

PUBLICATIONS  
THOMAS M. BROWN

**REFEREED PAPERS**

- **Brown, T.M.**, Beaton, R., Chiba, M., Ferguson, H.C., Gilbert, K.M., Guhathakurta, P., Iye, M., Kalirai, J.S. Koch, A., Komiyama, Y., Majewski, S.R., Reitzel, D.B., Renzini, A., Rich, R.M., Smith, E., Sweigart, A.V., & Tanaka, M. 2008, “The Extended Star Formation History of the Andromeda Spheroid at 35 Kpc on the Minor Axis,” *ApJL*, accepted, astro-ph/0808.2648
- Clarkson, W., Sahu, K., Anderson, J., Smith, T.E., **Brown, T.M.**, Rich, R.M., Casertano, S., Bond, H.E., Livio, M., Minniti, D., Panagia, N., Renzini, A., Valenti, J., & Zoccali, M. 2008, “Stellar Proper Motions in the Galactic Bulge from deep HST ACS/WFC Photometry,” *ApJ*, accepted.
- **Brown, T.M.**, Smith, E., Ferguson, H.C., Sweigart, A.V., Kimble, R.A., & Bowers, C.W. 2008, “The Dearth of UV-Bright Stars in M32: Implications for Stellar Evolution Theory,” *ApJ*, 682, 319.
- Zech, W.F., Lehner, N., Howk, J.C., Dixon, W.V.D., & **Brown, T.M.** 2008, “The High Velocity Gas toward Messier 5: Tracing Feedback Flows in the Inner Galaxy,” *ApJ*, 679, 460.
- Siana, B., Teplitz, H.I., Colbert, J., Ferguson, H.C., Dickinson, M., **Brown, T.M.**, Conselice, C.J., de Mello, D.F., Gardner, J.P., Giavalisco, M., & Menanteau, F. 2007, “New Constraints on the Lyman Continuum Escape Fraction at  $z$  1.3,” *ApJ*, 668, 62.
- de Jong, R.S., Seth, A.C., Radburn-Smith, D.J., Bell, E.F., **Brown, T.M.**, Bullock, J.S., Courteau, S., Dalcanton, J.J., Ferguson, H.C., Goudfrooij, P., Holfeltz, S., Holwerda, B.W., Purcell, C., Sick, J., & Zucker, D.B. 2007, “Stellar Populations across the NGC 4244 Truncated Galactic Disk,” *ApJ*, 667, L49.
- **Brown, T.M.**, Smith, E., Ferguson, H.C., Guhathakurta, P., Kalirai, J.S., Rich, R.M., Renzini, A., Sweigart, A.V., Reitzel, D., Gilbert, K.M., & Geha, M. 2007, “The Extended Star Formation History of the Andromeda Spheroid at Twenty One Kiloparsecs on the Minor Axis,” *ApJ*, 658, L95.
- **Brown, T.M.**, Smith, E., Ferguson, H.C., Rich, R.M., Guhathakurta, P., Renzini, A., Sweigart, A.V., & Kimble, R.A. 2006, “The Detailed Star Formation History in the Spheroid, Outer Disk, and Tidal Stream of the Andromeda Galaxy,” *ApJ*, 652, 323.
- Sahu, K.C., Casertano, S., Bond, H.E., Valenti, J., Smith, T.E., Minniti, D., Zoccali, M., Livio, M., Panagia, N., Piskunov, N., **Brown, T.M.**, Brown, T., Renzini, A., Rich, R.M., Clarkson, W., & Lubow, S. 2006, “Transiting Extrasolar Planetary Candidates in the Galactic Bulge,” *Nature*, 443, 534.
- Teplitz, H.I., Siana, B., **Brown, T.M.**, Chary, R., Colbert, J.W., Conselice, C., de Mello, D.F., Dickinson, M., Ferguson, H.C., Gardner, J.P., & Menanteau, F. 2006,

“Far-Ultraviolet Imaging of the Hubble Deep Field North: Star Formation in Normal Galaxies at  $z < 1$ ,” *AJ*, 132, 853.

