Thomas G. Beatty – Publication List

Summary

58 papers total, 12 first author or supervised papers, and 11 with a significant contribution. H-index of 18 (via Google Scholar)

First-Author and Supervised Publications

12. A Transiting Brown Dwarf Substantially Hotter than Model Predictions
   Beatty, T. G., Morley, C., Curtis, J., and 4 coauthors,
   2017, AAS Journals, submitted

11. Identifying Potentially Transiting Long-period Brown Dwarfs Using Gaia Astrometry
    Beatty, T. G.,

10. The Broadband and Spectrally-Resolved H-band Eclipse of KELT-1b and the Role of Surface Gravity in Stratospheric Inversions in Hot Jupiters
    Beatty, T. G., Madhusudhan, N., Pogge, R., and 4 coauthors,

   Beatty, T. G., Madhusudhan, N., Tsiaras, A., and 5 coauthors,
   2017, AJ, 154, 158

8. The Role of Precise Photometric Transit Observations in the Era of Gaia Illustrated Using Transit Observations of KELT-11b from Spitzer
   Beatty, T. G., Stevens, D. J., Collins, K. A., and 7 coauthors,

   Cartier, K. M. S., Beatty, T. G., Zhao, M., and 8 coauthors,

6. Sources of Statistical Uncertainty in Precision Radial Velocities and Their Approximations
   Beatty, T. G., & Gaudi, B. S.,
   2015, PASP, 127, 1240

5. Spitzer and z’ Secondary Eclipse Observations of the Highly Irradiated Transiting Brown Dwarf KELT-1b
   Beatty, T. G., Collins, K. A., Fortney, J., and 9 coauthors,

4. KELT-2Ab: A Hot Jupiter Transiting the Bright (V = 8.77) Primary Star of a Binary System
   Beatty, T. G., Pepper, J., Siverd, R. J., and 28 coauthors,

3. Transit Probabilities for Stars with Stellar Inclination Constraints
   Beatty, T. G., & Seager, S., 2010,

2. Predicting the Yields of Photometric Surveys for Transiting Extrasolar Planets
   Beatty, T. G., & Gaudi, B. S., 2008,

   Beatty, T. G., Fernandez, J. M., Latham, D. W., and 7 coauthors,
Significant Contribution Publications

11. A Giant Planet Undergoing Extreme-Ultraviolet Irradiation by its hot Massive-Star Host
   Gaudi, B. S., Stassun, K. G., Collins, K. A., **Beatty, T. G.**, and 42 coauthors,
   2017, Nature, 546, 514

10. KELT-12b: A $P \sim 5$ Day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star
    Stevens, D. J., Collins, K. A., Gaudi, B. S., **Beatty, T. G.**, and 45 coauthors,

9. KELT-17b: A hot-Jupiter Transiting an A-star in a Misaligned Orbit Detected with Doppler
    Tomography
    Zhou, G., Rodriguez, J. E., Collins, K. A., **Beatty, T. G.**, and 44 coauthors,

8. Spin-orbit Alignment for KELT-7b and HAT-P-56b via Doppler Tomography with TRES
    Zhou, G., Latham, D. W., Bieryla, A., **Beatty, T. G.**, and 4 coauthors,

7. KELT-4Ab: An Inflated Hot Jupiter Transiting the Bright (V 10) Component of a Hierarchical
    Triple
    Eastman, J. D., **Beatty, T. G.**, Siverd, R. J., and 42 coauthors,
    2016, AJ, 151, 45

6. KELT-8b: A Highly Inflated Transiting Hot Jupiter and a New Technique for Extracting
    High-precision Radial Velocities from Noisy Spectra
    Fulton, B. J., Collins, K., Gaudi, B. S., and 29 coauthors including **Beatty, T. G.**, 

5. KELT-7b: A Hot Jupiter Transiting a Bright $V = 8.54$ Rapidly Rotating F-star
    Bieryla, A., Collins, K., **Beatty, T. G.**, and 31 coauthors,
    2015, AJ, 150, 12

   Science Results
   2015, JATIS, 1, 027002

3. KELT-6b: A $P \sim 7.9$ d Hot Saturn Transiting a Metal-Poor Star with a Long-Period Companion
   Collins, K. A., Eastman, J. D., **Beatty, T. G.**, and 39 coauthors,
   2013, AJ, 147, 39

