

Leslie Hebb

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Research Interests

Fundamental properties of stars and planets
Formation and evolution of planetary systems
Rotation and magnetic activity on low mass stars

Education

Ph.D., Astrophysics, THE JOHNS HOPKINS UNIVERSITY (2006)
Advisor: Professor Rosemary F. G. Wyse
Photometric Monitoring of Open Clusters: The M dwarf Mass-Luminosity-Radius Relation
M.S., Astrophysics THE JOHNS HOPKINS UNIVERSITY (2002)
B.S., Electrical Engineering, magna cum laude, UNIVERSITY OF DENVER (1996)

Appointments & Competitive Internships

Research Assistant Professor (2011 – Present) at VANDERBILT UNIVERSITY
Postdoctoral Research Associate (2009 – 2011) at VANDERBILT UNIVERSITY
Honorary Lecturer (2009) at UNIVERSITY OF ST ANDREWS
Postdoctoral Research Assistant (2006 – 2009) at UNIVERSITY OF ST ANDREWS
Graduate Student Research Assistant with Professor Rosemary Wyse (2001 – 2006) at
THE JOHNS HOPKINS UNIVERSITY
Graduate Student Teaching Assistant (1998 – 2004) at THE JOHNS HOPKINS UNIVERSITY
Student at Computing Our Universe Summer School (1999) at
UNIVERSITY OF MASSACHUSETTS, AMHERST
Summer Student Fellow (1998) at SPACE TELESCOPE SCIENCE INSTITUTE
Intern with International Association for the Exchange of Technical Students (1996-1997) at
RESEARCH INSTITUTE FOR DANISH ELECTRIC UTILITIES
Summer Student Fellow (1995) at WOODS HOLE OCEANOGRAPHIC INSTITUTION

Grants

NSF Astronomy & Astrophysics Grant AST 1009810, PI, \$354,000 (2010 – 2013)
Bringing eclipsing binary stars to the next level of benchmark precision
NSF Astronomy & Astrophysics Grant AST 1109612, Co-PI, \$363,000 (2011 – 2014)
Triangulating on the Ages of Stars: Using Open Clusters to Calibrate Stellar Chronometers

Teaching

Co-Instructor, reading course in *'The Art of Being a Scientist: A Guide for Graduate Students and their Mentors (Graduate)*, VANDERBILT UNIVERSITY (2011)
Co-Instructor, *Exoplanets (Graduate)*, VANDERBILT UNIVERSITY (2010)
Co-Lecturer, *Exoplanets (Undergraduate)*, UNIVERSITY OF ST ANDREWS (2007 – 2009)
Teaching Assistant, *Galactic Dynamics (Graduate)*, JOHNS HOPKINS UNIV. (2002)
Teaching Assistant, *General Physics (Undergraduate)*, JOHNS HOPKINS UNIV. (1998 – 2003)
Head Teaching Assistant, *General Physics (Undergraduate)*,
JOHNS HOPKINS UNIVERSITY (1999 – 2001)

Students Advised or Co-advised

PhD Thesis Students

Trey Mack (2010 – Present)

Undergraduate Honors Thesis Students

Woody Austin (2011 – Present), Rebecca Rattray (2010 – 2011),
Colin Simpson (2008 – 2009), John Ilee (2008 – 2009), Amy Cowan (2006 – 2007)

Undergraduate Summer Students

Woody Austin (2011), Rebecca Rattray (2010), Alexander Richert (2010),
Heather Cegla (2009), Emily Ramsden (2008), John Rostron (2007)

Observing Experience (Selected successful proposals)

Co-I (Science-PI), 3.6m-CFHT + ESPaDOnS (optical spectropolarimeter), 16h (2011)
*Understanding the M dwarf Radius Discrepancy at the Fundamental Level:
Magnetic Field Mapping of Two M dwarf Eclipsing Binaries*

PI, 10m-Keck II + NIRSPEC (NIR spectrograph), 3n (2011)
Precise Calibration of Stellar Evolution Models in the M dwarf Regime

PI, 8m-Gemini-N + GNIRS (NIR spectrograph), 4.9n (2011)
Defining the M dwarf mass-radius relation as a function of activity & metallicity: RV Curves

