

## CTIO Telescopes Publications

**FY 2014 (Oct. 1, 2013–Sept. 30, 2014)**

During FY14 (Oct. 2013–Sept. 2014), 165 publications used data taken at the CTIO telescopes for which NOAO allocates observing time (Blanco=76; SOAR=49; SMARTS=59).<sup>1</sup> NOAO Scientific Staff names are in boldface.

Adams, E.R., et al. 2014, AJ, 148, 55, "De-biased Populations of Kuiper Belt Objects from the Deep Ecliptic Survey"

Alberts, S., ... **Atlee, D.W.**, ... **Dey, A.**, et al. 2014, MNRAS, 437, 437, "The Evolution of Dust-Obscured Star Formation Activity in Galaxy Clusters Relative to the Field over the Last 9 Billion Years"

Amigo, P., et al. 2013, AJ, 146, 130, "Time-Series BVI Photometry for the Globular Cluster NGC 6981"

Asa'd, R.S., Hanson, M. M., Ahumada, Andrea V. 2013, PASP, 125, 1304, "An Investigation of the Use of Synthetic Spectra to Find the Ages of Stellar Clusters"

Ascaso, B., Wittman, D., Dawson, W. 2014, MNRAS, 439, 1980, "Optical Galaxy Clusters in the Deep Lens Survey"

Barber, C., Courteau, S., Roediger, J.C., Schiavon, R.P. 2014, MNRAS, 440, 2953, "Validation of Optimized Population Synthesis through Mock Spectra and Galactic Globular"

Belli, S., Newman, A.B., Ellis, R.S., Konidaris, N.P. 2014, ApJL, 788, L29, "MOSFIRE Absorption Line Spectroscopy of  $z > 2$  Quiescent Galaxies: Probing a Period of Rapid Size Growth"

Berger, E., et al. 2013, ApJ, 779, 18, "A Search for Fast Optical Transients in the Pan-STARRS1 Medium-Deep Survey: M-Dwarf Flares, Asteroids, Limits on Extragalactic Rates, and Implications for LSST"

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

Borissova, J., et al. 2014, A&A, 569, A24, "New Galactic Star Clusters Discovered in the VVV Survey. Candidates Projected on the Inner Disk and Bulge"

Bouy, H., et al. 2014, *A&A*, 564, A29, "Orion Revisited. II. The Foreground Population to Orion A"

Brodwin, M., ... **Dey, A.**, et al. 2013, *ApJ*, 779, 138, "The Era of Star Formation in Galaxy Clusters"

Brown, M.J.I., et al. 2014, *ApJS*, 212, 18, "An Atlas of Galaxy Spectral Energy Distributions from the Ultraviolet to the Mid-infrared"

Brownsberger, S., Romani, R.W. 2014, *ApJ*, 784, 154, "A Survey for H $\alpha$  Pulsar Bow Shocks"

Bufano, F., et al. 2014, *MNRAS*, 439, 1807, "SN 2011hs: A Fast and Faint Type IIb Supernova from a Supergiant Progenitor"

Burke, D.L., **Saha, A.**, ... **Claver, C.**, ... **Smith, C.R.**, et al. 2014, *AJ*, 147, 19, "All-Weather Calibration of Wide-Field Optical and NIR Surveys"

Cáceres, C., et al. 2014, *A&A*, 565, A7, "Ground-Based Transit Observations of the Super-Earth GJ 1214 b"

Calura, F., et al. 2014, *MNRAS*, 438, 2765, "The Dust Content of QSO Hosts at High Redshift"

Canning, R.E.A., et al. 2013, *MNRAS*, 435, 1108, "A Multiwavelength View of Cooling Versus AGN Heating in the X-ray Luminous Cool-core of Abell 3581"

Carraro, G., Giorgi, E.E., Costa, E., Vázquez, R.A. 2014, *MNRAS*, 441, 36, "NGC 4337: An Overlooked Old Cluster in the Inner Disc of the Milky Way"

Caso, J.P., et al. 2014, *MNRAS*, 442, 891, "Ultracompact Dwarfs around NGC 3268"

