NOAO Publications Listing, FY15


NOAO Scientific Staff names are in boldface in this listing

The Publications Listing is in three sections

**Current month’s staff and telescope publications**

**NOAO Scientific Staff Publications**

Scientific Staff publications are articles in referred and non-referred publications; books; conference proceedings; and arXiv Contributions for which NOAO Scientific Staff are authors and/or editors.

**Telescopes Data Publications**

Telescopes Data publications are articles in referred publications and arXiv Contributions


References to the telescopes used in data collection are in the format:

(Observatory Name:Telescope+Instrument)

Example: (KPNO:4m+Mosaic)

A complete list of NOAO FY15 publications, with links to ADS, is at

[www.noao.edu/noao/library/NOAOPublicationsFY15.html](http://www.noao.edu/noao/library/NOAOPublicationsFY15.html)

NOAO publications listings from 1987 to the present are at

[www.noao.edu/noao/library/NOAOPublications.html](http://www.noao.edu/noao/library/NOAOPublications.html)

Chang, C., ... Abbott, T., ... James, D., ... Smith, C., et al. 2015, ApJ, 801, 73, “Modeling the Transfer Function for the Dark Energy Survey” (Dark Energy Survey-CTIO:4m+DECam)

DES Collaboration, ... Walker, A., ... Abbott, T., ... James, D., ... Smith, C., et al., arXiv:1503.02584 “Light New Milky Way Companions Discovered in First-Year Dark Energy Survey Data” (Dark Energy Survey-CTIO:4m+DECam; Submitted to ApJ)


Lee, N., ... Kartaltepe, J.S., et al. 2015, ApJ, 801, 80, “A Turnover in the Galaxy Main Sequence of Star Formation at M. ~ 10^{10} M⊙ for Redshifts z < 1.3”

Lu, N. ... Inami, H., et al. 2015, arxiv.org/abs/1503.02052, “Measuring Star-Formation Rate and Far-Infrared Color in High-redshift Galaxies Using the CO (7-6) and [NII] 205 Micron Lines” (Accepted to ApJL)


Roberts, L.C., Jr., Tokovinin, A., et al. 2015, AJ, 149, 118, “Know the Star, Know the Planet. III. Discovery of Late-Type Companions to Two Exoplanet Host Stars”


Telescopes Data Publications

(NOAO Telescopes and NOAO-granted time on non-NOAO telescopes)

current month (March 2015)

Kitt Peak National Observatory Telescopes


Cales, S. L., Brotherton, M. S., 2015arXiv150201086C, “Post-Starburst Quasars: Bridging the Gap Between Post-Starburst Galaxies and Quasars” (KPNO:4m)

Davis, B. L., et al. 2015arXiv150303070D, “A Fundamental Plane of Spiral Structure in Disk Galaxies” (KPNO:WIYN 3.5m+pODI; KPNO:2.1m)


Cerro Tololo Inter-American Observatory Telescopes


McCleary, J., I. dell’Antonio, P. Huwe, arxiv.org/pdf/1503.02823v2.pdf, ”Mass Substructure in Abell 3128” (CTIO:4m+DECam)


Roderick, T. A., Jerjen, H., Mackey, A. D., Da Costa, G. S., 2015arXiv150303896R, ”Stellar Substructures around the Hercules Dwarf Spheroidal Galaxy” (CTIO:4m+DECam)


Non-NOAO Telescopes (NOAO-granted community-access time)

Hartman, J.D. ... **Everett, M.E.,** et al. 2015, arxiv.org/abs/1503.04149, “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” (NOAO-granted community-access time: Keck I/HIRES, NOAO Prop. IDs 2011-0207 and 2011B-0600, G. Bakos, PI; Submitted to AJ)


Alam, S., ... Smith, V.V., et al. 2015arXiv150100963A, “The Eleventh and Twelfth Data Releases of the Sloan Digital Sky Survey: Final Data from SDSS-III” (Submitted to ApJS)


Balbinot, E., ... Walker, A.R., ... Abbott, T.M.C., ... James, D., ... Smith, R.C., et al. 2015arXiv150205050B, “The LMC geometry and outer stellar populations from early DES data” (Dark Energy Survey—CTIO:4m+DECam; Sci. Staff: Abbott, T.M.C., James, D., Smith, R.C., Walker, A.R.; Accepted to MNRAS)


Ben-Ami, S., ... Matheson, T., et al. arxiv.org/abs/1412.4767, “Ultraviolet Spectroscopy of Type IIb Supernovae: Diversity and the Impact of Circumstellar Material"


DES Collaboration, ... Walker, A., ... Abbott, T., ... James, D., ... Smith, C., et al., arXiv:1503.02584 “Light New Milky Way Companions Discovered in First-Year Dark Energy Survey Data” (Dark Energy Survey-CTIO:4m+DECam; Submitted to ApJ)


Giallongo, E., . . . Dickison, M., et al. 2015arXiv150202562G, “Faint AGNs at z > 4 in the CANDELS GOODS-S field: looking for contributors to the reionization of the Universe” (Submitted to A&A)