Co-I, 3.6m-NTT + SOFI (NIR camera), 9n (2011)
*Calibrating the M dwarf mass-radius-temperature relation:
NIR light curves of eclipsing M dwarfs*

PI, 4m-KPNO + Echelle (optical spectrograph), 6n (2010 – 2011)
*Defining the M dwarf Mass-Radius relation as a function of activity & metallicity:
Stellar Characterization*

Co-I, 8m-VLT + HAWK-I (NIR imager), (2009 – 2010)
*Studying the atmosphere of extrasolar planets with the VLT:
HAWK-I occultation photometry for highly irradiated transiting planets*

Co-I, (Science-PI), 8m-VLT + UVES (optical spectrograph), 3h (2009)
Fundamental properties of a new, 15-Myr young and low-mass eclipsing binary system

PI, 1m-CTIO + Y4kCam (optical camera), 49n (TAC Rank 10/10), (2005 – 2006)
Photometric Monitoring of AU Mic: Searching for Planetary Transits

Honors & Awards

ARCS Foundation Scholarship (2003)
ZONTA International Amelia Earhart Fellow (2001)
Graduate Student Teaching Award, JOHNS HOPKINS PHYSICS & ASTRONOMY DEPT. (2000)
Winner, *Future of NASA Essay Contest*, MARYLAND SPACE GRANT CONSORTIUM (1999)
Phi Beta Kappa Honor Society (1996 – Present)
University of Denver Outstanding Senior Woman (1996)
Society of Women Engineers/Hewlett-Packard Scholarship (1995)
Cibrowski Foundation Scholarship (1995)
IBM Scholars Program (1994)

Outreach Activities

Demonstrator for the St Andrews Exoplanets exhibit, Edinburgh Science Festival (2009)
Astronomy Expert for the public observing night, Museum of St Andrews (2009)
Observer and Astronomy Expert for public astronomy nights, James Gregory Telescope,
UNIVERSITY OF ST ANDREWS (2006-2009)
Inflatable Planetarium Demonstrator at local elementary schools in Fife, Scotland (2008)
Women in Physics Group Organizer, Johns Hopkins University (1999 – 2003)
'Space Expert', Lanacane Itching to Know Science Contest (1999)
Student Chapter Secretary, Society of Women Engineers,
UNIVERSITY OF DENVER (1994 – 1996)
Student Chapter President, Institute of Electrical Engineers,
UNIVERSITY OF DENVER (1994 – 1995)
IEEE Student Professional Awareness Conference Coordinator,
UNIVERSITY OF DENVER (1994 – 1995)

Professional Service & Memberships

Member, American Astronomical Society
Member, Cool Stars 17 Scientific Organizing Committee
Referee, Monthly Notices of the Royal Astronomical Society
Referee, Astrophysical Journal

References

Keivan G. Stassun

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First Author Refereed Publications

1. **Hebb, L.**; Cegla, H. M.; Stassun, K. G.; Stempels, H. C.; Cargile, P. A.; & Palladino, L. E., ‘*Precise orbit solution of MML 53, a low-mass, pre-main sequence eclipsing binary in Upper Centaurus Lupus*’, 2011, A&A, 531, 61
2. **Hebb, L.**; Stempels, H.C.; Aigrain, S.; Collier-Cameron, A.; Hodgkin, S. T.; Irwin, J. M.; Maxted, P. F. L.; Pollacco, D.; Street, R. A.; Wilson, D. M.; & Stassun, K. G., ‘*MML 53: a new low-mass, pre-main sequence eclipsing binary in the Upper Centaurus Lupus region discovered by SuperWASP*’, 2010, A&A, 522, 37
3. **Hebb, L.**; Collier-Cameron, A.; A.H.M.J. Triaud; T.A. Lister; B. Smalley; P.F.L. Maxted; C. Hellier; D.R. Anderson; D. Pollacco; M.Gillon; D. Queloz; R.G. West; S.Bentley; B. Enoch; C.A. Haswell; K. Horne, M. Mayor; F. Pepe; D. Segransan; I. Skillen; S. Udry; & P.J. Wheatley, ‘*WASP-19b: the shortest period exoplanet yet discovered*’, 2010, ApJ, 708, 224
4. **Hebb, L.**; Collier-Cameron, A.; Loeillet, B., Pollacco, D.; Hebrard, G.; Street, R.A.; Bouchy, F.; Stempels, H.C.; Moutou, C.; Simpson E.; Udry, S.; Yoshi, Y.C.; West, R.G.; Skillen I.; Wilson, D.M.; McDonald, I.; Gibson, N.P.; & the SuperWASP Constortium, ‘*WASP-12b: The hottest transiting planet yet discovered*’, 2009, ApJ, 693,1920
5. **Hebb, L.**; Petro, L.; Ford, H.C.; Ardila, D.R.; Toledo, I.; Minniti, D.; Golimowski, D.A.; & Clampin, M., ‘*A search for planets transiting the M-dwarf debris disc host, AU Microscopii*’, 2007, MNRAS, 379, 63
6. **Hebb, L.**, Wyse, R.F.G, Gilmore, G., & Holtzman, J., ‘*Photometric Monitoring of Open Clusters II: A New M-dwarf Eclipsing Binary System in NGC 1647*’, 2006, AJ, 131, 555
7. **Hebb, L.**, Wyse, R.F.G, & Gilmore, G., ‘*Photometric Monitoring of Open Clusters I: The Survey*’, 2004, AJ, 128, 288.

