



FY16 NOAO Publication Lists

NOAO Scientific and Technical Staff Refereed and Non-refereed Publications

Notes

- Names of NOAO scientific and technical staff are in boldface.
- The ADS bibcodes are live links to the relevant ADS records.

Scientific Staff

Abbott, T.M.C.

- Abbott, B.P., ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Matheson, T.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJS, 225, 8, Supplement: Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914 (2016, ApJL, L13), [2016ApJS..225...8A](#)
- Abbott, T.M.C.**, **Walker, A.R.**, **Points, S.D.**, **James, D.J.**, **Gregory, B.**, **Tighe, R.**, **David, N.**, **Parkes, E.**, **Cantarutti, R.**, **Warner, M.**, **Estay, O.**, **Martínez, M.**, **Bonati, M.**, **Bustos, E.**, **Montané, A.**, **Muñoz, F.**, **Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, PhRvD, 94, 2001, Cosmology from cosmic shear with Dark Energy Survey Science Verification data, [2016PhRvD..94b2001A](#)
- Balbinot, E., ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, **Walker, A.R.**, et al. 2016, ApJ, 820, 58, The Phoenix Stream: A Cold Stream in the Southern Hemisphere, [2016ApJ...820...58B](#)
- Becker, M.R., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, **Walker, A.R.**, et al. 2016, PhRvD, 2016, 94, 2002, Cosmic Shear Measurements with Dark Energy Survey Science Verification Data, [2016PhRvD..94b2002B](#)
- Comparat, J., ... **Abbott, T. M. C.**, ... **James, D. J.**, ... **Walker, A. R.**, et al. 2016, A&A, 592, A121, SDSS-IV eBOSS emission-line galaxy pilot survey, [2016A&A...592A.121C](#)
- Cowperthwaite, P. S., ... **Matheson, T.**, ... **Walker, A.R.**, ... **Abbott, T. M. C.**, ... **Smith, R. C.**, et al. DES Collaboration. 2016, ApJ, 826, 29, A DECam Search for an Optical Counterpart to the LIGO Gravitational-wave Event GW151226, [2016ApJ...826L..29C](#)
- Crocce, M., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 455, 4301, Galaxy Clustering, Photometric Redshifts and Diagnosis of Systematics in the DES Science Verification Data, [2016MNRAS.455.4301C](#)
- Dark Energy Survey Collaboration, **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 460, 1270, The Dark Energy Survey: More than Dark Energy - An Overview, [2016MNRAS.460.1270D](#)
- Flaugher, B., ... **Abbott, T.M.C.**, et al. 2015, AJ, 150, 150, "The Dark Energy Camera, [2015AJ...150..150F](#)
- Gerdes, D.W., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, AJ, 151, 33, Observation of Two New L4 Neptune Trojans in the Dark Energy Survey Supernova Fields, [2016AJ...151...39G](#)
- Giannantonio, T., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, 456, 3213, CMB Lensing Tomography with the DES Science Verification Galaxies, [2016MNRAS.456.3213G](#)
- Gruen, D., ... **Abbott, T.M.C.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 455, 3367, Weak Lensing by Galaxy Troughs in DES Science Verification data, [2016MNRAS.455.3367G](#)

- Jarvis, M., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 460, 2245, The DES Science Verification Weak Lensing Shear Catalogues, [2016MNRAS.460.2245J](#)
- Li, T.S., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **Smith, R.C.**, et al. 2016, AJ, 151, 157, Assessment of Systematic Chromatic Errors that Impact Sub-1% Photometric Precision in Large-area Sky Surveys, [2016AJ....151..157L](#)
- Luque, E., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 458, 603, Digging Deeper into the Southern Skies: A Compact Milky Way Companion Discovered in First-year Dark Energy Survey Data, [2016MNRAS.458..603L](#)
- McDonald, M., ... **Zenteno, A.** 2016, ApJ, 817, 86, "Star-Forming Brightest Cluster Galaxies At $0.25 < z < 1.25$: A Transitioning Fuel Supply, [2016ApJ...817...86M](#)
- Melchior, P., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, A&C, 16, 99, Crowdsourcing Quality Control for Dark Energy Survey Images, [2016A&C....16...99M](#)
- Nord, B., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJ, 827, 51, Observation and Confirmation of Six Strong-lensing Systems in the Dark Energy Survey Science Verification Data, [2016ApJ...827...51N](#)
- Pieres, A.,... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.** 2016, MNRAS, 461, 519, Physical properties of star clusters in the outer LMC as observed by the DES, [2016MNRAS.461..519P](#)
- Poci, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.** et al. 2016, PASA, 33, 49, DESAlert: Enabling Real-Time Transient Follow-Up with Dark Energy Survey Data, [2016PASA...33...49P](#)
- Rykoff, E.S., ... **Abbott, T.M.C.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJS, 224, 1, The RedMaPPer Galaxy Cluster Catalog From DES Science Verification Data, [2016ApJS..224....1R](#)
- Saro, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, ... **Zenteno, A.** 2016, AJ, 151, 159, Constraints on the Richness–mass Relation and the Optical-SZE Positional Offset Distribution for SZE-Selected Clusters, [2015MNRAS.454.2305S](#)
- Smith, M., ... **Smith, R.C.**, ... **Zenteno, A.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Walker, A.R.**, et al. 2016, ApJ, 818, 8, "DES14X3taz: A Type I Superluminous Supernova Showing A Luminous, Rapidly Cooling Initial Pre-Peak Bump, [2016ApJ...818L...8S](#)
- Soares-Santos, M., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Matheson, T.**, ... **Smith, R.C.**, et al. 2016, ApJ, 823, 33, A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914, [2016ApJ...823L..33S](#)
- Suchyta, E., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 457, 786, No Galaxy Left Behind: Accurate Measurements with the Faintest Objects in the Dark Energy Survey, [2016MNRAS.457..786S](#)

Abt, Helmut

- Abt, H. A.** 2016, PASP, 128, 094501, At What Ages Did Astronomers Write Their Most Important Papers? [2016PASP..128i4501A](#)
- Abt, H. A.** 2015, PASP, 127, 1218, Hot Gaseous Stellar Disks Avoid Regions of Low Interstellar Densities, [2015PASP..127.1218A](#)
- Willmarth, D. W.**, ... **Abt, H. A.**, et al. 2016, AJ, 152, 46, Spectroscopic Orbits for 15 Late-type Stars, [2016AJ....152...46W](#)

Allen, L.E.

- Adams, J.D., ... **Allen, L.**, et al. 2015, ApJ, 814, 54, SOFIA/FORCAST Observations of Warm Dust in S106: A Fragmented Environment, [2015ApJ...814...54A](#)
- Dey, A.**, ... **Sprayberry, D.**, **Valdes, F.**, **Stupak, B.**, **Donaldson, J.**, **Abareshi, B.**, **Marshall, B.**, ... **Fitzpatrick, M.**, ... **Joyce, D.**, ... **Schweiker, H.**, **Allen, L.**, **Blum, B.**, et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.
- Furlan, E., ... **Allen, L.** 2016, ApJS, 224, 5, The Herschel Orion Protostar Survey: Spectral Energy Distributions and Fits Using a Grid of Protostellar Models, [2016ApJS..224....5F](#)

- Megeath, S.T., ... **Allen, L.**, et al. 2016, AJ, 151, 5, The Spitzer Space Telescope Survey of the Orion A and B Molecular Clouds. II. The Spatial Distribution and Demographics of Dusty Young Stellar Objects, [2016AJ...151...5M](#)
- Pokhrel, R., ... **Allen, L.**, et al. 2016, MNRAS, 461, 22, A Herschel-SPIRE survey of the Mon R2 giant molecular cloud: analysis of the gas column density probability density function, [2016MNRAS.461...22P](#)
- Rebull, L.M., **Allen, L.** 2015, AJ, 150, 175, YSOVAR: Mid-infrared Variability in NGC 1333, [2015AJ...150..175R](#)

Blum, R.D.

- Barbosa, C. L., **Blum, R. D.**, Daminieli, A., Conti, P. S., Gusmão, D. M., 2016, ApJ, 825, 54, A Mid-Infrared View of the High Mass Star Formation Region W51A, [2016ApJ...825...54B](#)
- Dey, A.**, ... **Sprayberry, D.**, **Valdes, F.**, **Stupak, B.**, **Donaldson, J.**, **Abareshi, B.**, **Marshall, B.**, ... **Fitzpatrick, M.**, ... **Joyce, D.**, ... **Schweiker, H.**, **Allen, L.**, **Blum, B.**, et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.
- Vivas, A.K.**, **Olsen, K.**, **Blum, R.**, ... **Walker, A.R.**, ... **Kaleida, C.C.**, ... **Saha, A.**, et al. 2016, AJ, 151, 118, Variable Stars in the Field of the Hydra II Ultra-faint Dwarf Galaxy, [2016AJ...151..118V](#)

Bolton, A.S.

- Fitzpatrick, M.**, **Graham, M.**, **Olsen, K.**, **Mighell, K.**, **Norris, P.**, **Ridgway, S.**, **Stobie, E.**, and **Bolton, A.** 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791
- Graham, M.**, **Fitzpatrick, M.**, **Norris, P.**, **Mighell, K.**, **Olsen, K.**, **Ridgway, S.**, **Stobie, E.**, **Bolton, A.**, **Saha, A.**, and **Huang, L.** 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306
- Montero-Dorta, A. D., **Bolton, A. S.**, et al. 2016, MNRAS, 461, 1131, The high-mass end of the red sequence at $z \sim 0.55$ from SDSS-III/BOSS: completeness, bimodality and luminosity function, [2016MNRAS.461.1131M](#)
- Shu, Y., **Bolton, A.S.**, et al. 2016, ApJ, 824, 86, The BOSS Emission-line Lens Survey. III. Strong Lensing of Ly α Emitters by Individual Galaxies, [2016ApJ...824...86S](#)

Briceño, C.