Lacy, M., **Ridgway, S.E.**, et al. 2015, arxiv.org/abs/1501.04118, “The Spitzer Mid-infrared AGN survey. II—the demographics and cosmic evolution of the AGN population” (Accepted to ApJ)


Lee, N., ... **Kartaltepe, J.S.**, et al. 2015, ApJ, 801, 80, ”A Turnover in the Galaxy Main Sequence of Star Formation at $M_\star \sim 10^{10} M_\odot$ for Redshifts z < 1.3”


Liu, C.T., ... **Norman, D.**, et al. 2014, arxiv.org/abs/1410.2526, ”Maximizing LSST’s Scientific Return: Ensuring Participation from Smaller Institutions”

Lu, N. ... **Inami, H.**, et al. 2015, arxiv.org/abs/1503.02052, ”Measuring Star-Formation Rate and Far-Infrared Color in High-redshift Galaxies Using the CO (7-6) and [NII] 205 Micron Lines” (Accepted to ApJL)


Mason, E., ... **Abbott, T.M.C.**, et al. 2014, ASP Conf. 490, eds. P.A. Woudt, V.A.R.M. Ribeiro (ASP), 63, ”The Multiple Periods and the Magnetic Nature of CP Puppis” (CTIO:4m+RC Spectrograph)

Meszaros, S., **Smith, V.V.**, et al. 2015arXiv150105127M, ”Exploring Anticorrelations and Light Element Variations in Northern Globular Clusters Observed by the APOGEE Survey”

Miettinen, O., et al. 2015arXiv150205854M, (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies - I. Multiwavelength identifications and redshift distribution” (NOAO Survey Programs—COSMOS: CTIO:4m+FLAMINGOS; KPNO:4m+ISPI; Sci. Staff: Kartaltepe, J.; Accepted to A&A)


Navarete, F., Damineli, A., Barbosa, C.L., **Blum, R.D.** 2015, IAU Symp. 307, ed. G. Meynet, C. Georgy, J. Groh, P. Stee (Cambridge), 453, “Circumstellar Environments of MYSOs Revealed by IFU Spectroscopy” (Gemini-North)


Newman, J.A., ... **Beers, T.C.**, et al. 2015, APh, 63, 81, ”Spectroscopic Needs for Imaging Dark Energy Experiments” (Discussion of KPNO:4m+DESI)


Papadopoulos, A., ... **Smith, R.C., et Abbott, T.M.C., et James, D.,** ... et al. 2015arXiv150107232P, ”DES13S2cmm: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey —CTIO:4m+DECam; Accepted to MNRAS)


Quinn, S.M., ... **Everett, M.E.,** et al. 2014, arxiv.org/abs/1411.4666,”K01-1299: a red giant interacting with one of its two long period giant planets” (KPNO:WIYN 3.5m+DSSI; Submitted to ApJ)


Rest, A., … Matheson, T., Smith, R.C., et al., arxiv.org/abs/1502.03705, ASPC 491, “Light Echoes of Ancient Transients with the Blanco CTIO 4mTelescope” (CTIO:4m+MOSAIC II; CTIO:4m+DECam; SOAR+SOI)


Roberts, L.C., Jr., Tokovinin, A., et al. 2015, AJ, 149, 118, “Know the Star, Know the Planet. III. Discovery of Late-Type Companions to Two Exoplanet Host Stars”


Shafer, A.W., et al. 2015, ApJS, 216, 34, “Recurrent Novae in M31” (KPNO:0.9m)

Shetrone, M., ... Smith, V. et al. arxiv.org/abs/1502.04080, “The APOGEE Spectral Line List for H band Spectroscopy” (Submitted to ApJS)


Tokovinin, A., Pribulla, T., Fischer, D. 2015, AJ, 149, 8, “Radial Velocities of Southern Visual Multiple Stars” (CTIO:SMARTS 1.5m+FECH)


Williams, B.F., ... **Lauer, T.R.**, et al. 2015arXiv150106631W, “Tracing the Metal-Poor M31 Stellar Halo with Blue Horizontal Branch Stars”


Zamora, O., ... **Smith, V.V.**, et al. 2015, arXiv:150106631, “New H-band Stellar Spectral Libraries for the SDSS-III/APOGEE survey” (KPN0:4m+FTS; Sci. Staff: Smith, V.V.; Submitted to AJ)

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**Staff Publications by Scientific Staff Last Name**

**Abbott, T.M.C.**

Balbinot, E., ... **Walker, A.R.**, ... **Abbott, T.M.C.**, ... **James, D.**, ... **Smith, R.C.**, et al. 2015arXiv150205050B, “The LMC geometry and outer stellar populations from early DES data” (Dark Energy Survey-CTIO:4m+DECam; Sci. Staff: Abbott, T.M.C., James, D., Smith, R.C., Walker, A.R.; Accepted to MNRAS)


Papadopoulos, A., ... **Smith, R.C.**, ... **Abbott, T.M.C.**, ... **James, D.**, ... et al. 2015arXiv150107232P, “DES13S2cmn: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey—CTIO:4m+DECam; Accepted to MNRAS)


