

## Keith Horne: Refereed Publications

### Papers Submitted:

- 371.** “OGLE-2014-BLG-1186: gravitational microlensing providing evidence for a planet orbiting the foreground star or for a close binary source?”  
M.Dominik, E.Bachelet, V.Bozza, R.A.Street, C.Han, M.Hundertmark, A.Udalski, D.Bramich, et al. (201?). MNRAS submitted (arXiv:1808.03149)
- 370.** “The First Swift AGN Accretion Disk Reverberation Mapping Survey.”  
R.Edelson, J.Gelbord, E.Cackett, B.M.Peterson, **K.Horne** A.Barth, D.Starkey, et al. (201?). ApJ, submitted (8 Sep 2018).
- 369.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Systematic Investigation of Short-Timescale CIV Broad Absorption Line Variability.”  
Z.S.Hemler, C.J.Grier, W.N.Brandt, P.B.Hall, **K.Horne**, Y.Shen, J.R.Trump, D.P.Schneider, M.Vivek, D.Bizyaev, A.Oravetz, D.Oravetz, K.Pan (201?). ApJ, submitted (28 Jul 2018).
- 368.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Accretion-Disk Sizes from Continuum Lags”  
Y.Homayouni, J.R.Trump, C.J.Grier, Y,Shen, D.A.Starkey, W.N.Brandt, **K.Horne** et al. (201?). ApJ, submitted (25 Jun 2018). (arXiv:1806.08360)
- 367.** “Tests of  $\Lambda$ CDM and Conformal Gravity using GRB and Quasars as Standard Candles out to  $z \sim 8$ .”  
C.Roberts, **K.Horne**, A.O.Hodson, A.D.Leggat et al. (201?) MNRAS, submitted (28 Nov 2017). (arXiv:1711.10369)

### Papers in Press:

- 366.** “Supermassive Black Holes with high Accretion Rates in Active Galactic Nuclei VII. Reconstruction of Velocity-Delay Maps by Maximum Entropy Method.”  
M.Xiao, D.Pu, **K.Horne**, Y-R.Li, Y-K.Huang, K-X.Lu, J.Qiu, F.Wang, J-M.Bai, W-H.Bian, L.C.Ho, Y-F.Yuan, J-M.Wang (2018) ApJ, in press (24 Jul 2018). (arXiv:1808.00705)
- 365.** “Velocity-Resolved Reverberation Mapping of Five Bright Seyfert 1 Galaxies.”  
G.DeRosa, M.M.Fausnaugh, C.J.Grier, B.M.Peterson, K.D.Denney, **K.Horne**, et al. (201?). ApJ, in press (22 Jul 2018). (arXiv:1807.04784)

### Papers Published:

—2018—

- 364.** “X-ray/UV/Optical Variability of NGC 4593 with Swift: Reprocessing of X-rays by an Extended Reprocessor.”  
I.M.McHardy, S.D.Connolly, **K.Horne**, E.M.Cackett, J.Gelbord, B.M.Peterson, M.Pahari, N.Gehrels, R.Edelson, M.Goad, P.Lira, et al. (2018). MNRAS 480, 2881.
- 363.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Quasar Host Galaxies at  $z < 0.8$  from Image Decomposition.”  
M.Yue, L.Jiang, Y.Shen, P.B.Hall, Z.Yu, D.P.Schneider, L.C.Ho, **K.Horne**, P.Petitjean, J.R.Trump (2018). ApJ 863, 21.
- 362.** “Accretion Disk Reverberation with Hubble Space Telescope Observations of NGC 4593: Evidence for Diffuse Continuum Lags”

E.M.Cackett, C.-Y.Chiang, I.McHardy, R.Edelson, M.R.Goad, **K.Horne**, K.Korista (2018). ApJ 857, 53.

**361.** “Stability of the Broad Line Region Geometry and Dynamics in Arp 151 over Seven Years.”

A.Pancoast, A.J.Barth, **K.Horne**, T.Treu, et al. (2018). ApJ 856, 108.

**360.** “The First Planetary Microlensing Event with Two Microlensed Source Stars.”

D.P.Bennett, et al. (2018) AJ, 155, 141.

**359.** “Continuum Reverberation Mapping of the Accretion Disks in Two Seyfert 1 Galaxies”

M.Fausnaugh, D.A.Starkey, **K.Horne**, et al. (2018) ApJ 854, 107.

**358.** “Non-Blackbody Disks Can Help Explain Inferred AGN Accretion Disk Sizes”

P.B.Hall, G.T.Sarrouh, **K.Horne** (2018) ApJ 854, 93.

**357.** “OGLE-2014-BLG-0289: Precise Characterization of a Quintuple-Peak Gravitational Microlensing Event.”

A.Udalski, C.Han, V.Bozza, A.Gould, I.A.Bond, et al. (2018). 2018 ApJ 853, 70.

**356.** “OGLE-2016-BLG-1190Lb: The First Spitzer Bulge Planet Lies Near the Planet/Brown-dwarf Boundary”

Y.-H.Ryu, et al. (2018) AJ, 155, 40.

**355.** “RoboTAP - Target Priorities for Robotic Microlensing Observations.”

M.Hundertmark, R.A.Street, Y.Tsapras, E.Bachelet, M.Dominik, **K.Horne**, et al. (2018) A&A 609, 55.

—2017—

**354.** “Continuum Reverberation Mapping of AGN Accretion Disks.”

M.M.Fausnaugh, B.M.Peterson, D.A.Starkey, **K.Horne** et al. (2017) Front.Astron.Space Sci. 4, 55.

**353.** “The Sloan Digital Sky Survey Reverberation Mapping Project:  $H\alpha$  and  $H\beta$  Reverberation Measurements from First-Year Spectroscopy and Photometry.”

K.Grier, J.R.Trump, Y.Shen, **K.Horne**, K.Kinemuchi, I.D.McGreer, D.A.Starkey, W.N.Brandt, P.B.Hall, C.S.Kochanek, et al. (2017) ApJ 851, 1.

**352.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Composite Lags at  $z < 1$ .”

J.Li, Y.Shen, **K.Horne**, et al. (2017). ApJ, 846, 79.

**351.** “Space Telescope and Optical Reverberation Mapping Project. VII. Understanding the UV anomaly in NGC 5548 with X-Ray Spectroscopy.”

S.Mathur, et al. (2017) ApJ 846, 55.

**350.** “Ground-based Parallax Confirmed by Spitzer: Binary Microlensing Event MOA-2015-BLG-020”

T.Wang, et al. (2017) ApJ 845, 129.

**349.** “Reverberation Mapping of Optical Emission Lines in Five Active Galaxies.”

M.M.Fausnaugh, et al. (2017). ApJ 840, 129.

**348.** “Swift Monitoring of NGC 4151: Evidence for a Second X-ray/UV Reprocessing”

R.Edelson, J.Gelbord, E.Cackett, S.Connolly, C.Done, M.Fausnaugh, E.Gardner, N.Gehrels, M.Goad, **K.Horne**, et al. (2017) ApJ 840, 41.

**347.** “Faint-Source-Star Planetary Microlensing: the Discovery of the Cold Gas-Giant Planet OGLE-2014-BLG-0676Lb”

N.Rattenbury, et al. (2017). MNRAS 466, 2710.

**346.** “Space Telescope and Optical Reverberation Mapping Project. VI: Optical Spectroscopic Campaign and Emission-Line Analysis for NGC 5548.”

L.Pei, et al. (2017) ApJ 873, 131.

**345.** “Variable Stars in the Bulge Globular Cluster NGC 6401”

Y.Tsapras, A.Arellano Ferro, D.M.Bramich, R.Figuera Jaimes, N.Kains, R.Street, M.Hundertmark, **K.Horne**, M.Dominik, C.Snodgrass (2017). MNRAS 465, 2489.

**344.** “Cosmology with AGN Dust Time Lags – Simulating the New VEILS Survey.”

S.F.Hönig, D.Watson, M.Kishimoto, P.Gandhi, M.Goad, **K.Horne**, F.Shankar, et al. (2017). MNRAS 464, 1693.

**343.** “Space Telescope and Optical Reverberation Mapping Project. VI: Reverberating Disk Models for NGC 5548.”

D.Starkey, **K.Horne**, et al. (2017). ApJ 835, 65.

**342.** “EPIC201702477b: A Long Period Transiting Brown Dwarf from K2.”

D.Bayliss, et al. (2017). AJ 153, 15.

—2016—

**341.** “Campaign 9 of the K2 Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey.”

C.B.Henderson, R.Poleski, M.Penny, R.A.Street, D.P.Bennett, D.W.Hogg, B.S.Gaudi, et al. (2016). PASP 128, 4401.

**340.** “Simultaneous infrared and optical observations of the transiting debris cloud around WD 1145+017.”

G.Zhou, et al. (2016). MNRAS 463, 4422.

**339.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Biases in  $z > 1.46$  Redshifts due to Quasar Diversity”

K.D.Denney, **K.Horne**, W.N.Brandt, C.J.Grier, L.C.Ho, B.M.Peterson, J.R.Trump, J.Ge (2016). ApJ 833, 33.

**338.** “First simultaneous microlensing observations by two space telescopes: Spitzer and Swift reveal a brown dwarf in event OGLE-2015-BLG-1319.”

Y.Shvartzvald, Z.Li, A.Udalski, A.Gould, T.Sumi, R.A.Street, S.Calchi Novati, et al. (2016). ApJ 831, 183.

**337.** “Discovery of a Gas giant Planet in Microlensing Event OGLE-2014-BLG-1760.”

A.Bhattacharya, D.P.Bennett, I.A.Bond, T.Sumi, A.Udalski, R.Street, Y.Tsapras et al. (2016). AJ 152, 140.

**336.** “The First Circumbinary Planet Found by Microlensing: OGLE-2007-BLG-349L(AB)c”

D.M.Bennett, et al. (2016). AJ 152, 125.

**335.** “A Reverberation-based Black Hole Mass for MCG-06-30-15”

M.C.Bentz, E.M.Cackett, D.M.Crenshaw, **K.Horne**, R.Street, B.Ou-Yang. (2016). ApJ 830, 136.

**334.** “OGLE-2015-BLG-0479LA,B: Gravitational Binary Microlens Characterised by Simultaneous Ground-based and Space-based Observations”

C.Han, et al. (2016). ApJ 828, 53.