Non-First Author Refereed Publications

8. Gomez Maqueo Chew, Y.; Stassun, K. G.; Prsa, A.; Stempels, H.C.; **Hebb, L.**; Barnes, R.; Heller, R.; & Mathieu, R. D.; ‘*Luminosity Discrepancy in the Equal-mass, Pre-main-sequence Eclipsing Binary Par 1802: Non-coevality or Tidal Heating?*’ 2012, ApJ, 745, 58
9. Nymeyer, S.; Harrington, J.; Hardy, R. A.; Stevenson, K. B.; Campo, C. J.; Madhusudhan, N.; Collier-Cameron, A.; Lored, T. J.; Bleicic, J.; Bowman, W. C.; Britt, C. B. T.; Cubillos, P.; Hellier, C.; Gillon, M.; Maxted, P. F. L.; **Hebb, L.**; Wheatley, P. J.; Pollacco, D.; Anderson, D. R. ‘*Spitzer Secondary Eclipses of WASP-18b*’, 2011, ApJ, 742, 35
10. Fleming, S. W.; Maxted, P. F. L.; **Hebb, L.**; Stassun, K. G.; Ge, J.; Cargile, P. A.; Ghezzi, L.; De Lee, N. M.; Wisniewski, J.; & the MARVELS Collaboration, ‘*Eclipsing Binary Science Via the Merging of Transit and Doppler Exoplanet Survey Data - A Case Study With the MARVELS Pilot Project and SuperWASP*’, 2011, AJ, 142, 50
11. Brown, D. J. A.; Collier Cameron, A.; Hall, C.; **Hebb, L.**; Smalley, B., ‘*Are falling planets spinning up their host stars?*’, 2011, MNRAS, 415, 3023
12. Garcia, E. V.; Stassun, K. G.; **Hebb, L.**; Gomez Maqueo Chew, Y.; & Heiser, A., ‘*Apsidal Motion of the Massive, Benchmark Eclipsing Binary V578 Mon*’ 2011, AJ, 142, 27
13. Simpson, E. K.; Pollacco, D.; Cameron, A. Collier; Hbrard, G.; Anderson, D. R.; Barros, S. C. C.; Boisse, I.; Bouchy, F.; Faedi, F.; Gillon, M.; **Hebb, L.**; & the SuperWASP Consortium, ‘*The spin-orbit angles of the transiting exoplanets WASP-1b, WASP-24b, WASP-38b and HAT-P-8b from Rossiter-McLaughlin observations*’, 2011, MNRAS, 414, 3023
14. Triaud, A. H. M. J.; Queloz, D.; Hellier, C.; Gillon, M.; Smalley, B.; **Hebb, L.**; & the SuperWASP Consortium, ‘*WASP-23b: a transiting hot Jupiter around a K dwarf and its Rossiter-McLaughlin effect*’, 2011, A&A, 531, 24