**Abt, H.**


**Allen, L.E.**


Hernández, J., ... **Briceño, C.** ... **Allen, L.**, et al. 2014, *ApJ*, 794, 36, "A Spectroscopic Census in Young Stellar Regions: The σ Orionis Cluster" (CTIO:SMARTS 0.9m; CTIO:SMARTS 1.5m)


Rebull, L.M., ... **James, D.** ... **Allen, L.**, et al. 2014, *AJ*, 148, 92, "Young Stellar Object VARIability (YSOVAR): Long Timescale Variations in the Mid-infrared"


**Atlee, D.W.**

Dolley, T., ... **Dey, A.** ... **Atlee, D.W.**, et al. 2014, *ApJ*, 797, 125, "The Clustering and Halo Masses of Star-Forming Galaxies at z < 1" (KPNO:2.1m; KPNO 4m; NOAO Deep Wide-Field Survey; NOAO Science Archive)

Sánchez, C., ... **Abbott, T.** ... **Atlee, D.** ... **Dey, A.** ... **Smith, R.C.** ... **Valdes, F.** ... **Walker, A.**, et al. 2014, *MNRAS*, 445, 1482, "Photometric Redshift Analysis in the Dark Energy Survey Science Verification Data" (Dark Energy Survey; CTIO:4m+DECam)

**Beers, T.C.**


**Bergmann, M.**


**Blum, R.D.**


Briceño, C.


Dey, A.


Dickinson, M.E.


Giallongo, E., . . . Dickinson, M., et al. 2015arXiv150202562G, “Faint AGNs at z > 4 in the CANDELS GOODS-S field: looking for contributors to the reionization of the Universe” (Submitted to A&A)


CANDELS survey: the GOODS-South and UDS fields” (accepted to ApJ)

Dong, H.


Everett, M.E.

Everett, M.E., ... Silva, D.R. 2015, AJ, 149, 55, “High-Resolution Multi-band Imaging for Validation and Characterization of Small Kepler Planets” (KPN0:4m+RC Spectrograph)


Quinn, S.M., ... Everett, M.E., et al. 2014, arxiv.org/abs/1411.4666, “KOI-1299: a red giant interacting with one of its two long period giant planets” (KPN0:WIYN 3.5m+DSSI; Submitted to ApJ)

Szkody, P., Everett, M.E., Howell, S.B., ... Silva, D.R., et al. 2014, AJ, 148, 63, “Follow up Observations of SDSS and CRTS Candidate Cataclysmic Variables” (KPN0:2.1m; KPN0:4m+RC Spectrograph)


Garmany, C.D.


Glaspey, J.W.


Hinkle, K.H.


Hong, S.


Howell, S.B.


Inami, H.


James, D.


Papadopoulos, A., ... Smith, R.C., ... Abbott, T.M.C., ... James, D., ... et al. 2015arXiv150107232P, “DES13S2cmm: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey—CTIO:4m+DECam; Accepted to MNRAS)


Kartaltepe, J.D.


Lee, N., ... Kartaltepe, J.S., et al. 2015, ApJ, 801, 80, “A Turnover in the Galaxy Main Sequence of Star Formation at M. ~ 10^{10} M_⊙ for Redshifts z < 1.3”

Miettinen, O., et al. 2015arXiv150205854M, (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies - I. Multiwavelength identifications and redshift distribution” (NOAO Survey Programs—COSMOS: CTIO:4m+FLAMINGOS; KPNO:4m+ISPI; Sci. Staff: Kartaltepe, J.; Accepted to A&A)


Kinman, T.D.


Lauer, T.R.


Matheson, T.
Ben-Ami, S., ... Matheson, T., et al. arxiv.org/abs/1412.4767, “Ultraviolet Spectroscopy of Type IIn Supernovae: Diversity and the Impact of Circumstellar Material”

Rest, A., ... Matheson, T., Smith, R.C., et al., arxiv.org/abs/1502.03705, ASPC 491, “Light Echoes of Ancient Transients with the Blanco CTIO 4mTelescope” (CTIO:4m+MOSAIC II; CTIO:4m+DECam; SOAR+SOI)


Mighell, K.J.


Najita, J.


Narayan, G.


Norman, D.

Olsen, K.
Pforr, J. 

Points, S.D. 


Probst, R. 

Ridgway, S.E. 
Lacy, M., Ridgway, S.E., et al. 2015, arxiv.org/abs/1501.04118, ”The Spitzer Mid-infrared AGN survey. II—the demographics and cosmic evolution of the AGN population” (Accepted to ApJ)

Ridgway, S.T. 


Saha, A. 

Shaw, R.A. 

Silva, D.R. 