Cavichia, O., Mollá, M., Costa, R.D.D., Maciel, W.J. 2014, *MNRAS*, 437, 3688, "The Role of the Galactic Bar in the Chemical Evolution of the Milky Way"

Chakraborty, A., et al. 2014, *PASP*, 123, 133, "The PRL Stabilized High-Resolution Echelle Fiber-Fed Spectrograph: Instrument Description and First Radial Velocity Results"

Chernyakova, M., et al. 2014, *MNRAS*, 439, 432, "Multiwavelength Observations of the Binary System PSR B1259-63/LS 2883 Around the 2010-2011 Periastron Passage"

Choi, J., et al. 2014, *ApJ*, 792, 9, "The Assembly Histories of Quiescent Galaxies since  $z = 0.7$  from Absorption Line Spectroscopy"

Chung, S.M., et al. 2014, ApJ, 790, 54, "A UV to Mid-IR Study of AGN Selection"

Clem, J.L., Landolt, A.U. 2013, AJ, 146, 88, "Faint UBVRI Standard Star Fields"

Clements, D.L., Wardlow, J., Zemcov, M., de Zotti, G. 2014, MNRAS, 439, 1193, "Herschel Multitiered Extragalactic Survey: Clusters of Dusty Galaxies Uncovered by Herschel and Planck"

Cohen, J.G., et al. 2013, ApJ, 778, 56, "Normal and Outlying Populations of the Milky Way Stellar Halo at  $[Fe/H] < -2$ "

Cordero, M., et al. 2014, ApJ, 780, 94, "Detailed Abundances for a Large Sample of Giant Stars in the Globular Cluster 47 Tucanae (NGC 104)"

Davison, C.L., et al. 2014, AJ, 147, 26, "The Closest M-Dwarf Quadruple System to the Sun"

de Carvalho, S. M., Rotondo, M., Rueda, Jorge A., Ruffini, R. 2014, PhRvC, 89a5801D, "Relativistic Feynman-Metropolis-Teller Treatment at Finite Temperatures"

Degenaar, N., et al. 2014, ApJ, 784, 122, "Multi-wavelength Coverage of State Transitions in the New Black Hole X-Ray Binary Swift J1910.2-0546"

Dessauges-Zavadsky, M., Verdugo, C., Combes, F., Pfenniger, D. 2014, A&A, 566, A147, "CO Map and Steep Kennicutt-Schmidt Relation in the Extended UV Disk of M 63"

DeWitt, C., et al. 2013, AJ, 146, 109, "Three New Galactic Center X-ray Sources Identified with Near-infrared Spectroscopy"

**Dey, A., Valdes, F.** 2014, PASP, 126, 296, "The Delivered Image Quality with the MOSAIC Cameras at the Kitt Peak 4m Mayall and Cerro Tololo 4m Blanco Telescopes"

Dias, B., et al. 2014, A&A, 561, A106, "Self-Consistent Physical Parameters for Five Intermediate-Age SMC Stellar Clusters from CMD Modelling"

Dieterich, S.B., et al. 2014, AJ, 147, 94, "The Solar Neighborhood. XXXII. The Hydrogen Burning Limit"

Doran, E.I., et al. 2013, A&A, 558, A134, "The VLT-FLAMES Tarantula Survey. XI. A Census of the Hot Luminous Stars and Their Feedback in 30 Doradus"

Duffau, S., **Vivas, A.K.**, et al. 2014, A&A, 566, A118, "A Comprehensive View of the Virgo Stellar Stream"

Durret, F., et al. 2013, A&A, 560, A78, "The Merging Cluster of Galaxies Abell 3376: An Optical View"

Faisst, A.L., et al. 2014, ApJ, 788, 87, "Spectroscopic Observation of Ly $\alpha$  Emitters at  $z \sim 7.7$  and Implications on Re-ionization"

Fornasier, S., et al. 2014, A&A, 568, L11, "The Centaur 10199 Chariklo: Investigation into Rotational Period, Absolute Magnitude, and Cometary Activity"

French, L., et al. 2013, MPBu, 40, 198, "A Troop of Trojans: Photometry of 24 Trojan Asteroids"

Fritz, A., et al. 2014, A&A, 563, A92, "The VIMOS Public Extragalactic Redshift Survey (VIPERS): A Quiescent Formation of Massive Red-Sequence Galaxies over the Past 9 Gyr"

Furusawa, K., et al. 2013, ApJ, 779, 91, "MOA-2010-BLG-328Lb: A Sub-Neptune Orbiting Very Late M Dwarf?"

