

## D PUBLICATIONS USING DATA FROM NOAO TELESCOPES

---

Publications by Data Source	
Data Source	# in FY10
CTIO Telescopes	137
KPNO Telescopes	162
Gemini Telescopes	54
Keck Telescopes	12
HET & MMT	9
Magellan Telescopes	4
CHARA/Hale	0
NOAO Science Archive	23

---

### D.1 TELESCOPES AT CERRO TOLOLO INTER-AMERICAN OBSERVATORY <sup>†</sup>

During FY10 (Oct. 2009–Sept. 2010), 137 publications used data taken at the CTIO telescopes:

Abbott, T.M.C., ... Walker, A.R., Gregory, B., Smith, R.C., et al. 2010, SPIE Proc. 7733, ed. Larry. M. Stepp., Roberto. Gilmozzi., Helen J. Hall (SPIE), 773345, “Improving the Blanco Telescope’s Delivered Image Quality”

Abdo, A.A., et al. 2009, ApJ, 707, 727, “Multiwavelength Monitoring of the Enigmatic Narrow-Line Seyfert 1 PMN J0948+0022 in 2009 March-July”

Amanullah, R., et al. 2010, ApJ, 716, 712, “Spectra and Hubble Space Telescope Light Curves of Six Type Ia Supernovae at  $0.511 < z < 1.12$  and the Union2 Compilation”

Andrews, J.E., et al. 2010, ApJ, 715, 541, “SN 2007 od: A Type IIP Supernova with Circumstellar Interaction”

Anthony-Twarog, B.J., et al. 2010, AJ, 139, 2034, “WIYN Open Cluster Study. XXXIX. Abundances in NGC 6253 from Hydra Spectroscopy of the Li 6708 Å Region”

Antia, H.M., Basu, S. 2010, ApJ, 720, 494, “Solar Rotation Rate during the Cycle 24 Minimum in Activity”

Antonik, M., ... Abbott, T., ... Walker, A., et al. 2009, SPIE Proc. 7433, ed. José Sasián, Richard N. Youngworth (SPIE), 74330M, “The Design and Alignment of the DECam Lenses and Modeling of the Static Shear Pattern and Its Impact on Weak Lensing Measurements”

Aravena, M., et al. 2010, ApJ, 719, L15, “Identification of Two Bright  $z > 3$  Submillimeter Galaxy Candidates in the Cosmos Field”

---

<sup>†</sup> Author Name in bold = NOAO scientific staff member; Author Name underlined = Undergraduate student in Research Experiences for Undergraduates (REU) program or Practica de Investigación en Astronomía (PIA) program

- Aravena, M., et al. 2010, *ApJ*, 708, L36, “Environment of Mambo Galaxies in the Cosmos Field”
- Audard, M., et al. 2010, *A&A*, 511, A63, “A Multi-wavelength Study of the Young Star V1118 Orionis in Outburst”
- Batista, V., et al. 2009, *A&A*, 508, 467, “Mass Measurement of a Single Unseen Star and Planetary Detection Efficiency for OGLE 2007-BLG-050”
- Battinelli, P., Demers, S. 2010, *PASP*, 122, 144, “Multiband Photometry of V725 Sagittarii”
- Bayless, A.J., Robinson, E.L., Hynes, R.I., Ashcraft, T.A. 2010, *ApJ*, 709, 251, “The Structure of the Accretion Disk in the Accretion Disk Corona X-Ray Binary 4U 1822–371 at Optical and Ultraviolet Wavelengths”
- Bennett, D.P., et al. 2010, *ApJ*, 713, 837, “Masses and Orbital Constraints for the OGLE-2006-BLG-109Lb,c Jupiter/Saturn Analog Planetary System”
- Birlan, et al. 2010, *A&A*, 511, A40, “More than 160 Near Earth Asteroids Observed in the EURONEAR Network”
- Bono, G., ... Walker, A.R., et al. 2010, *PASP*, 122, 651, “On the Stellar Content of the Carina Dwarf Spheroidal Galaxy”
- Bono, G., ... Walker, A.R., et al. 2010, *ApJ*, 708, L74, “On a New Near-Infrared Method to Estimate the Absolute Ages of Star Clusters: NGC 3201 as a First Test Case”
- Boss, A.P., et al. 2009, *PASP*, 121, 1218, “The Carnegie Astrometric Planet Search Program”
- Boudreault, S., Bailer-Jones, C.A.L. 2009, *ApJ*, 706, 1484, “A Constraint on Brown Dwarf Formation via Ejection: Radial Variation of the Stellar and Substellar Mass Function of the Young Open Cluster IC 2391”
- Brun, A.S., Antia, H.M., Chitre, S.M. 2010, *A&A*, 510, A33, “Is the Solar Convection Zone in Strict Thermal Wind Balance?”
- Brusa, M., ... Kartaltepe, J., et al. 2010, *ApJ*, 716, 348, “The XMM-NEWTON Wide-Field Survey in the Cosmos Field (XMM-Cosmos): Demography and Multiwavelength Properties of Obscured and Unobscured Luminous Active Galactic Nuclei”
- Burke, D.L., ... Claver, C., ... Saha, A., ... Smith, R.C., et al. 2010, *ApJ*, 720, 811, “Precision Determination of Atmospheric Extinction at Optical and Near-Infrared Wavelengths”
- Burke, D.L., ... Smith, R.C., et al. 2010, *SPIE Proc.* 7737, ed. D.R. Silva, A. Peck, B.T. Soifer (SPIE), 77371D, “Calibration of the LSST Instrumental and Atmospheric Photometric Passbands”
- Cargile, P.A., James, D.J. 2010, *AJ*, 140, 677, “Employing a New, BV<sub>Ic</sub> Photometric Survey of IC4665 to Investigate the Age of this Young Open Cluster”
- Chandar, R., Fall, S., Whitmore, B.C. 2010, *ApJ*, 711, 1263, “New Tests for Disruption Mechanisms of Star Clusters: the Large and Small Magellanic Clouds”

