

ARIAH KIDDER, Ph.D.

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EDUCATION

PhD in Geophysics (2011) University of Washington, Seattle, WA

Dissertation: Dynamic heavy ions and reconnection in the magnetospheres of Mercury and Saturn

BA in Physics (2004) Reed College, Portland, OR

PROFESSIONAL EXPERIENCE

Program Manager, NESAC/BIO and Molecular Analysis Facility, Bioengineering Dept., University of Washington, Seattle, WA, 2015-Present

Data Scientist, Private Research/Medical Practice, Seattle, WA, 2013-2015

Scientific Writing Editor, Fluent Prose Scientific Editing, Seattle, WA, 2012-Present

Postdoctoral Researcher and Graduate Research Assistant, Dept. of Earth & Space Sciences, University of Washington, 2005-2012

- Created complex computer models of large planetary systems (>10k km) and validated models against multi-year terabyte data sets from NASA spacecraft
- Led funding agency representatives through project updates and demos, receiving favorable evaluations
- Wrote successful NASA/NSF grants, technical reports, and executive summaries
- Translated findings for national and international conference audiences at all levels of technical sophistication
- Mentored and trained a team of 11 junior researchers

SKILLS

- **Programming and analysis:** Python, FORTRAN, MATLAB, Mathematica, LabVIEW, SPSS, Data Explorer, D3.js
- **Certifications:** Ham Radio License KF7AQQ, Radiation Safety Officer, Senior Reactor Operator
- **Writing and editing technical documents:** developing technical proposals, reports and articles, focusing on clarity and readability
- **Project management:** experience defining problems, mapping solutions, and leading implementation. Project Management coursework through Harvard
- **Financial planning and compliance:** experience with grants management, project budgeting, grant burn rates, pre- and post-award interactions with UW Office of Sponsored Programs, grant-writing coursework through Evans School
- **High degree of computer literacy:** comfortable with Windows, OSX, GNU/Linux, Word, Excel, PowerPoint, Access, MS Project, LaTeX, graphics production software (Illustrator, InDesign), and database design/management

AWARDS AND GRANTS

- 2012, Science Communication Fellow, Pacific Science Center
 - Trained to be public face of research
 - Scientist Spotlight Program
 - UW-collaborative PAWS on Science Program
 - UW-collaborative Polar Science Weekend
- 2010, David A. Johnston Award, UW ESS Dept., best geophysics grad student
- 2010, 2008, Young Scientist on ISSI international collaborative teams
- 2007, 2008, 2009, 2010, Marie A. Ferrel Fellowship, UW ESS Dept.
- 2006, Outstanding Student Paper Award, American Geophysical Union
- 2005, Top Scholar Fellowship, UW ESS Dept.

PUBLICATIONS

Williams & **Kidder**, *Encyclopedia of Mental Health*, 2016.

Arridge, Eastwood, Jackman, Poh, Slavin, Thomsen, Andre, Jia, **Kidder**, Lammy, Radioti, Sergis, Volwerk, Walsh, Zarka, Coates, Dougherty, *Nature Physics*, 2015.

Jackman, Arridge, Andre, Bagenal, Birn, Freeman, Jia, **Kidder**, et al., *Space Sci. Rev.*, 2014.

Winglee, **Kidder**, Harnett, et al., (2013), *J. Geophys. Res.*, doi:10.1022/jgra.50397.

Kidder, et al. (2012), *J. Geophys. Res.*, doi:10.1029/2012JA017625.

Snowden, Winglee, & **Kidder**, *J. Geophys. Res.*, doi:10.1029/2011JA016435.

Snowden, Winglee, & **Kidder**, *J. Geophys. Res.*, doi:10.1029/2011JA016436. **Kidder**,

Winglee, & Harnett (2009), *J. Geophys. Res.*, doi:10.1029/2008JA013100. Winglee,

Harnett, & **Kidder** (2009), *J. Geophys. Res.*, doi: 10.1029/2008JA013750. Winglee,

Snowden, & **Kidder** (2009), *J. Geophys. Res.*, doi:10.1029/2008JA013343. **Kidder**,

Winglee, & Harnett (2008), *J. Geophys. Res.*, doi:10.1029/2008JA013038.