Gahm, G.F., et al. 2013, A&A, 560, A57, "Face to Phase with RU Lupi"

Gamen, R., et al. 2014, A&A, 562A, 13, "WR 35a: A New Double-Lined Spectroscopic Binary"

Geier, S., et al. 2014, A&A, 562, A95, "Orbital Solutions of Eight Close sdB Binaries and Constraints on the Nature of the Unseen Companions"

Geller, M.J., et al. 2014, ApJS, 213, 35, "SHELS: A Complete Galaxy Redshift Survey with  $R \leq 20.6$ "

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

Gruen, D., et al. 2014, MNRAS, 442, 1507, "Weak Lensing Analysis of SZ-Selected Clusters of Galaxies from the SPT and Planck Surveys"

Grupe, D., et al. 2013, AJ, 146, 78, "Strong UV and X-ray Variability of the Narrow Line Seyfert 1 Galaxy WPVS 007—on the Nature of the X-ray Low State"

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"

Guo, H., et al. 2014, MNRAS, 441, 2398, "The Clustering of Galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Modelling of the Luminosity and Colour Dependence in the Data Release 10"

Hainich, R., et al. 2014, A&A, 565, A27, "The Wolf-Rayet Stars in the Large Magellanic Cloud. A Comprehensive Analysis of the WN Class"

Hansen, T., ... **Beers, T.C.**, et al. 2014, ApJ, 787, 162, "Exploring the Origin of Lithium, Carbon, Strontium, and Barium with Four New Ultra Metal-Poor Stars"

Harrison, T.E., Gelino, D.M., Buxton, M., Fost, T. 2014, AJ, 148, 22, "Herschel Observations of Circinus X-1 during Outburst and Quiescence"

Hinshaw, G., et al. 2013, ApJS, 208, 19, "Nine-Year Wilkinson Microwave Anisotropy Probe (WMAP) Observations: Cosmological Parameter Results"

Hirota, A., et al. 2014, PASJ, 66, 46, "Wide-Field  $^{12}\text{CO}$  ( $J = 1-0$ ) Imaging of the Nearby Barred Galaxy M 83 with NMA and Nobeyama 45 m Telescope: Molecular Gas Kinematics and Star Formation along the Bar"

Holoien, T.W.-S., et al. 2014, ApJL, 785, L35, "Discovery and Observations of ASASSN-13db, an EX Lupi-Type Accretion Event on Low-Mass T Tauri Star"

Hong, S., Calzetti, D., **Dickinson, M.** 2014, PASP, 126, 79, "Quantitative Method for the Optimal Subtraction of Continuum Emission from Narrow-Band Images: Skewness Transition Analysis"

Huitson, C.M., et al. 2013, MNRAS, 434, 3252, "An HST Optical-to-Near-IR Transmission Spectrum of the Hot Jupiter WASP-19b: Detection of Atmospheric Water and Likely Absence of TiO"

Hynes, R.I., et al. 2014, ApJ, 780, 11, "CXOGBS J173620.2-293338: A Candidate Symbiotic X-ray Binary Associate with a Bulge Carbon Star"

Isler, J.C., et al. 2013, ApJ, 779, 100, "A Time-Resolved Study of the Broad-Line Region in Blazar 3C 454.3"

Jain, H.-Y., et al. 2014, ApJ, 788, 109, "Probability Friends-of-Friends (PFOF) Group Finder: Performance Study and Observational Data Applications on Photometric Surveys"

Jao, W.-C., et al. 2014, AJ, 147, 21, "The Solar Neighborhood. XXXI. Discovery of an Unusual Red+White Dwarf Binary at  $\sim 25$  pc via Astrometry and UV Imaging"

Jeon, Y.-B., Nemec, J.M., **Walker, A.R., Kunder, A.M.** 2014, AJ, 147, 155, "B, V Photometry for  $\sim 19,000$  Stars in and around the Magellanic Cloud Globular Clusters NGC 1466, NGV 1841, NGC 2210, NGC 2257, and Reticulum"

Kaplan, D.L., et al. 2014, ApJ, 789, 119, "A 1.05 M  $\odot$  Companion to PSR J2222-0137: The Coolest Known White Dwarf?"