- Chatterjee, P., Antia, H.M. 2009, ApJ, 707, 208, “Solar Flows and Their Effect on Frequencies of Acoustic Modes”
- Cid Fernandes, R., Gonzalez, R.M. 2010, MNRAS, 403, 780, “Testing Spectral Models for Stellar Population with Star Clusters—I. Methodology”
- Clem, J.L., Landolt, A.U. 2010, PASP, 122, 27, “The Eclipsing Binary PG 1323–086A (GSC 05544–00493)”
- Cobb, B.E., et al. 2010, ApJ, 718, L150, “Discovery of SN 2009nz Associated with GRB 091127”
- Collazzi, A.C., et al. 2009, AJ, 138, 1846, “The Behavior of Novae Light Curves before Eruption”
- Corbet, U.H.D., Pearlman, A.B., Buxton, M., Levine, A.M. 2010, ApJ, 719, 979, “Properties of the 24 Day Modulation in GX 13+1 from Near-Infrared and X-Ray Observations”
- Davidson Jr., J.W., Baptista, B.J., Horch, E.P., Franz, O., van Altena, W.F. 2009, AJ, 138, 1354, “A Photometric Analysis of Seventeen Binary Stars Using Speckle Imaging”
- Davis, C.J., Gell, R., Khanzadyan, T., Smith, M.D., Jenness, T. 2010, A&A, 511, A24, “A General Catalogue of Molecular Hydrogen Emission-Line Objects (MHOs) in Outflows from Young Stars”
- De Propriis, R., Rich, R.M., Mallery, R.C. Howard, C.D. 2010, ApJ, 714, L249, “A Radial Velocity and Calcium Triplet Abundance Survey of Field Small Magellanic Cloud Giants”
- De Propriis, R., Christlein, D. 2009, Astronomische Nachrichten, 330, 943, “A Composite *K*-Band Luminosity Function for Cluster Galaxies”
- Desai, K.M., et al. 2010, AJ, 140, 584, “Supernova Remnants and Star Formation in the Large Magellanic Cloud”
- Dessart, L., Hillier, D.J. 2010, MNRAS, 405, 2141, “Supernova Radiative-Transfer Modeling: A New Approach Using Non-Local Thermodynamic Equilibrium and Full Time Dependence”
- Diehl, H.T., Abbott, T.M.C., ... Walker, A., et al. 2010, SPIE Proc. 7735, ed. I. McLean, S. Ramsay, H. Takami (SPIE), 77353I, “Testing the Dark Energy Camera on a Telescope Simulator”
- Elias-Rosa, N., et al. 2010, ApJ, 714, L254, “The Massive Progenitor of the Type IILinear Supernova 2009kr”
- Elias-Rosa, N., et al. 2009, ApJ, 706, 1174, “On the Progenitor of the Type II-Plateau SN 2008cn in NGC 4603”
- Els, S.G., Abbott, T.M.C., ... Berdja, A., et al. 2010, SPIE Proc. 7733, ed. L.M. Stepp, R. Gilmozzi, Helen J. Hall (SPIE), 77333X, “Monitoring of the Environmental Conditions inside the Dome of the 4m Telescope at CTIO”
- Estrada, J., ... Abbott, T., ... Walker, A., et al. 2010, SPIE Proc. 7735, ed. I. McLean, S. Ramsay, H. Takami (SPIE), 77351R, “Focal Plane Detectors for Dark Energy Camera (DECam)”