- **Brown, T.M.**, Smith, E., Guhathakurta, P., Rich, R.M., Ferguson, H.C., Renzini, A., Sweigart, A.V., & Kimble, R.A. 2005, “Deep Photometry of Andromeda Reveals Striking Similarities in the Tidal Stream and Spheroid Populations,” *ApJ*, 636, L89.
- **Brown, T.M.**, Ferguson, H.C., Smith, T.E., Kimble, R.A., Sweigart, A.V., Renzini, A., Rich, R.M., & Vandenberg, D.A. 2005, “Stellar Cluster Fiducial Sequences with the Advanced Camera for Surveys,” *AJ*, 130, 1693.
- Mouhcine, M., Ferguson, H.C., Rich, R.M., **Brown, T.M.**, & Smith, T.E. 2005, “Halos of Spiral Galaxies. I. The Tip of the Red Giant Branch as a Distance Indicator,” *ApJ*, 633, 810.
- Mouhcine, M., Ferguson, H.C., Rich, R.M., **Brown, T.M.**, & Smith, T.E. 2005, “Halos of Spiral Galaxies. II. Halo Metallicity-Luminosity Relation,” *ApJ*, 633, 821.
- Mouhcine, M., Rich, R.M., Ferguson, H.C., **Brown, T.M.**, & Smith, T.E. 2005, “Halos of Spiral Galaxies. III. Metallicity Distributions,” *ApJ*, 633, 828.
- **Brown, T.M.**, Ferguson, H.C., Smith, E., Kimble, R.A., Sweigart, A.V., Renzini, A., Rich, R.M., & Vandenberg, D.A. 2004, “Age Constraints for an M31 Globular Cluster from Main Sequence Photometry,” *ApJ*, 613, L125.
- **Brown, T.M.**, Ferguson, H.C., Smith, E., Kimble, R.A., Sweigart, A.V., Renzini, A., & Rich, R.M. 2004, “RR Lyrae Stars in the Andromeda Halo from Deep Imaging with the Advanced Camera for Surveys,” *AJ*, 127, 2738.
- Dixon, W.V.D., **Brown, T.M.**, & Landsman, W.B. 2004, “The Rapidly Rotating, Hydrogen Deficient, Hot Post-Asymptotic Giant Branch Star ZNG 1 in the Globular Cluster M5,” *ApJ*, 600, L43.
- Lanz, T., **Brown, T.M.**, Sweigart, A.V., Hubeny, I., & Landsman, W.B. 2004, “Flash Mixing on the White Dwarf Cooling Curve: FUSE Observations of three He-rich sdB Stars,” *ApJ*, 602, 342.
- **Brown, T.M.** 2004, “The UV Upturn: From M32 to Distant Clusters,” *Ap&SS*, 291, 215.
- Sweigart, A.V., Lanz, T., **Brown, T.M.**, Hubeny, I., & Landsman, W.B. 2003, “Evidence for Flash Mixing in He-rich sdB Stars,” *Ap&SS*, 291, 367.
- **Brown, T.M.**, Ferguson, H.C., Smith, E., Kimble, R.A., Sweigart, A.V., Renzini, A., Rich, R.M., & Vandenberg, D.A. 2003, “Evidence for a Significant Intermediate-Age Population in the M31 Halo from Main Sequence Photometry,” *ApJ*, 592, L17.
- **Brown, T.M.**, Ferguson, H.C., Smith, E., Bowers, C.W., Kimble, R.A., Renzini, A., & Rich, R.M. 2003, “Far-Ultraviolet Emission from Elliptical Galaxies at  $z = 0.33$ ,” *ApJ*, 584, L69.

- Galama, T.J., Reichart, D., **Brown, T.M.**, Kimble, R.A., Price, P.A., Berger, E., Frail, D.A., Kulkarni, S.R., Yost, S.A., Gal-Yam, A., Bloom, J.S., Harrison, F.A., Sari, R., Fox, D., & Djorgovski, S.G. 2003, “Hubble Space Telescope and Ground-Based Optical and Ultraviolet Observations of GRB010222: A Hard Electron Index and Dust Destruction,” *ApJ*, 587, 135.
- Lucas, R.A., Baum, S.A., **Brown, T.M.**, Casertano, S., Conselice, C., de Mello, D., Dickinson, M.E., Ferguson, H.C., Fruchter, A.S., Gardner, J.P., Gilmore, D., Gonzalez-Lopezlira, R., Heyer, I., Hook, R.N., Kaiser, M.E., Mack, J., Makidon, R., Martin, C.L., Mutchler, M., Smith, T.E., Stiavelli, M., Teplitz, H.I., Wiggs, M.S., Williams, R.E., & Zurek D. 2003, “The Hubble Deep Field South Flanking Fields,” *AJ*, 125, 398.
- **Brown, T.M.**, Heap, S.R., Hubeny, I., Lanz, T., & Lindler, D. 2002, “Isolating Clusters with Wolf-Rayet Stars in I Zw 18,” *ApJ*, 579, L75.
- **Brown, T.M.**, Ferguson, H.C., O’Connell, R.W., & Ohl, R.G. 2002, “Photospheric Abundances of the Hot Stars in NGC1399 and Limits on the Fornax Cluster Cooling Flow,” *ApJ*, 568, L19.
- **Brown, T.M.**, Sweigart, A.V., Lanz, T., Landsman, W.B., & Hubeny, I. 2001, “Flash Mixing on the White Dwarf Cooling Curve: Understanding Hot Horizontal Branch Anomalies in NGC 2808,” *ApJ*, 562, 368.
- Williams, R.E., et al. 2000, “The Hubble Deep Field–South: Formulation of the Observing Campaign,” *AJ*, 120, 2735.
- Gardner, J.P., **Brown, T.M.**, & Ferguson H.C. 2000, “Ultraviolet Galaxy Counts from STIS Observations of the Hubble Deep Fields,” *ApJ*, 542, L79.
- **Brown, T.M.**, Kimble, R.A., Ferguson, H.C., Gardner, J.P., Collins, N.R., & Hill, R.S. 2000, “Measurements of the Diffuse Ultraviolet Background and the Terrestrial Airglow with the Space Telescope Imaging Spectrograph,” *AJ*, 120, 1153.
- **Brown, T.M.**, Bowers, C.W., Kimble, R.A., Sweigart, A.V., & Ferguson, H.C. 2000, “Detection and Photometry of Hot Horizontal Branch Stars in the Core of M32,” *ApJ*, 532, 308.
- **Brown, T.M.**, Bowers, C.W., Kimble, R.A., & Ferguson, H.C. 2000, “Far-Ultraviolet Emission from Elliptical Galaxies at  $z = 0.55$ ,” *ApJ*, 529, L89.
- Gardner, J.P., et al. 2000, “The Hubble Deep Field South – STIS Imaging,” *AJ*, 119, 486.
- Yi, S., **Brown, T.M.**, Heap, S., Hubeny, I., Landsman, W., Lanz, T., & Sweigart, A. 2000, “On the Age Estimation of LBDS 53W091,” *ApJ*, 533, 670.
- Savaglio, S., Ferguson, H.C., **Brown, T.M.**, Espey, B.R., Sahu, K.C., Baum, S.A., Carollo, C.M., Kaiser, M.E., Stiavelli, M., Williams, R.E., & Wilson, J. 1999, “The Lyman- $\alpha$  Forest of the QSO in the Hubble Deep Field South,” *ApJ*, 515, L5.
- Kruk, J.W., **Brown, T.M.**, Davidsen, A.F., Espey, B.R., Finley, D.S., & Kriss,