- Fernandez-Trincado, J. G., ... **Vivas, A. K.**, **Briceño, C.**, et al. 2015, SF2A-2015: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics. Eds., F. Martins, S. Boissier, V. Buat, L. Cambrésy, P. Petit, 13, Mapping optically variable quasars towards the Galactic plane, [2015sf2a.conf...13F](#)
- Maucó, K., ... **Briceño, C.**, et al. 2006, ApJ, 829, 38, A Herschel View of Protoplanetary Disks in the σ Ori Cluster, [2016ApJ...829...38M](#)
- Pech, G., ... **Briceño, C.**, et al. 2016, ApJ, 818, 116, The Gould's Belt Very Large Array Survey. V. The Perseus Region, [2016ApJ...818..116P](#)
- Raetz, S. ... **Briceño, C.**, et al. 2016, MNRAS, 460, 2834, YETI observations of the young transiting planet candidate CVSO 30 b, [2016MNRAS.460.2834R](#)
- Schmidt, T. O. B., ... **Briceño, C.**, et al. 2016, A&A, 593, A75, Direct Imaging discovery of a second planet candidate around the possibly transiting planet host CVSO 30, [2016A&A...593A..75S](#)

Calamida, A.

- Kains, N., Bramich, D.M., Sahu, K.C., **Calamida, A.** 2016, MNRAS, 460, 2025, Searching for Intermediate-Mass Black Holes in Globular Clusters with Gravitational Microlensing, [2016MNRAS.460.2025K](#)

Dey, A.D.

- Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D. 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087
- Alberts, S., ... **Dey, A.**, et al. 2016, ApJ, 825, 72, Star Formation and AGN Activity in Galaxy Clusters from $z=1-2$: a Multi-Wavelength Analysis Featuring Herschel/PACS, [2016ApJ...825...72A](#)
- Dey, A.**, ... **Inami, H.**, **Hong, S.**, et al. 2016, ApJ, 823, 11, Spectroscopic Confirmation of a Protocluster at $z \approx 3.786$, [2016ApJ...823...11D](#)
- Dey, A., ... Sprayberry, D., Valdes, F., Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick, M., ... Joyce, D., ... Schweiker, H., Allen, L., Blum, B., et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.
- Fagrelius, P., ... **Dey, A.**, ... Marshall, R., Probst, R., ... Sprayberry, D., et al. 2016, "ProtoDESI: Risk Reduction Experiment for the Dark Energy Spectroscopic Instrument," SPIE 9908, 296. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99087X. (August 09, 2016) doi: 10.1117/12.2231760
- Finkelstein, K.D., ... **Dey, A.**, et al. 2015, ApJ, 813, 78, Probing the Physical Properties of $z = 4.5$ Lyman Alpha Emitters with Spitzer, [2015ApJ...813...78F](#)
- Hong, S.**, ... **Dey, A.**, et al. 2016, MNRAS, 459, 2690, Discriminating topology in galaxy distributions using network analysis, [2016MNRAS.459.2690H](#)
- Shu, Y., ... **Dey, A.**, et al. 2016, ApJ, 820, 43, Kiloparsec Mass/Light Offsets in the Galaxy Pair-Ly α Emitter Lens System SDSS J1011+0143, [2016ApJ...820...43S](#)

Dickinson, M.E.

- Castellano, M., ... **Dickinson, M.**, et al. 2016, ApJ, 818, 3, First Observational Support for Overlapping Reionized Bubbles Generated by a Galaxy Overdensity, [2016ApJ...818L...3C](#)
- Erfanianfar, G., ... **Dickinson, M.**, et al. 2016, MNRAS, 455, 2839, Non-linearity and environmental dependence of the star-forming galaxies main sequence, [2016MNRAS.455.2839E](#)
- Forrest, B., ... **Dickinson, M.**, ... **Inami, H.**, et al. 2016, ApJ, 818, 26, UV to IR Luminosities and Dust Attenuation Determined from ~ 4000 K-selected Galaxies at $1 < z < 3$ in the ZFOURGE, [2016ApJ...818L..26F](#)
- Mullaney, J.R., ... **Dickinson, M.**, et al. 2015, MNRAS, 453, 83, ALMA and Herschel reveal that X-ray-selected AGN and main-sequence galaxies have different star formation rate distributions, [2015MNRAS.453L..83M](#)
- Skidmore, W., TMT International Science Development Teams, Science Advisory Committee, 2015, RAA, 15, 1945, Thirty Meter Telescope Detailed Science Case: 2015, [2015RAA....15.1945S](#)
- Song, M., ... **Dickinson, M.**, et al. 2016, ApJ, 825, 5, The Evolution of the Galaxy Stellar Mass Function at $z = 4-8$: A Steepening Low-mass-end Slope with Increasing Redshift, [2016ApJ...825....5S](#)
- Tomczak, A.R., ... **Dickinson, M.**, ... **Inami, H.**, et al. 2016, ApJ, 817, 118, The SFR-M* Relation and Empirical Star-Formation Histories from ZFOURGE* at $0.5 < z < 4$, [2016ApJ...817..118T](#)
- U, V., ... **Dickinson, M.**, et al. 2015, ApJ, 815, 57, A Correlation between Ly α Spectral Line Profile and Rest-frame UV Morphology, [2015ApJ...815...57U](#)

Dong, H.

- Dalcanton, J.J., ... **Dong, H.**, ... **Lauer, T.**, et al. 2015, ApJ, 814, 3, The Panchromatic Hubble Andromeda Treasury. VIII. A Wide-area, High-resolution Map of Dust Extinction in M31, [2015ApJ...814....3D](#)
- Dong, H.**, **Lauer, T.R.**, **Olsen, K.A.G.**, **Saha, A.**, et al. 2016, MNRAS, 459, 2262, High-resolution mapping of dust via extinction in the M31 bulge, [2016MNRAS.459.2262D](#)

Everett, M.E.

- Appourchaux, T., **Everett, M.**, et al. 2015, A&A, 582, A25, A seismic and gravitationally bound double star observed by Kepler. Implication for the presence of a convective core, [2015A&A...582A..25A](#)
- Crossfield, I. J. M., ... **Everett, M.**, et al. 2016, ApJS, 226, 7, 197 Candidates and 104 Validated Planets in K2's First Five Fields, [2016ApJS..226....7C](#)
- Endl, M., ... **Everett, M.E.**, et al. 2016, ApJ, 818, 34, Two New Long-period Giant Planets from the McDonald Observatory Planet Search and Two Stars with Long-period Radial Velocity Signals Related to Stellar Activity Cycles, [2016ApJ...818...34E](#)
- Hartman, J.D., ... **Everett, M.E.**, et al. , HAT-P-50b, HAT-P-51b, HAT-P-52b, and HAT-P-53b: Three Transiting Hot Jupiters and a Transiting Hot Saturn From the HATNet Survey, [2015AJ....150..168H](#)
- Horch, E.P., ... **Everett, M.E.**, et al. 2015, AJ, 150, 151, Observations of Binary Stars with the Differential Speckle Survey Instrument. VI. Measures during 2014 at the Discovery Channel Telescope, [2015AJ....150..151H](#)
- Howell, S. B., **Everett, M. E.**, et al. 2016, ApJ, 829, 2, Speckle Imaging Excludes Low-mass Companions Orbiting the Exoplanet Host Star TRAPPIST-1, [2016ApJ...829L...2H](#)
- Howell, S.B., ... **Everett, M.E., Silva, D.R.**, et al. 2016, AJ, 151, 43, Variability of Kepler Solar-like Stars Harboring Small Exoplanets, [2016AJ....151...43H](#)
- Teske, J.K., **Everett, M.E.**, et al. 2015, AJ, 150, 144, A Comparison of Spectroscopic versus Imaging Techniques for Detecting Close Companions to Kepler Objects of Interest, [2015AJ....150..144T](#)

Gregory, B.

- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Harbeck, D.

- Gopu, A., ... **Harbeck, D.** 2016, 9913, 53. Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131H (August 8, 2016); doi:10.1117/12.2233111
- Gopu, A., ... **Harbeck, D.** 2016. TRIDENT: scalable compute archive, visualization, and analysis systems
Hinkle, K.H.
- Gałań, C., Mikołajewska, J., **Hinkle, K. H., Joyce, R. R.** 2015, EAS, 71, 197, Chemical Abundances of Symbiotic Giants, [2015EAS...71..197G](#)
- Gałań, C., Mikołajewska, J., **Hinkle, K. H., Joyce, R. R.** 2015, EAS, 71, 197, Chemical Abundances of Symbiotic Giants, [2015EAS...71..197G](#)
- Hinkle, K. H.**, Lebzelter, T., Straniero, O. 2016, ApJ, 825, 38, Carbon and Oxygen Isotopic Ratios for Nearby Miras, [2016ApJ...825...38H](#)
- Hinkle, K. H.**, Lebzelter, T. 2015, EAS, 71, 249, The MOLspheres of Mira Variables, [2015EAS...71..249H](#)
- Uttenthaler, S., ... **Joyce, R.R., K. Hinkle**, et al. 2016, A&A, 585, A125, LX Cygni: A carbon star is born, [2016A&A...585A.145U](#)

Hong, S.

- Dey, A.**, ... **Inami, H., Hong, S.**, et al. 2016, ApJ, 823, 11, Spectroscopic Confirmation of a Protocluster at $z \approx 3.786$, [2016ApJ...823...11D](#)
- Hong, S.**, ... **Dey, A.**, et al. 2016, MNRAS, 459, 2690, Discriminating topology in galaxy distributions using network analysis, [2016MNRAS.459.2690H](#)

Inami, H.