**333.** “Many new variable stars discovered in the core of globular cluster NGC 6715 (M54) with EMCCD observations.”

- R.Figuera Jaimes, et al. (2016). *A&A* 592, 120.
- 332.** “Mass Measurements of Isolated Objects from Space-based Microlensing.”  
W.Zhu, et al. (2016). *ApJ* 825, 60.
- 331.** “Conformal Gravity Rotation Curves with a Conformal Higgs Halo.”  
**K.Horne** (2016). *MNRAS*, 548, 4122.
- 330.** “The Sloan Digital Sky Survey Reverberation Mapping Project: An Investigation of Biases in CIV Emission-Line Properties”  
K.D.Denney, **K.Horne**, W.N.Brandt, L.C.Ho, B.M.Peterson, G.T.Richards, Y.Shen, J.R.Trump, J.Ge (2016). *ApJS*, 224 14.
- 329.** “Space Telescope and Optical Reverberation Mapping Project. IV. Anomalous Behavior of the Broad Ultraviolet Emission Lines in NGC 5548.”  
M.R.Goad, et al. (2016). *ApJ* 824, 11.
- 328.** “The Spitzer Microlensing Program as a Probe for Globular Cluster Planets: Analysis of OGLE-2015-BLG-0448.”  
R.Poleski, et al. (2016). *ApJ* 823, 63.
- 327.** “The OGLE-III Planet Detection Efficiency from Six Years of Microlensing Observations (2003-2008).”  
Y.Tsapras, M.Hundertmark, L.Wyrzykowski, **K.Horne**, A.Udalski, et al. (2016). *MNRAS* in press (01 Jan 2016). *MNRAS* 457, 1320.
- 326.** “Space Telescope and Optical Reverberation Mapping Project. III. Optical Continuum Emission and Broad-Band Time Delays in NGC 5548.”  
M.M.Fausnaugh, K.D.Denney, A.J.Barth, M.C.Ventz, M.C.Bottorff, M.T.Carni, K.V.Croxall, G.De Rosa, M.R.Goad, **K.Horne**, et al. (2016). *ApJ* 821, 56.
- 325.** “Exploring the crowded central region of 10 Galactic globular clusters using EMCCDs.”  
R.Figuera Jaimes, D.M.Bramich, J.Skottfelt, N.Kains, U.G.Jorgensen, **K.Horne**, M.Dominik, et al. (2016). *A&A* 588, 128.
- 324.** “Difference Image Analysis: Automatic Kernel Design using Information Criteria.”  
D.M.Bramich, **K.Horne**, K.A.Alsubai, E.Bachelet, D.Mislis, N.Parley (2016). *MNRAS* 457, 541.
- 323.** “A Systematic Search for Changing-Look Quasars in SDSS.”  
C.L.MacLeod, N.Ross, A.Lawrence, M.Goad, **K.Horne**, et al. (2016). *MNRAS* 457, 389.
- 322.** “Correlated X-ray/Ultraviolet/Optical Variability in NGC 6814.”  
J.Troyer, D.Starkey, E.M.Cackett, M.C.Bentz, M.R.Goad, **K.Horne**, J.E.Seals (2016). *MNRAS* 456, 4040.
- 321.** “Spitzer Parallax of OGLE-2015-BLG-0966: A Cold Neptune in the Galactic Disk.”  
R.A.Street, et al. (2016) *ApJ* 819, 93.
- 320.** “Applying CREAM to AGN Light Curves: Accretion Disc Time Lag Distributions”  
D.A.Starkey **K.Horne**, C.Villforth (2016). *MNRAS* 456, 1960.
- 319.** “The Sloan Digital Sky Survey Reverberation Mapping Project: First Broad-line  $H\beta$  and  $MgII$  Lags at  $z > \sim 0.3$  from Six-Month Spectroscopy.”  
Y.Shen, **K.Horne**, C.J.Grier, B.M.Peterson K.D.Denney, J.R.Trump, M.Sun, W.N.Brandt, C.S.Kochanek, et al. (2016). *ApJ* 818, 30.

- Y.Shvartzvald, et al. (2015) ApJ 814, 111.
317. “Robotic Reverberation Mapping of Arp 151”  
S.Valenti, D.J.Sand, A.J.Barth, **K.Horne**, L.Raganit, T.Borosan, S.Crawford, A.Pancoast, L.Pei, E.Romero-Colomenero, C.Villforth, H.Winkler (2015). ApJL 813, 36.
316. “Extended Baseline Photometry of Rapidly Changing Weather Patterns on the Brown Dwarf Binary, Luhman 16.”  
R.A.Street, B.J.Fulton, A.Scholz, **K.Horne**, C.Helling, D.Juncher, G.Lee, S.Valenti (2015). ApJ 812, 161.
315. “Red Noise Versus Planetary Interpretations in the Microlensing Event OGLE-2013-BLG-446”  
E.Bachelet, et al. (2015). ApJ, 812, 136.
314. “The Sloan Digital Sky Survey Reverberation Mapping Project: Ensemble Spectroscopic Variability of Quasar Broad Emission Lines”  
M.Sun, J.Trump, Y.Shen, K.Dawson, K.D.Denney, P.Hall, L.C.Ho, **K.Horne**, et al. (2015). ApJ 811, 42.
313. “OGLE-2012-BLG-0563Lb: A Saturn-mass Planet around an M Dwarf with the Mass Constrained by Subaru AO Imaging”  
A.Fukui et al. (2015). ApJ 809, 74.
312. “MOA-2007-BLG-197: Exploring the Brown Dwarf Desert.”  
C.Ranc, et al. (2015). A&A 580, A125.
311. “Space Telescope and Optical Reverberation Mapping Project. II. *SWIFT* and *HST* Reverberation Mapping of the Accretion Disk of NGC 5548.”  
R.Edelson, J.M.Gelbord, **K.Horne**, I.M.McHardy, B.M.Peterson, et al. (2015). ApJ 806, 129.
310. “Space Telescope and Optical Reverberation Mapping Project. II. Ultraviolet Observations of the Seyfert I Galaxy NGC 5548 with the Cosmic Origins Spectrograph on *Hubble Space Telescope*.”  
G.DeRosa, B.M.Peterson, J.Ely, G.A.Kriss, D.M.Crenshaw, **K.Horne**, K.T.Korista, H.Netzer, R.W.Pogge, et al. (2015). ApJ 806, 128.
309. “The Sloan Digital Sky Survey Reverberation Mapping Project: No Evidence for Evolution in the  $M_{bh} - \sigma_*$  Relation to  $z \sim 1$ ”  
Y.Shen, J.E.Greene, L.Ho, W.N.Brandt, K.Denney, **K.Horne**, et al. (2015). ApJ 805, 96.
308. “A census of variability in globular cluster M 68 (NGC 4590).”  
N.Kains, et al. (2015). A&A 578, 128.
307. “Reanalyses of Anomalous Gravitational Microlensing Events in the OGLE-III Early Warning System Database with Combined Data.”  
J.Jeong, et al. (2015). ApJ 804, 38.
306. “OGLE-2011-BLG-0265Lb: A Jovian Microlensing Planet Orbiting an M Dwarf.”  
J.Skowron, et al. (2015). ApJ 804, 33.
305. “Pathway to the Galactic Distribution of Planets: Combined *Spitzer* and Ground-Based Microlens Parallax Measurements of 21 Single-Lens Events.”  
S.Calchi Novati, et al. (2015). ApJ 804, 20.
304. “Spitzer Space Telescope Measurements of Dust Reverberation Lags in the Seyfert 1 Galaxy NGC 6418”

B.Vazquez, P.Galianni, M.Richmond, A.Robinson, D.Axon, **K.Horne**, et al. (2015). *ApJ* 801, 127.

**303.** “The Sloan Digital Sky Survey Reverberation Mapping Project: Technical Overview”  
Y.Shen et al. (2015). *ApJS* 216, 4.

—2014—

**302.** “Characterization of the planetary system Kepler-101 with HARPS-N. A hot super-Neptune with an Earth-sized low-mass companion”  
A.S.Bonomo, et al. (2014). *A&A* 572, 2.

**301.** “Reverberation Mapping of the Seyfert 1 Galaxy NGC 7469”  
B.M.Peterson, C.J.Grier, **K.Horne**, et al (2014). *ApJ* 795, 149.

**300.** “Candidate Gravitational Microlensing Events for Future Direct Lens Imaging.”  
C.Henderson, et al. (2014). *ApJ* 794, 71.

**299.** “MOA-2013-BLG-220Lb: Massive Planetary Companion to Galactic-disk Host.”  
J.Yee, et al. (2014). *ApJ* 790, 14.

**298.** “The Kepler-10 Planetary System Revisited by HARPS-N: A Hot Rocky World and a Solid Neptune-Mass Planet”  
X.Dumusque, et al. (2014). *ApJ* 789, 154.

**297.** “OGLE-LMC-ECL-11893: The Discovery of a Long-Period Eclipsing Binary with a Circumstellar Disk.”  
Dong, et al. (2014). *ApJ* 788, 41.

**296.** “Period and amplitude variations in post-common-envelope eclipsing binaries observed with SuperWASP.”  
M.E.Lohr, et al. (2014). *A&A* 566, 128.

**295.** “RR Lyrae Stars in the GCVS Observed by the Qatar Exoplanet Survey.”  
D.M.Bramich, K.A.Alsubai, A.Arellano Ferro, N.R.Parley, A.Collier Cameron, C.Hellier, **K.Horne**, D.Pollacco, R.G.West (2014). *IBVS* 6106, 1.

**294.** “High frequency A-type pulsators discovered using SuperWASP.”  
D.Holdsworth, et al. (2014). *MNRAS* 439, 2078.

**293.** “MOA-2011-BLG-262Lb: A Sub-Earth-Mass Moon Orbiting a Gas Giant Primary or a High Velocity Planetary System in the Galactic Bulge.”  
D.P.Bennett et al.. (2014). *ApJ*, 785, 155.

**292.** “Eclipsing Am binary systems in the SuperWASP survey.”  
B.Smalley, et al. (2014). *A&A* 564, A69.

**291.** “A Super-Jupiter Orbiting a Late-type Star: A Refined Analysis of Microlensing Event OGLE-2012-BLG-0406.”  
Y.Tsapras, et al. (2014). *ApJ*, 782, 48.

—2013—

**290.** “Kepler-like Multi-Plexing for Mass Production of Microlens Parallaxes.”  
A.Gould, **K.Horne** (2013). *ApJL*, 779, 28.