15. Delorme, P.; Collier Cameron, A.; **Hebb, L.**; Rostron, J.; Lister, T. A.; Norton, A. J.; Pollacco, D.; & West, R. G., ‘*Stellar rotation in the Hyades and Praesepe: gyrochronology and braking time-scale*’ 2011, MNRAS, 413, 2218
16. Simpson, E. K.; Barros, S. C. C.; Brown, D. J. A.; Collier Cameron, A.; Pollacco, D.; Skillen, I.; Stempels, H. C.; Boisse, I.; Faedi, F.; Hbrard, G.; McCormac, J.; Sorensen, P.; Street, R. A.; Anderson, D.; Bento, J.; Bouchy, F.; Butters, O. W.; Enoch, B.; Haswell, C. A.; **Hebb, L.**; & the SuperWASP Consortium, ‘*Independent Discovery of the Transiting Exoplanet HAT-P-14b*’, 2011, AJ, 141, 161
17. Lee, B. L.; Ge, J.; Fleming, S. W.; Stassun, K. G.; Gaudi, B. S.; Barnes, R.; Mahadevan, S.; Eastman, J. D.; Wright, J., & the MARVELS Collaboration, ‘*MARVELS-1b: A Short-period, Brown Dwarf Desert Candidate from the SDSS-III Marvels Planet Search*’, 2011, ApJ, 728, 32
18. Campo, C. J.; Harrington, J.; Hardy, R. A.; Stevenson, K. B.; Nymeyer, S.; Ragozzine, D.; Lust, N. B.; Anderson, D. R.; Collier-Cameron, A.; Blecic, J.; Britt, C. B. T.; Bowman, W. C.; Wheatley, P. J.; Lored, T. J.; Deming, D.; **Hebb, L.**; Hellier, C.; Maxted, P. F. L.; Pollaco, D.; West, R. G., ‘*On the Orbit of Exoplanet WASP-12b*’, 2011, ApJ, 727, 125
19. Madhusudhan, N.; Harrington, J.; Stevenson, K. B.; Nymeyer, S.; Campo, C. J.; Wheatley, P. J.; Deming, D.; Blecic, J.; Hardy, R. A.; Lust, N. B.; Anderson, D. R.; Collier-Cameron, A.; Britt, C. B. T.; Bowman, W. C.; **Hebb, L.**; Hellier, C.; Maxted, P. F. L.; Pollacco, D.; West, R. G., ‘*A high C/O ratio and weak thermal inversion in the atmosphere of exoplanet WASP-12b*’, 2011, Nature, 469, 64
20. Enoch, B.; Cameron, A. Collier; Anderson, D. R.; Lister, T. A.; Hellier, C.; Maxted, P. F. L.; Queloz, D.; Smalley, B.; Triaud, A. H. M. J.; West, R. G.; Brown, D. J. A.; Gillon, M.; **Hebb, L.**; & the SuperWASP Consortium, ‘*WASP-25b: a 0.6 MJ planet in the Southern hemisphere*’, 2011, MNRAS, 410, 1613
21. Faedi, F.; West, R. G.; Burleigh, M. R.; Goad, M. R.; **Hebb, L.**, ‘*Detection limits for close eclipsing and transiting substellar and planetary companions to white dwarfs in the WASP survey*’, 2011, MNRAS, 410, 899
22. Simpson, E. K.; Faedi, F.; Barros, S. C. C.; Brown, D. J. A.; Collier Cameron, A.; **Hebb, L.**; Pollacco, D.; & the SuperWASP Consortium, ‘*WASP-37b: A 1.8 M J Exoplanet Transiting a Metal-poor Star*’, 2011, AJ, 141, 8
23. Maxted, P. F. L.; Anderson, D. R.; Gillon, M.; Hellier, C.; Queloz, D.; Smalley, B.; Triaud, A. H. M. J.; West, R. G.; Wilson, D. M.; Bentley, S. J.; Collier-Cameron, A.; Enoch, B.; Hebb, L.; & the SuperWASP Consortium, ‘*WASP-22 b: A Transiting “Hot Jupiter” Planet in a Hierarchical Triple System*’, 2010, AJ, 140, 2007
24. Triaud, A. H. M. J.; Collier Cameron, A.; Queloz, D.; Anderson, D. R.; Gillon, M.; **Hebb, L.**; & the SuperWASP Consortium, ‘*Spin-orbit angle measurements for six southern transiting planets. New insights into the dynamical origins of hot Jupiters*’, 2010, A&A 524, 25
25. Collier Cameron, A.; Guenther, E.; Smalley, B.; McDonald, I.; **Hebb, L.**; Andersen, J.; Augusteijn, Th.; Barros, S. C. C.; Brown, D. J. A.; & the SuperWASP Consortium, ‘*Line-profile tomography of exoplanet transits - II. A gas-giant planet transiting a rapidly rotating A5 star*’ 2010, MNRAS, 407, 507
26. Fossati, L.; Bagnulo, S.; Elmasli, A.; Haswell, C. A.; Holmes, S.; Kochukhov, O.; Shkolnik, E. L.; Shulyak, D. V.; Bohlender, D.; Albayrak, B.; Froning, C.; & **Hebb, L.**, ‘*A Detailed Spectropolarimetric Analysis of the Planet-hosting Star WASP-12*’, 2010, ApJ, 720, 872
27. Street, R. A.; Simpson, E.; Barros, S. C. C.; Pollacco, D.; Joshi Y.; Todd, I.; Collier Cameron, A.; Enoch, B.; Parley, N. & the SuperWASP Consortium, ‘*WASP-24 b: A New Transiting Close-in Hot Jupiter Orbiting a Late F-star*’, 2010, ApJ, 720, 337