- G.A. 1999, “Final Astro-2 Calibration of the Hopkins Ultraviolet Telescope,” *ApJS*, 122, 299.
- **Brown, T.M.**, Ferguson, H.C., Deharveng, J.-M., & Jedrzejewski, R.I. 1998, “Measurements of Far-UV Emission from Elliptical Galaxies at  $z = 0.375$ ,” *ApJ*, 508, L139.
  - **Brown, T.M.**, Ferguson, H.C., Stanford, S.A., & Deharveng, J.-M. 1998, “Color–Luminosity Relations for the Resolved Hot Stellar Populations in the Centers of M31 and M32,” *ApJ*, 504, 113.
  - Heap, S.R., **Brown, T.M.**, Hubeny, I., Landsman, W., Yi, S., Fanelli, M., Gardner, J.P., Lanz, T., Maran, S.P., Sweigart, A., Kaiser, M.E., Linsky, J., Timothy, J.G., Lindler, D., Beck, T., Bohlin, R.C., Clampin, M., Grady, J., Loiacono, J., & Krebs, C. 1998, “UV Spectral Dating of Stars and Galaxies,” *ApJ*, 492, L131.
  - Mitchell, K.J., Saffer, R.A., Howell, S.B., & **Brown, T.M.** 1998, “A New Sample of Faint B Stars in the Galactic Halo,” *MNRAS*, 295, 225.
  - **Brown, T.M.**, Ferguson, H.C., Davidsen, A.F. & Dorman, B. 1997, “A Far Ultraviolet Analysis of the Stellar Populations in Six Elliptical and S0 Galaxies,” *ApJ*, 482, 685.
  - **Brown, T.M.** 1997, “A Far Ultraviolet Analysis of the Stellar Populations in Elliptical and S0 Galaxies.” Ph.D. Thesis.
  - **Brown, T.M.**, Ferguson, H.C., & Davidsen, A.F. 1996, “A Grid of Model Atmospheres and Synthetic Spectra for the Far Ultraviolet Analysis of Old Stellar Populations,” *ApJ*, 472, 327.
  - **Brown, T.M.**, Ferguson, H.C., & Davidsen, A.F. 1995, “Hopkins Ultraviolet Telescope Observations of Six Elliptical and S0 Galaxies,” *ApJ*, 454, L15.
  - **Brown, T.M.**, Buss, R.H., Jr., Grady, C., & Bjorkman, K. 1995, “The Growth of Solids, Destruction of Molecules, and Shielding of Radiation in the Young Stellar Disk of HD 45677,” *ApJ*, 440, 865.
  - Buss, R.H., Jr., Allen, M., McCandliss, S., Kruk, J., Liu, J.-C., & **Brown, T.M.** 1994, “Evolution of Macromolecular Dust: Far Ultraviolet Spectral Dust Extinction and Gas Absorption of Stellar Light as Measured with the Hopkins Ultraviolet Telescope,” *ApJ*, 430, 630.
  - **Brown, T.**, Cordova, F., Ciardullo, R., Thompson, R., & Bond, H. 1994, “Einstein Observations of Ultrasoft X-ray Sources in the Magellanic Clouds,” *ApJ*, 422, 118.

## CONFERENCE SPEAKING

- “Star Formation Histories in the Andromeda Galaxy,” in *The 211th Meeting of the American Astronomical Society*, Austin, USA, January 2008. **Invited.**
- “Star Formation Histories in Andromeda,” in *Galaxies and Structures Through Cosmic Time*, Venice, Italy, March 2006. **Invited.**
- “Star Formation Histories in Andromeda,” in *Stellar Populations, A Rosetta Stone*