Keel, W.C., et al. 2014, AJ, 147, 44, "The Ultraviolet Attenuation Law in Backlit Spiral Galaxies"

Kepler, S.O., et al. 2014, MNRAS, 442, 2278, "Discovery of a New PG 1159 (GW Vir) Pulsator"

Koptelova, E., Chiueh, T., Chen, W.P., Chan, H.H. 2014, A&A, 566, A36, "New Near-Infrared Observations and Lens-Model Constraints for UM673"

**Kunder, A., ... Walker, A.R.**, et al. 2013, AJ, 146, 119, "The RR Lyrae Variables and Horizontal Branch of NGC 6656 (M22)"

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"

Lee, J., ... **Walker, A.R.**, et al. 2014, ApJS, 210, 6, "Toward a Better Understanding of the Distance Scale from RR Lyrae Variable Stars: A Case Study for the Inner Halo Globular Cluster NGC 6723"

Lee, N., ... **Kartaltepe, J.S.**, et al. 2013, ApJ, 778, 131, "Multi-wavelength SEDs of Herschel-Selected Galaxies in the COSMOS Field"

Lee, S.-K., et al. 2014, ApJ, 783, 81, "Steadily Increasing Star Formation Rates in Galaxies Observed at  $3 < z < 5$  in the CANDELS/GOODS-S Field"

Libralato, M., et al. 2014, A&A, 563, A80, "Ground-Based Astrometry with Wide Field Imagers. V. Application to Near-Infrared Detectors: HAWK-I@VLT/ESO"

Luhman, K.L., Sheppard, S.S. 2014, ApJ, 787, 126, "Characterization of High Proper Motion Objects from the Wide-Field Infrared Survey Explorer"

MacDonald, R.K.D., et al. 2014, ApJ, 784, 2, "The Black Hole Binary V4641 Sagittarii: Activity in Quiescence and Improved Mass Determinations"

Maggi, P., ... **Points, S.D.**, et al. 2014, A&A, 561, A76, "Four New X-ray-selected Supernova Remnants in the Large Magellanic Cloud"

Maguire, K., et al. 2013, MNRAS, 436, 222, "A Statistical Analysis of Circumstellar Material in Type Ia Supernovae"

Maia, F.F.S., Piatti, A.E., Santos, J.F.C. 2014, MNRAS, 437, 2005, "Mass Distribution and Structural Parameters of Small Magellanic Cloud Star Clusters"

Majaess, D., et al. 2013, A&A, 560, A22, "Anchors for the Cosmic Distance Scale: The Cepheids U Sagittarii, CF Cassiopeiae, and CEab Cassiopeiae"

Majaess, D., et al. 2014, A&A, 567, A1, "On the Crucial Cluster Andrews-Lindsay 1 and a 4% Distance Solution for Its Planetary Nebula"

Mamajek, E.E., et al. 2013, AJ, 146, 154, "The Solar Neighborhood. XXX. Fomalhaut C"

Mann, R.K., et al. 2014, ApJ, 784, 82, "ALMA Observations of the Orion Proplyds"

Margutti, R., et al. 2014, ApJ, 780, 21, "A Panchromatic View of the Restless SN 2009ip Reveals the Explosive Ejection of a Massive Star Envelope"

Marocco, F., et al. 2013, AJ, 146, 161, "Parallaxes of Southern Extremely Cool Objects (PARSEC). II. Spectroscopic Follow-up and Parallaxes of 52 Targets"

Masetti, N., et al. 2013, A&A, 559, A58, "BL Lacertae Identifications in a ROSAT-selected Sample of Fermi Unidentified Objects"

Mason, E., et al. 2013, MNRAS, 436, 212, "On the Nature of CP Pup"

Meschin, I., et al. 2014, MNRAS, 438, 1067, "Spatially Resolved LMC Star Formation History - I. Outside in Evolution of the Outer LMC disc"

