

## C NOAO SCIENTIFIC STAFF PUBLICATIONS

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NOAO Scientific Staff were authors and/or editors on a total of 269 publications in FY10. <sup>†</sup>

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

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

Abt, H. 2009, PASP, 121, 1291, “Reviewing and Revision Times for *The Astrophysical Journal*”

Abt, H. 2009, PASP, 121, 1307, “Stellar Rotation Versus Duplicity in Open Cluster Early-type Stars”

Abt, H.A. 2010, PASP, 122, 1015, “The Origin of the Exoplanets”

Abt, H.A. 2010, PASP, 122, 955, “Have We Reached a Maximum Astronomical Research Output?”

Ali, B., ... Allen, L., et al. 2010, A&A, 518, L119, “Predicted Colors and Flux Densities of Protostars in the Herschel PACS and SPIRE Filters”

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”

Arion, D., ... Pompea, S., et al. 2010, Amateur Astronomy, 67, “Galileoscopes for All”

Austermann, J., ... Pope, A., et al. 2010, MNRAS, 401, 160, “AzTEC Half Square Degree Survey of the SHADES Fields - I. Maps, Catalogues and Source Counts”

Baines, E., ... Ridgway, S.T., et al. 2010, ApJ, 710, 1365, “Angular Diameters and Effective Temperatures of 25 K Giant Stars from the CHARA Array”

Baines, E.K., ... Ridgway, S.T., et al. 2010, AJ, 140, 167, “Ruling Out Possible Secondary Stars to Exoplanet Host Stars Using the CHARA Array”

Balestra, I., ... Dickinson, M., et al. 2010, A&A, 512, A12, “The Great Observatories Origins Deep Survey. VLT/VIMOS Spectroscopy in the GOODS-South Field: Part II”

Bañados, E., Hung, L-W., De Propris, R., West, M.J. 2010, ApJ, 721, L14, “The Faint End of the Galaxy Luminosity Function in A1689: A Steep Red Faint End Upturn at  $z = 0.18$ ”

Basri, G., ... Howell, S., et al. 2010, ApJ, 713, L155, “Photometric Variability in Kepler Target Stars: The Sun among Stars—A First Look”

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<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

- Batalha, N.M., ... Howell, S.B., et al. 2010, ApJ, 713, L103, "Pre-spectroscopic False-Positive Elimination of Kepler Planet Candidates"
- Beccari, G., ... Saha, A., ... Walker, A.R., et al. 2010, ApJ, 720, 1108, "Progressive Star Formation in the Young Galactic Super Star Cluster NGC 3603"
- Beerer, I.M., ... Allen, L.E., et al. 2010, ApJ, 720, 679, "A Spitzer View of Star Formation in the Cygnus X North Complex"
- 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"
- Bono, G., ... Walker, A.R., et al. 2010, PASP, 122, 651, "On the Stellar Content of the Carina Dwarf Spheroidal Galaxy"
- Boroson, T.A., Lauer, T.R. 2010, AJ, 140, 390, "Exploring the Spectral Space of Low Redshift QSOs"
- Borucki, W., ... Howell, S., ... Sherry, W., et al. 2010, Science, 327, 977, "Kepler Planet-Detection Mission: Introduction and First Results"
- Borucki, W.J., ... Howell, S.B., et al. 2010, ApJ, 713, L126, "Kepler-4b: A Hot Neptune-like Planet of a G0 Star Near Main-Sequence Turnoff"
- Bressert, E., ... Allen, L., et al. 2010, MNRAS, L143, "The Spatial Distribution of Star Formation in the Solar Neighbourhood: Do All Stars Form in Dense Clusters?"
- Bruntt, H., ... Ridgway, S.T., et al. 2010, A&A, 512, A55, "The Radius and Effective Temperature of the Binary  $\alpha$  CrB from CHARA/FLUOR and VLT/NACO Observations"
- 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"
- Bussmann, R., Dey, A. 2009, ASP Conf. 408, eds. W. Wang, et al. (ASP), 461, "HST Morphologies of  $z \sim 2$  Dust Obscured Galaxies"
- Bussmann, R., Dey, A., ... Jannuzi, B., et al. 2009, ApJ, 705, 184, "Infrared Luminosities and Dust Properties of  $z \approx 2$  Dust-Obscured Galaxies"
- Cahoy, K., ... Ridgway, S., et al. 2010, SPIE Proc. 7440, ed. S. Shaklan (SPIE), 74400G, "Science Performance of the Pupil-Mapping Exoplanet Coronagraphic Observer (PECO)"
- Calamida, A., ... Walker, A.R., et al. 2009, ApJ, 706, 1277, "Strömgren Photometry of Galactic Globular Clusters. II. Metallicity Distribution of Red Giants in  $\omega$  Centauri"