- Dey, A., ... Inami, H., Hong, S., et al.** 2016, ApJ, 823, 11, Spectroscopic Confirmation of a Protocluster at $z \approx 3.786$, [2016ApJ...823...11D](#)
- Forrest, B., ... **Dickinson, M., ... Inami, H., et al.** 2016, ApJ, 818, 26, UV to IR Luminosities and Dust Attenuation Determined from ~ 4000 K-selected Galaxies at $1 < z < 3$ in the ZFOURGE, [2016ApJ...818L..26F](#)
- Kartaltepe, J.S., ... Pforr, J., ... Inami, H., et al.** 2015, ApJS, 221, 11, CANDELS Visual Classifications: Scheme, Data Release, and First Results, [2015ApJS..221...11K](#), KPNO REU students: Blancato; O'Leary
- Privon, G.C., ... **Inami, H., et al.** 2015, ApJ, 814, 39, Excitation Mechanisms for HCN (1-0) and HCO⁺ (1-0) in Galaxies from the Great Observatories All-Sky LIRG Survey, [2015ApJ...814...39P](#)
- Shivaei, I., ... **Inami, H.** 2016, ApJ, 820, 23, The MOSDEF Survey: The Strong Agreement between H α and UV-to-FIR Star Formation Rates for $z \sim 2$ Star-forming Galaxies, [2016ApJ...820L..23S](#)
- Skidmore, W., TMT International Science Development Teams, Science Advisory Committee, 2015, RAA, 15, 1945, Thirty Meter Telescope Detailed Science Case: 2015, [2015RAA....15.1945S](#)
- Toba, Y., ... **Inami, H., et al.** 2015, PASJ, 67, 86, Hyper-Luminous Dust-Obscured Galaxies Discovered by the Hyper Suprime-Cam on Subaru and WISE, [2015PASJ...67...86T](#)
- Tomczak, A.R., ... **Dickinson, M., ... Inami, H., et al.** 2016, ApJ, 817, 118, The SFR-M* Relation and Empirical Star-Formation Histories from ZFOURGE* at $0.5 < z < 4$, [2016ApJ...817..118T](#)
- Zhao, Y., ... **Inami, H., et al.** 2016, ApJ, 820, 118, ALMA Imaging of the CO (6-5) Line Emission in NGC 7130*, [2016ApJ...820..118Z](#)

James, D.J.

- Abbott, B.P., ... **Abbott, T.M.C., ... James, D.J., ... Matheson, T., ... Smith, R.C., ... Walker, A.R., et al.** 2016, ApJS, 225, 8, Supplement: Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914 (2016, ApJL, L13), [2016ApJS..225...8A](#)
- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Abbott, T., ... James, D.J., ... Smith, R.C., ... Walker, A.R., et al.** 2016, PhRvD, 94, 2001, Cosmology from cosmic shear with Dark Energy Survey Science Verification data, [2016PhRvD..94b2001A](#)
- Balbinot, E., ... **Abbott, T.M.C., ... James, D.J., ... Smith, R.C., Walker, A.R., et al.** 2016, ApJ, 820, 58, The Phoenix Stream: A Cold Stream in the Southern Hemisphere, [2016ApJ...820...58B](#)
- Becker, M.R., ... **Abbott, T., ... James, D.J., ... Smith, R.C., Walker, A.R., et al.** 2016, PhRvD, 2016, 94, 2002, Cosmic Shear Measurements with Dark Energy Survey Science Verification Data, [2016PhRvD..94b2002B](#)
- Comparat, J., ... **Abbott, T. M. C., ... James, D. J., ... Walker, A. R., et al.** 2016, A&A, 592, A121, SDSS-IV eBOSS emission-line galaxy pilot survey, [2016A&A...592A.121C](#)
- Crocce, M., ... **Abbott, T., ..., James, D.J., ... Smith, R.C., ... Walker, A.R., et al.** 2016, MNRAS, 455, 4301, Galaxy Clustering, Photometric Redshifts and Diagnosis of Systematics in the DES Science Verification Data, [2016MNRAS.455.4301C](#)
- Dark Energy Survey Collaboration, **Abbott, T., ... James, D., ... Smith, R.C., ... Walker, A.R., et al.** 2016, MNRAS, 460, 1270, The Dark Energy Survey: More than Dark Energy - An Overview, [2016MNRAS.460.1270D](#)
- Gerdes, D.W., ... **Abbott, T., ..., James, D.J., ... Smith, R.C., ... Walker, A.R., et al.** 2016, AJ, 151, 33, Observation of Two New L4 Neptune Trojans in the Dark Energy Survey Supernova Fields, [2016AJ....151...39G](#)
- Giannantonio, T., ... **Abbott, T., ..., James, D.J., ... Smith, R.C., ... Walker, A.R., et al.** 2016, 456, 3213, CMB Lensing Tomography with the DES Science Verification Galaxies, [2016MNRAS.456.3213G](#)
- James, D.J., et al.** 2016, MNRAS, 459, 1363, Fundamental Stellar Parameters for Selected T-Tauri Stars in the Chamaeleon and Rho Ophiuchus Star-Forming Regions, [2016MNRAS.459.1363J](#)
- Jarvis, M., ... **Abbott, T., ... James, D.J., ... Smith, R.C., ... Walker, A.R., et al.** 2016, MNRAS, 460, 2245, The DES Science Verification Weak Lensing Shear Catalogues, [2016MNRAS.460.2245J](#)

- Luque, E., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 458, 603, Digging Deeper into the Southern Skies: A Compact Milky Way Companion Discovered in First-year Dark Energy Survey Data, [2016MNRAS.458.603L](#)
- Nord, B., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJ, 827, 51, Observation and Confirmation of Six Strong-lensing Systems in the Dark Energy Survey Science Verification Data, [2016ApJ...827...51N](#)
- Pieres, A.,... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.** 2016, MNRAS, 461, 519, Physical properties of star clusters in the outer LMC as observed by the DES, [2016MNRAS.461..519P](#)
- Poci, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.** et al. 2016, PASA, 33, 49, DESAlert: Enabling Real-Time Transient Follow-Up with Dark Energy Survey Data, [2016PASA...33...49P](#)
- Points, S.D.**, **James, D. J.**, **Tighe, R.**, **Montane, A.**, **David, N.**, **Martinez, M.** 2016, A new Cassegrain calibration lamp unit for the Blanco Telescope, Proc. SPIE, 9908, 99082N. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082N. (August 09, 2016) doi: 10.1117/12.2232995
- Saro, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, ... **Zenteno, A.** 2016, AJ, 151, 159, Constraints on the Richness–mass Relation and the Optical-SZE Positional Offset Distribution for SZE-Selected Clusters, [2015MNRAS.454.2305S](#)
- Smith, M., ... **Smith, R.C.**, ... **Zenteno, A.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Walker, A.R.**, et al. 2016, ApJ, 818, 8, "DES14X3taz: A Type I Superluminous Supernova Showing A Luminous, Rapidly Cooling Initial Pre-Peak Bump, [2016ApJ...818L...8S](#)
- Soares-Santos, M., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Matheson, T.**, ... **Smith, R.C.**, et al. 2016, ApJ, 823, 33, A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914, [2016ApJ...823L..33S](#)
- Suchyta, E., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 457, 786, No Galaxy Left Behind: Accurate Measurements with the Faintest Objects in the Dark Energy Survey, [2016MNRAS.457..786S](#)

Joyce, R.R.

- Abareshi, B.**, **Marshall, R.**, **Gott, S.**, **Sprayberry, D.**, **Cantarutti, R.**, **Joyce, R.**, **Williams, D.**, **Probst, R.**, **Reetz, K.**, **Paat, A.**, **Butler, K.**, **Soto, C.**, **Dey, A.**, **Summers, D.** 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087
- Dey, A.**, ... **Sprayberry, D.**, **Valdes, F.**, **Stupak, B.**, **Donaldson, J.**, **Abareshi, B.**, **Marshall, B.**, ... **Fitzpatrick, M.**, ... **Joyce, D.**, ... **Schweiker, H.**, **Allen, L.**, **Blum, B.**, et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope
- Gałań, C., Mikołajewska, J., **Hinkle, K. H.**, **Joyce, R. R.** 2015, EAS, 71, 197, Chemical Abundances of Symbiotic Giants, [2015EAS...71..197G](#)
- Galan, C., Mikołajewska, **Hinkle, K.H.**, **Joyce, R.R.** 2016, MNRAS, 455, 1282, Chemical Abundance Analysis of Symbiotic Giants-- III. Metallicity and CNO Abundance Patterns in 24 Southern Systems, [2016MNRAS.455.1282G](#)
- Uttenhaler, S., ... **Joyce, R.R.**, **K. Hinkle**, et al. 2016, A&A, 585, A125, LX Cygni: A carbon star is born, [2016A&A...585A.145U](#)

Kaleida, C.C.

- Vivas, A.K.**, **Olsen, K.**, **Blum, R.**, ... **Walker, A.R.**, ... **Kaleida, C.C.**, ... **Saha, A.**, et al. 2016, AJ, 151, 118, Variable Stars in the Field of the Hydra II Ultra-faint Dwarf Galaxy, [2016AJ...151..118V](#)

Kartaltepe, J.

- Civano, F., ... **Kartaltepe, J.**, et al. 2016, ApJ, 819, 62, The Chandra Cosmos Legacy Survey: Overview and Point Source Catalog, [2016ApJ...819...62C](#)

Kartaltepe, J.S., ... Pforr, J., ... Inami, H., et al. 2015, ApJS, 221, 11, CANDELS Visual Classifications: Scheme, Data Release, and First Results, [2015ApJS..221...11K](#), KPNO REU students: Blancato; O'Leary
Kocevski, D. D., ... Kartaltepe, J. S., et al. 2015, ApJ, 814, 104, Are Compton-thick AGNs the Missing Link between Mergers and Black Hole Growth? [2015ApJ...814..104K](#)
Peth, M.A., ... Kartaltepe, J.S., et al. 2016, MNRAS, 458, 963, Beyond spheroids and discs: classifications of CANDELS galaxy structure at $1.4 < z < 2$ via principal component analysis, [2016MNRAS.458..963P](#)
Silverman, J. D., ... Kartaltepe, J., et al. 2015, ApJ, 812, L23, A Higher Efficiency of Converting Gas to Stars Pushes Galaxies at $z \sim 1.6$ Well Above the Star-forming Main Sequence, [2015ApJ...812L..23S](#)

Lauer, T.R.