**289.** “MOA-2010-BLG-328Lb: a sub-Neptune orbiting very late M dwarf?”  
K.Furusawa, et al. (2013). *ApJ* 779, 91.

**288.** “Gravitational Binary-lens Events with Prominent Effects of Lens Orbital Motion.”

- H.Park, et al. (2013). *ApJ*, 778, 134.
287. “The Qatar Exoplanet Survey.”  
K.A.Alsubai, N.R.Parley, D.M.Bramich, **K.Horne**, A.Collier Cameron, R.G.West,  
P.M.Sorensen, D.Pollacco, J.C.Smith, O.Fors (2013). *Acta Astr.* 63, 465.
286. “An Earth-sized planet with an Earth-like density.”  
F.Pepe, et al. (2013). *Nature*, 503, 377.
285. “A test of the failed disc wind scenario for the origin of the broad line region in active galactic nuclei.”  
P.Galianni, **K.Horne** (2013). *MNRAS*, 435, 3122.
284. “Interpretation of a Short-term Anomaly in the Gravitational Microlensing Event MOA-2012-BLG-486.”  
K.-H.Hwang, et al. (2013). *ApJ* 778, 55.
283. “Microlensing Discovery of a Tight, Low-mass-ratio Planetary-mass Object around an Old Field Brown Dwarf.”  
C.Han, et al. (2013). *ApJ* 778, 38.
282. “MOA-2010-BLG-311: A planetary candidate below the threshold of reliable detection.”  
J.C.Yee, et al. (2013). *ApJ* 769, 77.
281. “Microlensing discovery of a population of very tight, very low mass binary brown dwarfs.”  
J.-Y.Choi, et al. (2013). *ApJ* 768, 129.
280. “A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251.”  
N.Kains, et al. (2013). *A&A* 552, 70.
279. “The Structure of the Broad-line Region in Active Galactic Nuclei. I. Reconstructed Velocity-delay Maps.”  
C.J.Grier, B.M.Peterson, **K.Horne**, et al. (2013). *ApJ* 764, 47.
278. “MOA-2010-BLG-523: “Failed Planet” = RS CVn Star.”  
A.Gould, et al. (2013). *ApJ* 763, 141.
277. “Difference Imaging Analysis: extension to a spatially varying photometric scale factor and other considerations.”  
D.Bramich, **K.Horne**, M.D.Albrow, Y.Tsapras, C.Snodgrass, R.A.Street, M.Hundertmark,  
N.Kains, A.Arellano Fero, R.Figuera Jaimes, S.Giridhar (2013). *MNRAS* 428, 2275.
276. “How fast do Jupiters grow? Signatures of the snowline and growth rate in the distribution of gas giant planets.”  
K.Rice, M.T.Penny, **K.Horne** (2013). *MNRAS* 428, 756.
275. “MOA-2010-BLG-073L: An M-dwarf with a Substellar Companion at the Planet/Brown Dwarf Boundary.”  
R.A.Street, et al. (2013) *ApJ* 763, 67.
- 2012—
274. “Microlensing Binaries with Candidate Brown Dwarf Companions.”  
I.-G.Shin, et al. (2012). *ApJ* 760, 116.
273. “A Bayesian algorithm for model selection in caustic-crossing binary-lens microlensing events.”  
N.Kains, P.Browne, **K.Horne**, M.Hundertmark, A.Cassan (2012). *MNRAS* 426, 2228.
272. “A brown dwarf orbiting an M-dwarf: MOA 2010-BLG-411L.”

- E.Bachelet, et al. (2012). *A&A* 547, 55.
271. “A New Type of Ambiguity in the Planet and Binary Interpretations of Central Perturbations of High-magnification Gravitational Microlensing Events.”  
J.-Y.Choi, et al. (2012). *ApJ* 756, 48.
270. “Testing quasilinear modified Newtonian dynamics in the Solar System.”  
P.Galianni, M.Feix, H.-S.Zhao, **K.Horne** (2012). *PhRvD* 86, 4002.
269. “OGLE-2008-BLG-510: first automated real-time detection of a weak microlensing anomaly - brown dwarf or stellar binary?”  
V.Bozza, et al. (2012). *MNRAS* 424, 902.
268. “Characterizing Low-mass Binaries from Observation of Long-timescale Caustic-crossing Gravitational Microlensing Events.”  
Shin, I.-G, et al. (2012). *ApJ* 755, 91.
267. “MOA 2010-BLG-477Lb: Constraining the Mass of a Microlensing Planet from Microlensing Parallax, Orbital Motion, and Detection of Blended Light.”  
E.Bachelet, et al. (2012). *ApJ* 754, 73.
266. “A Possible Binary System of a Stellar Remnant in the High-magnification Gravitational Microlensing Event OGLE-2007-BLG-514.”  
N.Miyake, et al. (2012). *ApJ* 752, 82.
265. “Characterizing Lenses and Lensed Stars of High-magnification Single-lens Gravitational Microlensing Events with Lenses Passing over Source Stars.”  
J.-Y.Choi, et al. (2012) *ApJ* 751, 41.
264. “Qatar-2: A K dwarf orbited by a transiting hot Jupiter and a more massive companion in an outer orbit.”  
M.L.Bryan, et al. (2012). *ApJ* 750, 84.
263. “Factors affecting the radii of close-in transiting exoplanets.”  
B.Enoch, A.Collier-Cameron, **K.Horne** (2012). *A&A* 540, 99.
262. “Microlensing Binaries Discovered through High-magnification Channel.” Shin, I.-G., et al. (2012). *ApJ* 746, 127.
261. “One or more bound planets per Milky Way star from microlensing observations.”  
A.Cassan, D.Kubas, J.-P.Beaulieu, M.Dominik, **K.Horne**, J.Greenhill, J. Wamsganss, J.Menzies, A.Williams, U.G.Jorgensen, A.Udalski, et al. 2012. *Nature* 481, 167.
260. “A Reverberation Lag for the High-Ionization Component of the Broad Line Region in the Narrow-Line Seyfert 1 Mrk 335”  
C.J.Grier, et al. (2012). *ApJ* 744, 4.
- 2011—
259. “Discovery and Mass Measurements of a Cold, 10-Earth Mass Planet and its Host Star”  
Y.Muraki, et al. (2011). *ApJ* 741, 22.
258. “SuperWASP observations of pulsating Am stars.”  
B.Smalley, D.W.Kurtz, A.M.S.Smith, L.Fossati, et al. (2011). *A&A* 535, 3.
257. “Qatar-1b: a hot Jupiter orbiting a metal-rich K dwarf star.”  
K.A.Alsubai N.R.Parley, D.M.Bramich, R.G.West, P.M.Sorensen, A.Collier Cameron, D.W.Latham, **K.Horne**, et al.(2011). *MNRAS* 417, 709.
256. “Binary Microlensing Event OGLE-2009-BLG-020 Gives Verifiable Mass, Distance, and Orbit Predictions”



J.Skowron, et al. (2011) ApJ 738, 87.

255. “OGLE-2005-BLG-018: Characterization of Full Physical and Orbital Parameters of a Gravitational Binary Lens.”

I.-G.Shin, A.Udalski, C.Han, A.Gould, M.Dominik, P.Fouqué, et al. (2011). ApJ 735, 85.

254. “Dissecting the donor star in the eclipsing polar HU Aquarii.”

A.D.Schwope, **K.Horne**, D.Steeghs, M.Still (2011). A&A 531, 34.

253. “Independent Discovery of the Transiting Exoplanet HAT-P-14b.”

E.K.Simpson, et al. (2011). AJ 141, 161.

252. “MOA-2009-BLG-387Lb: a massive planet orbiting an M dwarf”

V.Batista, et al. (2011). A&A 529, 102.

251. “Short period eclipsing binary candidates identified using SuperWASP.”

A.J.Norton, S.G.Payne, T.Evans, R.G.West, P.Wheatley, et al. (2011). A&A 528, 90.

250. “A Sub-Saturn Mass Planet, MOA-2009-BLG-319Lb.”

N.Miyake, et al. (2011). ApJ 728, 120.

249. “WASP-37b: A 1.8 MJ Exoplanet Transiting a Metal-poor Star.”

E.K.Simpson, F.Faedi, et al. (2011). AJ 141, 8.

248. “Limb-darkening measurements for a cool red giant in microlensing event OGLE 2004-BLG-482.”

M.Zub, A.Cassan, D.Heyrovsky, P.Fouque, H.C.Stempels, et al. (2011). A&A 525, 15.

—2010—

247. “WASP-22b: A Transiting “Hot Jupiter” Planet in a Hierarchical Triple System.”

P.F.L.Maxted, et al. (2010). AJ 140, 2007.

246. “OGLE-2005-BLG-153: Microlensing Discovery and Characterisation of a Very Low Mass Binary.”

K.-H.Hwang, A.Udalski, C.Han, Y.-H.Ryu, et al. (2010). ApJ 723, 797.

245. “OGLE-2009-BLG-092/MOA-2009-BLG-137: A Dramatic Repeating Event with the Second Perturbation Predicted by Real-Time Analysis”

Y.-H.Ryu, C.Han, K.-H.Hwang, et al. (2010). ApJ, in press (27 Aug 2010). ApJ 723, 81.

244. “Limits on the orbits, masses and habitability of moons around close-in exoplanets”

C.Weidener, **K.Horne** (2010). A&A 521, 76.

243. “Challenging GRB models through the broadband dataset of GRB 060908.”

S.Covino, et al. (2010). A&A 521, 53.

242. “The Lick AGN Monitoring Project: Velocity-Delay Maps from the Maximum-Entropy Method for Arp 151”

M.C.Bentz, **K.Horne**, et al. (2010). ApJL 720, 46.

241. “Frequency of Solar-Like Systems and of Ice and Gas Giants Beyond the Snow Line from High-Magnification Microlensing Events in 2005-2008.”

A.Gould, et al. (2010). ApJ 720, 1073.

240. “The first WASP public data release.”

O.W.Butters, R.G.West, et al (2010). A&A 520, 10.

239. “Realisation of a fully-deterministic microlensing observing strategy for inferring planet populations.”

M.Dominik, et al. (2010). AN 331, 671.

