Eric Agol

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Education: 1997 - PhD., Physics, University of California, Santa Barbara
1992 - B.A., Physics and Mathematics, University of California, Berkeley

Employment: 2009 to present - Associate Professor, University of Washington
2003 to 2009- Assistant Professor, University of Washington
2000 to 2003 - Chandra Fellow, California Institute of Technology
1997 to 2000 - Postdoctoral fellow, Johns Hopkins University

Prior scientific performance: I have co-authored 100+ refereed papers, including more than 40 related to extrasolar planets, with over 4000 citations. Some of my discoveries include: 1) an analytic formulation of transiting planet light curves (Mandel & Agol 2002); 2) transit-timing variations (Agol et al. 2005); 3) the first phase functions of hot Jupiters and longitudinal map (Knutson et al. 2007); 4) the white dwarf 'habitable' zone (Agol 2011); 5) the first secondary eclipse of an exoplanet (Majeau et al. 2012); 6) the smallest diameter planet in the habitable zone of another star, Kepler-62f (Borucki, Agol et al. 2013); 7) the closest two orbiting planets, Kepler-36 (Carter, Agol et al. 2012).

Selected Publications:

Borucki, W., Agol, E., et al., Kepler-62: A five-planet system with planets of 1.4 and 1.6 Earth radii in the Habitable Zone, *Science* **340**, 587–590 (2013).

Carter, J. & Agol, E., The Quasiperiodic Automated Transit Search Algorithm, *ApJ* **765**, 132 (2013).

Eastman, J., Gaudi, B.S. & Agol, E., 2013, EXOFAST: A Fast Exoplanetary Fitting Suite in IDL, *PASP* **125**, 83–112 (2013).

Carter, J., Agol, E., et al., Kepler-36: A Pair of Planets with Neighboring Orbits and Dissimilar Densities, *Science* **337**, 556–559 (2012).

Majeau, C., Agol, E. & Cowan, N.B., A Two-dimensional Infrared Map of the Extrasolar Planet HD 189733b, *ApJL* **747**, 20 (2012).

Agol, E., Transit Surveys for Earths in the Habitable Zones of White Dwarfs. *ApJL* **731**, 31 (2011).

Knutson, H. A., et al., A map of the day-night contrast of the extrasolar planet HD 189733b. *Nature* **447**, 183–186 (2007).

Agol, E., J. Steffen, R. Sari, & W. Clarkson, On detecting terrestrial planets with timing of giant planet transits. *MNRAS* **359**, 567–579 (2005).

Mandel, K. & Agol, E., Analytic Light Curves for Planetary Transit Searches, *ApJL* **580**, 171–175 (2002).