Bagenal, F., ... Lauer, T.R., et al. 2016, Sci, 351, 9045, Pluto's interaction with its space environment: Solar wind, energetic particles, and dust, [2016Sci...351.9045B](#)
Dalcanton, J.J., ... Dong, H., ... Lauer, T., et al. 2015, ApJ, 814, 3, The Panchromatic Hubble Andromeda Treasury. VIII. A Wide-area, High-resolution Map of Dust Extinction in M31, [2015ApJ...814....3D](#)
Dong, H., Lauer, T.R., Olsen, K.A.G., Saha, A., et al. 2016, MNRAS, 459, 2262, High-resolution mapping of dust via extinction in the M31 bulge, [2016MNRAS.459.2262D](#)
Gladstone, G.R., ... Lauer, T.R., et al. 2016, Sci, 351, 8866, The atmosphere of Pluto as observed by New Horizons, [2016Sci...351.8866G](#)
McKinnon, W. B., ... Lauer, T., et al. 2016, Natur, 534, 82, Convection in a Volatile Nitrogen-Ice-Rich Layer Drives Pluto's Geological Vigour, [2016Natur.534...82M](#)
Moore, J.M., ... Lauer, T.R., et al. 2016, Sci, 351, 1284, The geology of Pluto and Charon through the eyes of New Horizons, [2016Sci...351.1284M](#)
Porter, S. B., ... Lauer, T. R., et al. 2016, ApJ, 828, 15, The First High-phase Observations of a KBO: New Horizons Imaging of (15810) 1994 JR₁ from the Kuiper Belt, [2016ApJ...828L..15P](#)
Singer, K. N., ... Lauer, T. R., et al. 2016, LPI, 47, 2276, Pluto's Putative Cryovolcanic Constructs, [2016LPI...47.2276S](#)
Spencer, J. R., ... Lauer, T., et al., 2016, LPI, 47, 2440, The Geology of Pluto and Charon Revealed by New Horizons, [2016LPI...47.2440S](#)
Stern, S.A., ... Lauer, T.R., et al. 2015, Sci, 350, 1815, The Pluto system: Initial results from its exploration by New Horizons, [2015Sci...350.1815S](#)
Weaver, H.R., ... Lauer, T.R., et al. 2016, Sci, 351, 0030, The small satellites of Pluto as observed by New Horizons, [2016Sci...351.0030W](#)

Matheson, T.

Abbott, B.P., ... Abbott, T.M.C., ... James, D.J., ... Matheson, T., ... Smith, R.C., ... Walker, A.R., et al. 2016, ApJS, 225, 8, Supplement: Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914 (2016, ApJL, L13), [2016ApJS..225....8A](#)
Cowperthwaite, P. S., ... Matheson, T., ... Walker, A.R., ... Abbott, T. M. C., ... Smith, R. C., et al. DES Collaboration. 2016, ApJ, 826, 29, A DECam Search for an Optical Counterpart to the LIGO Gravitational-wave Event GW151226, [2016ApJ...826L..29C](#)
Khazov, D., ... Matheson, T. 2016, ApJ, 818, 3, Flash Spectroscopy: Emission Lines from the Ionized Circumstellar Material around <10-day-old Type II Supernovae, [2016ApJ...818....3K](#)
Narayan, G., ... Matheson, T., ... Smith, R.C., ... Zenteno, A., et al. 2016, ApJS, 224, 3, Light Curves of 213 Type Ia Supernovae from the ESSENCE Survey, [2016ApJS..224....3N](#)
Narayan, G., ... Matheson, T., Saha, A., et al. 2016, ApJ, 822, 67, Toward a Network of Faint DA White Dwarfs as High-precision Spectrophotometric Standards, [2016ApJ...822...67N](#)
Rubin, A., ... Matheson, T., et al. 2016ApJ...820...33R, Type II Supernova Energetics and Comparison of Light Curves to Shock-cooling Models, [2016ApJ...820...33R](#)

Saha, A., ... Matheson, T., ... Ridgway, S., ... Zaidi, T., et al., 2016, "ANTARES: progress towards building a 'broker' of time-domain alerts" in [Observatory Operations: Strategies, Processes, and Systems VI], Proc. SPIE 9910, 99100. Proc. SPIE. 9910, Observatory Operations: Strategies, Processes, and Systems VI, 99100F. (July 18, 2016) doi: 10.1117/12.2232095

Soares-Santos, M., ... **Walker, A.R., ... Abbott, T.M.C., ... James, D.J., ... Matheson, T., ... Smith, R.C., et al.** 2016, ApJ, 823, 33, A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914, [2016ApJ...823L..33S](#)

Mighell, K.

Fitzpatrick, M., Graham, M., Olsen, K., Mighell, K., Norris, P., Ridgway, S., Stobie, E., and Bolton, A. 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791

Graham, M., Fitzpatrick, M., Norris, P., Mighell, K., Olsen, K., Ridgway, S., Stobie, E., Bolton, A., Saha, A., and Huang, L. 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306

Najita, J.R.

Ádámkóvics, M., **Najita, J. R.,** Glassgold, A. E. 2016, ApJ, 817, 82, FUV Irradiated Disk Atmospheres: Ly α and the Origin of Hot H $_2$ Emission, [2016ApJ...817...82A](#)

Blevins, S.M., ... **Najita, J.,** et al. 2016, ApJ, 818, 22, Measurements of Water Surface Snow Lines in Classical Protoplanetary Disks, [2016ApJ...818...22B](#)

Kim, K. H., ... **Najita, J.,** et al. 2016, ApJS, 226, 8, The Spitzer Infrared Spectrograph Survey of Protoplanetary Disks in Orion A. I. Disk Properties, [2016ApJS..226....8K](#)

Skidmore, W., TMT International Science Development Teams, Science Advisory Committee, 2015, RAA, 15, 1945, Thirty Meter Telescope Detailed Science Case: 2015, [2015RAA....15.1945S](#)

Watson, D. M., ... **Najita, J.,** 2016, ApJ, 828, 52, Evolution of Mass Outflow in Protostars, [2016ApJ...828...52W](#)

Narayan, G.

Gezari, S., ... **Narayan, G.,** et al. [2015ApJ...815L...5G](#), PS1-10jh Continues to Follow the Fallback Accretion Rate of a Tidally Disrupted Star

Narayan, G., ... Matheson, T., Saha, A., et al. 2016, ApJ, 822, 67, Toward a Network of Faint DA White Dwarfs as High-precision Spectrophotometric Standards, [2016ApJ...822...67N](#)

Narayan, G., ... Matheson, T., ... Smith, R.C., ... Zenteno, A., et al. 2016, ApJS, 224, 3, Light Curves of 213 Type Ia Supernovae from the ESSENCE Survey, [2016ApJS..224....3N](#)

Olsen, K.A.G.

Dong, H., Lauer, T.R., Olsen, K.A.G., Saha, A., et al. 2016, MNRAS, 459, 2262, High-resolution mapping of dust via extinction in the M31 bulge, [2016MNRAS.459.2262D](#)

Fitzpatrick, M., Graham, M., Olsen, K., Mighell, K., Norris, P., Ridgway, S., Stobie, E., and Bolton, A. 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791

Graham, M., Fitzpatrick, M., Norris, P., Mighell, K., Olsen, K., Ridgway, S., Stobie, E., Bolton, A., Saha, A., and Huang, L. 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306

Gregersen, D., **Olsen, K.** 2015, AJ, 150, 189, Panchromatic Hubble Andromeda Treasury. XII. Mapping Stellar Metallicity Distributions in M31, [2015AJ....150..189G](#)

Vivas, A.K., Olsen, K., Blum, R., ... Walker, A.R., ... Kaleida, C.C., ... Saha, A., et al. 2016, AJ, 151, 118, Variable Stars in the Field of the Hydra II Ultra-faint Dwarf Galaxy, [2016AJ...151..118V](#)

Pfarr, J.

Kartaltepe, J.S., ... Pfarr, J., ... Inami, H., et al. 2015, ApJS, 221, 11, CANDELS Visual Classifications: Scheme, Data Release, and First Results, [2015ApJS..221...11K](#), KPNO REU students: Blancato; O'Leary Points, S.D.

Points, S.D.

Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Points, S.D., James, D. J., Tighe, R., Montane, A., David, N., Martinez, M. 2016, A new Cassegrain calibration lamp unit for the Blanco Telescope, Proc. SPIE, 9908, 99082N. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082N. (August 09, 2016) doi: 10.1117/12.2232995

Pompea, S.

Green, R., ..., Pompea, S., ... Smith, M., Walker, C., et al. 2016, IAUTA, Transactions of the IAU, Volume 29A, 549, [2016IAUTA..29..549G](#)

Probst, R.

Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D. 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

Dunlop, P., Probst, R. G., Evatt, M., Reddell, L., Sprayberry, D. 2016. Ethylene glycol contamination effects on first surface aluminized mirrors. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 99063F. (July 27, 2016) doi: 10.1117/12.2233233

Reines, A.E.

Baldassare, V. F., Reines, A. E., et al. 2016, ApJ, 829, 57, Multi-epoch Spectroscopy of Dwarf Galaxies with AGN Signatures: Identifying Sources with Persistent Broad H α Emission, [2016ApJ...829...57B](#)

Hainline, K., Reines, A., Greene, J., Stern, D., Active Galactic Nuclei: what's in a name? Proceedings of a conference held 27 June - 1 July, 2016 in Garching,, Hunting for Infrared Signatures of Supermassive Black Hole Activity in Dwarf Galaxies, [2016agnw.confE..73H](#)

Plotkin, R. M., ... Reines, A. E., et al., 2016, ApJ, 825, 139, The X-Ray Properties of Million Solar Mass Black Holes, [2016ApJ...825..139P](#)

Volonteri, M., Reines, A.E. 2016, ApJ, 820, 6, Inferences on the Relations Between Central Black Hole Mass and Total Galaxy Stellar Mass in the High-redshift Universe, [2016ApJ...820L...6V](#)

Ridgway, S.T.