28. Bouchy, F.; **Hebb, L.**; Skillen, I.; Collier Cameron, A.; Smalley, B.; Udry, S. & the SuperWASP Consortium, ‘*WASP-21b: a hot-Saturn exoplanet transiting a thick disc star*’, 2010, A&A, 519, 98
29. Queloz, D.; Anderson, D.R.; Collier Cameron, A.; Gillon, M.; **Hebb, L.**; Hellier, C.; Maxted, P.F.L.; Pepe, F.; Pollacco, D.; Segransan, D.; Smalley, B.; Triaud, A.H.M.J.; Udry, S.; & West, R.G., ‘*WASP-8b: a retrograde transiting planet in a multiple system*’, 2010, A&A, 517, 1
30. Shkolnik, E. L.; **Hebb, L.**; Liu, M. C.; Reid, I. N.; & Collier-Cameron, A., ‘*Thirty New Low-mass Spectroscopic Binaries*’, 2010, ApJ, 716, 1522
31. Enoch, B.; Collier Cameron, A.; Parley, N. R.; & **Hebb, L.**, ‘*An improved method for estimating the masses of stars with transiting planets*’ 2010, A&A, 156, 33
32. Gibson, N. P.; Aigrain, S.; Pollacco, D. L.; Barros, S. C. C.; **Hebb, L.**; Hrudkova, M.; Simpson, E. K.; Skillen, I.; West, R., ‘*Ground-based detection of thermal emission from the exoplanet WASP-19b*’, 2010, ApJ, 714, 222
33. Fossati, L.; Haswell, C. A.; Froning, C. S.; **Hebb, L.**; Holmes, S.; Kolb, U.; Helling, Ch.; Carter, A.; Wheatley, P.; Collier Cameron, A.; & the SuperWASP Consortium, ‘*Metals in the Exosphere of the Highly Irradiated Planet WASP-12b*’ 2010, ApJ, 714, 222
34. Anderson, D.R.; Hellier, C.; Gillon, M.; Triaud, A.H.M.J.; Smalley, B.; **Hebb, L.**; Collier Cameron, A.; Maxted, P.F.L.; Queloz, D.; West, R.G.; & the SuperWASP Consortium, ‘*Wasp-17b: An Ultra-Low Density Planet in a Probable Retrograde Orbit*’, 2010, ApJ, 709, 159
35. Bentley, S.J.; Smalley, B.; Maxted, P. F. L.; Hellier, C.; Wilson, D. M.; Anderson, D. R.; Collier Cameron, A.; Gillon, M.; **Hebb, L.**; Pollacco, D. L.; & the SuperWASP Consortium, ‘*The masses and radii of HD 186753B and TYC7096-222-1B: the discovery of two M-dwarfs that eclipse A-type stars*’, 2009, A&A, 508, 391
