot Subluminous Stars from the MUCHFUSS Project”

Goldstein, D.A., ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2015, *AJ*, 150, 82, “Automated Transient Identification in the Dark Energy Survey”

Guyonnet, A., et al. 2015, *A&A*, 575, A41, “Evidence for Self-Interaction of Charge Distribution in Charge-Coupled Devices”

Hansen, T., et al. 2015, *ApJ*, 807, 173, “An Elemental Assay of Very, Extremely, and Ultra-metal-poor Stars”

Hartigan, P., Reiter, M., Smith, N., Bally, J. 2015, *AJ*, 149, 101, “A Survey of Irradiated Pillars, Globules, and Jets in the Carina Nebula”

Hartman, J.D., et al. 2015, *AJ*, 149, 166, “HATS-6b: A Warm Saturn Transiting an Early M Dwarf Star, and a Set of Empirical Relations for Characterizing K and M Dwarf Planet Hosts”

Henderson, C.B., et al. 2014, *ApJ*, 794, 71, “Candidate Gravitational Microlensing Events for Future Direct Lens Imaging”

Hermes, J.J., et al. 2015, *MNRAS*, 451, 1701, “Insights into Internal Effects of Common-Envelope Evolution Using the Extended Kepler Mission”

Hernández, J., ... **Briceño, C.**, et al. 2014, *ApJ*, 794, 36, “A Spectroscopic Census in Young Stellar Regions: The  $\sigma$  Orionis Cluster”

Hillwig, T.C., et al. 2015, *AJ*, 150, 30, “Binary Central Stars of Planetary Nebulae Discovered through Photometric Variability. III: The Central Star of Abell 65”

Hlavacek-Larrondo, J., et al. 2015, *ApJ*, 805, 35, “X-ray Cavities in a Sample of 83 SPT-clusters of Galaxies: Tracing the Evolution of AGN Feedback in Clusters of Galaxies out to  $z=1.2$ ”

Hosey, A.D., et al. 2015, *AJ*, 150, 6, “The Solar Neighborhood XXXVI: The Long-Term Photometric Variability of Nearby Red Dwarfs in the VRI Optical Bands”

Hur, H., et al. 2015, *MNRAS*, 446, 3797, “Reddening, Distance, and Stellar Content of the Young Open Cluster Westerlund 2”

Inserra, C., Smartt, S.J. 2014, *ApJ*, 796, 129, “Superluminous Supernovae as Standardizable Candles and High-Redshift Distance Probes”

Johnson, C.B., et al. 2014, *MNRAS*, 444, 1584, “HD 314884: A Slowly Pulsating B Star in a Close Binary”

Johnson, S.D., Chen, H.-W., Mulchaey, J.S. 2015, *MNRAS*, 449, 3263, “On the Possible Environmental Effect in Distributing Heavy Elements beyond Individual Gaseous Halos”

Jones, A.G., et al. 2015, *MNRAS*, 448, 168, “The Relationship between Polycyclic Aromatic Hydrocarbon Emission and Far-Infrared Dust Emission from NGC 2403 and M83”

Kanarek, G., et al. 2015, *MNRAS*, 452, 2858, “A Near-Infrared Survey of the Inner Galactic Plane for Wolf-Rayet Stars—III. New Methods: Faintest WR Stars”

Kankare, E., et al. 2015, *A&A*, 581, A4, “On the Triple Peaks of SNHunt248 in NGC 5806”

Keenan, R.C., et al. 2014, *ApJ*, 795, 157, “Evolution of the Major Merger Galaxy Pair Fraction at  $z < 1$ ”