for *Galaxy Formation*, Ringberg Castle, Germany, July 2005. **Invited.**

- “Resolved Stellar Populations in Andromeda,” in *Resolved Stellar Populations*, Cancun, Mexico, April 2005. **Invited.**
- “Star Formation Histories in Andromeda,” in *Structure and Evolution of the Milky Way and Its Surroundings*, Ringberg Castle, Germany, December 2004. **Invited.**
- “Star Formation Histories in the Local Group,” in *Wide Field Imaging from Space*, Berkeley, USA, May 2004. Contributed.
- “The UV Upturn: From M32 to Distant Clusters,” in *Extreme Horizontal Branch Stars and Related Objects*, Staffordshire, UK, June 2003. Contributed.
- “The Star Formation History of the Andromeda Halo,” in *The Local Group as an Astrophysical Laboratory*, Baltimore, USA, May 2003. **Invited.**
- “Mapping the Star Formation History of the Local Group with NHST,” in *The 202nd Meeting of the American Astronomical Society*, Nashville, USA, May 2003. **Invited.**
- “Measurements of the UV Upturn in Local and Intermediate Redshift Ellipticals,” in *Spectrophotometric Dating of Stars and Galaxies*, Annapolis, USA, April 1999. **Invited.**
- “Color–Luminosity Relations for the Resolved Hot Stellar Populations in the Centers of M31 and M32,” in *IAU 192: The Stellar Content of Local Group Galaxies*, Cape Town, South Africa, September 1998. Contributed.
- “A Far Ultraviolet Analysis of the Stellar Populations in Elliptical and S0 Galaxies,” in *The 189th Meeting of the American Astronomical Society*, Toronto, Canada, January 1997. Contributed.
- “A Far Ultraviolet Analysis of the Stellar Populations in Six Elliptical and S0 Galaxies,” in *The Second Stromlo Symposium – The Nature of Elliptical Galaxies*, Canberra, Australia, August 1996. Contributed.

## RECENT SEMINARS AND COLLOQUIA

- “The Formation History of the Andromeda Galaxy.” University of Washington , March 2007.
- “The Formation History of the Andromeda Galaxy.” STScI, February 2007.
- “The Formation History of the Andromeda Galaxy.” Yale, January 2007.
- “The Formation History of the Andromeda Galaxy.” University of Virginia, October 2006.
- “Star Formation Histories in Andromeda.” NASA/GSFC, February 2006.
- “Star Formation Histories in Andromeda.” University of California Santa Cruz, October 2005.
- “Star Formation Histories in Andromeda.” The Johns Hopkins University, March 2005.

- “The Age of the Andromeda Halo.” Michigan State University, October 2004.
- “The Age of the Andromeda Halo.” University of Pennsylvania, October 2004.
- “The Star Formation History in the Andromeda Halo.” The Pennsylvania State University, April 2004.
- “The Star Formation History in the Andromeda Halo.” NASA/GSFC, February 2004.
- “Using Hot Stars to Trace the Evolution of Old Galaxies.” NASA/GSFC, October 2002.

## TECHNICAL PAPERS

- Brown, T.M. 2008, “WFC3 Instrument Science Report 2008-11: WFC3 ETC Update.”
- Brown, T.M., Hartig, G., & Baggett, S. 2008, “WFC3 Instrument Science Report 2008-10: WFC3 TV3 Testing – UVIS Window Contamination.”
- Brown, T.M. 2008, “WFC3 Instrument Science Report 2008-09: WFC3 TV3 Testing – IR Channel Throughput.”
- Brown, T.M. 2008, “WFC3 Instrument Science Report 2008-08: WFC3 TV3 Testing – UVIS Filtered Throughput.”
- Brown, T.M. 2008, “WFC3 Instrument Science Report 2008-07: WFC3 TV3 Testing – UVIS Channel Glints.”
- Brown, T.M. 2008, “WFC3 Instrument Science Report 2008-06: WFC3 TV3 Testing – IR Channel Baffle Scatter.”
- Brown, T.M. 2008, “WFC3 Instrument Science Report 2008-05: WFC3 TV3 Testing – IR Channel Blue Leaks.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-24: UVIS Filtered Throughput.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-23: IR Channel Throughput.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-21: UVIS Channel Glint.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-20: System Throughput on the UVIS Build 2 Detector.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-18: Image Stability.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-16: IR Channel Ghosts and Baffle Scatter.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-09: UVIS Channel Filter Ghosts after Filter Replacement.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-08: Searching for

- Scattered Light on the WFC3 UVIS Build 2 Detector.”
- Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-07: WFC3 System Throughput on the UVIS Build 2 Detector.”
  - Brown, T.M. 2007, “WFC3 Instrument Science Report 2007-06: WFC3 SYNPHOT Data.”
  - S. Baggett, Brown, T.M., Hartig, G., Robberto, M., Boucarut, R., & Telfer, R. 2007, “WFC3 Instrument Science Report 2007-03: Performance of the WFC3 Replacement IR Grisms.”
  - Brown, T.M. 2006, “WFC3 Instrument Science Report 2006-04: Replacing the F093W Filter with the F140W.”
  - Brown, T.M. 2006, “WFC3 Instrument Science Report 2006-03: Filter Throughputs for WFC3 SYNPHOT Support.”
  - Goudfrooij, P. Maíz-Appelániz, J., Brown, T., & Kimble, R. 2006, “STIS Instrument Science Report 2006-01: Charge Transfer Efficiency of the STIS CCD.”
  - Brown, T.M. 2005, “WFC3 Instrument Science Report 2005-22: Results of WFC3 Thermal Vacuum Testing – IR Channel Ghosts and Baffle Scatter.”
  - Brown, T.M. 2005, “WFC3 Instrument Science Report 2005-18: Results of WFC3 Thermal Vacuum Testing – Repeatability of the Channel Select Mechanism.”
  - Bond, H., & Brown, T.M. 2005, “WFC3 Instrument Science Report 2005-16: Scientific Impacts of UVIS Channel Filter Ghosts.”
  - Brown, T.M., Reid, I.N., & Figer, D.F. 2005, “WFC3 Instrument Science Report 2005-12: Results of WFC3 Thermal Vacuum Testing – IR Channel Throughput.”
  - Brown, T.M. 2005, “WFC3 Instrument Science Report 2005-11: Results of WFC3 Thermal Vacuum Testing – Image Stability.”
  - Brown, T.M., & Reid, I.N. 2005, “WFC3 Instrument Science Report 2005-02: Results of WFC3 Thermal Vacuum Testing – UVIS Channel Throughput.”
  - Brown, T.M. 2005, “WFC3 Instrument Science Report 2005-01: Results of WFC3 Thermal Vacuum Testing – UVIS Channel Ghosts.”
  - Brown, T.M., & Lupie, O. 2005, 2004, “WFC3 Instrument Science Report 2004-12: Ambient Testing of UVIS Filter Ghosts.”
  - Brown, T.M., & Lupie, O. 2004, “WFC3 Instrument Science Report 2004-04: Filter Ghosts in the WFC3 UVIS Channel.”
  - Brown, T.M., Lupie, O., Hilbert, B., & Baggett, S. 2003, “WFC3 Instrument Science Report 2003-13: A Throughput Tool for WFC3.”
  - Brown, T.M., et al. 2002, “HST Data Handbook for STIS.”
  - Brown, T.M. 2001, “STIS Instrument Science Report 2001-05: STIS CCD Read Noise During Side-2 Operations.”
  - Brown, T.M. 2001, “STIS Instrument Science Report 2001-03: Temperature