Mineo, S., et al. 2014, ApJ, 780, 132, "The Radial Distribution of X-ray Binaries and Globular Clusters in NGC 4649 and Their Relation with the Local Stellar Mass Density"

Monroe, T.R., Pilachowski, C.A., Rebull, L., 2013, ASP Conf. 472, eds. M. Chavez, E. Bertone, O. Vega, V. de la Luz (ASP), 111, "Metallicities of Solar-Type Stars in Young Open Clusters"

Morgan, A.N., et al. 2014, MNRAS, 440, 1810, "Evidence for Dust Destruction from the Early-Time Colour Change of GRB 120119A"

Morii, M., et al. 2013, ApJ, 779, 118, "Extraordinary Luminous Soft X-ray Transient MAXI J0158-744 as an Ignition of a Nova on a Very Massive O-Ne White Dwarf"

Mužić, K., et al. 2014, ApJ, 785, 159, "Substellar Objects in Nearby Young Clusters (SONYC). VIII. Substellar Population in Lupus 3"

Nicholls, D.C., et al. 2014, ApJ, 786, 155, "Metal-Poor Dwarf Galaxies in the SIGRID Galaxy Sample. I. H II Region Observations and Chemical Abundances"

Nicholls, D.C., Jerjen, H., Dopita, M.A., Basurah, H. 2014, ApJ, 790, 88, "Nebular Metallicities in Two Isolated Local Void Dwarf Galaxies"

Nidever, D.L., et al. 2013, ApJ, 779, 145, "A Tidally Stripped Stellar Component of the Magellanic Bridge"

Norris, M.A., et al. 2014, MNRAS, 443, 1151, "The AIMSS Project—I. Bridging the Star Cluster-Galaxy Divide"

Pan, Z., Kong, X., Fan, L. 2014, ApJ, 776, 14, "Green Galaxies in the COSMOS Field"

Parisi, M.C., et al. 2014, AJ, 147, 71, "Age Determination of 15 Old to Intermediate-Age Small Magellanic Cloud Star Clusters"

Park, H., et al. 2013, ApJ, 778, 134, "Gravitational Binary-Lens Events with Prominent Effects of Lens Orbital Motion"

Park, H., et al. 2014 ApJ, 787, 71, "OGLE-2012-BLG-0455/MOA-2012-BLG-206: Microlensing Event with Ambiguity in Planetary Interpretations Caused by Incomplete Coverage of Planetary Signal"

Phillips, M.M., et al. 2013, ApJ, 779, 38, "On the Source of the Dust Extinction in Type Ia Supernovae and the Discovery of Anomalously Strong Na I Absorption"

Piatti, A.E. 2014, MNRAS, 440, 3091, "Disentangling the Physical Reality of Star Cluster Candidates Projected towards the Inner Disc of the Large Magellanic Cloud"

Placco, V.M., ... **Beers, T.C.**, et al. 2014, ApJ, 781, 40, "Metal-Poor Stars Observed with the Magellan Telescope. II. Discovery of Four Stars with  $[Fe/H] \leq -3.5$ "

Plazas, A.A., Bernstein, G.M., Sheldon, E.S. 2014, JInst, 9C4001P, "Transverse Electric Fields' Effects in the Dark Energy Camera CCDs"

Prieto, J.L., ... **Matheson, T.**, ... **James, D.**, ... **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"

Puzia, T.H., et al. 2014, ApJ, 786, 78, "Wide-Field Hubble Space Telescope Observations of the Globular Cluster System in NGC 1399"

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"