**Smith, R.C.**

Balbinot, E., ... **Walker, A.R., ...** Abbott, T.M.C., ... James, D., ... **Smith, R.C.,** et al. 2015arXiv150205050B, “The LMC geometry and outer stellar populations from early DES data” (Dark Energy Survey--CTIO:4m+DECam; Sci. Staff: Abbott, T.M.C., James, D., Smith, R.C., Walker, A.R.; Accepted to MNRAS)


Coughlin, M., ... **Smith, C.,** et al. 2014arXiv1412.3603C, “Real-time earthquake warning for astronomical observatories”

DES Collaboration, ... **Walker, A., ...** Abbott, T., ... James, D., ... **Smith, C.,** et al., arXiv:1503.02584 “Light New Milky Way Companions Discovered in First-Year Dark Energy Survey Data” (Dark Energy Survey-CTIO:4m+DECam; Submitted to ApJ)


Oey, M. S., ... **Points, S.D., Smith, R.C.,** et al. 2015, IAU Proc., Highlights of Astronomy, H16, ed. T. Montmerle (Cambridge), 587, “HII Radiative Transfer Revealed by Ionization Parameter Mapping”

Papadopoulos, A., ... **Smith, R.C., ...** Abbott, T.M.C., ... James, D., ... **Smith, R.C., ...** et al. 2015arXiv150107232P, “DES13S2cmm: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey—CTIO:4m+DECam; Accepted to MNRAS)

Rest, A., ... **Matheson, T., Smith, R.C.,** et al., arxiv.org/abs/1502.03705, ASPC 491, “Light Echoes of Ancient Transients with the Blanco CTIO 4mTelescope” (CTIO:4m+MOSAIC II; CTIO:4m+DECam; SOAR+SOI)

Sánchez, C., ... **Abbott, T., ...** Atlee, D., ... Dey, A., ... **Smith, R.C., ...** Valdes, F., ... **Walker, A.,** et al. 2014, MNRAS, 445, 1482, “Photometric Redshift Analysis in the Dark Energy Survey Science Verification Data” (Dark Energy Survey; CTIO:4m+DECam)

**Smith, V.V.**

Alam, S., ... **Smith, V.V.,** et al. 2015arXiv150100963A, “The Eleventh and Twelfth Data Releases of the Sloan Digital Sky Survey: Final Data from SDSS-III” (Submitted to ApJS)

Carlberg, J.K., **Smith, V.V.,** et al. 2015, ApJ, 802, 7, “The Puzzling Li-rich Red Giant Associated with NGC 6819”

Cunha, K., **Smith, V.V.,** et al., 2015, ApJ, 798, L41, “Sodium and Oxygen Abundances in the Open Cluster NGC 6791 from APOGEE H-Band Spectroscopy” (KPNO:WIYN 3.5m/Hydra)

Hayden, M.R., ... **Smith, V.,** et al. 2015, arxiv.org/abs/1503.02110, “Chemical Cartography with
APOGEE: Metallicity Distribution Functions and the Chemical Structure of the Milky Way Disk

Holtzman, J. A. ... Smith, V.V., et al. 2015arXiv150104110H, “Abundances, Stellar Parameters, and Spectra From the SDSS-III/APOGEE Survey” (Submitted to AJ)


Shetrone, M., ... Smith, V. et al. arxiv.org/abs/1502.04080, “The APOGEE Spectral Line List for H band Spectroscopy” (Submitted to ApJS)


Zamora, O., ... Smith, V.V., et al. 2015arXiv150205237Z, “New H-band Stellar Spectral Libraries for the SDSS-III/APOGEE survey” (KPNO:4m+FTS; Sci. Staff: Smith, V.V.; Submitted to AJ)

Stanghellini, L.

Tokovinin, A.


Roberts, L.C., Jr., Tokovinin, A., et al. 2015, AJ, 149, 118, ”Know the Star, Know the Planet. III. Discovery of Late-Type Companions to Two Exoplanet Host Stars”


Tokovinin, A., Pribulla, T., Fischer, D. 2015, AJ, 149, 8, “Radial Velocities of Southern Visual Multiple Stars” (CTIO:SMARTS 1.5m+FECH)

Valdes, F.
Sánchez, C., ... Abbott, T., ... Atlee, D., ... Dey, A., ... Smith, R.C., ... Valdes, F., ... Walker, A., et al. 2014, MNRAS, 445, 1482, “Photometric Redshift Analysis in the Dark Energy Survey Science Verification Data” (Dark Energy Survey; CTIO:4m+DECam)

Vivas, A.K.