2. KELT-3b: A Hot Jupiter Transiting a $V=9.8$ Late-F Star
   Pepper, J., Siverd, R. J., **Beatty, T. G.**, and 31 coauthors,

1. KELT-1b: A Strongly Irradiated, Highly Inflated, Short Period, 27 Jupiter-mass Companion
   Transiting a Mid-F Star
   Siverd, R. J., **Beatty, T. G.**, Pepper, J., and 29 coauthors,

Other Refereed Publications

35. KELT-19Ab: A $P \sim 4.6$ Day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar
    Companion
    Siverd, R. J., Collins, K. A., Zhou, G., and 45 coauthors including **Beatty, T. G.**, 
    2017, AAS Journals, submitted

34. Identification of Young Stellar Variables with KELT for K2 II: The Upper Scorpius Association
    Ansdel, M., Oelkers, R. J., Rodriguez, J. E., and 13 coauthors including **Beatty, T. G.**, 

33. KELT-20b: A Giant Planet With a Period of $P \sim 3.5$ Days Transiting the $V \sim 7.6$ Early A-Star
    HD 185603
    Lund, M. B., Rodriguez, J. E., Zhou, G., and 46 coauthors including **Beatty, T. G.**, 
    2017, AJ, 154, 194
32. Identification of Young Stellar Variables with KELT for K2 I: Campaign 13 Taurus Dippers and Rotators
   Rodriguez, J. E., Ansdell, M., Oelkers, R. J., and 13 coauthors including Beatty, T. G.,
31. Toward Space-like Photometric Precision from the Ground with Beam-shaping Diffusers
   Stefansson, G., Mahadevan, S., Hebb, L., and 21 coauthors including Beatty, T. G.,
30. WASP-167b/KELT-13b: Joint Discovery of a hot Jupiter Transiting a Rapidly Rotating F1V Star
   Temple, L. Y., Hellier, C., Albrow, M. D., and 42 coauthors including Beatty, T. G.,
29. Periodic Eclipses of the Young Star PDS 110 Discovered with WASP and KELT Photometry
   Osborn, H. F., Rodriguez, J. E., Kenworthy, M. A., and 28 coauthors including Beatty, T. G.,
28. Space Telescope and Optical Reverberation Mapping Project. VII. Understanding the Ultraviolet Anomaly in NGC 5548 with X-Ray Spectroscopy
   Mathur, S., Gupta, A., Page, K., and 147 coauthors including Beatty, T. G.,
27. A Bright Short Period M-M Eclipsing Binary from the KELT Survey: Magnetic Activity and the Mass-Radius Relationship for M Dwarfs
   Lubin, J. B., Rodriguez, J. E., Zhou, G., and 25 coauthors including Beatty, T. G.,
26. Reverberation Mapping of Optical Emission Lines in Five Active Galaxies
   Fausnaugh, M. M., Grier, C. J., Bentz, M. C. and 68 coauthors including Beatty, T. G.,
25. Space Telescope and Optical Reverberation Mapping Project. V. Optical Spectroscopic Campaign and Emission-line Analysis for NGC 5548
   Pei, L., Fausnaugh, M. M., Barth, A. J., and 152 coauthors including Beatty, T. G.,
24. The Mysterious Dimmings of the T Tauri Star V1334 Tau
   Rodriguez, J. E., Zhou, G., Cargile, P. A., and 35 coauthors including Beatty, T. G.,
23. Multiwavelength Transit Observations of the Candidate Disintegrating Planetesimals Orbiting WD 1145+017
   Croll, B., Dalba, P. A., Vanderburg, A., and 13 coauthors including Beatty, T. G.,
22. KELT-18b: Puffy Planet, Hot Host, Probably Perturbed
   McLeod, K. K., Rodriguez, J. E., Oelkers, R. J., and 54 coauthors including Beatty, T. G.,
21. Photometric Variability of the Be Star Population
   Labadie-Bartz, J., Pepper, J., McSwain, M. V., and 11 coauthors including Beatty, T. G.,
20. KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the V=8 Subgiant HD 93396
   Pepper, J., Rodriguez, J. E., Collins, K. A., and 34 coauthors including Beatty, T. G.,
19. KELT-16b: A Highly Irradiated, Ultra-Short Period hot Jupiter Nearing Tidal Disruption
   Oberst, T. E., Rodriguez, J. E., Colon, K. D., and 46 coauthors including Beatty, T. G.,
18. DM Ori: A Young Star Occulted by a Disturbance in its Protoplanetary Disk
   Rodriguez, J. E., Stassun, K. G., Cargile, P., and 18 coauthors including Beatty, T. G.,
17. C IV Broad Absorption Line Acceleration in Sloan Digital Sky Survey Quasars
   Grier, C. J., Brandt, W. N., Hall, P. B., and 9 coauthors including Beatty, T. G.,