238. “OGLE 2008-BLG-290: an accurate measurement of the limb darkening of a galactic bulge K Giant spatially resolved by microlensing.”  
P.Fouqué, D.Heyrovský, S.Dong, A.Gould, A.Udalski, et al. (2010). A&A 518, 51.
237. “Spectral Mapping of the Intermediate Polar DQ Herculis”  
R.K.Saito, R.Baptista, **K.Horne**, P.Martell (2010). AJ 139, 2542.
236. “Bayesian analysis of caustic-crossing microlensing events.”  
A.Cassan, **K.Horne**, N.Kains, Y.Tsapras, P.Browne (2010). A&A 515, 52.
235. “Masses and Orbital Constraints for the OGLE-2006-109Lb,c Jupiter/Saturn Analog Planetary System.”  
D.Bennett et al. (2010). ApJ 713 837.
234. “A Cold Neptune-Mass Planet OGLE-2007-BLG-368Lb: Cold Neptunes Are Common.”  
Sumi, T., et al. (2010). ApJ 710, 1641.
233. “WASP-17b: An Ultra-Low Density Planet in a Probable Retrograde Orbit.”  
D.R.Anderson, et al. (2010). ApJ 709, 159.
232. “WASP-19b: The Shortest Period Transiting Exoplanet Yet Discovered.”  
L.Hebb et al. (2010). ApJ 708, 224.
- 2009—
231. “Mass measurement of a single unseen star and planetary detection efficiency for OGLE 2007-BLG-050.”  
V.Batista, et al. (2009). A&A 508, 467.
230. “The main-sequence rotation-colour relation in the Coma Berenices open cluster.”  
A.Collier-Cameron, et al. (2009). MNRAS 400, 451.
229. “Interpretation of Strong Short-Term Central Perturbations in the Light Curves of Moderate-Magnification Microlensing Events”  
Han, C., et al. (2009). ApJ 705, 1116.
228. “Interpretation of Strong Short-Term Central Perturbations in the Light Curves of Moderate Magnification Microlensing Events.”  
C.Han, et al (2009). ApJ 705, 1116.
227. “Extreme Magnification Microlensing Event OGLE-2008-BLG-279: Strong Limits on Planetary Companions to the Lens Star”  
J.C.Yee, et al. (2009). ApJ 703, 2082.
226. “WASP-16b: A New Jupiter-Like Planet Transiting a Southern Solar Analog.”  
T.A.Lister, et al. (2009). ApJ 703, 752.
225. “An orbital period of 0.94 days for the hot-Jupiter planet WASP-18b.”  
C.Hellier, et al. (2009). Nature 460, 1098.
224. “Difference Imaging Photometry of Blended Gravitational Microlensing Events with a Numerical Kernel.”  
M.D.Albrow, **K.Horne**, D.M.Bramich, P.Fouqué, V.R.Miller et al. (2009). MNRAS 397, 2099.
223. “A Metric and Optimisation Scheme for Microlens Planet Searches.”  
**K.Horne**, C.Snodgrass, Y.Tsapras (2009). MNRAS 396, 2087.
222. “The 0.5  $M_J$  Transiting Exoplanet WASP-13b.”

I.Skillen, et al. (2009). *A&A* 502, 391.

221. “Discovery and Characterization of WASP-6b, an Inflated Sub-Jupiter Mass Planet Transiting a Solar-type Star.”  
M.Gillon, et al. (2009). *A&A* 501, 785.
220. “The Extreme Microlensing Event OGLE-2007-BLG-224: Terrestrial Parallax Observation of a Thick-Disk Brown Dwarf.”  
A.Gould, et al. (2009). *ApJ* 698, 147.
219. “The Low Density Transiting Exoplanet WASP-15b.”  
R.G.West, et al. (2009). *AJ* 137, 4834.
218. “A Systematic Fitting Scheme for Caustic-crossing Microlensing Events.”  
N.Kains, A.Cassan, **K.Horne**, et al. (2009). *MNRAS* 395, 787.
217. “OGLE-2005-BLG-071Lb, the Most Massive M-Dwarf Planetary Companion?”  
S.Dong, et al. (2009). *ApJ* 695, 970.
216. “Long term Optical and X-ray Variability of the Seyert Galaxy Markarian 79.”  
E.Breedt, et al. (2009). *MNRAS* 394, 427.
215. “WASP-12b: the hottest transiting extra-solar planet yet discovered.”  
L.Hebb, et al. (2009). *ApJ* 693, 1920.
214. “WASP-10b: a  $3 M_J$ , gas-giant planet transiting a late-type K star”,  
C.Christian, et al. (2009). *MNRAS* 392, 1585.
213. “WASP-14b:  $7.3 M_J$  transiting planet in an eccentric orbit”,  
Y.Joshi, et al. (2009). *MNRAS* 392, 1532.
212. “WASP-7: a Bright Transiting Exoplanet System in the Southern Hemisphere.”  
C.Hellier, et al. (2009). *ApJ* 690, 89.
211. “RoboNet-II: Follow-up observations of microlensing events with a robotic network of telescopes.”  
Y.Tsapras, R.Street, **K.Horne**, et al. (2009). *AN* 330, 4.
- 2008—
210. “WASP-5b: a dense, very-hot Jupiter transiting a 12th-mag Southern-Hemisphere star.”  
D.R.Anderson, et al. (2008). *MNRAS* 387, 4.
209. “Limits on additional planetary companions to OGLE 2005-BLG-390L”.  
D.Kubas, et al. (2008). *A&A* 483, 317.
208. “WASP-3b: a strongly-irradiated transiting gas-giant planet”  
D.Pollacco, et al. (2008). *MNRAS* 385, 1576.
207. “SuperWASP-N extra-solar planet candidates from fields  $06 \text{ h} < \text{RA} < 16 \text{ h}$ .”  
S.R.Kane, et al. (2008). *MNRAS* 384, 1097.
206. “WASP-4b: a 12th-magnitude transiting hot Jupiter in the Southern Hemisphere.”  
D.M.Wilson, et al. (2008). *MNRAS* 675, 113.
205. “Discovery of a Jupiter/Saturn Analog with Gravitational Microlensing”  
S.Gaudi, et al. (2008). *Science* 319, 927.
204. “ARTEMiS (Automated Robotic Terrestrial Exoplanet Microlensing Search): A possible expert-system based cooperative effort to hunt for planets of Earth mass and below.”

M.Dominik, **K.Horne**, A.Allan, N.J.Rattenbury, Y.Tsapras, C.Snodgrass, M.F.Bode, M.J.Burgdorf, S.N.Fraser, E.Kerins, C.J.Mottram, I.A.Steele, R.A.Street, P.J.Wheatley, L.Wyrzykowski (2008). AN 329, 248.

—2007—

203. “SuperWASP-North extrasolar planet candidates between  $3^h < RA < 6^h$ .”  
W.I.Clarkson, et al. (2007). MNRAS 381, 851.
202. “Efficient identification of exoplanetary transit candidates from SuperWASP light curves.”  
A.Collier-Cameron, D.M.Wilson, R.G.West, L.Hebb, X-B.Wang, et al. (2007). MNRAS 380, 1230.
201. “Testing thermal reprocessing in AGN accretion disks”  
E.M.Cackett, **K.Horne**, H.Winkler (2007). MNRAS 380, 669.
200. “SuperWASP-North Extra-Solar Planet Candidates: candidates between  $18^h < RA < 21^h$ .”  
R.A.Street, et al. MNRAS 379, 816.
199. “SuperWASP-North Extra-Solar Planet Candidates: candidates from fields  $17^h < RA < 18^h$ .”  
T.A.Lister, R.G.West, D.M.Wilson, et al. (2007). MNRAS 379, 647.
198. “NGC 5548 in a Low-Luminosity State: Implications for the Broad-Line Region”  
M.C.Bentz, K.D.Denney, et al. (2007). ApJ 662, 205.
197. “New periodic variable stars coincident with ROSAT sources discovered using SuperWASP”  
A.J.Norton, P.J.Wheatley, R.G.West, C.A.Haswell, R.A.Street, et al. (2007). A&A 467, 785.
196. “Exoplanet detection via microlensing with RoboNet-1.0”  
M.J.Burgdorf, D.M.Bramich, M.Dominik, M.F.Bode, **K.Horne**, I.A.Steele, N.Rattenbury, Y.Tsapras (2007). P&SS 55, 582.
195. “WASP-1b and WASP-2b: two new transiting exoplanets detected with SuperWASP and SOPHIE”  
A.Collier-Cameron, et al. (2007). MNRAS 375, 951.

—2006—

194. “No Supernovae associated with two long-duration gamma-ray bursts.”  
J.P.U.Fynbo, et al. (2006). Nature 444, 1047.
193. “The impact of correlated noise on SuperWASP detection rates for transiting extrasolar planets.”  
A.M.S.Smith, A.Collier Cameron, et al. (2006). MNRAS 373, 1151.
192. “A fast hybrid algorithm for exoplanetary transit searches”  
A.Collier Cameron et al. (2006). MNRAS 373, 799.
191. “Looking towards the detection of exoearths with SuperWASP”  
R.A.Street, et al. (2006). IJAsB 5, 183.
190. “The Mass of the Black Hole in the Seyfert 1 Galaxy NGC 4593 from Reverberation Mapping.”  
K.D.Denney, et al. (2006). ApJ 653, 152.
189. “OGLE 2004-BLG-254: a K2 III Galactic Bulge giant spatially resolved by a single microlens.”