- Faúndez-Abans, M., Fernandes, I.F., de Oliveira-Abans, M., Poppe, P.C.R., Martin, V.A.F. 2009, *A&A*, 507, 1303, “The Ring Galaxy HRG 54 103: A First Study”
- Fekel, F.C., Hinkle, K.H., Joyce, R.R., Wood, P.R. 2010, *AJ*, 139, 1315, “Infrared Spectroscopy of Symbiotic Stars. VIII. Orbits for Three S-Type Systems AE Arae, Y Coronae Australis, and SS 73-147”
- Finch, C.T., Zacharias, N., Wycoff, G.L. 2010, *AJ*, 139, 2200, “UCAC3: Astrometric Reductions”
- Fingerhut, R.L., et al. 2010, *ApJ*, 716, 792, “Deep  $K_s$  -Near-Infrared Surface Photometry of 80 Dwarf Irregular Galaxies in the Local Volume”
- Flaugher, B.L., Abbott, T.M.C., ... Smith, R.C., ... Walker, A.R., et al. 2010, *SPIE Proc.* 7735, ed. I. McLean, S. Ramsay, H. Takami (SPIE), 77350D, “Status of the Dark Energy Survey Camera (DECam) Project”
- Fleener, C.E., Payne, J.T., Chu, Y-H., Chen, C.-H.R., Gruendl, R.A., 2010, *AJ*, 139, 158, “Massive Star Formation in NGC 2074”
- Fouqué, P., et al. 2010, *A&A*, 518, A51, “OGLE 2008-BLG-290: An Accurate Measurement on the Limb Darkening of a Galactic Bulge K Giant Spatially Resolved by Microlensing”
- Gamen, R.C., Fernández-Lajús, E., Niemela, V.S., Barbá, R.H. 2009, *A&A*, 506, 1269, “The Massive Wolf-Rayet Binary LSS 1964 (=WR 29). II. The  $V$ /Light Curve”
- Garg, A., ... Olsen, K., et al. 2010, *AJ*, 140, 328, “High-Amplitude  $\delta$ -Scutis in the Large Magellanic Cloud”
- Gelino, D.M., Gelino, C.R., Harrison, T.E. 2010, *ApJ*, 718, 1, “SPITZER Observations of Black Hole Low-Mass X-Ray Binaries: Assessing the Non-Stellar Infrared Component”
- Gilbert, A.M., Wiegert, P.A., Unda-Sanzana, E., Vaduvescu, O. 2010, *MNRAS*, 401, 2399, “Spectroscopic Observations of New Oort Cloud Comet 2006 VZ13 and Four Other Comets”
- Goddard, Q.E., Kennicutt, R.C., Ryan-Weber, E.V. 2010, *MNRAS*, 405, 2791, “On the Nature of Star Formation at Large Galactic Radii”
- Gonzalez Hernández, I., Howe, R., Komm, R., Hill, F. 2010, *ApJ*, L16, “Meridional Circulation during the Extended Solar Minimum: Another Component of the Torsional Oscillation?”
- Green, P.J., et al. 2010, *ApJ*, 710, 1578, “SDSS J1254+0846: A Binary Quasar Caught in the Act of Merging”
- Grouchy, R.D., Buta, R.J., Salo, H., Laurikainen, E. 2010, *AJ*, 139, 2465, “Ring Star Formation Rates in Barred and Nonbarred Galaxies”
- Guaita, L, et al. 2010, *ApJ*, 714, 255, “Ly $\alpha$ -Emitting Galaxies at  $z = 2.1$  in ECDF-S: Building Blocks of Typical Present-Day Galaxies?”
- Guijarro, A., et al. 2010, *A&A*, 519, A53, “Near-Infrared and Optical Observations of Galactic Warps: A Common, Unexplained Feature of Most Discs”