Dependence of the STIS CCD Dark Rate During Side-2 Operations.”

- Brown, T.M. 2002, “STIS Technical Instrument Report 2002-03: Revised Procedures for Creating MAMA P-Flats.”
- Brown, T.M. 2002, “STIS Technical Instrument Report 2002-02: Investigating a New Scheme for Cycling the MAMA Low-Voltage Power Supplies.”

## CONFERENCE PROCEEDINGS

- Clarkson, W., Sahu, K., Anderson, J., Smith, E., Brown, T.M., Casertano, S., Rich, R., Bond, H.E., Livio, M., Minniti, D., Panagia, N., & Renzini, A. 2007, “New Stellar Proper Motions in the Galactic Bulge with HST,” *BAAS*, 39, 786.
- Teplitz, H.I., Siana, B., Bridge, C., Ferguson, H., Giavalisco, M., Dickinson, M., Gardner, J.P., de Mello, D., Brown, T.M., Colbert, & J. 2007, “The Lyman Continuum Escape Fraction at Moderate Redshift,” *BAAS*, 39, 996.
- Bushouse, H.A., Baggett, S., Bond, H., Brown, T., Hartig, G., Hilbert, B., Hill, R., Kimble, R., MacKenty, J., Martel, A., McCullough, P., Petro, L., Rinehart, S., & Robberto, M. 2007, “Wide-Field Camera 3 Ground Testing and Calibration,” *BAAS*, 39, 973.
- Sahu, K.C., Casertano, S., Valenti, J., Bond, H.E., Brown, T.M., Smith, T.E., Clarkson, W., Minniti, D., Zoccali, M., Livio, M., Renzini, A., Rich, R.M., Panagia, N., Lubow, S., Brown, T., & Piskunov, N. 2007, “Planets in the Galactic Bulge: Results from the SWEEPS Project,” in *Extreme Solar Systems*, eds. D. Fischer, F. Rasio, S. Thorsett, & A. Wolszczan (San Francisco: ASP), in press.
- de Jong, R.S., Seth, A.C., Bell, E.F., Brown, T.M., Bullock, J.S., Courteau, S., Dalcanton, J.J., Ferguson, H.C., Goudfrooij, P., Holfeltz, S., Purcell, C., Radburn-Smith, D., & Zucker, D. 2007, “GHOSTS: The Resolved Stellar Outskirts of Massive Disk Galaxies,” in *Stellar Populations as Building Blocks of Galaxies*, eds. A. Vazdekis & R.F. Peletier (Cambridge: Cambridge University Press), 503.
- Brown, T.M., Smith, E., Ferguson, H., Guhathakurta, P., Rich, R., Kalirai, J., Renzini, A., & Sweigart, A. 2007, “The Star Formation History in Andromeda’s Diffuse Stellar Halo,” *BAAS*, 38, 900.
- Ferguson, H.C., Certik, O., Brown, T., Smith, E., Rich, M., Guhathakurta, R., Kalirai, J., Renzini, A., & Sweigart, A. 2007, “Constraints on the Chemical Evolution of the M31 Spheroid,” *BAAS*, 38, 1155.
- Rich, R.M., Brown, T.M., Reitzel, D.B., Ferguson, H., Koch, A., Smith, E., Guhathakurta, P., Kalirai, J., Renzini, A., Kimble, R., Sweigart, A., Gilbert, K., Chiba, M., Iye, M., Komiyama, Y., & Tanaka, M. 2007, “Keck/DEIMOS Spectroscopy of Distant M31 fields with Deep HST Imaging,” *BAAS*, 38, 1155.
- Dixon, W.V., Brown, T.M., Howk, J.C., & Landsman, W.B. 2006, “Does the Line of Sight to M5 Intersect a Highly-Ionized High-Velocity Cloud?” in *Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE*, ed. G. Sonneborn, H.