- A.Casan, et al. (PLANET, OGLE) (2006). *A&A* 460, 277.
188. “The SuperWASP Wide-Field Exoplanetary Transit Survey: Candidates from Fields  $23^h < RA < 03^h$ ”  
D.J.Christian, et al. (2006). *MNRAS* 372, 1117.
187. “A Reverberation-Based Mass for the Central Black Hole in NGC 4151.”  
M.C.Bentz, et al. (2006). *ApJ* 651, 775.
186. “The WASP Project and the SuperWASP Cameras”  
D.L.Pollacco, I.Skillen, et al. (2006). *PASP* 118, 1407.
185. “SuperWASP Observations of the Transiting Extrasolar Planet XO-1b.”  
D.M.Wilson, B.Enoch, et al. (2006). *PASP* 118, 1245.
184. “Multiwavelength Observations of EXO 0748-676 – I. Reprocessing of X-Ray Bursts.”  
R.I.Hynes, **K.Horne**, K.O’Brien, C.A.Haswell, E.L.Robinson, A.R.King, P.A.Charles,  
K.J.Pearson (2006). *ApJ* 648, 1156.
183. “The WASP project in the era of robotic telescope networks.”  
D.J.Christian, D.L.Pollacco, I.Skillen, J.Irwin, et al. (2006). *AN* 327, 800.
182. “The WASP Project and the SuperWASP Cameras”  
D.L.Pollacco, et al. (2006). *AP&SS* 304, 253.
181. “X-ray Gas in Galaxy Cluster Abell 2029: Conformal Gravity vs Dark Matter”.  
**K.Horne** (2006) *MNRAS* 369, 1667.
180. “Microlens OGLE-2005-BLG-169 Implies Cool Neptune-like Planets Are Common.”  
A.Gould, et al. (microFUN, OGLE, MOA, PLANET/Robonet) (2006). *ApJL* 644, 37.
179. “The first cool rocky/icy exoplanet.”  
M.Dominik, **K.Horne**, M.F.Bode (2006). *A&G* 47, 25.
178. “Testing Bekenstein’s relativistic Modified Newtonian Dynamics with lensing data.”  
H-S.Zhao, D.Bacon, A.Taylor, **K.Horne** (2006). *MNRAS* 368, 171.
177. “Upper Limits on the Hot Jupiter Fraction in the Field of NGC 7789.”  
D.M.Bramich, **K.Horne** (2006). *MNRAS* 367, 1677.
176. “Photoionised  $H\beta$  Emission in NGC 5548: It Breathes!”  
E.M.Cackett, **K.Horne** (2006) *MNRAS* 365, 1180.
175. “Discovery of a cool planet of 5.5 Earth masses through gravitational microlensing.”  
J-P.Beaulieu, et al. (PLANET/Robonet, OGLE, MOA) (2006). *Nature* 439, 437.
- 2005—
174. “Results from the Wide Angle Search for Planets Prototype (WASP0) III: Planet Hunting in the Draco Field.”  
S.R.Kane, A.Collier-Cameron, **K.Horne**, D.James, T.A.Lister, D.L.Pollacco, R.A.Street,  
Y.Tsapras (2005). *MNRAS* 364, 1091.
173. “Results from the Wide Angle Search for Planets Prototype (WASP0) II: Stellar Variability in the Pegasus Field.”  
S.R.Kane, T.A.Lister, A.Collier-Cameron, **K.Horne**, D.James, D.L.Pollacco, R.A.Street,  
Y.Tsapras (2005). *MNRAS* 362, 117.
172. “A Jovian-Mass Planet in Microlensing Event OGLE 2005-BLG-071.”  
A.Udalski, et al. (OGLE, microFUN, MOA, PLANET/RoboNet) (2005). *ApJL* 628, 109.
171. “A Dearth of Planetary Transits in the Direction of NGC 6490.”

B.Hood, A.Collier-Cameron, S.R.Kane, D.M.Bramich, **K.Horne**, R.A.Street, I.A.Bond, A.J.Penny, Y.Tsapras, A.Quirrenbach, N.Safizadeh, D.Mitchell, J.Cooke (2005). MNRAS 360, 791.

170. “Full characterisation of binary-lens event OGLE 2002-BLG-069 from PLANET observations.”  
D.Kubas, A.Casan, J.P.Beaulieu, C.Coutures, M.Dominik, et al.(PLANET) (2005) A&A 435, 941.
169. “A survey for planetary transits in the field of NGC 7789.”  
D.M.Bramich, **K.Horne**, R.A.Street, A.Collier Cameron, B.Hood, J.Cooke, D.James, T.J.Lister, D.Mitchell, K.Pearson, A.Penny, A.Quirrenbach, N.Safizadeh, Y.Tsapras (2005) MNRAS 359, 1096.
168. “Variable stars in the field of open cluster NGC 6819 – II.”  
R.A.Street, **K.Horne**, T.A.Lister, A.Penny, Y.Tsapras, A.Quirrenbach, N.Safizadeh, J.Cooke, D.Mitchell, A.Collier-Cameron (2005). MNRAS 358, 795.
167. “HST/FOS Time-Resolved Spectral Mapping of IP Peg at the End of an Outburst.”  
R.K.Saito R.Baptista, **K.Horne** (2005). A&A 433, 1085.
166. “Fireballs, Flares and Flickering: A Semi-analytic, LTE, Explosive Model from Accretion Discs to Supernovae.”  
K.J.Pearson, **K.Horne**, W.Skidmore (2005). ApJ 619, 999.
- 2004—
165. “OGLE-2003-BLG-238: Microlensing Mass Estimate of an Isolated Star.”  
G.Jiang, et al. (microFUN, OGLE, PLANET) (2004). ApJ 617, 1307.
164. “Potential Direct Single-Star Mass Measurement.”  
H.Ghosh, et al. (microFUN, MOA, OGLE, PLANET) (2004). ApJ 615, 450.
163. “PASS: An All-Sky Survey for the Detection of Transiting Extrasolar Planets and for Permanent Variable Star Tracking.”  
H.J.Deeg, R.Alonso, J.A.Belmonte, K.Alsubai, **K.Horne**, L.Doyle (2004). PASP 116, 985.
162. “The pre-main-sequence binary HK Ori: spectro-astrometry and EXPORT data.”  
D.Baines, et al. (20 authors) (2004). MNRAS 353, 697.
161. “Results from the Wide Angle Search for Planets Prototype (WASP0) I: Analysis of the Pegasus Field.”  
S.R.Kane, A.Collier-Cameron, **K.Horne**, D.James, T.A.Lister, D.L.Pollacco, R.A.Street, Y.Tsapras (2004). MNRAS 353, 689.
160. “The abundance of galactic planets from OGLE-III 2002 microlensing data.”  
C.Snodgrass, **K.Horne**, Y.Tsapras (2004). MNRAS 351, 967.
159. “Observational Requirements for High-Fidelity Reverberation Mapping.”  
**K.Horne**, B.M.Peterson, S.J.Collier, H.Netzer (2004). PASP 116, 465.
158. “High-speed Keck II and RXTE Spectroscopy of Cyg X-2 – I. Three X-ray Components Revealed by Correlated Variability.”  
K.O’Brien, **K.Horne**, R.Gomer, J.B.Oke, M.van der Klis (2004). MNRAS 350, 587.
157. “Probing the atmosphere of the bulge G5III star OGLE-2002-BUL-069 by analysis of microlensed H $\alpha$  line.”  
A.Cassan, et al. (28 authors) (2004). A&A 419, 1.
156. “Study of the properties and spectral energy distributions of the Herbig AeBe stars HD 34282 and HD 141569.”

B.Merin, et al. (24 authors) (2004). *A&A* 419, 225.

155. “Dynamics of the circumstellar gas in the Herbig Ae stars BF Ori, SV Cep, WW Vul, and XY Per.”

A.Mora, et al. (25 authors) (2004). *A&A* 419, 225.

154. “The Millennium Galaxy Catalog: Star Counts and Structure of the Galactic Stellar Halo.”

D.J.Lemon, R.F.G.Wyse, J.Liske, S.P.Driver, **K.Horne** (2004). *MNRAS* 347, 1043.

153. “The Spectral Energy Distribution and Emission-Line properties of the NLS1 Galaxy Arakelian 564.”

P.Romano, S.Mathur, T.J.Turner, S.B.Kraemer, D.M.Crenshaw, B.M.Peterson, R.W.Pogge, W.N.Brand, I.M.George, **K.Horne**, G.A.Kriss, H.Netzer, O.Shemmer, W.Wamsteker (2004). *ApJ* 602, 635.

152. “A Prototype for the PASS Permanent All Sky Survey.”

H.J.Deeg, R.Alonso, J.A.Belmonte, **K.Horne**, K.Alsubai, A.Collier-Cameron, L.Doyle (2004). *AN* 325, 643. (astro-ph/0409557).

151. “Status of SuperWASP I (La Palma).”

R.A.Street, et al.(19 authors) (2004). *AN* 325, 565.

150. “Kronos: A Satellite for Astrotomography.”

B.M.Peterson, R.S.Polidan, **K.Horne** (2004). *AN* 325, 248.

149. “Echo Mapping of Active Galactic Nuclei.”

B.M.Peterson, **K.Horne** (2004). *AN* 325, 248.

148. “HST/FOS eclipse mapping of IP Pegasi in Outburst.”

R.K.Saito, R.Baptista, **K.Horne** (2004). *AN* 325, 213.

—2003—

147. “A search for starlight reflected from HD 75289 b.”

C.Leigh, A.Collier Cameron, S.Udry, J.-F.Donati, **K.Horne**, D.James, A.Penny (2003). *MNRAS* 346, L16.

146. “The remarkable rapid X-ray, ultraviolet, optical, and infrared variability in the black hole XTE J1118+480.”

R.I.Hynes, C.A.Haswell, W.Cui, C.R.Shrader, K.O’Brien, S.Chaty, D.R.Skillman, J.Patterson, **K.Horne** (2003). *MNRAS* 345, 292.

145. “A new upper limit on the reflected starlight from  $\tau$  Bootis b.”

C.Leigh, A.Collier Cameron, **K.Horne**, A.Penny, D.James (2003). *MNRAS* 344, 1271.

144. “A Concept for an STJ-based Echelle Spectrograph.”

M.Cropper, M.Barlow, M.A.C.Perryman, **K.Horne**, R.Bingham, M.Page, P.Guttridge, A.Smith, A.Peacock, D.Walker, P.Charles (2003). *MNRAS* 344, 33.

143. “Microlensing Limits on Numbers and Orbits of Extra-Solar Planets from the 1998-2000 OGLE events.”

Y.Tsapras, **K.Horne**, S.Kane, R.Carson (2003). *MNRAS* 343, 1131.

142. “Searching for Planetary Transits in the Field of Open Cluster NGC 6819 - I.”

R.A.Street, **K.Horne**, T.A.Lister, A.Penny, Y.Tsapras, A.Quirrenbach, N.Safizadeh, D.Mitchell, J.Cooke, A.C.Cameron (2003). *MNRAS* 340, 1287 (2003).

141. “Quasar Tomography: Unification of Echo Mapping and Photoionization Models.”

**K.Horne**, K.T.Korista, M.Goad (2003). MNRAS 339, 367.

140. “Fireball Models for Flares in AE Aqr.”

K.J.Pearson, **K.Horne**, W.Skidmore (2003). MNRAS 338, 1067.

139. “High Speed Keck Spectroscopy of Flares and Oscillations in AE Aqr.”

W.Skidmore, K.O’Brien, **K.Horne**, R.Gomer, J.B.Oke, K.J.Pearson (2003). MNRAS 338, 1057.

—2002—

138. “Constraints on Jupiters from Observations of Galactic Bulge Microlensing Events during 2000.”

