

## Chaim I. Garfinkel

---

Department of Earth and Planetary Science  
323 Olin Hall  
3400 N Charles St.  
Johns Hopkins University  
Baltimore, MD 21218

Phone: (410) 516-7133  
Fax: (410) 516-7933  
cig4@jhu.edu  
<http://www.eps.jhu.edu/~cig4/>

### Education

Ph.D. Atmospheric Sciences, University of Washington, 2010, Top Scholar Award  
Title: *Stratosphere-Troposphere Coupled Variability in the Wintertime Northern Hemisphere*  
Advisor: Dennis Hartmann

M.S. Atmospheric Sciences, University of Washington, 2008  
Title: *External Sources of Interannual Variability of the Polar Vortex*

B.S. Applied and Engineering Physics, Cornell University, 2005, Dean's List, *Cum Laude* with Departmental Honors

### Research Interests

Stratosphere-troposphere interactions  
Climate variability on intraseasonal to interannual time scales  
The general circulation of the atmosphere

### Research Experience

<b>2010 – present</b>	Department of Earth and Planetary Sciences Johns Hopkins University	Postdoctoral Researcher Darryn Waugh
<b>2005 – 2010</b>	Department of Atmospheric Sciences University of Washington	Research Assistant Dennis Hartmann
<b>2004 – 2005</b>	Department of Electrical and Computer Engineering Cornell University	Undergraduate Researcher Charles Seyler
<b>2004</b>	Department of Physics of Complex Systems Weizmann Institute of Science	Undergraduate Researcher Gregory Falkovitch
<b>2003</b>	Theoretical Plasma Physics Los Alamos National Lab	Undergraduate Researcher Giovanni Lapenta

### Teaching Experience

<b>Spring 2011</b>	Natural Disasters	Guest Lecturer, Johns Hopkins University
<b>Autumn 2008</b>	Global Warming: Understanding the Debate	Teaching Assistant, University of Washington
<b>Spring 2007</b>	Introduction to Atmospheric Sciences	Teaching Assistant, University of Washington
<b>Autumn 2004</b>	Computer Instrumentation	Teaching Assistant, Cornell University

Refereed Publications

- Garfinkel, C.I. and D.L. Hartmann (in review), The Influence of the Quasi-Biennial Oscillation on the Troposphere in Wintertime in a Hierarchy of Models, Part 2-Perpetual Winter WACCM runs, *Journal of Atmospheric Sciences*
- 2011** Garfinkel, C.I. and D.L. Hartmann (accepted), The Influence of the Quasi-Biennial Oscillation on the Troposphere in Wintertime in a Hierarchy of Models, Part 1-Simplified Dry GCMs, *Journal of Atmospheric Sciences*
- 2010** Garfinkel, C.I. and D.L. Hartmann, The Influence of the Quasi-Biennial Oscillation on the North Pacific and El-Nino teleconnections, *J. Geophys. Res. Atmos.*, 115, D20116, doi:10.1029/2010JD014181.
- 2010** Garfinkel, C.I., D. L. Hartmann, and F. Sassi, Tropospheric Precursors of Anomalous Northern Hemisphere Stratospheric Polar Vortices, *Journal of Climate*, 23, doi: 10.1175/2010JCLI3010.1
- 2008** Garfinkel, C.I., and D.L. Hartmann, The Different ENSO Teleconnections and Their Effects on the Stratospheric Polar Vortex, *J. Geophys. Res. Atmos.*, 113, D18114, doi:10.1029/2008JD009920
- 2007** Garfinkel, C.I., and D.L. Hartmann, Effects of the El-Nino Southern Oscillation and the Quasi-Biennial Oscillation on polar temperatures in the stratosphere, *J. Geophys. Res. Atmos.*, 112, D19112, doi:10.1029/2007JD008481

Oral Presentations

- February 2011** Princeton University/GFDL
- January 2011** 16th Conference on the Middle Atmosphere
- December 2010** Goddard Space and Flight Center
- November 2010** Columbia University
- October 2010** University of Washington Dynamics Seminar
- February 2010** Johns Hopkins University
- January 2010** NCAR
- November 2009** University of Washington Dynamics Seminar
- June 2009** University of Oxford
- June 2009** University of Reading
- June 2009** 15th Conference on the Middle Atmosphere
- February 2009** University of Washington Dynamics Seminar
- January 2009** Ben Gurion University
- January 2009** Hebrew University Atmospheric Sciences Seminar
- January 2009** Tel Aviv University Geophysics Seminar
- January 2009** University of Reading Strathour
- June 2008** 13th Annual CCSM Workshop, WACCM working group
- October 2007** University of Washington Dynamics Seminar
- August 2007** 14th Conference on the Middle Atmosphere
- January 2007** University of Washington Dynamics Seminar

## Chaim I. Garfinkel

---

### Posters

<b>July 2008</b>	Workshop on Stochastic and Probabilistic methods for atmosphere, ocean, and climate dynamics
<b>December 2008</b>	AGU Fall meeting
<b>January 2009</b>	Workshop on Reducing the Uncertainty in the Prediction of Global Warming

### Other Experience

Tutored math and/or science for high school and undergraduate students

Volunteered at science museums and science section of a children's museum

Organized an atmospheric dynamics reading group

Reviewer for Journal of Atmospheric Sciences

Reviewer for Journal of Geophysical Research-Atmospheres