Walker, A.R.
Balbinot, E., ... Walker, A.R., ... Abbott, T.M.C., ... James, D., ... Smith, R.C., et al. 2015arXiv150205050B, "The LMC geometry and outer stellar populations from early DES data" (Dark Energy Survey-CTIO:4m+DECam; Sci. Staff: Abbott, T.M.C., James, D., Smith, R.C., Walker, A.R.; Accepted to MNRAS)

DES Collaboration, ... Walker, A., ... Abbott, T., ... James, D., ... Smith, C., et al., arXiv:1503.02584 “Light New Milky Way Companions Discovered in First-Year Dark Energy Survey Data” (Dark Energy Survey-CTIO:4m+DECam; Submitted to ApJ)


Telescopes Data Publications
(NOAO Telescopes and NOAO-granted time on non-NOAO telescopes)
FY2015 (Oct. 2014-date)


Balbinot, E., ... Walker, A.R., ... Abbott, T.M.C., ... James, D., ... Smith, R.C., et al. 2015arXiv150205050B, “The LMC geometry and outer stellar populations from early DES data” (Dark Energy Survey—CTIO:4m+DECam; Sci. Staff: Abbott, T.M.C., James, D., Smith, R.C., Walker, A.R.; Accepted to MNRAS)


Bouy, H., et al. 2015arXiv150104416B, “Messier 35 (NGC2168) DANCE I. Membership, proper motions and multi-wavelength photometry” (KPNO:4m+Mosaic; KPNO:4m+NEWFIRM; NOAO Science Archive)


Cales, S. L., Brotherton, M. S., 2015arXiv150201086C, “Post-Starburst Quasars: Bridging the Gap Between Post-Starburst Galaxies and Quasars” (KPNO:4m)


Carraro, G., et al. 2015, AJ, 149, 12, “The Thickening of the Thin Disk in the Third Galactic Quadrant” (CTIO:SMARTS 1.0m)


Davis, B. L., et al. 2015arXiv150303070D, “A Fundamental Plane of Spiral Structure in Disk Galaxies” (KPNO:WIYN 3.5m+pODI; KPNO:2.1m)

Davison, C.L., et al. 2015arXiv150105012D, “A 3D Search for Companions to 12 Nearby M-Dwarfs” (NOAO Survey Programs:CTIOPI—CTIO: 0.9m)


DES Collaboration, ... Walker, A., ... Abbott, T., ... James, D., ... Smith, C., et al., arXiv:1503.02584 “Light New Milky Way Companions Discovered in First-Year Dark Energy Survey Data” (Dark Energy Survey-CTIO:4m+DECam; Submitted to ApJ)


Granata, V., et al. 2014 AN, 335, 797, “TASTE IV: Refining Ephemeris and Orbital Parameters for HAT-P-20b and WASP-1b” (KPNO:2.1m)


Hartigan, J.D. ... Everett, M.E., et al. 2015, arxiv.org/abs/1503.04149, “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” (NOAO-granted community-access time: Keck I/HIRES, NOAO Prop. IDs 2011-0207 and 2011B-0600, G. Bakos, PI; Submitted to AJ)


Janowiecki, S., Salzer, J. J. 2014, ApJ, 793, 109, "The Unique Structural Parameters of the Underlying Host Galaxies in Blue Compact Dwarfs" (KPNO:WIYN 3.5m+OPTIC; KPNO:WIYN 3.5m+WHIRC)


Lindsay, S.S., et al. 2015, Icar, 247, 53, “Composition, Mineralogy, and Porosity of Multiple Asteroid Systems from Visible and Near-Infrared Spectral Data” (SOAR+Goodman Spectrograph)


MacLeod, C.L., et al. 2015arXiv150107533M, “A Consistent Picture Emerges: A Compact X-ray Continuum Emission Region in the Gravitationally Lensed Quasar SDSS J0924+0219” (CTIO:SMARTS 1.3m+ANDICAM)


Martinet, N., et al. 2014arXiv1412.5821M, “The evolution of the cluster optical galaxy luminosity function between z=0.4 and 0.9 in the DAFT/FADA survey” (KPNO:WIYN 3.5m+MiniMo; CTIO:4m+Mosaic; CTIO:SOAR+SOI; Accepted to A&A)


McQuinn, K. B. W., et al. 2015arXiv150107313M, “Characterizing the Star Formation of the Low-Mass SHIELD Galaxies from Hubble Space Telescope Imaging” (KPNO:WIYN 3.5m)

Miettinen, O., et al. 2015arXiv150205854M, (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies - I. Multiwavelength identifications and redshift distribution” (NOAO Survey Programs—COSMOS: CTIO:4m+FLAMINGOS; KPNO:4m+ISPI; Sci. Staff: Kartaltepe, J.; Accepted to A&A)


Papadopoulos, A., ... Smith, R.C., ... Abbott, T.M.C., ... James, D., ... et al. 2015arXiv150107232P, “DES1S2cmm: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey—CTIO:4m+DECam; Accepted to MNRAS)

Peterson, R.C., Kurucz, R.L. 2015, ApJS, 216, 1, "New Fe I Level Energies and Line Identifications from Stellar Spectra" (KPNO: Coudé Feed; KPNO:0.9m)

Quinn, S.M., ... Everett, M.E., et al. 2014, arxiv.org/abs/1411.4666, “K01-1299: a red giant interacting with one of its two long period giant planets” (KPN0:WIYN 3.5m+DSSI; Submitted to ApJ)


Rest, A., ... Matheson, T., Smith, R.C., et al., arxiv.org/abs/1502.03705, ASPC 491, “Light Echoes of Ancient Transients with the Blanco CTIO 4mTelescope” (CTIO:4m+MOSAIC II; CTIO:4m+DECam; SOAR+SOI)