Y.Tsapras, **K.Horne**, R.Carson, J.M.Alvarez, D.Batcheldor, A.W.Graham, P.A.James, J.Knapen, H.Quaintrell, I.G.Serrano, P.Sorensen N.Wooder (2002). MNRAS 337, 41.

137. “A dynamical study of the circumstellar gas in UX Orionis.”,

A.Mora, A.Natta, C.Eiroa, C.A.Grady, D.de Winter, J.K.Davies, R.Ferlet, A.W.Harris, B.Montesinos, R.D.Oudmaijer, H.Rauer, A.Alberdi, A.Cameron, H.J.Deeg, F.Garzón, **K.Horne** B.Merín, A.Penny, J.Schneider, E.Solano, Y.Tsapras, P.R.Wesselius (2002). A&A 393, 259.

136. “Spectroscopic Observations of the candidate sgB[e]/X-ray Binary CI Cam.”

R.I.Hynes, J.S.Clark, E.A.Barsukova, P.J.Callanan, P.A.Charles, A.Collier-Cameron, N.S.Fabrika, M.R.Garcia, C.A.Haswell, **K.Horne**, A.Miroshnichenko, I.Negueruela, P.Reig, W.F.Welsh, D.K.Witherick (2002). A&A 292, 991.

135. “Echoes in X-ray Binaries.”

K.O’Brien, **K.Horne**, R.I.Hynes, W.Chen, C.A.Haswell, M.D.Still (2002). MNRAS 334, 426.

134. “The Patchy Accretion Disk in HT Cas.”

S.Vrielmann, F.V.Hessman, **K.Horne** (2002). MNRAS 332, 176.

133. “On the Simultaneous Optical and Near-Infrared Variability of Pre-Main Sequence Stars.”

C.Eiroa, R.D.Oudmaijer, J.K.Davies, D.de Winter, F.Garzón, J.Palacios, A.Alberdi, R.Ferlet, C.A.Grady, A.Cameron, H.J.Deeg, A.W.Harris, **K.Horne**, B.Merín, L.F.Miranda, B.Montesinos, A.Mora, A.Penny, A.Quirrenbach, H.Rauer, J.Schneider, E.Solano, Y.Tsapras, P.R.Wesselius, (2002) A&A 384, 1038.

132. “Variable Stars in the Field of Open Cluster NGC 6819.”

R.A.Street, **K.Horne**, T.A.Lister, A.Penny, Y.Tsapras, A.Quirrenbach, N.Safizadeh, J.Cooke, D.Mitchell, A.C.Cameron (2002). MNRAS 330, 737.

131. “A Search for Starlight Reflected from Upsilon And’s Innermost Planet.”

A.C.Cameron, **K.Horne**, A.Penny, C.Leigh (2002). MNRAS 330, 187.

130. “Reddening, Emission-Line, and Intrinsic Absorption Properties in the Narrow-Line Seyfert 1 Galaxy Akn 564.”

D.M.Crenshaw, S.B.Kraemer, T.J.Turner, S.Collier, B.M.Peterson, et al. (17 authors) (2002). ApJ 566, 187.

—2001—

129. “EXPORT: Optical Photometry and Polarimetry of Vega-type and Pre-Main Sequence Stars.”

R.D.Oudmaijer, J.Palacios, C.Eiroa, et al (23 authors) (2001). A&A 379, 564.

128. “Multiwavelength Monitoring of the Narrow-Line Seyfert 1 Galaxy Akn 564. II. Ultraviolet Continuum and Emission-Line Variability.”



S.Collier, D.M.Crenshaw, B.M.Peterson, et al. (18 authors) (2001). ApJ 561, 146.

127. “Keck II Spectroscopy of mHz Quasi-Periodic Oscillations in Her X-1.”  
K.O’Brien, **K.Horne**, B.Boroson, M.D.Still, R.Gomer, J.B.Oke, P.Boyd,  
S.D.Vrtilek (2001). MNRAS 326, 1067
126. “Can Jupiters be found by Monitoring Galactic Bulge Microlensing Events from Northern Sites?”  
Y.Tsapras, R.A.Street, **K.Horne**, et al. (26 authors) (2001) MNRAS 325, 120.
125. “RXTE Observations of Her X-1 During the July 1998 Short-high State.”  
M.Still, K.O’Brien, **K.Horne**, D.Hudson, B.Boroson, S.D.Vrtilek, H.Quaintrell,  
H.Fiedler (2001). ApJ 553, 776.
124. “Atmospheric Reflection during an Anomalous Low-State of Her X-1.”  
M.Still, K.O’Brien, **K.Horne**, B.Boroson, L.G.Titarchuk, K.Engle, S.D.Vrtilek,  
H.Quaintrell, H.Fiedler (2001). ApJ 554, 352.
123. “Emission Line Oscillations in the Dwarf Nova V2051 Oph.”  
D.Steeghs, K.O’Brien, **K.Horne**, R.Gomer, J.B.Oke (2001). MNRAS 323, 484.
122. “Monitoring of the Optical and 2.5-11.7 Micron Spectrum and Mid-IR Imaging of the Seyfert 1 Galaxy Mrk 279 with ISO.”  
M. Santos-Lleo, J.Clavel, B.Shulz, et al. (32 authors) (2001). A&A 369, 57.
121. “Planetary Dynamics in Stellar Clusters.”  
I.A.Bonnell, K.W.Smith, M.B.Davies, **K.Horne** (2001) MNRAS 322, 859.
120. “EXPORT: Near-IR Observations of Vega-type and Pre-main Sequence Stars.”  
C.Eiroa, F.Garzón, et al. (24 authors) (2001). A&A 365, 110.
- 2000—
119. “Discovery of Millihertz Ultraviolet Quasi-Periodic Oscillations in Her X-1.”  
B.Boroson, K.O’Brien, **K.Horne**, T.Kallman, M.Still, P.T.Boyd, H.Quaintrell,  
S.D.Vrtilek (2000). ApJ 545, 399.
118. “Temporal Variations of the White Dwarf and Disk in OY Car Following the 1992 Superoutburst.”  
F-H.Cheng, **K.Horne**, T.R.Marsh, I.Hubeny, E.M.Sion (2000). ApJ 652, 1064.
117. “Spatially Resolved Spectra of the Accretion Disc of the Nova-Like Variable UU Aqr.”  
R.Baptista, C.Silveira, J.E.Steiner, **K.Horne** (2000). MNRAS 314, 713.
- 1999—
116. “Analysis of the Oscillations in HST Observations of the Quiescent SU UMa type Dwarf Nova WZ Sagittae.”  
W.Skidmore, W.F.Welsh, J.H.Wood, M.S.Catalan, **K.Horne** (1999). MNRAS 310, 750.
115. “Probable detection of Starlight Reflected from the Giant Exoplanet Orbiting Tau Bootis.”  
A.C.Cameron, **K.Horne**, A.Penny, D.James (1999). Nature 402, 751.
114. “Physical Parameter Eclipse Mapping.”  
S.Vrielmann, **K.Horne**, F.V.Hessman (1999). MNRAS 306, 766.
113. “Spiral Shocks in the Accretion Disc of IP Peg during Outburst Maximum.”  
E.T.Harlaftis, D.Steeghs, **K.Horne**, E.Martin, A.Magazzu (1999). MNRAS 306, 348.
112. “The emission-line Pulse Pattern in the Intermediate Polar RX J0558+53.”

E.T.Harlaftis, **K.Horne** (1999). MNRAS 305, 437.

111. “Modelling of the Magnetic Accretion Flow in HU Aqr.”  
C.Heerlein, **K.Horne**, A.D.Schwope (1999). MNRAS 304, 145.
110. “A New Direct Method for Measuring the Hubble Constant from Reverberating Accretion Disks in Active Galaxies.”  
S.Collier, **K.Horne**, I.Wanders, B.Peterson (1999). MNRAS 302, L24.
109. “Keck Observations of the Black-Hole Candidate GRO J0422+32 Revisited.”  
E.T.Harlaftis, S.J.Collier, **K.Horne**, A.V.Filippenko (1999). A&A 341, 491.
- 1998—
108. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. XIII. Ultraviolet Observations of the Broad-Line Radio Galaxy 3C 390.3.”  
P.T.O’Brien, et al. (86 authors) (1998). ApJ 509, 163.
107. “The Discovery and Broadband Follow-up of the Transient Afterglow of GRB 980703.”  
J.S.Bloom, et al. (17 authors) (1998) ApJ 508, 21.
106. “HST and Ground-Based Eclipse Observations of V2051 Ophiuchi: Binary Parameters.”  
R.Baptista, M.S.Catalan, **K.Horne**, D.Zilli (1998). MNRAS 300, 233.
105. “The 1996 Outburst of GRO J1655-40: The Challenge of Interpreting the Multiwavelength Spectra.”  
R.I.Hynes, C.A.Haswell, C.R.Shrader, W.Chen, **K.Horne**, E.T.Harlaftis, K.O’Brien, C.Hellier, R.P.Fender (1998). MNRAS 300, 64.
104. “Echoes from an Irradiated Disc in GRO J1655-40.”  
R.I.Hynes, K.O’Brien, **K.Horne**, W.Chen, C.A.Haswell (1998) MNRAS 299, L37.
103. “A Double-Frequency Dwarf Nova Oscillation in OY Car.”  
T.R.Marsh, **K.Horne** (1998) MNRAS 299, 921.
102. “HST Spatially-resolved Spectra of the Accretion Disc and Gas Stream of the Nova-like Variable UX Ursae Majoris.”  
R.Baptista, **K.Horne**, R.A.Wade, I.Hubeny, K.S.Long, R.G.M.Rutten (1998). MNRAS 298, 1079.
101. “Doppler Signatures of H $\alpha$  Flares in AE Aqr.”  
W.F.Welsh, **K.Horne**, R.H.Gomer (1998). MNRAS 298, 285.
100. “On Uncertainties in Cross-Correlation Lags and the Reality of Wavelength-Dependent Continuum Lags in Active Galactic Nuclei.”  
B.M.Peterson, I.Wanders, **K.Horne**, S.Collier, T.Alexander, S.Kaspi, D.Maoz (1998). PASP 110, 660.
99. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. XIV. Intensive Optical Spectrophotometric Observations of NGC 7469.”  
S.Collier, **K.Horne**, S.Kaspi, et al. (22 authors) (1998). ApJ 500, 162.
98. “Recovery of 29 s Coherent Oscillations in the HST/FOS Eclipse Observations of the Nova-like Cataclysmic Variable UX UMa.”  
C.Knigge, N.Drake, K.S.Long, R.A.Wade, **K.Horne**, R.Baptista, (1998). ApJ 499, 429.
97. “HST/FOS Eclipse Observations of the Nova-like Cataclysmic Variable UX Ursae Majoris.”