- Cappellari, M., ... Dickinson, M., et al. 2009, *ApJ*, 704, L34, “Dynamical Masses of Early-Type Galaxies at  $z \sim 2$ : Are they Truly Superdense?”
- Carilli, C.L., ... Dickinson, M., et al. 2010, *ApJ*, 714, 1407, “Imaging the Molecular Gas in a Submillimeter Galaxy at  $z = 4.05$ : Cold Mode Accretion or a Major Merger?”
- Carlberg, J., ... Smith, V., Cunha, K., et al. 2010, *IAU Symp.* 265, eds. K. Cunha, M. Spite, B. Barbuy (Cambridge), 408, “A New Spin on Red Giant Rapid Rotators: Evidence for Chemical Exchange between Planets and Evolved Stars”
- Casey, C., ... Pope, A., et al. 2009, *MNRAS*, 400, 670, “A Search for Neutral Carbon towards Two  $z = 4.05$  Submillimetre Galaxies, GN20 and GN20.2”
- Cassata, P., ... Dickinson, M., ... Lotz, J.M., et al. 2010, *ApJ*, 714, L79, “The Morphology of Passively Evolving Galaxies at  $z \sim 2$  from Hubble Space Telescope/WFC3 Deep Imaging in the Hubble Ultra Deep Field”
- Castellano, M., ... Dickinson, M., et al. 2010, *A&A*, 511, A20, “Evidence of a Fast Evolution of the UV Luminosity Function beyond Redshift 6 from a Deep HAWK-I Survey of the GOODS-S Field”
- Chandar, R., ... Saha, A., ... Walker, A.R., et al. 2010, *ApJ*, 719, 966, “The Luminosity, Mass, and Age Distributions of Compact Star Clusters in M83 Based on Hubble Space Telescope/Wide Field Camera 3 Observations”
- Chapin, E., Pope, A., et al. 2009, *MNRAS*, 398, 1793, “An AzTEC 1.1mm Survey of the GOODS-N Field - II. Multiwavelength Identifications and Redshift Distribution”
- Chemical Abundances in the Universe, *IAU Symp.* 265, eds. K. Cunha, M. Spite, B. Barbuy (Cambridge), 2010.
- Chou, M.-Y., ... Cunha, K., Smith, V.V., et al. 2010, *ApJ*, 720, L5, “The Chemical Evolution of the Monoceros Ring/Galactic Anticenter Stellar Structure”
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- Coppin, K., Pope, A., et al. 2010, *ApJ*, 713, 503, “Mid-Infrared Spectroscopy of Candidate Active Galactic Nuclei-Dominated Submillimeter Galaxies”
- Coppin, K., Pope, A., et al. 2010, *Hunting for the Dark: The Hidden Side of Galaxy Formation*, eds. V. Debattista and C. Popescu (AIP), 80, “Starburst or AGN Dominance in Submillimetre-luminous Candidate AGN?”
- Coppin, K.E.K., ... Dickinson, M., et al. 2010, *MNRAS*, 407, L103, “Detection of Molecular Gas in a Distant Submillimetre Galaxy at  $z = 4.76$  with Australia Telescope Compact Array”
- Correia, S., Zinnecker, H., Ridgway, S.T., McCaughrean, M.J. 2009, *A&A*, 505, 673, “The  $H_2$  Velocity Structure of Inner Knots in HH 212: Asymmetries and Rotation”