Sánchez, C., ... Abbott, T., ... Atlee, D., ... Dey, A., ... Smith, R.C., ... Valdes, F., ... Walker, A., et al. 2014, MNRAS, 445, 1482, “Photometric Redshift Analysis in the Dark Energy Survey Science Verification Data” (Dark Energy Survey; CTIO:4m+DECam)


Schwarz, G. J., et al. 2014arXiv1412.6492S, “Pan-chromatic observations of the remarkable nova LMC 2012” (CTIO: SMARTS 1.0m; SMARTS 1.3m+ANDICAM; SMARTS 1.5m+RC Spectrograph)

Seaman, R., arxiv.org/pdf/1410.3481v1.pdf, “Data engineering for archive evolution” (KPN0:4m; KPN0:WIYN; CTIO:4m; CTIO:SOAR; NOAO Science Archive (longer version of poster paper submitted to proceedings of ADASS XXIV)


Tokovinin, A., Pribulla, T., Fischer, D. 2015, AJ, 149, 8, "Radial Velocities of Southern Visual Multiple Stars" (CTIO:SMARTS 1.5m+FECH)


Zemcov, M., et al. 2014, Sci, 346, 732, "On the Origin of Near-Infrared Extragalactic Background Light Anisotropy" (NOAO Survey Programs: NOAO Deep Wide-Field Survey [NDWFS]—CTIO:4m+Mosaic; KPN0:2.1m+SQIID; KPN0:2.1m+FLAMINGOS; KPN0:4m+Mosaic; NOAO Science Archive)


Zwintz, K., et al. 2014arXiv1411.0637Z, "Tracing early stellar evolution with asteroseismology: pre-main sequence stars in NGC 2264" (CTIO:SMARTS 1.5m+RC Spectrograph)

**Publications By Telescope, FY2015**

**KPN0 Telescopes Data Publications, FY2015** (articles in referred publications)

**KPN0:0.9m, FY2015**

Donati, P., et al. 2015, MNRAS, 446, 1411, "The Old, Metal-Poor, Anticentre Open Cluster Trumpler 5" (KPN0:0.9m; KPN0:2.1m)

Peterson, R.C., Kurucz, R.L. 2015, ApJS, 216, 1, "New Fe I Level Energies and Line Identifications from Stellar Spectra" (KPN0:Coude Feed; KPN0:0.9m)

Siegel, M.H., et al. 2014, AJ, 148, 131, "The Swift UVOT Stars Survey. I. Methods and Test Clusters" (KPN0:0.9m)

**KPN0:Coudé Feed, FY2015**


Fekel, F.C. 2015, AJ, 149, 83, “HD 207651: A Composite Spectrum Triple System” (KPN0: Coudé Feed Telescope+Coudé Spectrograph; T1 CCD; T1KA; STA2)

Peterson, R.C., Kurucz, R.L. 2015, ApJS, 216, 1, "New Fe I Level Energies and Line Identifications from Stellar Spectra" (KPN0:Coudé Feed Telescope; KPN0:0.9m)


KPNO:2.1m, FY2015


Davis, B. L., et al. 2015arXiv150303070D, “A Fundamental Plane of Spiral Structure in Disk Galaxies” (KPNO:WIYN 3.5m+pODI; KPNO:2.1m)


Granata, V., et al. 2014 AN, 335, 797, “TASTE IV: Refining Ephemeris and Orbital Parameters for HAT-P-20b and WASP-1b” (KPNO:2.1m)


**KPNO:4m (Mayall), FY2015**


Bouy, H., et al. 2015arXiv150104416B, "Messier 35 (NGC2168) DANCE I. Membership, proper motions and multi-wavelength photometry" (KPNO:4m+Mosaic; KPNO:4m+NEWFIRM; NOAO Science Archive)


Cales, S.L., Brotherton, M. S., 2015arXiv150201086C, “Post-Starburst Quasars: Bridging the Gap Between Post-Starburst Galaxies and Quasars” (KPN:4m)


Miettinen, O., et al. 2015arXiv150205854M, (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies - I. Multiwavelength identifications and redshift distribution” (NOAO Survey Programs—COSMOS: CTIO:4m+FLAMINGOS; KPNO:4m+ISPI; Sci. Staff: Kartaltepe, J.; Accepted to A&A)


pronged galaxy survey. I. Lyman alpha emitting galaxies at z~2 in GOODS North" (KPNO:4m)


Seaman, R., arxiv.org/pdf/1410.3481v1.pdf, "Data engineering for archive evolution" (KPNO:4m; KPNO:WIYN; CTIO:4m; SOAR; NOAO Science Archive) (longer version of poster paper submitted to proceedings of ADASS XXIV)


KNO:WIYN Telescopes Publications, FY2015 (articles in referred publications)


Davis, B. L., et al. 2015arXiv150303070D, “A Fundamental Plane of Spiral Structure in Disk Galaxies” (KPNO:WIYN 3.5m+pODI; KPNO:2.1m)