C.Knigge, K.S.Long, R.A.Wade, **K.Horne**, R.Baptista, I.Hubeny, R.G.M.Rutten (1998). ApJ 499, 414.

96. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. XII. Ground-Based Monitoring of 3C 390.3.”  
M.Dietrich, B.M.Peterson, et al. (58 authors) (1998). ApJS 115, 185.

—1997—

95. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. XI. Intensive Monitoring of the Ultraviolet Spectrum of NGC 7469.”  
I.Wanders, et al. (87 authors) (1997). ApJS 113, 69.
94. “Eclipse Maps of the Dwarf Nova IP Peg on the Decline from Outburst.”  
A.Bobinger, **K.Horne**, K.H.Mantel, S.Wolf (1997). A&A 327, 1023.
93. “Spiral Structure in the Accretion Disk of the Binary IP Pegasi.”  
D.Steeghs, E.T.Harlaftis, **K.Horne** (1997). MNRAS 290, L28. (Erratum: MNRAS, 296, 463)
92. “A Doppler Map and Mass-Ratio Constraint for the Black-Hole X-ray Nova Ophiuchi 1977.”  
E.T.Harlaftis, D. Steeghs, **K.Horne**, A.V.Filippenko (1997). AJ 114, 1170.
91. “HST Synthetic Spectral Analysis of U Gem in Early and Late Quiescence: A Heated White Dwarf and Accretion Belt?”  
F-H.Cheng, E.M.Sion, **K.Horne**, I.Hubeny, M.Huang, S.D.Vrtilek (1997). AJ 114, 1165.
90. “HST Observations of IP Pegasi in Quiescence: the Pre-Eclipse Spectrum.” D.W.Hoard, R.Baptista, M.Eracleous, **K.Horne**, K.A.Misselt, A.W.Shafter, P.Szkody, J.H.Wood (1997). MNRAS 288, 691.
89. “Kilohertz Quasi-Periodic Oscillation Peak Separation is Not Constant in Sco X-1.”  
M. van der Klis, R.Wijnands, **K.Horne**, W.Chen (1997). ApJL 481, 97.
88. “Magnetic Pumping in the Cataclysmic Variable AE Aqr.”  
J.Kuijpers, L.Fletcher, M.Abada-Simon, **K.Horne**, M.A.Raadu, G.Ramsay, D.Steeghs (1997). A&A 322, 242.
87. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. IX. Ultraviolet Observations of Fairall 9.”  
P.M.Rodriguez-Pascual, et al. (56 authors) (1997). ApJS 110, 9.
86. “The Intricate Optical Line Behaviour of the Nova-Like System V795 Her.”  
R.Dickinson, R.K.Prinja, S.R.Rosen, A.King, C.Hellier, **K.Horne** (1997). MNRAS 286, 447.
85. “A Magnetic Propeller in the Cataclysmic Variable AE Aqr.”  
G.A.Wynn, A.R.King, **K.Horne** (1997). MNRAS 286, 436.
84. “Detection of the X-ray-heated companion of X1822-371.”  
E.T.Harlaftis, P.A.Charles, **K.Horne** (1997). MNRAS 285, 673.
83. “Phase-Resolved High Resolution Spectrophotometry of the Eclipsing Polar HU Aqr.”  
A.D.Schwope, K.H.Mantel, **K.Horne** (1997). A&A 319, 894.

—1996—

82. “A Month in the Life of NGC 4151: Velocity-Delay Maps of the Broad-Line Region.”

M.-H.Ulrich, **K.Horne** (1996). MNRAS 283, 748.

81. “The Speedy Magnetic Propeller in the Cataclysmic Variable AE Aqr.”  
M.Eracleous, **K.Horne** (1996). ApJ 471, 427.
80. “The Disappearing Broad Absorption Lines and Variable Emission Lines in NGC 3516.”  
A.Koratkar, M.Goad, P.T.O’Brien, M.Goad, I.Salamanca, I.Wanders, et al. (20  
authors) (1996). ApJ 470, 378.
79. “Multiwavelength Observations of Short-Timescale Variability in NGC 4151. IV. Analysis  
of Multiwavelength Continuum Variability.”  
R.A.Edelson et al. (105 authors) (1996). ApJ 470, 364.
78. “Multiwavelength Observations of Short-Timescale Variability in NGC 4151. I. Ultraviolet  
Observations.”  
D.M.Crenshaw et al. (86 authors) (1996). ApJ 470, 322.
77. “The Mass Ratio and the Disk Image of the X-Ray Nova GS2000+25.”  
E.T.Harlaftis, **K.Horne**, A.V.Filippenko (1996). PASP 108, 762.
76. “Multicolor Eclipse Studies of UU Aqr: II. The Accretion Disk.”  
R.Baptista, J.E.Steiner, **K.Horne** (1996). MNRAS 282, 99.
75. “Slingshot Prominences during Dwarf Nova Outbursts?”  
D.Steeghs, **K.Horne**, T.R.Marsh, J.F.Donati (1996). MNRAS 281, 626.

—1995—

74. “The Spin Period of the Intermediate Polar RX J0558+53.”  
A.Allan, **K.Horne**, C.Hellier, K.Mukai, H.Barwig, P.J.Bennie, R.W.Hilditch (1996).  
MNRAS 279, 1345.
73. “Superhumps and Ultraviolet Superdips: HST Observations of OY Car.”  
I.Billington, T.R.Marsh, **K.Horne**, F.Cheng, G.Thomas, A.Bruch, D.O’Donoghue,  
M.Eracleous (1996). MNRAS 279, 1274.
72. “The 71-Second Oscillation in the Light Curve of the Old Nova DQ Her.”  
E.Zhang, E.L.Robinson, R.F.Stiening, **K.Horne** (1995). ApJ 454, 447.
71. “The Geometry and Kinematics of the Broad-Line Region in NGC 5548 from HST and  
IUE Observations.”  
I.Wanders, M.R.Goad, K.T.Korista, B.M.Peterson, **K.Horne**, G.Ferland, A.P.Koratkar,  
R.W.Pogge, J.C.Shields (1995). ApJL 453, L87.
70. “A Study of the Absorption Lines from the Donor Star in the Exotic Cataclysmic Variable  
AE Aqr.”  
W.F.Welsh, **K.Horne**, R.Gomer (1995). MNRAS 275, 649.
69. “HST and R-band Eclipse Maps of the UX UMa Accretion Disk.”  
R.Baptista, **K.Horne**, R.W.Hilditch, K.O.Mason, J.E.Drew (1995). ApJ 448 395
68. “Taking the Pulse of DQ Her.”  
P.J.Martell, **K.Horne**, R.H.Gomer, C.M.Price (1995). ApJ 448, 380.
67. “Spectroscopic Monitoring of Active Galactic Nuclei from CTIO. I. NGC 3227.”  
C.Winge, B.M.Peterson, **K.Horne**, R.W.Pogge, M.G.Pastoriza,  
T.Storchi-Bergmann (1995). ApJ 445, 680.
66. “The Discovery of High Velocity Flares in NV and the Detection of Carbon in the Double  
Degenerate Binary GP Com.”

T.R.Marsh, J.H.Wood, **K.Horne**, and D.Lambert (1995). MNRAS 274, 452.

65. “Eclipse Observations of an Accretion Disk Wind.”  
K.O.Mason, J.E.Drew, F.A.Cordova, **K.Horne**, R.W.Hilditch, C.Knigge, T.Lanz, T.Meylan (1995). MNRAS 274, 271.
64. “Emission Line Signatures of Anisotropic Turbulence in Accretion Disks.”  
**K.Horne** (1995). A&A 297, 273.
63. “Steps Toward Determination of the Size and Structure of the Broad Line Region in Active Galactic Nuclei. VIII. An Intensive HST, IUE, and Ground-based Study of NGC 5548.”  
K.T.Korista, et al. (112 authors) (1995). ApJS 97, 285.
62. “The Dim Inner Accretion Disk of the Quiescent Black Hole A0620-00.”  
J.McClintock, **K.Horne**, R.Remillard (1995). ApJ 442, 358.
61. “Multi-Wavelength Monitoring of the BL Lacertae Object PKS 2155–304: IV.Multi-Wavelength Analysis.”  
R.Edelson, J.Krolik, G.Madejski, L.Maraschi, G.Pike, C.M.Urry, et al. (50 authors) (1995). ApJ 438, 120.

—1994—

60. “Echo Mapping of AGN Broad-Line Regions : Fundamental Algorithms.”  
R.Vio, **K.Horne**, W.Wamsteker (1994). PASP 106, 1091.
59. “The Ultraviolet Pulsations of the Cataclysmic Variable AE Aqr as Observed with the Hubble Space Telescope.”  
M.Eracleous, **K.Horne**, E.L.Robinson, E.-H.Zhang, T.R.Marsh, J.H.Wood (1994). ApJ 433, 313.
58. “Echo Mapping the Balmer Emission Region in NGC 3516.”  
I.Wanders, **K.Horne** (1994). A&A 289, 76.
57. “An Atlas of Doppler Emission Line Tomography of Cataclysmic Variable Stars.”  
R.H.Kaitchuck, E.M.Schlegel, R.K.Honeycutt, T.R.Marsh, **K.Horne**, J.C.White II, and C.S.Mansperger (1994). ApJS 93, 519. *Erratum: ApJS, 98, 367.*
56. “HST Eclipse Mapping of Dwarf Nova OY Car in Quiescence: An Fe II Curtain with Mach 6 Velocity Dispersion Veils the White Dwarf.”  
**K.Horne**, T.R.Marsh, F.-H.Cheng, I.Hubeny, T.Lantz (1994). ApJ 426, 294.
55. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei. VII. Variability of the Optical Spectrum of NGC 5548 over Four Years.”  
B.M.Peterson, et al. (39 authors) (1994). ApJ 425, 622.
54. “Steps Toward Determination of the Size and Structure of the Broad-Line Region in Active Galactic Nuclei V. Variability of the Ultraviolet Continuum and Emission Lines of NGC 3783.”  
G.Reichert P.M.Rodríguez-Pascual, et al. (64 authors) (1994). ApJ 425, 582.
53. “A Spectrophotometric Study of the Cataclysmic Variable 1329-294.”  
M.D.Still, T.R.Marsh, V.S.Dhillon, and **K.Horne** (1994). MNRAS 267, 957.
52. “1H 1752+081: An Eclipsing Cataclysmic Variable with a Small Accretion Disk.”  
A.D.Silber, R.A.Remillard, **K.Horne**, H.V.Bradt (1994). ApJ 424, 955.
51. “Monitoring of Active Galactic Nuclei. IV. The Seyfert 1 Galaxy NGC 4593.”  
M.Dietrich, M.Kollatschny, W.et al. (33 authors) (1994). A&A 284, 33.
50. “Spectral Eclipse Mapping of the Accretion Disk in the Cataclysmic Variable UX UMa.”