- Kim, D., et al. 2015, ApJ, 803, 63, “Discovery of a Faint Outer Halo Milky Way Star Cluster in the Southern Sky”
- Kim, D., Jerjen, H. 2015, ApJ, 799, 73, “A Hero's Little Horse: Discovery of a Dissolving Star Cluster in Pegasus”
- Kim, D., Jerjen, H. 2015, ApJL, 808, L39, “Horologium II: A Second Ultra-faint Milky Way Satellite in the Horologium Constellation”
- Kirby, E.N., Simon, J.D., Cohen, J.G. 2015, ApJ, 810, 56, “Spectroscopic Confirmation of the Dwarf Galaxies Hydra II and Pisces II and the Globular Cluster Laevens 1”
- Kuncarayakti, H., et al. 2015, A&A, 579, A95, “Nebular Phase Observations of the Type-Ib Supernova iPTF13bvn Favour a Binary Progenitor”
- Kupfer, T., et al. 2015, A&A, 576, A44, “Hot Subdwarf Binaries from the MUCHFUSS Project. Analysis of 12 New Systems and a Study of the Short-Period Binary Population”
- Landoni, M., et al. 2015, AJ, 149, 163, “Optical Spectroscopic Observations of  $\gamma$ -ray Blazar Candidates. III. The 2013/2014 Campaign in the Southern Hemisphere”
- Lauer**, T.R., et al. 2014, ApJ, 797, 82, “Brightest Cluster Galaxies at the Present Epoch”
- Lee, C.-H., et al. 2014, ApJ, 797, 22, “Properties of M31. V. 298 Eclipsing Binaries from Pandromeda”
- Lee, J.-W. 2015, ApJS, 219, 7, “Multiple Stellar Populations of Globular Clusters from Homogenous Ca by Photometry I. M22 (NGC 6656)”
- Lemasle, B., et al. 2015, A&A, 572, A88, “VLT/FLAMES Spectroscopy of Red Giant Branch Stars in the Fornax Dwarf Spheroidal Galaxy”
- Lemasle, B., et al. 2015, A&A, 579, A47, “Type II Cepheids in the Milky Way Disc. Chemical Composition of Two New W Vir Stars: DD Vel and HQ Car”
- Lim, D., et al. 2015, ApJS, 216, 19, “Low-Resolution Spectroscopy for the Globular Clusters with Signs of Supernova Enrichment: M22, NGC 1851, and NGC 288”
- Lindsay, S.S., et al. 2015, Icar, 247, 53, “Composition, Mineralogy, and Porosity of Multiple Asteroid Systems from Visible and Near-Infrared Spectral Data”
- Lobo Gomes, A., Mario Magalhães, A., Pereyra, A., Vilega Rodrigues, C. 2015, ApJ, 806, 94, “A New Optical Polarization Catalog for the Small Magellanic Cloud: The Magnetic Field Structure”
- Lurie, J.C., et al. 2014, AJ, 148, 91, “The Solar Neighborhood. XXXIV. A Search for Planets Orbiting Nearby M Dwarfs Using Astrometry”
- Macri, L.M., et al. 2015, AJ, 149, 117, “Large Magellanic Cloud Near-Infrared Synoptic Survey. I. Cepheid Variables and the Calibration of the Leavitt Law”
- Maderak, R.M., et al. 2015, AJ, 149, 141, “WIYN Open Cluster Study. LXIII. Abundances in the Super-Metal-Rich Open Cluster NGC 6253 from Hydra Spectroscopy of the 7774 Å Oxygen Triplet Region”
- Mancini, L., et al. 2015, A&A, 580, A63, “HATS-13b and HATS-14b: Two Transiting Hot Jupiters from the HATSouth Survey”
- Marino, A.F., et al. 2015, MNRAS, 450, 815, “Iron and S-elements Abundance Variations in NGC 5286: Comparison with ‘Anomalous’ Globular Clusters and Milky Way Satellites”
- Martin, N.F., **Walker, A.R., Vivas, A.K., ... Kaleida, C.C.**, et al. 2015, ApJL, 804, L5, “Hydra II: A Faint and Compact Milky Way Dwarf Galaxy Found in the Survey of the Magellanic Stellar History”
- Martinazzi, E., et al. 2015, MNRAS, 447, 2235, “New SX Phe Variables in the Globular Cluster NGC 288”
- Martinet, N., et al. 2015, A&A, 575, A116, “The Evolution of the Cluster Optical Galaxy Luminosity Function between  $z=0.4$  and  $0.9$  in the DAFT+FADA Survey”
- Martinez-Vazquez, C.E., et al. 2015, MNRAS, 454, 1509, “Variable Stars in Local Group Galaxies. I: Tracing the Early Chemical Enrichment and Radial Gradients in the Sculptor dSph with RR Lyrae Stars”
- McCleary, J., dell’Antonio, I., Huwe, P. 2015, ApJ, 805, 40, “Mass Substructure in Abell 3128”
- McMonigal, B., et al. 2014, MNRAS, 444, 3139, “Sailing under the Magellanic Clouds: A DECam View of the Carina Dwarf”
- Mehner, A., et al. 2015, A&A, 578, A122, “Eta Carinae's 2014.6 Spectroscopic Event: Clues to the Long-Term Recovery from Its Great Eruption”
- Melchior, P., ... **Abbott, T., ... Smith, C., ... Walker, A.**, et al. 2015, MNRAS, 449, 2219, “Mass and Galaxy Distributions of Four Massive Galaxy Clusters from Dark Energy Survey Science Verification Data”