Jaffé, Y.L. et al. 2015, MNRAS, 448, 1715, “BUDHIES II: A Phase-Space View of HI Gas Stripping and Star-Formation Quenching in Cluster Galaxies” (KPN0:WIYN 3.5m)


Janowiecki, S., Salzer, J. J. 2014, ApJ, 793, 109, “The Unique Structural Parameters of the Underlying Host Galaxies in Blue Compact Dwarfs” (KPN0:WIYN 3.5m+OPTIC; KPN0:WIYN 3.5m+WHIRC)

Lee-Brown, D.B., et al. 2015, AJ, 149, 21, “Spectroscopic Abundances in the Open Cluster, NGC 6819” (KPN0:WIYN 3.5m+Hydra)


McQuinn, K. B. W., et al. 2015arXiv150107232M, “Characterizing the Star Formation of the Low-Mass SHIELD Galaxies from Hubble Space Telescope Imaging” (KPN0:WIYN 3.5m)

Overbeek, J.C., et al. 2015, AJ, 149, 15, “NGC 7789: An Open Cluster Case Study” (KPN0:WIYN 3.5m+Hydra)

Papadopoulos, A., ... Smith, R.C., ... Abbott, T.M.C., ... James, D., ... et al. 2015arXiv150107313M, “DES13S2cmm: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey—CTIO:4m+DECam; Accepted to A&A)

Quinn, S.M., ... Everett, M.E., et al. 2014, arxiv.org/abs/1411.4666,”KOI-1299: a red giant interacting with one of its two long period giant planets” (KPN0:WIYN 3.5m+DSSI; Submitted to ApJ)


Seaman, R., arxiv.org/pdf/1410.3481v1.pdf, “Data engineering for archive evolution” (KPN0:4m; KPN0:WIYN; CTIO:4m; SOAR; NOAO Science Archive (longer version of poster paper submitted to proceedings of ADASS XXIV)


Short-Duration, Periodic Flux Dips in their Light Curves” (CTIO:SOAR)


CTIO Telescopes Data Publications, FY2015 (articles in referred publications)

CTIO:4m (Blanco), FY2015


function between $z=0.4$ and 0.9 in the DAFT/FADA survey" (KPNO:WIYN 3.5m+MiniMo; CTIO:4m+Mosaic; CTIO:SOAR+SOI; Accepted to A&A)


McCleary, J., I. dell’Antonio, P. Huwe, arxiv.org/pdf/1503.02823v2.pdf , “Mass Substructure in Abell 3128” (CTIO:4m+DECam)


Miettinen, O., et al. 2015arXiv150205854M, (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies - I. Multiwavelength identifications and redshift distribution” (NOAO Survey Programs—COSMOS: CTIO:4m+FLAMINGOS; KPNO:4m+ISPI; Sci. Staff: Kartaltepe, J.; Accepted to A&A)


Papadopoulos, A., ... **Smith, R.C.,** ... **Abbott, T.M.C.,** ... **James, D.,** ... et al. 2015arXiv150107232P, “DES13S2cmm: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey—CTIO:4m+DECam; Accepted to MNRAS)


Rest, A., ... **Matheson, T.,** **Smith, R.C.,** et al., arxiv.org/abs/1502.03705, ASPC 491, “Light Echoes of Ancient Transients with the Blanco CTIO 4mTelescope” (CTIO:4m+Mosaic II; CTIO:4m+DECam; SOAR+SOI)


Sánchez, C., ... **Abbott, T., ... Atlee, D., ... Dey, A., ... Smith, R.C., ... Valdes, F., ... Walker, A.,** et al. 2014, MNRAS, 445, 1482, “Photometric Redshift Analysis in the Dark Energy Survey Science Verification Data” (Dark Energy Survey; CTIO:4m+DECam)


Seaman, R., arxiv.org/pdf/1410.3481v1.pdf, “Data engineering for archive evolution” (Kpno:4m; Kpno:WIYN; CTIO:4m; SOAR; NOAO Science Archive) (longer version of poster paper submitted to proceedings of ADASS XXIV)


**SOAR, FY2015**


Lindsay, S.S., et al. 2015, Icar, 247, 53, “Composition, Mineralogy, and Porosity of Multiple Asteroid Systems from Visible and Near-Infrared Spectral Data” (SOAR+Goodman Spectrograph)

Martinet, N., et al. 2014arXiv1412.5821M, “The evolution of the cluster optical galaxy luminosity function between z=0.4 and 0.9 in the DAFT/FADA survey” (KPN:WIYN 3.5m+MiniMo; CTIO:4m+Mosaic; CTIO:SOAR+SOI; Accepted to A&A)

Rest, A., ... Matheson, T., Smith, R.C., et al., arxiv.org/abs/1502.03705, ASPC 491, “Light Echoes of Ancient Transients with the Blanco CTIO 4mTelescope” (CTIO:4m+Mosaic II; CTIO:4m+DECam; SOAR+SOI)