- Moos, & B.-G. Anderson (San Francisco: ASP), P218.
- Brown, T.M. 2006, “The Star Formation History of the Andromeda Halo,” in *The Local Group as an Astrophysical Laboratory*, ed. M. Livio & T.M. Brown (Cambridge: Cambridge University Press), 111.
  - Brown, T.M., Smith, E., Guhathakurta, P., Rich, R.M., Ferguson, H.C., Renzini, A., Sweigart, A.V., & Kimble, R.A. 2005, “The Violent History of Andromeda,” *BAAS*, 37, 1101.
  - Brown, T.M. 2005, “Star Formation Histories in the Local Group,” *NewAR*, 49, 474.
  - Baggett, S., et al. 2005, “Characterization Tests of WFC3 Filters,” *BAAS*, 37, 1369.
  - Siana, B.D., et al. 2005, “HST Far-Ultraviolet Imaging of the Hubble Ultra Deep Field,” *BAAS*, 37, 1018.
  - Brown, T.M. 2005, “Resolved Stellar Populations in Andromeda,” in *Resolved Stellar Populations*, ed. M. Chavez & D. Valls-Gabaud (San Francisco: ASP), in press.
  - Brown, T.M. 2005, “Stellar Populations and Galactic Star Formation,” in *General Astrophysics and Comparative Planetology with the Terrestrial Planet Finder Missions*, ed. M. Kuchner (Pasadena: JPL), 19.
  - Teplitz, H.I., Brown, T.M., Conselice, C., de Mello, D.F., Dickinson, M.E., Ferguson, H.C., Gardner, J.P., Giavalisco, M., Menanteau, F. 2005, “Far-Ultraviolet imaging of the Hubble Deep Field North,” in *Starbursts: From 30 Doradus to Lyman Break Galaxies*, ed. R. de Grijs and R.M. Gonzalez Delgado (Dordrecht: Springer), P79.
  - Yi, S., Brown, T., Heap, S., Hubeny, I., Landsman, W., Lanz, T., & Sweigart, A. 2005, “Constraining Galaxy Formation Epoch,” in *IAU Symposium 201: New Cosmological Data and the Values of the Fundamental Parameters*, ed. A. Lasenby and A. Wilkinson (San Francisco: ASP), 536.
  - Dixon, W.V., Brown, T.M., Howk, J.C., & Landman, W.B. 2004, “FUSE and STIS Observations of the Post-AGB Star ZNG 1 in the Globular Cluster M5,” *BAAS*, 36, 1426.
  - Dixon, W.V., Brown, T.M., & Landsman, W.B. 2004, “FUSE Observations of the Hot Post-AGB Star ZNG 1 in the Globular Cluster M5,” in *How Does the Galaxy Work?*, ed. E.J. Alfara, E. Pérez, & J. Franco (Dordrecht: Kluwer), 382.
  - Bushouse, H., et al. 2004, “Wide-Field Camera 3 Ground Calibration,” *BAAS*, 36, 1341.
  - Baggett, S.M., et al. 2004, “The Wide Field Camera 3 Detectors,” *BAAS*, 36, 1341.
  - Dixon, W.V.D., Brown, T.M., & Landsman, W.B. 2003, “Iron Abundances of Hot Post-AGB Stars in Globular Clusters,” *BAAS*, 35, 1291.
  - Teplitz, H.I., Brown, T.M., de Mello, D.F., Dickinson, M.E., Ferguson, H.C., Gardner, J.P., Giavalisco, M., & Heap, S.R. 2003, “Far-Ultraviolet Imaging of the Hubble Deep Field North,” *BAAS*, 35, 1350.
  - Davies, J., Goudfrooij, P., Bohlin, R.C., Stys, D.J., Brown, T.M., Walborn, N.R., &