- Coughlin, J.L., ... Howell, S.B., et al. 2010, ApJ, 717, 776, “Modeling Multi-wavelength Stellar Astrometry. I. SIM Lite Observations of Interacting Binaries”
- Crighton, N., ... Jannuzi, B., et al. 2010, MNRAS, 402, 1273, “Galaxies at a Redshift of  $\sim 0.5$  around Three Closely Spaced Quasar Sightlines”
- Cunha, K. 2010, IAU Symp. 268, eds. C. Charbonnel, et al. (Cambridge), 243, “Boron Abundances in the Galactic Disk”
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- Daddi, E., ... Dickinson, M., et al. 2010, ApJ, 713, 686, “Very High Gas Fractions and Extended Gas Reservoirs in  $z = 1.5$  Disk Galaxies”
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- Daflon, S., Cunha, K., et al. 2009, AJ, 138, 1577, “Sulfur Abundances in the Orion Association B Stars”
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- Dawson, K., ... Dey, A., ... Jannuzi, B., et al. 2009, AJ, 138, 1271, “An Intensive Hubble Space Telescope Survey for  $z > 1$  Type Ia Supernovae by Targeting Galaxy Clusters”
- De Propris, R., Harrison, C.D., Mares, P.J. 2010, ApJ, 719, 1582, “Mapping the Galactic Halo with Blue Horizontal Branch Stars from the Two-Degree Field Quasar Redshift Survey”
- De Propris, 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”
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- De Young, D. 2010, ApJ, 710, 743, “How Does Radio AGN Feedback Feed Back?”
- De Young, D. 2010, Proceedings of Astroinformatics 2010, ed. G. Djorgovski, “New Science—A View from the VO Perspective”
- Dey, A., et al. 2009, ASP Conf. 408, eds. W. Wang, et al. (ASP), 411, “The Pedigrees of DOGs (Dust-Obscured Galaxies)”
- Di Cecco, A., ... Walker, A.R., et al. 2010, ApJ, 712, 527, “On the  $\Delta V_{\text{HB}}$  bump Parameter in Globular Clusters”

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- Di Stefano, R., Howell, S., et al. 2010, *ApJ*, 712, 142, “A Search for Asteroids, Moons, and Rings Orbiting White Dwarfs”
- 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”
- Digby-North, J.A., ... Reddy, N.A., et al. 2010, *MNRAS*, 407, 846, “Excess AGN Activity in the  $z = 2.30$  Protocluster in HS 1700+64”
- Dokter, E.F.C., Pompea, S.M., Sparks, R.T., Walker, G.E. 2010, *SPIE Proc.* 7783, ed. G. Groot Gregory (SPIE), 778309, “The Development of Formative Assessment Probes for Optics Education”
- Dopita, M., ... Saha, A., ... Walker, A., et al. 2010, *ApJ*, 710, 964, “Supernova Remnants and the Interstellar Medium of M83: Imaging and Photometry with the Wide Field Camera 3 on the Hubble Space Telescope”
- Dopita, M.A., ... Saha, A., Walker, A.R., et al. 2010, *Ap&SS*, 330, 123, “Supernova Remnants, Planetary Nebulae and the Distance to NGC 4214”
- Drory, N., ... Kartaltepe, J., et al. 2009, *ApJ*, 707, 1595, “The Bimodal Galaxy Stellar Mass Function in the COSMOS Survey to  $z \sim 1$ : A Steep Faint End and a New Galaxy Dichotomy”
- Dunham, E.W., ... Howell, S.B., et al. 2010, *ApJ*, 713, L136, “Kepler-6b: A Transiting Hot Jupiter Orbiting a Metal-Rich Star”
- Eisenhardt, P. ... Dey, A., et al. 2010, *AJ*, 139, 2455, “Ultracool Field Brown Dwarf Candidates Selected at  $4.5 \mu\text{m}$ ”
- Elbaz, D., ... Dickinson, M., et al. 2010, *A&A*, 518, L29, “Herschel Unveils a Puzzling Uniformity of Distant Dusty Galaxies”
- 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”
- Erb, D.K., ... Reddy, N.A., et al. 2010, *ApJ*, 719, 1168, “Physical Conditions in a Young, Unreddened, Low-Metallicity Galaxy at High Redshift”
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- 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”