36. Collier Cameron, A.; Davidson, V.A.; **Hebb, L.**; Skinner, G.; Anderson, D.R.; and the SuperWASP Consortium ‘*The main sequence rotation-colour relation in the Coma Berenices open cluster*’, 2009, MNRAS, 400, 451
37. Smith, A.M.S.; **Hebb, L.**; Collier Cameron, A.; Anderson, D.R.; Lister, T.A.; Hellier, C.; Pollacco, D.; Queloz, D.; Skillen, I.; West, R.G.; and the SuperWASP Consortium, ‘*A SuperWASP search for additional transiting planets in 24 known systems*’, 2009, MNRAS, 398, 1827
38. Gillon, M.; Demory, B.-O.; Barman, T.; **Hebb, L.**; Montalban, J.; Maxted, P. F. L.; Queloz, D.; Deleuil, M.; Magain, P.; ‘*VLT transit and occultation photometry for the bloated planet CoRoT-1b*’ 2009, A&A, 506, 359
39. Lister, T. A.; Anderson, D. R.; Gillon, M.; **Hebb, L.**; Smalley, B. S.; Triaud, A. H. M. J.; Collier-Cameron, A.; Wilson, D. M.; West, R. G.; Bentley, S. J.; & the SuperWASP Consortium, ‘*WASP-16b: A New Jupiter-Like Planet Transiting a Southern Solar Analog*’ 2009, ApJ, 703, 752
40. Hellier, C.; Anderson, D.R.; Collier Cameron, A.; Gillon, M.; **Hebb, L.**; Maxted, P.F.L.; Queloz, D.; Smalley, B.; Triaud, A.H.M.J.; West, R.G.; and the SuperWASP Consortium, ‘*An orbital period of 0.94days for the hot-Jupiter planet WASP-18b*’, 2009, Nature, 460, 1098
41. West, R.G.; Collier-Cameron, A.; **Hebb, L.**; Joshi, Y.C.; Pollacco, D.; Simpson, E.; Skillen, I.; Stempels, H.C.; Wheatley, P.J.; Wilson, D.W.; & the SuperWASP Consortium, ‘*The sub-Jupiter mass transiting exoplanet WASP-11b*’, 2009, A&A, 502, 395
42. Skillen, I.; Pollacco, D.; Collier-Cameron, A.; **Hebb, L.**; Simpson, E.; Bouchy, F.; Christian, D. J.; Gibson, N. P.; Hebrard, G.; Yoshi, Y. C.; & the SuperWASP Consortium, ‘*The 0.5MJ transiting exoplanet WASP-13b*’, 2009, A&A, 502, 391
43. Gillon, M.; Anderson, D.R.; Triaud, A.H.M.J.; Hellier, C.; Maxted, P.F.L; Pollacco, D.; Queloz, D.; Smalley, B.; West, R. G.; Wilson, D.M.; **Hebb, L.**; & the SuperWASP Consortium, ‘*Discovery and characterization of WASP-6b, an inflated sub-Jupiter mass planet transiting a solar-type star*’ 2009, A&A, 501, 785