- Hägele, G.F., et al. 2010, MNRAS, 406, 1675, “Subarcsecond Radio Continuum Mapping in and around the Spiral Galaxy NGC 3351 Using MERLIN”
- Hatsukade, B., et al. 2010, ApJ, 711, 974, “Unveiling the Nature of Submillimeter Galaxy SXDF 850.6”
- Hillwig, T.C., Bond, H.E., Afsar, M., De Marco, O. 2010, AJ, 140, 319, “Binary Central Stars of Planetary Nebulae Discovered through Photometric Variability. II. Modeling the Central Stars of NGC 6026 and NGC 6337”
- Honscheid, K., et al. 2010, SPIE Proc. 7740, ed. N.M. Radziwill, A. Bridger (SPIE), 77401K, “The DECam Data Acquisition and Control System”
- Howell, P.J., Brainerd, T.G. 2010, MNRAS, 407, 891, “Galaxy-Galaxy Lensing by Non-Spherical Haloes – I. Theoretical Considerations”
- Hsieh, H.H., et al. 2010, MNRAS, 403, 363, “The Return of Activity in Main-Belt Comet 133P/Elst-Pizarro”
- Hsieh, H.H. 2009, A&A, 505, 1297, “The Hawaii Trails Project: Comet-Hunting in the Main Asteroid Belt”
- Ilbert, O., et al. 2010, ApJ, 709, 644, “Galaxy Stellar Mass Assembly between  $0.2 < z < 2$  from the S-Cosmos Survey”
- Janczak, J., et al. 2010, ApJ, 711, 731, “Sub-Saturn Planet MOA-2008-BLG-310Lb: Likely to Be in the Galactic Bulge”
- Kann, D.A., et al. 2010, ApJ, 720, 1513, “The Afterglows of SWIFT-Era Gamma-Ray Bursts. I. Comparing Pre-SWIFT and SWIFT-Era Long/Soft (Type II) GRB Optical Afterglows”
- Karachik, N.V., Pevtsov, A.A., Abramenko, V.I. 2010, ApJ, 714, 1672, “Formation of Coronal Holes on the Ashes of Active Regions”
- Kocevski, D., et al. 2010, MNRAS, 404, 963, “Limits on Radioactive Powered Emission Associated with a Short-Hard GRB 070724A in a Star-Forming Galaxy”
- Krisciuna, K., ... Cartier, R., ... Knox, E., et al. 2009, AJ, 138, 1584, “The Fast Declining Type Ia Supernova 2003gs, and Evidence for a Significant Dispersion in Near-Infrared Absolute Magnitudes of Fast Decliners at Maximum Light”
- Krisciunas, K., Bogglio, H., Sanhueza, P., Smith, M.G. 2010, PASP, 122, 373, “Light Pollution at High Zenith Angles, as Measured at Cerro Tololo Inter-American Observatory”
- Kubik, D., ... Abbott, T., ... Walker, A., et al. 2010, , SPIE Proc. 7735, ed. I. McLean, S. Ramsay, H. Takami (SPIE), 77355C, “Automated Characterization of CCD Detectors for DECam”
- Lahav, O., Kiakotou, A., Abdalla, F.B., Blake, C. 2010, MNRAS, 405, 168, “Forecasting Neutrino Masses from Galaxy Clustering in the Dark Energy Survey Combined with the Planck Measurements”
- Larsen, J.A., Cabanela, J.E., Humphreys, R.M., Haviland, A. 2010, AJ, 139, 348, “Mapping the Asymmetric Thick Disk. I. A Search for Triaxiality”