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- Fiorentino, G., ... Lauer, T., Saha, A., Mighell, K., et al. 2010, *ApJ*, 708, 817, “RR Lyrae Variables in M32 and the Disk of M31”
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- Garcia-Hernandez, D.A., ... Hinkle, K.H., et al. 2010, *ApJ*, 714, 144, “Oxygen Isotopic Ratios in Cool R Coronae Borealis Stars”
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- Ghezzi, L., Cunha, K., Smith, V.V., ... Schuler, S.C., et al. 2010, *ApJ*, 720, 1290, “Stellar Parameters and Metallicities of Stars Hosting Jovian and Neptunian Mass Planets: A Possible Dependence of Planetary Mass on Metallicity”
- Glikman, E., ... Dey, A., Jannuzi, B., et al. 2010, *ApJ*, 710, 1498, “The Faint End of the Quasar Luminosity Function at  $z \sim 4$ ”
- Gogarten, S.M., ... Olsen, K., et al. 2010, *ApJ*, 712, 858, “The Advanced Camera for Surveys Nearby Galaxy Survey Treasury. V. Radial Star Formation History of NGC 300”
- González-García, A., Stanghellini, L., et al. 2010, *ApJ*, 710, 1589, “The Intergalactic Stellar Population from Mergers of Elliptical Galaxies with Dark Matter Halos”
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- Greve, T.R., ... Dickinson, M., et al. 2010, *ApJ*, 719, 483, “A LABOCA Survey of the Extended Chandra Deep Field South—Submillimeter Properties of Near-Infrared Selected Galaxies”

- Güdel, M., ... Najita, J.R., et al. 2010, *A&A*, 519, A113, “On the Origin of [Ne II] 12.81  $\mu\text{m}$  Emission from Pre-main Sequence Stars: Disks, Jets, and Accretion”
- Guyon, O., ... Ridgway, S., et al. 2010, *SPIE Proc.* 7440, ed. S. Shaklan (SPIE), 74400F, “Detecting and Characterizing Exoplanets with a 1.4-m Space Telescope: The Pupil Mapping Exoplanet Coronagraphic Observer (PECO)”
- Harbeck, D.R., ... Jacoby, G.H., et al. 2010, *SPIE Proc.* 7735, eds. I. McLean, S. Ramsay, H. Takami (SPIE), 77350G, “The WIYN One Degree Imager: Project Update 2010”
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- Haubois, X., ... Ridgway, S.T., et al. 2009, *A&A*, 508, 923, “Imaging the Spotty Surface of Betelgeuse in the H Band”
- Hiner, K.D., ... Ridgway, S., et al. 2009, *ApJ*, 706, 508, “An Infrared Comparison of Type-1 and Type-2 Quasars”
- Hinkle, K.H., Joyce, R.R., Najita, J.R. 2010, *SPIE Proc.* 7735, eds. I. McLean, S. Ramsay, H. Takami (SPIE), 77356U, “Design Inputs for a High-Performance High-Resolution Near-Infrared Spectrograph”
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- Kolengber, K. ... Kunder, A., et al. 2010, ApJ, 713, L198, "First Kepler Results on RR Lyrae Stars"
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