44. West, R.G.; Anderson, D.R.; Gillon, M.; **Hebb, L.**; Hellier, C.; Maxted, P.F.L.; Queloz, D.; Smalley, B.; TriAUD, A.H.M.J.; Wilson, D.M.; & the SuperWASP Consortium, ‘*The low density transiting exoplanet WASP-15b*’, 2009, AJ, 137, 4834
45. Gillon, M.; Smalley, B.; **Hebb, L.**; Anderson, D.R.; TriAUD, A.H.M.J.; Hellier, C.; Maxted, P.F.L.; Queloz, D.; Wilson, D.M. ‘*Improved parameters for the transiting hot Jupiters WASP-4b and WASP-5b*’, 2009, A&A, 496, 259
46. Christian, D. J.; Gibson, N. P.; Simpson, E.; Street, R. A.; Skillen, I.; Pollacco, D.; Collier-Cameron, A.; Joshi, Y. C.; Keenan, F. P.; Stempels, H.C.; **Hebb, L.**; & the SuperWASP Consortium, ‘*WASP-10b: a 3MJ, gas-giant planet transiting a late-type K star*’ 2009, MNRAS, 392, 1585
47. Joshi, Y. C.; Pollacco, D.; Collier-Cameron, A.; Skillen, I.; Simpson, E.; Steele, I.; Street, R. A.; Stempels, H.C.; Christian, D. J.; **Hebb, L.**; & the SuperWASP Consortium, ‘*WASP-14b: 7.3 MJ transiting planet in an eccentric orbit*’, 2009, MNRAS, 392, 1532
48. Irwin, J.; Aigrain, S.; Bouvier, J.; **Hebb, L.**; Hodgkin, S.; Irwin, M.; & Moraux, E., ‘*The Monitor project: rotation of low-mass stars in M50*’, 2009, MNRAS, 392, 1456
49. Hellier, C.; Anderson, D. R.; Gillon, M.; Lister, T. A.; Maxted, P. F. L.; Queloz, D.; TriAUD, A. H. M. J.; West, R. G.; Wilson, D. M.; & the SuperWASP Consortium, ‘*Wasp-7: A Bright Transiting-Exoplanet System in the Southern Hemisphere*’ 2009, ApJ, 690, 89
50. Shkolnik, E.; Liu, M.C.; Reid, I.N.; **Hebb, L.**; Collier-Cameron, A.; Torres, C.A.; Wilson, D.A., ‘*BD -22 5866: A Low-Mass, Quadruple-lined Spectroscopic and Eclipsing Binary*’, 2008, ApJ, 682, 1248
51. Miller, A.; Irwin, J.; Aigrain, S.; Hodgkin, S.; **Hebb, L.**, ‘*The Monitor project: the search for transits in the open cluster NGC 2362*, 2008, MNRAS, 387, 349
52. Anderson, D. R.; Gillon, M.; Hellier, C.; Maxted, P. F. L.; Pepe, F.; Queloz, D.; Wilson, D. M.; Collier Cameron, A.; Smalley, B.; Lister, T. A.; & the SuperWASP Consortium, ‘*WASP-5b: a dense, very hot Jupiter transiting a 12th-mag Southern-hemisphere star*’ 2008, MNRAS, 387, 4
53. Pollacco, D.; Skillen, I.; Collier-Cameron, A.; Stempels, H.C.; Bouchy, F.; Gibson, N.P.; **Hebb, L.**; Hebrard, G.; Joshi, Y.C.; & the SuperWASP Consortium, ‘*WASP-3b: a strongly irradiated transiting gas-giant planet*’, 2008, MNRAS, 385, 1576
54. Stempels, H. C.; **Hebb, L.**; Stassun, K.G.; Holtzman, J., Dunstone, N.; Glowienka, L.; & Frandsen, S., ‘*The Pre-Main-Sequence Eclipsing Binary ASAS J052821+0338.5*’, 2008, A&A, 481, 747
55. Wilson, D. M.; Gillon, M.; Hellier, C.; Maxted, P. F. L.; Pepe, F.; Queloz, D.; Anderson, D. R.; Collier Cameron, A.; Smalley, B.; Lister, T. A.; & the SuperWASP Consortium, ‘*WASP-4b: A 12th Magnitude Transiting Hot Jupiter in the Southern Hemisphere*’, 2008, MNRAS, 675, 113
56. Irwin, J.; Hodgkin, S.; Aigrain, S.; Bouvier, J.; **Hebb, L.**; Irwin, M., & Moraux, E., ‘*The Monitor project: rotation of low-mass stars in the open cluster NGC 2362 - testing the disc regulation paradigm at 5 Myr*, 2008, MNRAS, 384, 675
57. Irwin, J.; Hodgkin, S.; Aigrain, S.; Bouvier, J.; **Hebb, L.**; & Moraux, E., ‘*The Monitor project: rotation of low-mass stars in the open cluster NGC 2547*, 2008, MNRAS, 383, 1588
58. Collier Cameron, A.; Wilson, D. M.; West, R. G.; **Hebb, L.**; Wang, X.-B.; & the SuperWASP Consortium, ‘*Efficient identification of exoplanetary transit candidates from SuperWASP light curves*’, 2007, MNRAS, 380, 1230
59. Irwin, J.; Aigrain, S.; Hodgkin, S.; Stassun, K.G.; **Hebb, L.**; & the Monitor Collaboration, ‘*The Monitor project: JW 380 – a 0.26, 0.15 Msol pre main sequence eclipsing binary in the Orion Nebula Cluster*’, 2007, MNRAS, 380, 541
60. Stempels, H. C.; Collier Cameron, A.; **Hebb, L.**; Smalley, B.; & Frandsen, S., ‘*WASP-1: a lithium- and metal-rich star with an oversized planet*’, 2007, MNRAS, 379, 773

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