Fitzpatrick, M., Graham, M., Olsen, K., Mighell, K., Norris, P., Ridgway, S., Stobie, E., and Bolton, A. 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791

Graham, M., Fitzpatrick, M., Norris, P., Mighell, K., Olsen, K., Ridgway, S., Stobie, E., Bolton, A., Saha, A., and Huang, L. 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306

- Haubois, X., ... **Ridgway, S.T.**, et al. 2015, A&A, 582, 71 , Resolving asymmetries along the pulsation cycle of the Mira star X Hydrae, [2015A&A...582A..71H](#)
- Jones, J., ... **Ridgway, S.T.**, et al. 2015, ApJ, 813, 58, The Ages of A-Stars. I. Interferometric Observations and Age Estimates for Stars in the Ursa Major Moving Group, [2015ApJ...813...58J](#)
- Kervella, P., ... **Ridgway, S.T.**, et al. 2016, A&A, 585, A28, The close circumstellar environment of Betelgeuse. III. SPHERE/ZIMPOL imaging polarimetry in the visible, [2016A&A...585A..28K](#)
- Kraus, S., ... **Ridgway, S.**, et al. Planet formation imager: science vision and key requirements. 2016 Proc. SPIE 9907, Optical and Infrared Interferometry and Imaging V, 99071K (August 4, 2016); doi:10.1117/12.2231067
- Mérand, A., ... **Ridgway, S.T.**, et al. 2015, A&A, 584, 80, Cepheid distances from the SpectroPhoto-Interferometry of Pulsating Stars (SPI PS). Application to the prototypes δ Cephei and η Aquilae, [2015A&A...584A..80M](#)
- Montargès, M., ... **Ridgway, S.T.**, et al. 2016, A&A, 588, 130, The close circumstellar environment of Betelgeuse. IV. VLT/PIONIER interferometric monitoring of the photosphere, [2016A&A...588A.130M](#)
- Reuter, M. A., Cook, K. H., Delgado, F., Petry, C. E., **Ridgway, S. T.** 2016. Simulating the LSST OCS for conducting survey simulations using the LSST scheduler. Proc. SPIE 9911, Modeling, Systems Engineering, and Project Management for Astronomy VI, 991125 (August 8, 2016); doi:10.1117/12.2232680
- Richardson, N.D., ... **Ridgway, S.T.**, et al. 2016, MNRAS, 455, 244, Spectroscopy, MOST photometry, and interferometry of MWC 314: is it an LBV or an interacting binary? [2016MNRAS.455..244R](#)
- Saha, A.**, ... **Matheson, T.**, ... **Ridgway, S.**, ... Zaidi, T., et al., 2016, “ANTARES: progress towards building a ‘broker’ of time-domain alerts” in [Observatory Operations: Strategies, Processes, and Systems VI], Proc. SPIE 9910, 99100. Proc. SPIE. 9910, Observatory Operations: Strategies, Processes, and Systems VI, 99100F. (July 18, 2016) doi: 10.1117/12.2232095
- ten Brummelaar, T. A., ... **Ridgway, S. T.**, et al. 2016. An update on the CHARA array. Proc. SPIE 9907, Optical and Infrared Interferometry and Imaging V, 990703 (August 4, 2016); doi:10.1117/12.2232125

Saha, A.

- Dong, H.**, **Lauer, T.R.**, **Olsen, K.A.G.**, **Saha, A.**, et al. 2016, MNRAS, 459, 2262, High-resolution mapping of dust via extinction in the M31 bulge, [2016MNRAS.459.2262D](#)
- Graham, M.**, **Fitzpatrick, M.**, **Norris, P.**, **Mighell, K.**, **Olsen, K.**, **Ridgway, S.**, **Stobie, E.**, **Bolton, A.**, **Saha, A.**, and **Huang, L.** 2016. “The NOAO Data Lab virtual storage system,” in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306
- Narayan, G.**, ... **Matheson, T.**, **Saha, A.**, et al. 2016, ApJ, 822, 67, Toward a Network of Faint DA White Dwarfs as High-precision Spectrophotometric Standards, [2016ApJ...822...67N](#)
- Saha, A.**, ... **Matheson, T.**, ... **Ridgway, S.**, ... Zaidi, T., et al., 2016, “ANTARES: progress towards building a ‘broker’ of time-domain alerts” in [Observatory Operations: Strategies, Processes, and Systems VI], Proc. SPIE 9910, 99100. Proc. SPIE. 9910, Observatory Operations: Strategies, Processes, and Systems VI, 99100F. (July 18, 2016) doi: 10.1117/12.2232095
- Vivas, A.K.**, **Olsen, K.**, **Blum, R.**, ... **Walker, A.R.**, ... **Kaleida, C.C.**, ... **Saha, A.**, et al. 2016, AJ, 151, 118 , Variable Stars in the Field of the Hydra II Ultra-faint Dwarf Galaxy, [2016AJ....151..118V](#)

Shaw, Richard

- Henry, R. B. C., ... **Shaw, R. A.**, et al. 2015, ApJ, 813, 121, Co-spatial Long-slit UV/Optical Spectra of Ten Galactic Planetary Nebulae with HST/STIS. II. Nebular Models, Central Star Properties, and He+CNO Synthesis, [2015ApJ...813..121H](#)
- Miller, T. R., **Shaw, R. A.**, et al. 2016, ApJ, 830, 9, Analysis of Co-spatial UV-optical HST/STIS Spectra of Planetary Nebula NGC 3242, [2016ApJ...830....9M](#)
- Moreno-Ibáñez, M., Villaver, E., **Shaw, R. A.**, **Stanghellini, L.** 2016, A&A, 593, 29, Compact planetary nebulae in the Galactic disk: Analysis of the central stars, [2016A&A...593A..29M](#)

Silva, D.R.

- Howell, S.B., ... **Everett, M.E., Silva, D.R.**, et al. 2016, AJ, 151, 43, Variability of Kepler Solar-like Stars Harboring Small Exoplanets, [2016AJ...151...43H](#)
- Skidmore, W., TMT International Science Development Teams, Science Advisory Committee, 2015, RAA, 15, 1945, Thirty Meter Telescope Detailed Science Case: 2015, [2015RAA...15.1945S](#)

Smith, M.

- Green, R., ..., **Pompea, S., ... Smith, M., Walker, C.**, et al. 2016, IAUTA, Transactions of the IAU, Volume 29A, 549, [2016IAUTA.29..549G](#)

Smith, R.C.

- Abbott, B.P., ... **Abbott, T.M.C., ... James, D.J., ... Matheson, T., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, ApJS, 225, 8, Supplement: Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914 (2016, ApJL, L13), [2016ApJS..225....8A](#)
- Abbott, T., ... James, D.J., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, PhRvD, 94, 2001, Cosmology from cosmic shear with Dark Energy Survey Science Verification data, [2016PhRvD..94b2001A](#)
- Balbinot, E., ... **Abbott, T.M.C., ... James, D.J., ... Smith, R.C., Walker, A.R.**, et al. 2016, ApJ, 820, 58, The Phoenix Stream: A Cold Stream in the Southern Hemisphere, [2016ApJ...820...58B](#)
- Becker, M.R., ... **Abbott, T., ... James, D.J., ... Smith, R.C., Walker, A.R.**, et al. 2016, PhRvD, 2016, 94, 2002, Cosmic Shear Measurements with Dark Energy Survey Science Verification Data, [2016PhRvD..94b2002B](#)
- Cowperthwaite, P. S., ... **Matheson, T., ... Walker, A.R., ... Abbott, T. M. C., ... Smith, R. C.**, et al. DES Collaboration. 2016, ApJ, 826, 29, A DECam Search for an Optical Counterpart to the LIGO Gravitational-wave Event GW151226, [2016ApJ...826L..29C](#)
- Crocce, M., ... **Abbott, T., ..., James, D.J., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, MNRAS, 455, 4301, Galaxy Clustering, Photometric Redshifts and Diagnosis of Systematics in the DES Science Verification Data, [2016MNRAS.455.4301C](#)
- Dark Energy Survey Collaboration, **Abbott, T., ... James, D., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, MNRAS, 460, 1270, The Dark Energy Survey: More than Dark Energy - An Overview, [2016MNRAS.460.1270D](#)
- Gerdes, D.W., ... **Abbott, T., ..., James, D.J., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, AJ, 151, 33, Observation of Two New L4 Neptune Trojans in the Dark Energy Survey Supernova Fields, [2016AJ...151...39G](#)
- Giannantonio, T., ... **Abbott, T., ..., James, D.J., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, 456, 3213, CMB Lensing Tomography with the DES Science Verification Galaxies, [2016MNRAS.456.3213G](#)
- Gruen, D., ... **Abbott, T.M.C., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, MNRAS, 455, 3367, Weak Lensing by Galaxy Troughs in DES Science Verification data, [2016MNRAS.455.3367G](#)
- Jarvis, M., ... **Abbott, T., ... James, D.J., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, MNRAS, 460, 2245, The DES Science Verification Weak Lensing Shear Catalogues, [2016MNRAS.460.2245J](#)
- Li, T.S., ... **Walker, A.R., ... Abbott, T.M.C., ... Smith, R.C.**, et al. 2016, AJ, 151, 157, Assessment of Systematic Chromatic Errors that Impact Sub-1% Photometric Precision in Large-area Sky Surveys, [2016AJ...151..157L](#)
- Luque, E., ... **Abbott, T., ... James, D.J., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, MNRAS, 458, 603, Digging Deeper into the Southern Skies: A Compact Milky Way Companion Discovered in First-year Dark Energy Survey Data, [2016MNRAS.458.603L](#)
- Narayan, G., ... Matheson, T., ... Smith, R.C., ... Zenteno, A.**, et al. 2016, ApJS, 224, 3, Light Curves of 213 Type Ia Supernovae from the ESSENCE Survey, [2016ApJS..224....3N](#)
- Nord, B., ... **Abbott, T., ... James, D.J., ... Smith, R.C., ... Walker, A.R.**, et al. 2016, ApJ, 827, 51, Observation and Confirmation of Six Strong-lensing Systems in the Dark Energy Survey Science Verification Data, [2016ApJ...827...51N](#)
- Pieres, A.,... **Abbott, T.M.C., ... James, D.J., ... Smith, R.C., ... Walker, A.R.** 2016, MNRAS, 461, 519, Physical properties of star clusters in the outer LMC as observed by the DES, [2016MNRAS.461..519P](#)
- Poci, A., ... **Abbott, T., ... James, D., ... Smith, R.C., ... Walker, A.R.** et al. 2016, PASA, 33, 49, DESAlert: Enabling Real-Time Transient Follow-Up with Dark Energy Survey Data, [2016PASA...33...49P](#)

- Rykoff, E.S., ... **Abbott, T.M.C.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJS, 224, 1, The RedMaPPer Galaxy Cluster Catalog From DES Science Verification Data, [2016ApJS..224....1R](#)
- Saro, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, ... **Zenteno, A.** 2016, AJ, 151, 159, Constraints on the Richness–mass Relation and the Optical-SZE Positional Offset Distribution for SZE-Selected Clusters, [2015MNRAS.454.2305S](#)
- Smith, M., ... **Smith, R.C.**, ... **Zenteno, A.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Walker, A.R.**, et al. 2016, ApJ, 818, 8, "DES14X3taz: A Type I Superluminous Supernova Showing A Luminous, Rapidly Cooling Initial Pre-Peak Bump, [2016ApJ...818L...8S](#)
- Soares-Santos, M., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Matheson, T.**, ... **Smith, R.C.**, et al. 2016, ApJ, 823, 33, A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914, [2016ApJ...823L..33S](#)
- Suchyta, E., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 457, 786, No Galaxy Left Behind: Accurate Measurements with the Faintest Objects in the Dark Energy Survey, [2016MNRAS.457..786S](#)

Smith, V.V.