- Rahoui, F., et al. 2014, A&A, 568, A54, "Near-Infrared Spectroscopy of 20 New Chandra Sources in the Norma Arm"
- Ramos Almeida, C., et al. 2013, MNRAS, 436, 997, "The Environments of Luminous Radio Galaxies and Type-2 Quasars"
- Rauber, A.B., Copetti, M.V.F., Krabbe, A.C. 2014, A&A, 563, A42, "Spectroscopic Mapping of the Planetary Nebula NGC 6302"
- Rawle, T.D., et al. 2014, MNRAS, 442, 196, "Star Formation in the Massive Cluster Merger Abell 2744"
- Rest, A., et al. 2014, IAU Symp., eds. A. Ray, R.A. McCray (Cambridge University Press), 296, 126, "Light Echoes of Historic Transients"
- Ribeiro, A.O., et al. 2014, P&SS, 92, 57, "The First Confirmation of V-Type Asteroids among the Mars Crosser Population"
- Riedel, A.R., et al. 2014, AJ, 147, 85, "The Solar Neighborhood. XXXIII. Parallax Results from the CTIOPI 0.9 m Program: Trigonometric Parallaxes of Nearby Low-Mass Active and Young Systems"
- Romero, A.D., et al. 2013, ApJ, 779, 58, "Asteroseismological Study of Massive ZZ Ceti Stars with Fully Evolutionary Models"
- Salaris, M., et al. 2013, A&A, 559, A57, "The Horizontal Branch of the Sculptor Dwarf Galaxy"
- Santos, F.P., et al. 2014, ApJ, 783, 1, "Optical/Near-Infrared Polarization Survey of Sh 2-29: Magnetic Fields, Dense Cloud Fragmentations, and Anomalous Dust Grain Sizes"
- Scalzo, R., et al. 2014, MNRAS, 440, 1498, "Type Ia Supernova Bolometric Light Curves and Ejected Mass Estimates from the Nearby Supernova Factory"
- Sheng, Zhen-Ya, et al. 2014, MNRAS, 439, 1101, "Ly $\alpha$  Equivalent Width Distribution of Ly $\alpha$  Emitting Galaxies at Redshift  $z \sim 4.5$ "
- Shivvers, I., Bloom, J.S., Richards, J.W. 2014, MNRAS, 441, 343, "The Highly Eccentric Detached Eclipsing Binaries in ACVS and MACC"
- Stadnik, M., Romani, R.W. 2014, ApJ, 784, 151, "Imaging Redshift Estimates of Fermi BL Lac Objects"
- Stephens, I.W., et al. 2014, ApJ, 784, 147, "Spitzer Observations of Dust Emission from H II Regions in the Large Magellanic Cloud"

Stocke, J.T., et al. 2014, ApJ, 791, 128, "Absorption-Line Detections of  $10^5$ - $10^6$  K Gas in Spiral-Rich Groups of Galaxies"

Strader, J., et al. 2014, ApJL, 788, L27, "1FGL J0523.5-2529: A New Probable Gamma-ray Pulsar Binary"

Stritzinger, M.D., et al. 2014, A&A, 561, A146, "Optical and Near-IR Observations of the Faint and Fast 2008ha-Like Supernova 2010ae"

Suenaga, T., et al. 2014, PASJ, 66, 33, "Multi-object and Long-Slit Spectroscopy of Very Low Mass Brown Dwarfs in the Orion Nebular Cluster"

Surina, F., et al. 2014, AJ, 147, 107, "A Detailed Photometric and Spectroscopic Study of the 2011 Outburst of the Recurrent Nova T Pyxidis from 0.8 to 250 Days after Discovery"

Sweet, S.M., et al. 2014, ApJ, 782, 35, "Choirs H I Galaxy Groups: The Metallicity of Dwarf Galaxies"

Sweet, S.M., et al. 2014, ApJ, 786, 75, "Erratum: 'Choirs H I Galaxy Groups: The Metallicity of Dwarf Galaxies'"

Takáts, K., et al. 2014, MNRAS, 438, 368, "SN 2009N: Linking Normal and Subluminous Type II-P SNe"

Tang, S., et al. 2014, ApJ, 786, 61, "An Accreting White Dwarf Near the Chandrasekhar Limit in the Andromeda Galaxy"

Taranu, D., et al. 2014, MNRAS, 440, 1934, "Quenching Star Formation in Cluster Galaxies"

Thorat, K., Saripalli, L., Subrahmanyam, R. 2013, MNRAS, 434, 2877, "Environments of Extended Radio Sources in the Australia Telescope Low-Brightness Survey"