- Leauthaud, A., et al. 2010, *ApJ*, 709, 97, “A Weak Lensing Study of X-ray Groups in the Cosmos Survey: Form and Evolution of the Mass-Luminosity Relation”
- Leloudas, G., et al. 2009, *A&A*, 505, 265, “The Normal Type Ia SN 2003hv Out to Very Late Phases”
- Looper, D.L., et al. 2010, *ApJ*, 714, 45, “The Enigmatic Young, Low-Mass Variable TWA 30”
- Martin, E.L., et al. 2010, *A&A*, 517, A53, “Spectroscopic Characterization of 78 DENIS Ultracool Dwarf Candidates in the Solar Neighborhood and the Upper Scorpii OB Association”
- Masetti, N., et al. 2010, *A&A*, 519, A96, “Unveiling the Nature of INTEGRAL Objects through Optical Spectroscopy. VIII. Identification of 44 Newly Detected Hard X-ray Sources”
- Mason, B.D., Hartkopf, W.I., McAlister, H.A. 2010, *AJ*, 140, 242, “Binary Star Orbits. III. Revisiting the Remarkable Case of Tweedledum and Tweedledee”
- Mason, B.D., Hartkopf, W.I., Tokovinin, A. 2010, *AJ*, 140, 735, “Binary Star Orbits. IV. Orbits of 18 Southern Interferometric Pairs”
- Meurer, G.R., ... Smith, R.C., et al. 2010, *ApJ*, 695, 765, “Evidence for a Nonuniform Initial Mass Function in the Local Universe”
- Milingo, J.B., Kwitter, K.B., Henry, R.B.C., Souza, S. 2010, *ApJ*, 711, 619, “Alpha Element Abundances in a Large Sample of Galactic Planetary Nebulae”
- Muñoz-Mateos, J.C., et al. 2009, *ApJ*, 703, 1569, “Radial Distribution of Stars, Gas and Dust in Spiral Galaxies. I. Surface Photometry and Morphology”
- Nemec, J.M., ... Walker, A.R., et al. 2009, *AJ*, 138, 1310, “Variable Stars in the Large Magellanic Cloud Globular Cluster NGC 2257. I. Results Based on 2007–2008 *B*, *V* Photometry”
- Neugent, K.F., et al. 2010, *ApJ*, 719, 1784, “Yellow Supergiants in the Small Magellanic Cloud: Putting Current Evolutionary Theory to the Test”
- O’Dell, C.R., Goss, W.M. 2009, *AJ*, 138, 1235, “Scattered Nebular Light in the Extended Orion Nebula”
- Ocvirk, P. 2010, *ApJ*, 709, 88, “Fake Star Formation Bursts: Blue Horizontal Branch Stars Masquerade as Young Massive Stars in Optical Integrated Light Spectroscopy”
- Olivares E., F., ... Matheson, T., et al. 2010, *ApJ*, 715, 833, “The Standardized Candle Method for Type II Plateau Supernovae”
- Palmeirim, P.M., Yun, J.L. 2010, *A&A*, 510, A51, “Young Stars and Reflection Nebulae Near the Lower ‘Edge’ of the Galactic Molecular Disc”
- Parisi, P., et al. 2009, *A&A*, 507, 1345, “Accurate Classification of 17 AGNs Detected with Swift/BAT”
- Park, H.S., et al. 2010, *ApJ*, 709, 377, “The Globular Cluster System of the Virgo Giant Elliptical Galaxy NGC 4636. I. Subaru/Faint Object Camera and Spectrograph Spectroscopy and Database”