- Mennickent, R.E., et al. 2015, MNRAS, 448, 1137, “Fundamental Parameters of the Close Interacting Binary HD 170582 and Its Luminous Accretion Disc”
- Miettinen, O., et al. 2015, A&A, 577, A29, “(Sub)millimetre Interferometric Imaging of a Sample of COSMOS+AzTEC Submillimetre Galaxies—I. Multiwavelength Identifications and Redshift Distribution”
- Mikołajewska, J., Caldwell, N., Shara, M.M. 2014, MNRAS, 444, 586, “First Detection and Characterization of Symbiotic Stars in M31”
- Mikołajewska, J., Caldwell, N., Shara, M.M., Hkiewicz, K. 2015, ApJL, 799, L16, “Characterization of the Most Luminous Star in M33: A Super Symbiotic Binary”
- Mitchell, C.J., et al. 2015, AJ, 149, 116, “The Rings Survey. I. H $\alpha$  and H I Velocity Maps of Galaxy NGC 2280”
- Momcheva, I., et al. 2015, ApJS, 219, 29, “A Spectroscopic Survey of the Fields of 28 Strong Gravitational Lenses: The Redshift Catalog”
- Mortlock, A., et al. 2015, MNRAS, 447, 2, “Deconstructing the Galaxy Stellar Mass Function with UKIDSS and CANDELS: The Impact of Colour, Structure and Environment”
- Mudd, D., Stanek, K.Z. 2015, MNRAS, 450, 3811, “GALEX Catalogue of UV Point Sources in M33”
- Nardiello, D., et al. 2015, A&A, 573, A70, “Observing Multiple Stellar Populations with VLT/FORS2. Main Sequence Photometry in Outer Regions of NGC 6752, NGC 6397, and NGC 6121 (M 4)”
- Navarete, F., Daminieli, A., Barbosa, C.L., **Blum, R.D.** 2015, IAU Symp. 307, eds. G. Meynet, C. Georgy, J. Groh, P. Stee (Cambridge), 431, “Accretion Signatures on Massive Young Stellar Objects”
- Navarete, F., Daminieli, A., Barbosa, C.L., **Blum, R.D.** 2015, MNRAS, 450, 4364, “A Survey of Extended H2 Emission from Massive YSOs”
- Neff, S. G., Eilek, J.A., Owen, F.N. 2015, ApJ, 802, 88, “The Complex North Transition Region of Centaurus A: A Galactic Wind”
- Oksala, M.E., et al. 2015, A&A, 578, A112, “An Infrared Diagnostic for Magnetism in Hot Stars”
- Orosz, J.A., et al. 2014, ApJ, 794, 154, “The Mass of the Black Hole in LMC X-3”
- Pagnotta, A., et al. 2015, ApJ, 811, 32, “The 2010 Eruption of the Recurrent Nova U Scorpii: The Multi-wavelength Light Curve”
- Palma, T., et al. 2015, MNRAS, 450, 2122, “Probing the Large Magellanic Cloud's Recent Chemical Enrichment History through Its Star Clusters”
- Papadopoulos, A., ... **Smith, R.C.**, ... **Abbott, T.M.C.**, ... **James, D.**, et al. 2015, MNRAS, 449, 1215, “DES13S2mm: The First Superluminous Supernova from the Dark Energy Survey”
- Peterson, B.M., et al. 2014, ApJ, 795, 149, “Reverberation Mapping of the Seyfert 1 Galaxy NGC 7469”
- Piatti, A.E. 2015, MNRAS, 451, 3219, “The Age-Metallicity Relationship in the Small Magellanic Cloud Periphery”
- Piatti, A.E. 2014, MNRAS, 445, 2302, “Bruck 88: A Young Star Cluster with an Old Age Resemblance in the Outskirts of the Small Magellanic Cloud”
- Ranc, C., et al. 2015, A&A, 580, A125, “MOA-2007-BLG-197: Exploring the Brown Dwarf Desert”
- Rangelov, B., et al. 2014, ApJ, 796, 34, “Multiwavelength Study of the Northeastern Outskirts of the Extended TeV Source HESS J1809-193”
- Regnault, N., et al. 2015, A&A, 581, A45, “The DICE Calibration Project Design, Characterization, and First Results”
- Ricci, F., et al. 2015, AJ, 149, 160, “Optical Spectroscopic Observations of  $\gamma$ -ray Blazar Candidates IV. Results of the 2014 Follow-up Campaign”
- Riguccini, L., ... **Kartaltepe, J.**, et al. 2015, MNRAS, 452, 470, “The Composite Nature of Dust-Obscured Galaxies (DOGs) at  $z \sim 2-3$  in the COSMOS Field: I. A Far-Infrared View”
- Roderick, T.A., Jerjen, H., Mackey, A.D., Da Costa, G.S. 2015, ApJ, 804, 134, “Stellar Substructures around the Hercules Dwarf Spheroidal Galaxy”
- Salinas, R., Alabi, A., Richtler, T., Lane, R.R. 2015, A&A, 577, A59, “Isolated Ellipticals and Their Globular Cluster Systems. III. NGC 2271, NGC 2865, NGC 3962, NGC 4240, and IC 4889”
- Salinas, R., Strader, J. 2015, ApJ, 809, 169, “No Evidence for Multiple Stellar Populations in the Low-Mass Galactic Globular Cluster E 3”