16. An Extreme Analogue of ε Aurigae: An M-giant Eclipsed Every 69 Years by a Large Opaque
   Disk Surrounding a Small Hot Source
   Rodriguez, J. E., Stassun, K. G., Lund, M. B., and 10 coauthors including Beatty, T. G.,
   2016, AJ, 151, 123

15. Recurring Occultations of RW Aurigae by Coagulated Dust in the Tidally Disrupted
   Circumstellar Disk
   Rodriguez, J. E., Reed, P. A., Siverd, R. J., and 7 coauthors including Beatty, T. G.,
   2016, AJ, 151, 29

14. KELT-14b and KELT-15b: An Independent Discovery of WASP-122b and a New Hot Jupiter
   Rodriguez, J. E., Colon, K. D., Stassun, K. G., and 28 coauthors including Beatty, T. G.,

13. KELT-10b: The First Transiting Exoplanet from the KELT-South Survey – A Hot Sub-Jupiter
   Transiting a V = 10.7 Early G-Star
   Kuhn, R. B., Rodriguez, J. E., Collins, K. A., and 30 coauthors including Beatty, T. G.,

12. V409 Tau as Another AA Tau: Photometric Observations of Stellar Occultations by the
   Circumstellar Disk
   Rodriguez, J. E., Pepper, J., Stassun, K. G., and 4 coauthors including Beatty, T. G.,
   2013, AJ, 146, 112

11. Reverberation Mapping of the Seyfert 1 Galaxy NGC 7469
   Peterson, B. M., Grier, C. J., Horne, K., and 46 coauthors including Beatty, T. G.,

10. Occultation of the T Tauri Star RW Aurigae A by its Tidally Disrupted Disk
   Rodriguez, J. E., Pepper, J., Stassun, K. G., and 4 coauthors including Beatty, T. G.,
   2013, AJ, 146, 112

9. MOA-2010-BLG-328Lb: a sub-Neptune Orbiting Very Late M-dwarf?
   Furusawa, K., Udalski, A., Sumi, T., and 119 coauthors including Beatty, T. G.,

8. MOA-2010-BLG-311: A Planetary Candidate below the Threshold of Reliable Detection
   Yee, J. C., Hung, L.-W., Bond, I. A., and 129 coauthors including Beatty, T.G.,

7. A Cautionary Tale: MARVELS Brown Dwarf Candidate Reveals Itself to be a Very Long Period,
   Highly Eccentric Spectroscopic Stellar Binary
   Mack, C. E. III, Ge, J, Deshpande, R, and 42 coauthors including Beatty, T.G.,
   2013, AJ, 145, 139

6. The Structure of the Broad-line Region in Active Galactic Nuclei. I. Reconstructed
   Velocity-delay Maps
   Grier, C. J., Peterson, B. M., Horne, K., and 38 coauthors including Beatty, T.G.,

5. MOA-2010-BLG-523: “Failed Planet” = RS CVn Star
   Gould, A., Yee, J. C., Bond, I. A., and 122 coauthors including Beatty, T.G.,

4. Very Low Mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. II.
   A Short-period Companion Orbiting an F Star with Evidence of a Stellar Tertiary and
   Significant Mutual Inclination
   Fleming, S. W., Ge, J., Barnes, R., Beatty, T. G., and 58 coauthors,
   2012, AJ, 144, 72
3. *Reverberation Mapping Results for Five Seyfert 1 Galaxies*

2. *A Reverberation Lag for the High-ionization Component of the Broad-line Region in the Narrow-line Seyfert 1 Mrk 335*

1. *The Transit Light Curve Project. XI. Submillimagnitude Photometry of Two Transits of the Bloated Planet WASP-4b*