- Piatti, A.E., Clariá, J.J., Ahumada, A.V. 2010, MNRAS, 402, 2720, “New Fundamental Parameters of the Galactic Open Clusters Berkeley 26, Czernik 27, Melotte 72, NGC 2479 and BH 37”
- Piatti, A.E., Clariá, J.J., Ahumada, A.V. 2010, PASP, 122, 516, “Hogg 12 and NGC 3590: A New Open Cluster Binary System Candidate”
- Piatti, A.E., Clariá, J.J., Ahumada, A.V. 2010, PASP, 122, 288, “NGC 2309: A Relatively Young Open Cluster Projected onto a Random Stellar Concentration”
- Pierce, C.M., Lotz, J.M., et al. 2010, MNRAS, 405, 718, “The Effects of an Active Galactic Nucleus on Host Galaxy Colour and Morphology Measurements”
- Probst, R.G., Abbott, T.M., ... Gregory, B., et al. 2010, SPIE Proc. 7735, ed. I. McLean, S. Ramsay, H. Takami (SPIE), 77353Z, “There and Back Again: Sharing a Major Instrument between Hemispheres”
- Regnault, N., et al. 2009, A&A, 506, 999, “Photometric Calibration of the Supernova Legacy Survey Fields”
- Reinard, A.A., Henthorn, J., Komm, R., Hill, F. 2010, ApJ, 710, L21, “Evidence that Temporal Changes in Solar Subsurface Helicity Precede Active Region Flaring”
- Ribeiro, T., Kafka, S., Baptista, R., Tappert, C. 2010, AJ, 139, 1106, “Activity on the M Star of QS Vir”
- Rice, E.L., Faherty, J.K., Cruz, K.L. 2010, ApJ, 715, L165, “The Lowest-Mass Member of the  $\beta$  Pictoris Moving Group”
- Richard, J., et al. 2010, MNRAS, 404, 325, “LoCuSS: First Results from Strong-Lensing Analysis of 20 Massive Galaxy Clusters at  $z = 0.2$ ”
- Richardson, N.D., et al. 2010, AJ, 139, 1534, “The  $H\alpha$  Variations of  $\eta$  Carinae during the 2009.0 Spectroscopic Event”
- Riedel, A.R., ... Subasavage, J.P., et al. 2010, AJ, 140, 897, “The Solar Neighborhood. XXII. Parallax Results from the CTIOPI 0.9 m Program: Trigonometric Parallaxes of 64 Nearby Systems with  $0''.5 \leq \mu \leq 1''.0 \text{ yr}^{-1}$ ”
- Robberto, M., et al. 2010, AJ, 139, 950, “A Wide-Field Survey of the Orion Nebula Cluster in the Near-Infrared”
- Schaefer, B.E., Collazzi, A.C. 2010, AJ, 139, 1831, “Novae with Long-Lasting Supersoft Emission that Drive a High Accretion Rate”
- Schaefer, B.E., Pagnotta, A., Shara, M.M. 2010, ApJ, 708, 381, “The Nova Shell and Evolution of the Recurrent Nova T Pyxidis”
- Schlieder, J.E., Lépine, S., Simon, M. 2010, AJ, 140, 119, “ $\beta$  Pictoris and AB Doradus Moving Groups: Likely New Low-Mass Members”
- Schumacher, G., ... Abbott, T.M.C., et al. 2010, SPIE Proc. 7740, ed. N.M. Radziwill, A. Bridger (SPIE), 77402H, “The Blanco Telescope TCS Upgrade”

- Schwab, C., Spronck, J.F.P., Tokovinin, A., Fischer, D.A. 2010, SPIE Proc. 7735, ed. I. McLean, S. Ramsay, H. Takami (SPIE), 77354G, “Design of the CHIRON High-Resolution Spectrometer at CTIO”
- Schwamb, M.E., Brown, M.E., Rabinowits, D.L., Ragozzine, D. 2010, ApJ, 720, 1691, “Properties of the Distant Kuiper Belt: Results from the Palomar Distant Solar System Survey”
- Seward, F.D., et al. 2010, AJ, 140, 177, “A CHANDRA Observation of SNR 0540–697”
- Smith, N., Bally, J., Walborn, N.R. 2010, MNRAS, 405, 1153, “HST/ACS H $\alpha$  Imaging of the Carina Nebula: Outflow Activity Traced by Irradiated Herbig-Haro Jets”
- Smith, G.H., Langland-Shula, L.E. 2009, PASP, 121, 1054, “CN Abundance Inhomogeneities among Bright Red Giants in the Globular Clusters NGC 288 and NGC 362”
- Soleri, P., et al. 2010, MNRAS, 406, 1471, “Investigating the Disc-Jet Coupling in Accreting Compact Objects Using the Black Hole Candidate Swift J1753.5– 0127”
- Subasavage, J.P., ... Smith, R.C., et al. 2010, SPIE Proc. 7737, ed. D.R. Silva, A. Peck, B.T. Soifer (SPIE), 77371C, “SMARTS Revealed”
- Subrahmanyan, R., Ekers, R.D., Saripalli, L., Sadler, E.M. 2010, MNRAS, 402, 2792, “ATLBS: The Australia Telescope Low-Brightness Survey”
- Szkody, P., ... Campbell, R.K., ... Howell, S.B., ... Dealaman, S., et al. 2010, ApJ, 716, 1531, “Analyzing the Low State of EF Eridani with Hubble Space Telescope Ultraviolet Spectra”
- Tokovinin, A., Mason, B.D., Hartkopf, W.I. 2010, AJ, 139, 743, “Speckle Interferometry at the Blanco and SOAR Telescopes in 2008 and 2009”
- Torres-Flores, S. et al. 2009, A&A, 507, 723, “Star Formation in the Intragroup Medium and Other Diagnostics of the Evolutionary Stages of Compact Groups of Galaxies”
- Townsend, R.H.D., et al. 2010, ApJ, 714, L318, “Discovery of Rotational Braking in the Magnetic Helium-Strong Star Sigma Orionis E”
- Vaidya, K., Chu, Y-H., Gruendl, R.A., Chen, C.-H. R., Looney, L.W. 2009, ApJ, 707, 1417, “A Hubble Space Telescope View of the Interstellar Environments of Young Stellar Objects in the Large Magellanic Cloud”
- Vazdekis, A, et al. 2010, MNRAS, 404, 1639, “Evolutionary Stellar Population Synthesis with MILES – I. The Base Models and a New Line Index System”
- Villanova, S., Randich, S., Geisler, D., Carraro, G., Costa, E. 2010, A&A, 509, A102, “The Metallicity of the Open Cluster Tombaugh 2”
- Walborn, N.R., et al. 2010, AJ, 139, 1283, “The Onfp Class in the Magellanic Clouds”
- Werk, J.K., et al. 2010, ApJ, 715, 656, “The Metal-Enriched Outer Disk of NGC 2915”
- Werk, J.K., ... Knezek, P.M., ... Smith, R.C., et al. 2010, AJ, 139, 279, “Outlying H II Regions in H I-Selected Galaxies”