**Tokovinin, A.** 2014, AJ, 147, 86, "From Binaries to Multiples. I. Data on F and G Dwarfs within 67 pc of the Sun"

**Tokovinin, A.** et al. 2013, PASP, 125, 1336, "CHIRON—A Fiber Fed Spectrometer for Precise Radial Velocities"

**Tokovinin, A.,** Mason, B.D., Hartkopf, W.I. 2014, AJ, 147, 123, "Speckle Interferometry at SOAR in 2012 and 2013"

Tomsick, J.A. 2014, ApJ, 785, 4, "NuSTAR J163433-4738.7: A Fast X-ray Transient in the Galactic Plane"

Torres, M.A.P., et al. 2014, MNRAS, 440, 365, "Identification of 23 Accreting Binaries in the Galactic Bulge Survey"

Traulsen, I., et al. 2014, A&A, 562, A42, "Phase-Resolved X-ray Spectroscopy and Spectral Energy Distribution of the X-ray Soft Polar RS Caeli"

Trujillo, C.A., Sheppard, S.S. 2014, Natur, 507, 471, "A Sedna-Like Body with a Perihelion of 80 Astronomical Units"

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

Tsapras, Y., et al. 2014, ApJ, 781, 48, "A Super-Jupiter Orbiting a Late-Type Star: A Refined Analysis of Microlensing Event OGLE-2012-BLG-0406"

Utsumi, Y., et al. 2014, ApJ, 786, 93, "Reducing Systematic Error in Weak Lensing Cluster Surveys"

Vaduvescu, O., et al. 2014, A&A, 535, A118, "Searching for Star-Forming Dwarf Galaxies in the Antila Cluster"

**Valdes, F.**, Gruendl, R., DES Project. 2014, ASP Conf. 485, eds. G. Maset, P. Forshay (ASP), 379, "The DECam Community Pipeline"

Van der Horst, A.J., et al. 2013, MNRAS, 436, 2625, "Broad-Band Monitoring Tracing the Evolution of the Jet and Disc in the Black Hole Candidate X-ray Binary MAXI J1659-152"

VandenBerg, D.A., et al. 2014, ApJ, 792, 110, "Three Ancient Halow Subgiants: Precise Parallaxes, Compositions, Ages, and Implications for Globular Clusters"

Vanderbeke, J., et al. 2014, MNRAS, 437, 1734, "G2C2—I. Homogeneous Photometry for Galactic Globular Clusters in SDSS Passbands"

Vardanyan, V., Weedman, D., Sargsyan, L. 2014, ApJ, 790, 88, "Seeking the Epoch of Maximum Luminosity for Dusty Quasars"

Viaux, N., et al. 2013, A&A, 558, A12, "Particle-Physics Constraints from the Globular Cluster M5: Neutrino Dipole Moments"

**Vivas, A.K.**, Mateo, M. 2014, AJ, 146, 141, "A Comprehensive, Wide-Field Study of Pulsating Stars in the Carina Dwarf Spheroidal Galaxy"

Wang, S., Ma, J., Wu, Z., Zhou, X. 2014, AJ, 148, 4, "New 2MASS Near-Infrared Photometry for Globular Clusters in M31"

Werner, N., et al. 2014, MNRAS, 439, 2291, "The Origin of Cold Gas in Giant Elliptical Galaxies and Its Role in Fuelling Radio-Mode AGN Feedback"

Willis, S., ... **Allen, L.**, et al. 2013, ApJ, 778, 96, "A Wide-Field Near- and Mid-infrared Census of Young Stars in NGC 6334"

Winkler, P.F., et al. 2014, ApJ, 781, 65, "A High-Resolution X-Ray and Optical Study of SN 1006: Asymmetric Expansion and Small-Scale Structure in a Type Ia Supernova Remnant"

Wittman, D., Dawson, W., Benson, B. 2014, MNRAS, 437, 3578, "Shedding Light on the Matter of Abell 781"

Yang, H., et al. 2014, ApJ, 784, 35, "A  $z \sim 5.7$  Ly $\alpha$  Emission Line with an Ultrabroad Red Wing"

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Zheng, Z.-Y., et al. 2014, MNRAS, 439, 1101, "Ly $\alpha$  Equivalent Width Distribution of Ly $\alpha$  Emitting Galaxies at Redshift  $z \sim 4.5$ "

<sup>1</sup> SOAR and SMARTS data may have resulted from time allocated by other than the NOAO TAC.