- Proffitt, C.R. 2003, “Flux Calibration of the STIS CCD: Correcting for Charge Transfer Inefficiency and Time-Dependent Sensitivity,” *BAAS*, 35, 704.
- Brown, T.M. 2003, “Mapping the Star Formation History of the Local Group with NHST,” *BAAS*, 35, 768.
  - Lanz, T., Brown, T.M., Sweigart, A.V., Hubeny, I., & Landsman, W.B. 2002, “FUSE Observations of He-rich sdB Stars,” *BAAS*, 34, 1285.
  - Dixon, W.V.D., Brown, T.M., & Landsman, W.B. 2002, “FUSE Observations of the Post-AGB Star ZNG 1 in the Globular Cluster M5,” *BAAS*, 34, 1284.
  - Brown, T.M., Ferguson, H.C., Sweigart, A.V., Kimble, R.A., & Bowers, C.W. 2002, “Using M32 to Study Rapid Phases of Stellar Evolution,” in *New Horizons in Globular Cluster Astronomy*, eds. G. Piotto, G. Meylan, G. Djorgovski, & M. Riello (San Francisco: ASP), 199.
  - Sweigart, A.V., Brown, T.M., Lanz, T., Landsman, W.B., & Hubeny, I. 2002, “A New Formation Mechanism for the Hottest Horizontal-Branch Stars,” in *New Horizons in Globular Cluster Astronomy*, eds. G. Piotto, G. Meylan, G. Djorgovski, & M. Riello (San Francisco: ASP), 313.
  - Dixon, W.V.D., Brown, T.M., & Landsman, W.B. 2002, “FUSE Observations of the Post-AGB Star ZNG 1 in the Globular Cluster M5 (NGC 5904,” in *New Horizons in Globular Cluster Astronomy*, eds. G. Piotto, G. Meylan, G. Djorgovski, & M. Riello (San Francisco: ASP), 236.
  - Brown, T.M., & Davies, J. 2002, “STIS Status after the Switch to Side 2,” in *2002 HST Calibration Workshop*, ed. S. Arribas, A. Koekemoer, & B. Whitmore (Baltimore: STScI), 180.
  - Brown, T.M. 2002, “100 Times Faster and 3 Times Sharper: Background-Dominated Observations of Stellar Populations with an 8-meter Optical-UV Space Telescope,” in *Hubble’s Science Legacy: Future Optical-Ultraviolet Astronomy from Space*, eds. K.R. Sembach, J.C. Blades, G.D. Illingworth, & R.C. Kennicutt (San Francisco: ASP), 351
  - Brown, T.M., Ferguson, H.C., O’Connell, R.W., & Ohl, R.G. 2001, “Photospheric Abundances of the Hot Stars in NGC 1399,” *BAAS*, 33, 1339.
  - Sweigart, A.V., Brown, T.M., Moehler, S., Lanz, T., Landsman, W.B., Hubeny, T., Dreizler, S., & Napiwotzki, R. 2001, “The Origin of Hot Subluminous Horizontal-Branch Stars in Omega Cen and NGC 2808,” *BAAS*, 33, 1512.
  - Ferguson, H.C., Rich, R.M., Brown, T.M., Smith, T.E., & Mouhcine, M. 2001, “The Stellar Halos of Spiral Galaxies beyond the Local Group,” *BAAS*, 33, 1380.
  - Davies, J.E., Brown, T.M., Goudfrooij, P., Proffitt, C., Sahu, K.C., Stys, D., & Valenti, J. 2001, “STIS Status after Switch to Side-2, Calibration and Time-Tag Fixes,” *BAAS*, 33, 1316.
  - Sweigart, A.V., Brown, T.M., Lanz, T., Landsman, W.B., & Hubeny, T. 2002, “The Origin of Hot Subluminous Horizontal-Branch Stars in  $\omega$  Centauri and

- NGC 2808,” in  *$\omega$  Centauri - a unique window into astrophysics*, ed. F. van Leeuwen, G. Piotto, & J. Hughes (San Francisco: ASP), 261.
- Brown, T.M., Sweigart, A.V., Lanz, T., Landsman, W.B., & Hubeny, I. 2001, “Understanding Horizontal Branch Anomalies in NGC 2808,” *BAAS*, 33, 844.
  - Dixon, W.V.D., Brown, T.M., & Landsman, W.B. 2001, “FUSE Observations of the UV-Bright Star ZNG 1 in M5 (NGC 5904),” *BAAS*, 33, 847.
  - Gardner, J.P., Brown, T.M., & Ferguson H.C. 2000, “Ultraviolet Galaxy Counts from STIS Observations of the Hubble Deep Fields,” *BAAS*, 32, 685.
  - Brown, T.M., Bowers, C.W., Kimble, R.A., & Ferguson, H.C. 2000, “The Evolution of Far-UV Emission in Elliptical Galaxies,” *BAAS*, 31, 1385.
  - Yi, S., Brown, T.M., Hubeny, I., Landsman, W., Lanz, T., & Sweigart, A. 1999, “On the Age Estimation of High-Redshift Galaxies,” in *The Hy-Redshift Universe: Galaxy Formation and Evolution at High Redshift*, ed. A.J. Bunker & W.J.M. van Breugel (San Francisco: ASP), 193, 185.
  - Heap, S., Brown, T.M., Hubeny, I., Lanz, T., & Yi, S. 1999, “UV Spectroscopic Dating of Stars and Galaxies,” in *The Hy-Redshift Universe: Galaxy Formation and Evolution at High Redshift*, ed. A.J. Bunker & W.J.M. van Breugel (San Francisco: ASP), 193, 167.
  - Lanz, T., Heap, S., Brown, T.M., Hubeny, I., & Yi, S. 1999, “Dating Intermediate-Age Populations with Main-Sequence A and F-type Stars,” in *Spectrophotometric Dating of Stars and Galaxies*, ed. I. Hubeny, S. Heap, & R. Cornett (San Francisco: ASP), 192, 106.
  - Yi, S., Brown, T.M., Heap, S., Hubeny, I., Landsman, W., Lanz, T., & Sweigart, A. 1999, “On the Age Estimation of High Redshift Galaxies,” in *Spectrophotometric Dating of Stars and Galaxies*, ed. I. Hubeny, S. Heap, & R. Cornett (San Francisco: ASP), 192, 126.
  - Heap, S., Brown, T., Lanz, T., & Yi, S. 1999, “Ultraviolet Spectroscopic Dating of Stars and Galaxies,” *Ap&SS*, 265, 531.
  - Brown, T.M., Bowers, C.W., Kimble, R.A., Sweigart, A.V., & Ferguson, H.C. 1999, “A Deep UV STIS Image of Hot Horizontal Branch Stars in M32,” *BAAS*, 31, 833.
  - Brown, T.M. 1999, “Measurements of the UV Upturn in Local and Intermediate Redshift Ellipticals,” in *Spectrophotometric Dating of Stars and Galaxies*, ed. I. Hubeny, S. Heap, & R. Cornett (San Francisco: ASP), 192, 315.
  - Brown, T.M., Ferguson, H.C., Stanford, S.A., & Deharveng, J.-M. 1999, “Color–Luminosity Relations for the Resolved Hot Stellar Populations in the Centers of M31 and M32,” in *IAU 192: The Stellar Content of Local Group Galaxies*, ed. P. Whitelock & R. Cannon (San Francisco: ASP), 195.
  - Brown, T.M., Ferguson, H.C., Deharveng, J.-M., & Jedrzejewski, R.I. 1998, “Measurements of Far-UV Emission from Elliptical Galaxies at  $z = 0.375$ ,” *BAAS*, 30, 1179.