- Saliwanchik, B.R., et al. 2015, ApJ, 799, 137, “Measurement of Galaxy Cluster Integrated Comptonization and Mass Scaling Relations with the South Pole Telescope”
- Salmon, B., et al. 2015, ApJ, 799, 183, “The Relation between Star Formation Rate and Stellar Mass for Galaxies at  $3.5 \leq z \leq 6.5$  in CANDELS”
- Sand, D.J., et al. 2015, ApJ, 806, 95, “A Comprehensive Archival Search for Counterparts to Ultra-compact High Velocity Clouds: Five Local Volume Dwarf Galaxies”
- Sandoval, M.A., et al. 2015, ApJ, 808, 32, “Hiding in Plain Sight: Record-Breaking Compact Stellar Systems in the Sloan Digital Sky Survey”
- Santini, P., et al. 2015, ApJ, 801, 97, “Stellar Masses from the CANDELS Survey: The GOODS-South and UDS Fields”
- Schaffenroth, V., Barlow, B.N., Drechsel, H., Dunlap, B.H. 2015, A&A, 576, A123, “An Eclipsing Post Common-Envelope System Consisting of a Pulsating Hot Subdwarf B Star and a Brown Dwarf Companion”
- Schimoia, J.S., et al. 2015, ApJ, 800, 63, “Short-Timescale Monitoring of the X-ray, UV and Broad Double-Peak Emission Line of the Nucleus of NGC 1097”
- Schwarz, G.J., et al. 2015, ApJ, 149, 95, “Pan-chromatic Observations of the Remarkable Nova LMC 2012”
- Sheppard, S., Trujillo, C. 2015, AJ, 149, 44, “Discovery and Characteristics of the Rapidly Rotating Active Asteroid (62412) 2000 SY178 in the Main Belt”
- Siegel, M.H., et al. 2014, AJ, 148, 131, “The Swift UVOT Stars Survey. I. Methods and Test Clusters”
- Silva, K.M.G., et al. 2015, MNRAS, 451, 4183, “MLS110213:022733+130617: A New Eclipsing Polar above the Period Gap”
- Simet, M., Mandelbaum, R. 2015, MNRAS, 449, 1259, “Background Sky Obscuration by Cluster Galaxies as a Source of Systematic Error for Weak Lensing”
- Simon, J.D., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2015, AJ, 808, 95, “Stellar Kinematics and Metallicities in the Ultra-faint Dwarf Galaxy Reticulum II”
- Skottfelt, J., et al. 2015, A&A, 573, A103, “Searching for Variable Stars in the Cores of Five Metal-Rich Globular Clusters Using EMCCD Observations”
- Skowron, J., et al. 2015, ApJ, 804, 33, “OGLE-2011-BLG-0265Lb: A Jovian Microlensing Planet Orbiting an M Dwarf”
- Soto, M.G., Jenkins, J.S., Jones, M.I. 2015, MNRAS, 451, 3131, “RAFT I: Discovery of New Planetary Candidates and Updated Orbits from Archival FEROS Spectra”
- Stauffer, J., et al. 2015, AJ, 149, 130, “CSI 2264: Characterizing Young Stars in NGC 2264 with Short-Duration, Periodic Flux Dips in Their Light Curves”
- Strader, J., et al. 2015, ApJL, 804, L12, “1FGL J1417.7-4407: A Likely Gamma-ray Bright Binary with a Massive Neutron Star and a Giant Secondary”
- Swiggum, J. K., et al. 2015, ApJ, 805, 156, “PSR J1930-1852: A Pulsar in the Widest Known Orbit around Another Neutron Star”
- Toala, J.A., Guerrero, M.A., Ramos-Larios, G., Guzman, V. 2015, A&A, 578, A66, “WISE Morphological Study of Wolf-Rayet Nebulae”
- Tokovinin, A.** 2014, AJ, 148, 72, “Imaging Survey of Subsystems in Secondary Components to Nearby Southern Dwarfs”
- Tokovinin, A.**, Gorynya, N.A., Morrell, N.I. 2014, MNRAS, 443, 3082, “The Quadruple System ADS 1652”
- Tokovinin, A.**, Latham, D.W., Mason, B.D. 2015, AJ, 149, 195, “The Unusual Quadruple System HD 91962 with a ‘Planetary’ Architecture”
- Tokovinin, A.**, Pribulla, T., Fischer, D. 2015, AJ, 149, 8, “Radial Velocities of Southern Visual Multiple Stars”
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