

Dr. Rory Kevin Barnes

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EMPLOYMENT

2011 – Research Staff, Astronomy Dept. & Astrobiology Program, U. of Washington

2009 – 2011 VPL/IGERT Postdoctoral Research Associate to Victoria Meadows, Astronomy Dept., U. of Washington

2004 – 2008 Postdoctoral Research Associate to Richard Greenberg, Lunar and Planetary Laboratory, U. of Arizona.

EDUCATION

Ph.D. Astronomy, University of Washington, 2004

Dissertation: Dynamics of the Initial Planetesimal Disk (Adviser: Thomas Quinn)

M.S. Astronomy, University of Washington, 1999

B.S. Astronomy, University of Arizona, 1998

B.S. Physics, University of Arizona, 1998

HONORS AND AWARDS

2002-2004 NASA GSRP Fellowship

2009 NASA Group Achievement Award (for my contribution to the SIM Double Blind study)

SELECTED RELEVANT PUBLICATIONS

A. Book

Formation and Evolution of Exoplanets. 2010. **R. Barnes** (Ed.), Wiley-VCH. Berlin

B. Refereed Publications

Barnes, R. *et al.* 2013. Tidal Venuses: Triggering a Climate Catastrophe via Tidal Heating. *Astrobiology*, 13, 279–291.

Kundurthy, P., **Barnes, R.** *et al.* 2013. APOSTLE: Longterm Transit Monitoring and Stability Analysis of XO-2b. *Astrophys. J.*, submitted.

Barnes, R. *et al.* 2011. Origin and Dynamics of the Mutually Inclined Orbits of *v* Andromedae c and d. *Astrophys. J.*, 726, 71.

Jackson, B., Miller, N., **Barnes, R.**, *et al.* 2010. The Roles of Tidal Evolution and Evaporative Mass Loss in the Origin of CoRoT-7 b. *Mon. Not. Roy. Astron. Soc.*, 407, 910-922.

Barnes, R. *et al.* 2008. Tides and the Evolution of Planetary Habitability. *Astrobiology*, 8, 557-568.

Barnes, R., & Greenberg, R., 2006. Behavior of Apsidal Motion in Planetary Systems. *Astrophys. J.*, 652, 53-56.

Barnes, R., & Greenberg, R. 2006. Extrasolar Planetary Systems Near a Secular Separatrix. *Astrophys. J.* 638, 478 – 487.