- Teplitz, H.I., et al. 1998, “The Hubble Deep Field South: Deep uBVRI Imaging of 1/2 Square Degree,” BAAS, 30, 1367.
- Williams, R., et al. 1998, “The Southern Hubble Deep Field: HDF-S,” BAAS, 30, 1366.
- Lucas, R.A., et al. 1998, “The Hubble Deep Field South: Flanking Fields,” BAAS, 30, 1367.
- Ferguson, H.C., et al. 1998, “The Hubble Deep Field South: UV Spectroscopy of QSO J2233-606,” BAAS, 30, 1366.
- Gardner, J.P., et al. 1998, “The Hubble Deep Field South: STIS Imaging,” BAAS, 30, 1366.
- Lanz, T., Heap, S.R., Brown, T., Hubeny, I., & Yi, S. 1998, “Age and Metallicity of F-type Stars,” BAAS, 30, 1173.
- Gull, T.R., et al. 1998, “STIS On-Orbit Testing: Limiting Magnitudes, Spectral Sensitivity, Thermal Flexure and MAMA Time-Tagging,” in *Space Telescopes and Instruments V*, ed. P.Y. Bely & J.B. Breckinridge (Bellingham: SPIE), 3356, 203.
- Brown, T.M., Ferguson, H.C., Stanford, S.A., & Deharveng, J.-M. 1998, “Color–Luminosity Relations for the Resolved Hot Stellar Populations in the Centers of M31 and M32,” BAAS, 29, 1345.
- Brown, T.M., Ferguson, H.C., Stanford, S.A., Deharveng, J.-M., & Davidsen, A.F. 1997, “Hot Evolved Stars in the Centers of M31 and M32,” BAAS, 29, 781
- Landsman, W., Bowers, C., Heap, S., Kimble, R., Sweigart, A., Brown, T., Catelan, M., & Yi, S. 1998, “STIS Ultraviolet Imagery of the Globular Cluster NGC 6681,” BAAS, 29, 1338.
- Heap, S.R., & Brown, T.M. 1997, “Correction for the STIS Echelle Blaze Function,” in *1997 HST Calibration Workshop*, ed. S. Casertano et al. (Baltimore: STScI), 114.
- Brown, T.M., Ferguson, H.C., Stanford, S.A., Deharveng, J.-M., & Davidsen, A.F. 1997, “Hot Evolved Stars in the Centers of M31 and M32,” in *The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution*, ed. W.H. Waller (New York: AIP), 187.
- Ferguson, H.C., & Brown, T.M. 1997, “UV Emission from Elliptical Galaxies Near and Far,” in *The Ultraviolet Universe at Low and High Redshift: Probing the Progress of Galaxy Evolution*, ed. W.H. Waller (New York: AIP), 151.
- Brown, T.M. 1996, “A Far Ultraviolet Analysis of the Stellar Populations in Elliptical and S0 Galaxies,” BAAS, 28, 1351.
- Brown, T.M., Ferguson, H.C., and Davidsen, A.F. 1996, “A Grid of Model Atmospheres and Synthetic Spectra for the Far Ultraviolet Analysis of Old Stellar Populations,” BAAS, 28, 840.
- Ferguson, H.C., Brown, T.M., & Davidsen, A.F. 1996, “Far-UV Line Strengths in

Elliptical Galaxies,” in *From Stars to Galaxies: The Impact of Stellar Physics on Galaxy Evolution*, ed. C. Leitherer, U.F.-V. Alvensleben, & J. Huchra (San Francisco: ASP), 98, 486.

- Brown, T.M., Ferguson, H.C., & Davidsen, A.F. 1996, “A Far Ultraviolet Analysis of the Stellar Populations in Six Elliptical and S0 Galaxies,” in *The Second Stromlo Symposium – The Nature of Elliptical Galaxies*, ed. M. Arnaboldi, G.S. Da Costa, & P. Saha (San Francisco: ASP), 116, 220.
- Brown, T.M., Ferguson, H.C., & Davidsen, A.F. 1995, “Hopkins Ultraviolet Telescope Observations of Six Elliptical and S0 Galaxies,” *BAAS*, 27, 834.
- Brown, T.M., Buss, R.H., Jr., Grady, C., Bjorkman, K., & Schulte-Ladbeck, R. 1993, “The Growth of Solids, Destruction of Molecules, and Shielding of Radiation in the Young Stellar Disk of HD 45677,” *BAAS*, 25, 1353.
- Buss, R.H., Jr., Allen, M., McCandless, S., Kruk, J., Liu, J.-C., & Brown, T. 1993, “Evolution of Macromolecular Dust from HUT FUV Observations of Stars,” *BAAS*, 25, 1443
- Brown, T., Cordova, F., Ciardullo, & Bond, H. 1992, “Einstein Observations of Ultrasoft X-ray Sources in the Magellanic Clouds,” *BAAS*, 24, 771.