- Carlberg, J. K., Smith, V. V., Cunha, K., Carpenter, K. G., 2016, ApJ, 827, 129, Lithium in Open Cluster Red Giants Hosting Substellar Companions, [2016ApJ...818...25C](#)
- Carlberg, J. K., Cunha, K., Smith, V. V., 2016, ApJ, 827, 129, Lithium Inventory of 2 M_⊙ Red Clump Stars in Open Clusters: A Test of the Helium Flash Mechanism, [2016ApJ...827..129C](#)
- García Pérez, A.E., ... **Smith, V.V.**, et al. 2016, AJ, 151, 144, ASPCAP: The APOGEE Stellar Parameter and Chemical Abundances Pipeline, [2016AJ...151..144G](#)
- Holtzman, J.A., ... **Smith, V.V.**, et al. 2015, AJ, 150, 148, Abundances, Stellar Parameters, and Spectra from the SDSS-III/APOGEE Survey, [2015AJ...150..148H](#)
- Placco, V.M., ... **Smith, V.V.**, et al. 2015, ApJ, 812, 109, Hubble Space Telescope Near-Ultraviolet Spectroscopy of Bright CEMP-s Stars, [2015ApJ...812..109P](#)
- Schuler, S.C., ... **Smith, V.V.**, et al. 2015, ApJ, 815, 5, Detailed Abundances of Stars with Small Planets Discovered by Kepler. I. The First Sample, [2015ApJ...815....5S](#)
- Schultheis, M., ... **Smith, V.**, et al. 2015, A&A, 584, A45, Evidence for a metal-poor population in the inner Galactic bulge, [2015A&A...584A..45S](#)
- Sheffield, A. A., ... **Smith, V.V.**, et al. 2016, IAU Symp., 221, 24, Contributions to the Galactic halo from in-situ, kicked-out, and accreted stars, [2016IAUS..317..241S](#)
- Shetrone, M., ... **Smith, V.V.**, et al. 2015, ApJS, 221, 24, The SDSS-III APOGEE Spectral Line List for H-band Spectroscopy, [2015ApJS..221...24S](#)

Sprayberry, D.

- Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D.** 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087
- Brooks, D., ... **Liang, M.**, ... **Sprayberry, D.**, et al. 2016, "The Alignment and Assembly of the DESI Prime Focus Corrector," SPIE 9908, 311. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99088C. (August 09, 2016) doi: 10.1117/12.2232489
- Dey, A.**, ... **Sprayberry, D.**, **Valdes, F.**, **Stupak, B.**, **Donaldson, J.**, **Abareshi, B.**, **Marshall, B.**, ... **Fitzpatrick, M.**, ... **Joyce, D.**, ... **Schweiker, H.**, **Allen, L.**, **Blum, B.**, et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.
- Doel, P., ... **Liang, M.**, ... **Sprayberry, D.**, et al. 2016, "The Prime Focus Corrector for the Dark Energy Spectroscopic Instrument," SPIE 9908, 312. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99088D. (August 09, 2016) doi: 10.1117/12.2232493

- Dunlop, P., Probst, R. G., Evatt, M., Reddell, L., Sprayberry, D.** 2016. Ethylene glycol contamination effects on first surface aluminized mirrors. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 99063F. (July 27, 2016) doi: 10.1117/12.2233233
- Kent, S., ... **Sprayberry, D., Liang, M.** 2016, "Impact of Optical Distortions on Fiber Positioning in the Dark Energy Spectroscopic Instrument," SPIE 9908, 314. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99088F. (August 09, 2016) doi: 10.1117/12.2232689
- Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Stanghellini, L.

- Belfiore, F., ... **Stanghellini, L.**, et al. 2016, MNRAS, 461, 3111, SDSS IV MaNGA - spatially resolved diagnostic diagrams: a proof that many galaxies are LIERs, [2016MNRAS.461.3111B](#)
- Magrini, L., Coccato, L., **Stanghellini, L.**, Casasola, V., Galli, D. 2016, A&A, 588, A91, Metallicity gradients in local Universe galaxies: Time evolution and effects of radial migration, ., [2016A&A...588A..91M](#)
- Moreno-Ibáñez, M., Villaver, E., **Shaw, R. A., Stanghellini, L.** 2016, A&A, 593, 29, Compact planetary nebulae in the Galactic disk: Analysis of the central stars, [2016A&A...593A..29M](#)
- Stanghellini, L.**, Magrini, L., Casasola, V., 2015, ApJ, 812, 39, Gas-phase Oxygen Abundances and Radial Metallicity Gradients in the Two nearby Spiral Galaxies NGC 7793 and NGC 4945, [2015ApJ...812...39S](#)
- Ventura, P., **Stanghellini, L.**, Di Criscienzo, M., García-Hernández, D. A., Dell'Agli, F. 2016, MNRAS, 460, 3940, Planetary nebulae in the Small Magellanic Cloud, [2016MNRAS.460.3940V](#)
- Ventura, P., **Stanghellini, L.**, et al. 2015, MNRAS, 452, 3679, A test for asymptotic giant branch Evolution Theories: Planetary Nebula e in the Large Magellanic Cloud, [2015MNRAS.452.3679V](#)

Tokovinin, A.

- Law, N.M., Ziegler, C. & **Tokovinin, A.** SRAO: the First Southern Robotic AO System. 2016, Proc. SPIE, 9909, in press. Proc. SPIE. 9907, Optical and Infrared Interferometry and Imaging V, 99070K. (August 04, 2016) doi: 10.1117/12.2234446
- Robberto, M., ... **Tokovinin A.** SAMOS: a versatile multi-object-spectrograph for the GLAO system SAM at SOAR. 2016, Proc. SPIE, Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99088V. (August 09, 2016) doi: 10.1117/12.2233094
- Roberts, L. C., Jr., **Tokovinin, A.**, et al., 2015, AJ, 150, 130, Observations of Hierarchical Solar-type Multiple Star Systems, [2015AJ....150..130R](#)
- Schmitt, J.R., **Tokovinin, A.**, et al. 2016, AJ, 151, 159, Planet Hunters. X. Searching for Nearby Neighbors of 75 Planet and Eclipsing Binary Candidates from the K2 Kepler Extended Mission, [2016AJ....151..159S](#)
- Tighe, R., Tokovinin, A. Schurter, P., Martinez M., Cantarutti R.** An ADC for the SAM on the SOAR telescope. 2016, Proc. SPIE, 9908, 125. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99083B (August 9, 2016); doi:10.1117/12.2233681
- Tokovinin, A.**, 2016, AJ, 152, 11, Orbits of Four Young Triple-lined Multiple Systems, [2016AJ....152...11T](#)
- Tokovinin, A.** 2016, AJ, 152, 10, Orbits of Subsystems in Four Hierarchical Multiple Stars, [2016AJ....152...10T](#)
- Tokovinin, A.** 2016, AJ, 150, 177, Spectroscopic Subsystems in Nearby Wide Binaries, [2015AJ....150..177T](#)

Valdes, F.

- Bettinelli, M., ... **Walker, A. R., ... Valdes, F.**, et al. 2016, MNRAS, 461, 67, The Canarias Einstein ring: a newly discovered optical Einstein ring, [2016MNRAS.461L..67B](#)
- Dey, A., ... Sprayberry, D., Valdes, F.**, Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick, M., ... **Joyce, D.**, ... Schweiker, H., **Allen, L., Blum, B.**, et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.

Vivas, A.K.

- Fernandez-Trincado, J. G., ... **Vivas, A. K., Briceño, C.**, et al. 2015, SF2A-2015: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics. Eds.: F. Martins, S. Boissier, V. Buat, L. Cambrésy, P. Petit, 13, Mapping optically variable quasars towards the Galactic plane, [2015sf2a.conf...13F](#)
- Vivas, A.K., Olsen, K., Blum, R.**, ... **Walker, A.R.**, ... **Kaleida, C.C.**, ... **Saha, A.**, et al. 2016, AJ, 151, 118, Variable Stars in the Field of the Hydra II Ultra-faint Dwarf Galaxy, [2016AJ...151..118V](#)

Walker, A.R.