Seaman, R., arxiv.org/pdf/1410.3481v1.pdf, "Data engineering for archive evolution" (KPN:4m; KPN:WIYN; CTIO:4m; CTIO:SOAR; NOAO Science Archive) (longer version of poster paper submitted to proceedings of ADASS XXIV)

Stauffer, J., et al. 2015arXiv150106609S, “CSI 2264: Characterizing Young Stars in NGC 2264 with Short-Duration, Periodic Flux Dips in their Light Curves” (CTIO:SOAR)


CTIO:SMARTS 0.9m, 1.0m, 1.3m, 1.5m, FY2015


Carraro, G., et al. 2015, AJ, 149, 12, “The Thickening of the Thin Disk in the Third Galactic Quadrant” (CTIO:SMARTS 1.0m)


Davison, C.L., et al. 2015, AJ, 149, 106, “A 3D Search for Companions to 12 Nearby M-Dwarfs” (NOAO Survey Programs:CTIOPI—CTIO: 0.9m)
Hernández, J., ... Briceño, C., ... Allen, L., et al. 2014, ApJ, 794, 36, “A Spectroscopic Census in Young Stellar Regions: The σ Orionis Cluster” (CTIO:SMARTS 0.9m; CTIO:SMARTS 1.5m)


MacLeod, C.L., et al. 2015arXiv150107533M, “A Consistent Picture Emerges: A Compact X-ray Continuum Emission Region in the Gravitationally Lensed Quasar SDSS J0924+0219” (CTIO:SMARTS 1.3m+ANDICAM)


Schwarz, G.J., et al. 2014arXiv1412.6492S, “Pan-chromatic observations of the remarkable nova LMC 2012” (CTIO: SMARTS 1.0m; SMARTS 1.3m+ANDICAM; SMARTS 1.5m+RC Spectrograph)


Tokovinin, A., Pribulla, T., Fischer, D. 2015, AJ, 149, 8, “Radial Velocities of Southern Visual Multiple Stars” (CTIO:SMARTS 1.5m+FECH)


Zwintz, K., et al. 2014arXiv1411.0637Z, "Tracing early stellar evolution with asteroseismology: pre-main sequence stars in NGC 2264" (CTIO:SMARTS 1.5m+RC Spectrograph)

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**NOAO-Granted Community-Access Time on Non-NOAO Telescopes, FY2015** (articles in referred publications)


Hartman, J.D. ... **Everett, M.E.**, et al. 2015, arxiv.org/abs/1503.04149, "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” (NOAO-granted community-access time: Keck I/HIRES, NOAO Prop. IDs 2011-0207 and 2011B-0600, G. Bakos, PI; Submitted to AJ)


NOAO Survey Programs, FY2015 (articles in referred publications)

Balbinot, E., ... Walker, A.R., ... Abbott, T.M.C., ... James, D., ... Smith, R.C., et al. 2015arXiv150205050B, “The LMC geometry and outer stellar populations from early DES data” (Dark Energy Survey--CTIO:4m+DECam; Sci. Staff: Abbott, T.M.C., James, D., Smith, R.C., Walker, A.R.; Accepted to MNRAS)


Davison, C.L., et al. 2015, AJ, 149, 106, “A 3D Search for Companions to 12 Nearby M-Dwarfs” (NOAO Survey Programs:CTIOPI—CTIO: 0.9m)


Miettinen, O., et al. 2015arXiv150205854M, (Sub)millimetre interferometric imaging of a sample of COSMOS/AzTEC submillimetre galaxies - I. Multiwavelength identifications and redshift distribution” (NOAO Survey Programs—COSMOS: CTIO:4m+FLAMINGOS; KPNO:4m+ISPI; Sci. Staff: Kartaltepe, J.; Accepted to A&A)


Papadopoulos, A., ... Smith, R.C., ... Abbott, T.M.C., ... James, D.,... et al. 2015arXiv150107232P, “DES13S2cmm: The First Superluminous Supernova from the Dark Energy Survey” (NOAO Survey Programs: Dark Energy Survey—CTIO:4m+DECam; Accepted to MNRAS)


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**NOAO Science Archive, FY2015** (articles in referred publications)


Bouy, H., et al. 2015arXiv150104416B, "Messier 35 (NGC2168) DANCe I. Membership, proper motions and multi-wavelength photometry" (KPNO:4m+Mosaic; KPNO:4m+NEWFIRM; NOAO Science Archive)


Seaman, R., arxiv.org/pdf/1410.3481v1.pdf, "Data engineering for archive evolution" (KPNO:4m; KPNO:WIYN; CTIO:4m; SOAR; NOAO Science Archive) (longer version of poster paper submitted to proceedings of ADASS XXIV)


Wagner, C.R., ... **Dey, A.,** et al. 2015, ApJ, 800, 107, “Star Formation in High-Redshift Cluster Ellipticals” (NOAO Survey Programs: NOAO Deep Wide-Field Survey [NDWFS]—CTIO:4m+Mosaic; KPNO:2.1m+SQIID; KPNO:2.1m+FLAMINGOS; KPNO:4m+Mosaic; NOAO Science Archive)