R.G.M.Rutten, V.S.Dhillon, **K.Horne**, E.Kuulkers (1994). *A&A* 283, 441.

49. “Mapping the Accretion Region in AM Her systems: ST LMi.”  
M.Cropper, **K.Horne** (1994). *MNRAS* 267, 481.

—1993—

48. “Spectroscopic Monitoring of Active Galactic Nuclei. II. The Seyfert 1 Galaxy NGC 3516.”  
I.Wanders, E.van Groningen, et al. (32 authors) (1993). *A&A* 269, 39.
47. “CP Puppis: No Ordinary Old Nova.”  
J.C.White II, R.K.Honeycutt, **K.Horne** (1993). *ApJ* 412, 278.
46. “On the Mass of the Compact Object in the Black Hole Binary A0620-00.”  
C.A.Haswell, E.L.Robinson, **K.Horne**, R.F.Stiening, T.M.C.Abbott (1993). *ApJ* 411, 802.
45. “On the Location of the Oscillations in AE Aqr.”  
W.F.Welsh, **K.Horne**, R.Gomer (1993). *ApJL* 410, L39.
44. “On the Mass of Nova DQ Her (1934).”  
**K.Horne**, W.F.Welsh, R.A.Wade (1993). *ApJ* 410, 357.
43. “Period and Disk Radius Changes in the Dwarf Nova IP Peg.”  
S.Wolf, K.H.Mantel, **K.Horne**, H.Barwig, R.Schoembs, O.Baernbantner (1993). *A&A* 273, 160.
42. “Spectrally-resolved Eclipse Maps of the Accretion Disk in UX UMa.”  
R.G.M.Rutten, V.S.Dhillon, **K.Horne**, E.Kuulkers, J.van Paradijs (1993). *Nature* 362, 518.
41. “Optical Spectrophotometry of Oscillations and Flickering in AE Aqr.”  
W.F.Welsh, **K.Horne**, J.B.Oke (1993). *ApJ* 406, 229.
40. “Ultraviolet spectroscopy of Nova Muscae 1991.”  
C.R.Shrader, R.Gonzalez-Riestra, F.H.Cheng, **K.Horne**, N.Panagia, R.Gilmozzi,  
N.Lund (1993). *A&A Suppl* 97, 309.
39. “The Structure of the Broad-Line Region in the Seyfert Galaxy Markarian 590.”  
B.M.Peterson, B.Ali, **K.Horne**, R.Bertram, N.J.Lame, R.W.Pogge, R.M.Wagner (1993).  
*ApJ* 402, 469.

—1992—

38. “The HST Observations of X-Ray Nova Muscae 1991 and its Spectral Evolution.”  
F.-H.Cheng, **K.Horne**, N.Panagia, C.R.Shrader, R.Gilmozzi, F.Paresce, N.Lund (1992).  
*ApJ* 397, 664.
37. “Albedo Maps of Pluto and Charon: Initial Mutual Event Results.”  
M.W.Buie, D.J.Tholen, **K.Horne** (1992). *Icarus* 97, 211.
36. “Anisotropic Line Emission and the Geometry of the Broad-Line Region in Active Galactic Nuclei.”  
G.J.Ferland, B.M.Peterson, **K.Horne**, W.F.Welsh, S.Nahar (1992). *ApJ* 387, 95.
35. “Eclipse Studies of the Dwarf Nova HT Cas II: White Dwarf and Accretion Disk.”  
J.H.Wood, **K.Horne**, S.Vennes (1992). *ApJ* 385, 294.

—1991—

34. “Echo Images of AGN Broad Line Regions.”  
W.F.Welsh, **K.Horne** (1991). *ApJ* 379, 586.
33. “Eclipse Studies of the Dwarf Nova HT Cas I: Observations and System Parameters.”

**K.Horne**, J.Wood, R.F.Stiening (1991). ApJ 378, 271.

32. “Rotation and Emission-Lines in Stars and Accretion Disks.”

**K.Horne**, S.H.Saar (1991). ApJL 374, L55.

31. “UV Variability of NGC 5548: Dynamics of the Continuum Production Region and Geometry of the Broad Line Region.”

J.H.Krolik, **K.Horne**, T.R.Kallman, M.A.Malkan, R.A.Edelson, G.A.Kriss (1991). ApJ 371, 541.

30. “Echo Mapping of Broad H $\beta$  Emission in NGC 5548.”

**K.Horne**, W.F.Welsh, B.M.Peterson (1991). ApJL 367, L5.

29. “Evidence for CNO Processed Material in the Accretion Disk of GP Com.”

T.R.Marsh, **K.Horne**, S.Rosen (1991). ApJ 366, 535.

—1990—

28. “Doppler Imaging of the Dwarf Nova U Gem.”

T.R.Marsh, **K.Horne**, E.M.Schlegel, K.Honeycutt, R.H.Kaitchuck (1990). ApJ 364, 637.

27. “White Dwarf Radii and Boundary Layer Constraints in Three Dwarf Novae.”

J.H.Wood, **K.Horne** (1990). MNRAS 242, 606.

26. “X-ray Eclipse Mapping of AR Lac.”

N.E.White, R.A.Shafer, **K.Horne**, A.N.Parmar, J.L.Culhane (1990). ApJ 350, 776.

25. “Emission Line Mapping of Dwarf Nova IP Peg in Outburst and Quiescence.”

T.R.Marsh, **K.Horne** (1990). ApJ 349, 593.

—1989—

24. “The Ephemeris and Variations of the Accretion Disk Radius in IP Peg.”

J.H.Wood, T.R.Marsh, E.L.Robinson, R.F.Stiening, **K.Horne**, R.J.Stover, R.Schoembs, S.L.Allen, H.E.Bond, D.H.P.Jones, A.D.Grauer, R.Ciardullo (1989). MNRAS 239, 809.

23. “Evidence for a Massive White Dwarf in Nova V1500 Cyg 1975.”

**K.Horne**, D.P.Schneider (1989). ApJ 343, 888.

22. “Eclipse Studies of the Dwarf Nova OY Car in Quiescence.”

J.H.Wood, **K.Horne**, G.Berriman, R.Wade (1989). ApJ 341, 974.

—1988—

21. “Images of Accretion Discs II. Doppler Tomography.”

T.R.Marsh, **K.Horne** (1988). MNRAS 235, 269.

20. “The Structure of the Inner R Aqr Nebula in the Light of H $\alpha$  and [NII] 6584 $\text{\AA}$  Emission.”

F.Paresce, C.Burrows, **K.Horne** (1988). ApJ 329, 318.

19. “The Radial Velocity Curve and Peculiar TiO Distribution of the Red Secondary Star in Z Cha.”

R.A.Wade, **K.Horne** (1988). ApJ 324, 411.

—1987—

18. “A Spectrophotometric Study of the Emission Lines in the Quiescent Dwarf Nova Z Cha.”

T.R.Marsh, **K.Horne**, H.L.Shipman (1987). MNRAS 225, 551.

—1986—

17. “An Optimal Extraction Algorithm for CCD Spectroscopy.”

**K.Horne** (1986). PASP 98, 609.

16. “A Dynamical Model for the Dwarf Nova AH Her.”  
**K.Horne**, R.A.Wade, P.Szkody (1986). MNRAS 219, 791.
15. “High Speed Photometry of the Dwarf Nova Z Cha in Quiescence.”  
J.H.Wood, **K.Horne**, G.Berriman, R.Wade, D.O’Donoghue, B.Warner (1986). MNRAS 219, 629.
14. “Emission Line Formation in Accretion Discs.”  
**K.Horne**, T.R.Marsh (1986). MNRAS 218, 761.
13. “A Spectroscopic Study of the X-ray Binary V1727 Cyg.”  
**K.Horne**, F.Verbunt, D.P.Schneider (1986). MNRAS 218, 63.

—1985—

12. “Optical Studies of the X-ray Transient EXO 0748-676.”  
R.A.Wade, H.Quintana, **K.Horne**, T.R.Marsh (1985). PASP 97, 1092.
11. “Eclipse Maps of the Accretion Disc in RW Tri.”  
**K.Horne**, R.F.Stiening (1985). MNRAS 216, 933.
10. “UBV Images of the Z Cha Accretion Disc in Outburst.”  
**K.Horne**, M.C.Cook (1985). MNRAS 214, 307.
9. “Images of Accretion Discs I. The Eclipse Mapping Method.”  
**K.Horne** (1985). MNRAS 213, 129.

—1984—

8. “A Disc Origin for Superhumps in SU UMa Stars.”  
**K.Horne** (1984). Nature 312, 348.

—1983—

7. “The Correlated X-ray and Optical Time Variability of TT Ari.”  
K.A.Jensen, F.A.Cordova, J.Middleditch, K.O.Mason, A.D.Grauer, **K.Horne**,  
R.Gomer (1983). ApJ 270, 211.

—1982—

6. “A First Look at the Eclipsing Cataclysmic Variable Lanning 10.”  
**K.Horne**, H.H.Lanning, R.Gomer (1982). ApJ 252, 681.

—1981—

5. “Rapid X-ray and Optical Flares from Sco X-1.”  
L.D.Petro, H.V.Bradt, R.L.Kelley, **K.Horne**, R.Gomer (1981). ApJL 251, L7.
4. “Solar Limb Brightening at 1.3 Millimeters.”  
**K.Horne**, G.J.Hurford, H.Zirin, Th.de Graauw (1981). ApJL 244, L340.
3. “The Diameter of Juno from its Occultation of AB+0°1022.”  
R.L.Millis, et al. (38 authors) (1981). AJ 86, 306.

—1980—

2. “Stepanyan’s Star: A New Eclipsing Cataclysmic Variable.”  
**K.Horne** (1980). ApJL 242, L167.
1. “Phase Variability in the Rapid Oscillations of SS Cyg.”  
**K.Horne**, R.Gomer (1980). ApJ 237, 845.