- Abbott, B.P., ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Matheson, T.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJS, 225, 8, Supplement: Localization and Broadband Follow-up of the Gravitational-wave Transient GW150914 (2016, ApJL, L13), [2016ApJS..225...8A](#)
- Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, PhRvD, 94, 2001, Cosmology from cosmic shear with Dark Energy Survey Science Verification data, [2016PhRvD..94b2001A](#)
- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Annis, J., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, et al. 2016, ApJ, 823, 34, "A Dark Energy Camera Search for Missing Supergiants in the LMC after the Advanced LIGO Gravitational-wave Event GW150914"
- Balbinot, E., ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, **Walker, A.R.**, et al. 2016, ApJ, 820, 58, The Phoenix Stream: A Cold Stream in the Southern Hemisphere, [2016ApJ...820...58B](#)
- Becker, M.R., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, **Walker, A.R.**, et al. 2016, PhRvD, 2016, 94, 2002, Cosmic Shear Measurements with Dark Energy Survey Science Verification Data, [2016PhRvD..94b2002B](#)
- Bettinelli, M., ... **Walker, A. R.**, ... **Valdes, F.**, et al. 2016, MNRAS, 461, 67, The Canarias Einstein ring: a newly discovered optical Einstein ring, [2016MNRAS.461L..67B](#)
- Chang, C., ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, **Walker, A.R.**, 2016, MNRAS, 459, 3203, Galaxy Bias from the Dark Energy Survey Science Verification Data: Combining Galaxy Density Maps and Weak Lensing Maps, [2016MNRAS.459.3203C](#)
- Coppola, G., ... **Walker, A.R.** 2015, ApJ, 814, 71, "The Carina Project IX: On Hydrogen and Helium Burning Variables, [2015ApJ...814...71C](#)
- Comparat, J., ... **Abbott, T. M. C.**, ... **James, D. J.**, ... **Walker, A. R.**, et al. 2016, A&A, 592, A121, SDSS-IV eBOSS emission-line galaxy pilot survey, [2016A&A...592A.121C](#)
- Cowperthwaite, P. S., ... **Matheson, T.**, ... **Walker, A.R.**, ... **Abbott, T. M. C.**, ... **Smith, R. C.**, et al. DES Collaboration. 2016, ApJ, 826, 29, A DECam Search for an Optical Counterpart to the LIGO Gravitational-wave Event GW151226, [2016ApJ...826L..29C](#)
- Crocce, M., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 455, 4301, Galaxy Clustering, Photometric Redshifts and Diagnosis of Systematics in the DES Science Verification Data, [2016MNRAS.455.4301C](#)
- Dark Energy Survey Collaboration, **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 460, 1270, The Dark Energy Survey: More than Dark Energy - An Overview, [2016MNRAS.460.1270D](#)
- Gerdes, D.W., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, AJ, 151, 33, Observation of Two New L4 Neptune Trojans in the Dark Energy Survey Supernova Fields, [2016AJ...151...39G](#)
- Giannantonio, T., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, 456, 3213, CMB Lensing Tomography with the DES Science Verification Galaxies, [2016MNRAS.456.3213G](#)
- Gruen, D., ... **Abbott, T.M.C.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 455, 3367, Weak Lensing by Galaxy Troughs in DES Science Verification data, [2016MNRAS.455.3367G](#)
- Jarvis, M., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 460, 2245, The DES Science Verification Weak Lensing Shear Catalogues, [2016MNRAS.460.2245J](#)

- Kunder, A., ... **Walker, A.R.**, et al. 2016, ApJ, 821, 25, Before the Bar: Kinematic Detection of a Spheroidal Metal-Poor Bulge Component, [2016ApJ...821L..25K](#)
- Li, T.S., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **Smith, R.C.**, et al. 2016, AJ, 151, 157, Assessment of Systematic Chromatic Errors that Impact Sub-1% Photometric Precision in Large-area Sky Surveys, [2016AJ...151..157L](#)
- Luque, E., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 458, 603, Digging Deeper into the Southern Skies: A Compact Milky Way Companion Discovered in First-year Dark Energy Survey Data, [2016MNRAS.458..603L](#)
- Martínez-Vázquez, ... **Walker, A. R.**, et al. 2016, MNRAS, 461, L41, Probing the early chemical evolution of the Sculptor dSph with purely old stellar tracers, [2016MNRAS.461L..41M](#)
- Musella, I., ... **Walker, A.R.**, et al. 2016, MNRAS, 457, 3084, "The Cepheids of NGC 1866: A Precise Benchmark for the Extragalactic Distance Scale and Stellar Evolution from Modern UBVI Photometry, [2016MNRAS.457.3084M](#)
- Nord, B., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJ, 827, 51, Observation and Confirmation of Six Strong-lensing Systems in the Dark Energy Survey Science Verification Data, [2016ApJ...827...51N](#)
- Pieres, A.,... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.** 2016, MNRAS, 461, 519, Physical properties of star clusters in the outer LMC as observed by the DES, [2016MNRAS.461..519P](#)
- Poci, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.** et al. 2016, PASA, 33, 49, DESAlert: Enabling Real-Time Transient Follow-Up with Dark Energy Survey Data, [2016PASA...33...49P](#)
- Rykoff, E.S., ... **Abbott, T.M.C.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, ApJS, 224, 1, The RedMaPPer Galaxy Cluster Catalog From DES Science Verification Data, [2016ApJS..224....1R](#)
- Saro, A., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, ... **Walker, A.R.**, ... **Zenteno, A.** 2016, AJ, 151, 159, Constraints on the Richness–mass Relation and the Optical–SZE Positional Offset Distribution for SZE-Selected Clusters, [2015MNRAS.454.2305S](#)
- Smith, M., ... **Smith, R.C.**, ... **Zenteno, A.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Walker, A.R.**, et al. 2016, ApJ, 818, 8, "DES14X3taz: A Type I Superluminous Supernova Showing A Luminous, Rapidly Cooling Initial Pre-Peak Bump, [2016ApJ...818L...8S](#)
- Soares-Santos, M., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **James, D.J.**, ... **Matheson, T.**, ... **Smith, R.C.**, et al. 2016, ApJ, 823, 33, A Dark Energy Camera Search for an Optical Counterpart to the First Advanced LIGO Gravitational Wave Event GW150914, [2016ApJ...823L..33S](#)
- Suchyta, E., ... **Abbott, T.**, ... **James, D.J.**, ... **Smith, R.C.**, ... **Walker, A.R.**, et al. 2016, MNRAS, 457, 786, No Galaxy Left Behind: Accurate Measurements with the Faintest Objects in the Dark Energy Survey, [2016MNRAS.457..786S](#)
- Vivas, A.K.**, **Olsen, K.**, **Blum, R.**, ... **Walker, A.R.**, ... **Kaleida, C.C.**, ... **Saha, A.**, et al. 2016, AJ, 151, 118, Variable Stars in the Field of the Hydra II Ultra-faint Dwarf Galaxy, [2016AJ...151..118V](#)
- Zhang, Y., ... **Abbott, T.**, ... **James, D.**, ... **Smith, R.C.**, et al. 2016, ApJ, 816, 98, Galaxies in X-Ray Selected Clusters and Groups in Dark Energy Survey Data. I. Stellar Mass Growth of Bright Central Galaxies since $z \sim 1.2$, [2016ApJ...816...98Z](#)

Walker, C.

- Green, R., ..., **Pompea, S.**, ... **Smith, M.**, **Walker, C.**, et al. 2016, IAUTA, Transactions of the IAU, Volume 29A, 549, [2016IAUTA..29..549G](#)

Wolff, S.

- Franknoi, A., Morrison, D., **Wolff, S.C.** 2016. *Astronomy*, by Open Stax.
- Wolff, S.** 2016, The Boundless Universe: Astronomy in the New Age of Discovery (Tucson, AZ: Rio Nuevo Publishers)

Zenteno, A.

- McDonald, M., ... **Zenteno, A.** 2016, ApJ, 817, 86, "Star-Forming Brightest Cluster Galaxies At $0.25 < z < 1.25$: A Transitioning Fuel Supply, [2016ApJ...817...86M](#)
- Narayan, G., ... Matheson, T., ... Smith, R.C., ... Zenteno, A.,** et al. 2016, ApJS, 224, 3, Light Curves of 213 Type Ia Supernovae from the ESSENCE Survey, [2016ApJS..224....3N](#)
- Smith, M., ... **Smith, R.C., ... Zenteno, A., ... Abbott, T.M.C., ... James, D.J., ... Walker, A.R.,** et al. 2016, ApJ, 818, 8, "DES14X3taz: A Type I Superluminous Supernova Showing A Luminous, Rapidly Cooling Initial Pre-Peak Bump, [2016ApJ...818L...8S](#)

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Abareshi, B.

- Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D.** 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087
- Dey, A., ... Sprayberry, D., Valdes, F., Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick, M., ... Joyce, D., ... Schweiker, H., Allen, L., Blum, B.,** et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.
- Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G.** Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Bonati, M.

- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Bustos, E.

- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Butler, K.

- Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D.** 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

Cantarutti, R.

- Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D.** 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G.** Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance
- Tighe, R., Tokovinin, A. Schurter, P. Martinez M., Cantarutti R.** An ADC for the SAM on the SOAR telescope. 2016, Proc. SPIE, 9908, 125. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99083B (August 9, 2016); doi:10.1117/12.2233681

Cho, Myung

- Angeli, G., ... **Cho, M.**, et al. 2016, SPIE, Edinburgh, United Kingdom. An integrated modeling framework for the Large Synoptic Survey Telescope (LSST). Proc. SPIE. 9911, Modeling, Systems Engineering, and Project Management for Astronomy VI, 991118. (August 10, 2016) doi: 10.1117/12.2234078
- Hayward, T., Rippa, M., **Cho, M.**, et al., 2016, SPIE, Edinburgh, United Kingdom. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065N (July 27, 2016); doi:10.1117/12.2232140. Characterizing the vibration environments of the Gemini telescopes
- Lee, S., **Cho, M.**, et al., 2016, SPIE, Edinburgh, United Kingdom. Development of the fast steering secondary mirror assembly of GMT. Proc. SPIE. 9912, Advances in Optical and Mechanical Technologies for Telescopes and Instrumentation II, 991241. (July 22, 2016) doi: 10.1117/12.2233710
- Sebag, J., ... **Cho, M.**, et al., 2016, SPIE, Edinburgh, United Kingdom. LSST primary/tertiary monolithic mirror. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 99063E. (August 08, 2016) doi: 10.1117/12.2230012
- Sebag, J., ... **Cho, M.**, ... **Warner, M.**, et al., 2016, SPIE, Edinburgh, United Kingdom. Proc. SPIE 9911, Modeling, Systems Engineering, and Project Management for Astronomy VI, 99112E (August 19, 2016); doi:10.1117/12.2233178. LSST telescope modeling overview.

David, N.

- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Points, S.D., James, D. J., Tighe, R., Montane, A., David, N., Martinez, M.** 2016, A new Cassegrain calibration lamp unit for the Blanco Telescope, Proc. SPIE, 9908, 99082N. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082N. (August 09, 2016) doi: 10.1117/12.2232995

Donaldson, J.

- Dey, A., ... Sprayberry, D., Valdes, F., Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick. M., ... Joyce, D., ... Schweiker, H., Allen, L., Blum, B.**, et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.
- Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G.** Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Dunlop, P.

Dunlop, P., Probst, R. G., Evatt, M., Reddell, L., Sprayberry, D. 2016. Ethylene glycol contamination effects on first surface aluminized mirrors. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 99063F. (July 27, 2016) doi: 10.1117/12.2233233

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Estay, O.

Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
Evatt, M.

Dunlop, P., Probst, R. G., Evatt, M., Reddell, L., Sprayberry, D. 2016. Ethylene glycol contamination effects on first surface aluminized mirrors. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 99063F. (July 27, 2016) doi: 10.1117/12.2233233

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Fitzpatrick, M.

Dey, A., ... Sprayberry, D., Valdes, F., Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick, M., ... Joyce, D., ... Schweiker, H., Allen, L., Blum, B., et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.

Fitzpatrick, M., Graham, M., Olsen, K., Mighell, K., Norris, P., Ridgway, S., Stobie, E., and Bolton, A. 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791

Graham, M., Fitzpatrick, M., Norris, P., Mighell, K., Olsen, K., Ridgway, S., Stobie, E., Bolton, A., Saha, A., and Huang, L. 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306
George, R.G.

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Gómez, G.

Elias, J., Warner, M., Muñoz, F., Gómez, G. 2016. SOAR Telescope seismic performance I: impact of the 2015 Illapel earthquake. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065J (July 27, 2016); doi:10.1117/12.2231728

Gott, S.

Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D. 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Graham, M.

Fitzpatrick, M., Graham, M., Olsen, K., Mighell, K., Norris, P., Ridgway, S., Stobie, E., and Bolton, A. 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791

Graham, M., Fitzpatrick, M., Norris, P., Mighell, K., Olsen, K., Ridgway, S., Stobie, E., Bolton, A., Saha, A., and Huang, L. 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306

Liang, M.

Doel, P., ... **Liang, M., ... Sprayberry, D.,** et al. 2016, "The Prime Focus Corrector for the Dark Energy Spectroscopic Instrument., SPIE 9908, 312. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99088D. (August 09, 2016) doi: 10.1117/12.2232493

Kent, S., ... **Sprayberry, D., Liang, M.** 2016, "Impact of Optical Distortions on Fiber Positioning in the Dark Energy Spectroscopic Instrument," SPIE 9908, 314. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99088F. (August 09, 2016) doi: 10.1117/12.2232689

Marshall, B.

Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D. 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

Dey, A., ... Sprayberry, D., Valdes, F., Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick, M., ... Joyce, D., ... Schweiker, H., Allen, L., Blum, B., et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Martinez, M.

Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Elias, J., Muñoz, F.; Warner, M.; Rivera, R., Martínez, M. 2016. SOAR Telescope seismic performance II: seismic mitigation. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065G (July 27, 2016); doi:10.1117/12.2233063

- Points, S.D., James, D. J., Tighe, R., Montane, A., David, N., Martinez, M.** 2016, A new Cassegrain calibration lamp unit for the Blanco Telescope, Proc. SPIE, 9908, 99082N. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082N. (August 09, 2016) doi: 10.1117/12.2232995
- Tighe, R., Tokovinin, A. Schurter, P. Martinez M., Cantarutti R.** An ADC for the SAM on the SOAR telescope. 2016, Proc. SPIE, 9908, 125. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99083B (August 9, 2016); doi:10.1117/12.2233681

Montané, A.

- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Points, S.D., James, D. J., Tighe, R., Montane, A., David, N., Martinez, M.** 2016, A new Cassegrain calibration lamp unit for the Blanco Telescope, Proc. SPIE, 9908, 99082N. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082N. (August 09, 2016) doi: 10.1117/12.2232995

Muñoz, F.

- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723
- Elias, J., Muñoz, F.; Warner, M.; Rivera, R., Martínez, M.** 2016. SOAR Telescope seismic performance II: seismic mitigation. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065G (July 27, 2016); doi:10.1117/12.2233063
- Elias, J., Warner, M., Muñoz, F, Gómez, G.** 2016. SOAR Telescope seismic performance I: impact of the 2015 Illapel earthquake. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065J (July 27, 2016); doi:10.1117/12.2231728

Norris, P.

- Fitzpatrick, M., Graham, M., Olsen, K., Mighell, K., Norris, P., Ridgway, S., Stobie, E., and Bolton, A.** 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791
- Graham, M., Fitzpatrick, M., Norris, P., Mighell, K., Olsen, K., Ridgway, S., Stobie, E., Bolton, A., Saha, A., and Huang, L.** 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306
- Parkes, E.**
- Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P.** The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Patt, A.

- Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D.** 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

Reetz, K.

Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D. 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087
Reddell, L.

Dunlop, P., Probst, R. G., Evatt, M., Reddell, L., Sprayberry, D. 2016. Ethylene glycol contamination effects on first surface aluminized mirrors. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 99063F. (July 27, 2016) doi: 10.1117/12.2233233

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Rivera, R.

Elias, J., Muñoz, F.; Warner, M.; Rivera, R., Martínez, M. 2016. SOAR Telescope seismic performance II: seismic mitigation. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065G (July 27, 2016); doi:10.1117/12.2233063

Schurter, P.

Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Tighe, R., Tokovinin, A. Schurter, P., Martinez M., Cantarutti R. An ADC for the SAM on the SOAR telescope. 2016, Proc. SPIE, 9908, 125. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99083B (August 9, 2016); doi:10.1117/12.2233681

Schweiker, H.

Dey, A., ... Sprayberry, D., Valdes, F., Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick, M., ... Joyce, D., ... Schweiker, H., Allen, L., Blum, B., et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.

Stobie, E.

Fitzpatrick, M., Graham, M., Olsen, K., Mighell, K., Norris, P., Ridgway, S., Stobie, E., and Bolton, A. 2016. "The NOAO data lab: science-driven development," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 128 (2016). Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 99130L. (August 02, 2016) doi: 10.1117/12.2233791

Graham, M., Fitzpatrick, M., Norris, P., Mighell, K., Olsen, K., Ridgway, S., Stobie, E., Bolton, A., Saha, A., and Huang, L. 2016. "The NOAO Data Lab virtual storage system," in [Software and Cyberinfrastructure for Astronomy IV], Chiozzi, G. and Guzman, J. C., eds., Proc. SPIE 9913, 12 (2016). Proc. SPIE 9913, Software and Cyberinfrastructure for Astronomy IV, 99131I (July 26, 2016); doi:10.1117/12.2233306

Stover, D.

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Stupak, B.

Dey, A., ... Sprayberry, D., Valdes, F., Stupak, B., Donaldson, J., Abareshi, B., Marshall, B., ... Fitzpatrick, M., ... Joyce, D., ... Schweiker, H., Allen, L., Blum, B., et al. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082C (August 9, 2016); doi:10.1117/12.2231488. Mosaic3: a red-sensitive upgrade for the prime focus camera at the Mayall 4m telescope.

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Summers, D.

Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D. 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

Tighe, R.

Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Points, S.D., James, D. J., Tighe, R., Montane, A., David, N., Martinez, M. 2016, A new Cassegrain calibration lamp unit for the Blanco Telescope, Proc. SPIE, 9908, 99082N. Proc. SPIE. 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99082N. (August 09, 2016) doi: 10.1117/12.2232995

Tighe, R., Tokovinin, A. Schurter, P. Martinez M., Cantarutti R. An ADC for the SAM on the SOAR telescope. 2016, Proc. SPIE, 9908, 125. Proc. SPIE 9908, Ground-based and Airborne Instrumentation for Astronomy VI, 99083B (August 9, 2016); doi:10.1117/12.2233681

Williams, D.

Abareshi, B., Marshall, R., Gott, S., Sprayberry, D., Cantarutti, R., Joyce, R., Williams, D., Probst, R., Reetz, K., Paat, A., Butler, K., Soto, C., Dey, A., Summers, D. 2016. A new telescope control software for the Mayall 4-meter telescope, Proc. SPIE. 9913, Software and Cyberinfrastructure for Astronomy IV, 991310. (July 26, 2016) doi: 10.1117/12.2233087

Warner, Michael

Abbott, T.M.C., Walker, A.R., Points, S.D., James, D.J., Gregory, B.; Tighe, R., David, N., Parkes, E., Cantarutti, R., Warner, M., Estay, O., Martínez, M., Bonati, M., Bustos, E., Montané, A., Muñoz, F., Schurter, P. The Blanco Telescope and its instruments: a status report. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99064D (July 27, 2016); doi:10.1117/12.2232723

Elias, J., Muñoz, F.; Warner, M.; Rivera, R., Martínez, M. 2016. SOAR Telescope seismic performance II: seismic mitigation. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065G (July 27, 2016); doi:10.1117/12.2233063

Elias, J., Warner, M., Muñoz, F, Gómez, G. 2016. SOAR Telescope seismic performance I: impact of the 2015 Illapel earthquake. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99065J (July 27, 2016); doi:10.1117/12.2231728

Neill, D. R., ... Warner, M., et al. 2016. Final design of the LSST primary/tertiary mirror cell assembly. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99060Q (July 27, 2016); doi:10.1117/12.2234016

Sebag, J., ... Cho, M., ... Warner, M., et al., 2016, SPIE, Edinburgh, United Kingdom. Proc. SPIE 9911, Modeling, Systems Engineering, and Project Management for Astronomy VI, 99112E (August 19, 2016); doi:10.1117/12.2233178. LSST telescope modeling overview.

Sprayberry, D., Dunlop, P., Evatt, M., Reddell, L., Gott, S., George, J.R., Donaldson, J., Stupak, R.J., Marshall, R., Abareshi, B., Stover, D., Warner, M., Cantarutti, R.E., Probst, R.G. Proc. SPIE. 9906, Ground-based and Airborne Telescopes VI, 990608. (August 08, 2016) doi: 10.1117/12.2233177. Modernization of the Mayall Telescope control system: design, implementation, and performance

Warner, M., et al. 2016. Description of a very dense meteorite collection area in western Atacama: Insight into the long-term composition of the meteorite flux to Earth. *Meteorites and Planetary Science*, Volume 51, Issue 3 March 2016 Pages 468–482

Warner, M., et al. 2016. Final design of the LSST hexapods and rotator. Proc. SPIE 9906, Ground-based and Airborne Telescopes VI, 99060K (July 27, 2016); doi:10.1117/12.2231327

Willmarth, D.W.

Willmarth, D. W., ... Abt, H.A., et al. 2016, *AJ*, 152, 46, Spectroscopic Orbits for 15 Late-type Stars, [2016AJ....152...46W](#)