Woodley, K.A., et al. 2010, *AJ*, 139, 1871, “The Kinematics of the Globular Cluster System of NGC 5128 with a New Large Sample of Radial Velocity Measurements”

Woodley, K.A., et al. 2010, *ApJ*, 708, 1335, “The Ages, Metallicities, and Alpha Element Enhancements of Globular Clusters in the Elliptical NGC 5128: A Homogeneous Spectroscopic Study with Gemini/Gemini Multi-Object Spectrograph”

Ybarra, J.E., et al. 2010, *ApJ*, 714, 469, “Spitzer and Near-Infrared Observations of a New Bipolar Protostellar Outflow in the Rosette Molecular Cloud”

Yee, J.C., Jensen, E.L.N. 2010, *ApJ*, 711, 303, “A Test of Pre-Main-Sequence Lithium Depletion Models”

Zacharias, N. 2010, *AJ*, 139, 2208, “UCAC3 Pixel Processing”

Zacharias, N., et al. 2010, *AJ*, 139, 2184, “The Third US Naval Observatory CCD Astrograph Catalog (UCAC3)”

Zheng, Z.Y., et al. 2010, *ApJ*, 718, 52, “X-Ray Properties of the  $z \sim 4.5$  Ly $\alpha$  Emitters in the Chandra Deep Field South Region”

Zorotovic, M., et al. 2010, *AJ*, 139, 357, “The Globular Cluster NGC 5286. II. Variable Stars”

## D.2 TELESCOPES AT KITT PEAK NATIONAL OBSERVATORY†

During FY10 (Oct. 2009–Sept. 2010), 162 publications used data taken at the KPNO telescopes:

Abia, C., Cunha, K., ... Hinkle, K., ... Smith, V.V., et al. 2010, *ApJ*, 715, L94, “Fluorine Abundances in Galactic Asymptotic Giant Branch Stars”

Anguita, T., et al. 2009, *A&A*, 507, 35, “COSMOS 5921+0638: Characterization and Analysis of a New Strong Gravitationally Lensed AGN”

Aravena, M., et al. 2010, *ApJ*, 708, L36, “Environment of MAMBO Galaxies in the COSMOS Field”

Aravena, M., et al. 2010, *ApJ*, 719, L15, “Identification of Two Bright  $z > 3$  Submillimeter Galaxy Candidates in the COSMOS Field”

Assef, R.J., et al. 2010, *ApJ*, 713, 970, “Low-Resolution Spectral Templates for Active Galactic Nuclei and Galaxies from 0.03 to 30  $\mu\text{m}$ ”

Barkhouse, W., Yee, H., López-Cruz, O. 2009, *ApJ*, 703, 2024, “The Galaxy Population of Low-Redshift Abell Clusters”

Belokurov, V., et al. 2010, *ApJ*, 712, L103, “Big Fish, Little Fish: Two New Ultra-faint Satellites of the Milky Way”

Bershady, M.A., et al. 2010, *ApJ*, 716, 198, “The DiskMass Survey. I. Overview”

---

† Author Name in bold = NOAO scientific staff member; Author Name underlined = Undergraduate student in Research Experiences for Undergraduates (REU) program