

**Dr. Jennifer D. Small Griswold**  
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### Research Interests

Cloud Microphysics, Aerosols and Climate, Satellite Remote Sensing of Clouds and Aerosol

### Education

- University of California, Santa Cruz, Santa Cruz CA  
*Ph.D. Earth & Planetary Sciences*, June 2009  
Thesis: Observational studies of the microphysics and dynamics of warm cumulus
- Rutgers, The State University of New Jersey, New Brunswick, NJ  
*B.S. Meteorology*, May 2002  
*B.S. Environmental Science*, May 2002

### Research Experience

- *Assistant Professor*, Department of Meteorology, University of Hawaii at Manoa, 2012-present
- *Postdoctoral Researcher*, NASA Jet Propulsion Laboratory, 2009-2012
- *Graduate Student Researcher*, UC Santa Cruz, 2002-2009

### Refereed First Author Publications

- 2016 ▪ Norgren, M.S., **J.D. Small**, H.H. Jonsson and P.Y. Chuang, 2016: Observational estimates of detrainment and entrainment in non-precipitation shallow cumulus, *Atmos. Chem. Phys.*, **16**, 21-33, doi:10.5194/acp-16-21-2016
- 2013 ▪ **Small, J.D.**, P.Y. Chuang, and H. Jonsson, 2013: Microphysical imprint of entrainment in warm cumulus, *Tellus B*, **65**, 19922, <http://dx.doi.org/10.3402/tellusb.v65i0.19922>.
- 2011 ▪ **Small, J.D.**, J. H. Jiang, H. Su, and Chengxing Zhai, 2011: Relationship between aerosol and cloud fraction over Australia, *Geophys. Res. Lett.*, **38**, L23802, doi:10.1029/2011GL049404.
- 2009 ▪ **Small, J.D.**, P.Y. Chuang, G. Feingold, H. Jiang, 2009: Can aerosol decrease cloud lifetime? *Geophys. Res. Lett.*, **36**, L16806, doi:10.1029/2009GL038888.
- 2008 ▪ **Small, J.D.** and P.Y. Chuang, 2008: New observations of precipitation initiation in warm cumulus clouds, *J. Atmos. Sci.*, **65**, 2972-2982, doi:10.1175/2008JAS2600.1

### Grants, Fellowships and Awards

- *NSF CAREER*: A Comprehensive Investigation into Cloud-Aerosol Interactions Using Satellite, Aircraft and Model Data, Award Effective July 1, 2013 - June 30, 2018, ~\$569,600
- *U. Hawai'i SEED Diversity and Equity Initiative Grant*: Women as Scientists Colloquium, \$500
- Outstanding Postdoctoral Research Award, 2011

### Teaching Experience

- *Assistant Professor*, University of Hawaii at Manoa, 2012-Present
  - Undergraduate Non-Major Course and Lab: Introduction to Meteorology (MET 101/ATMO 101)
  - Undergraduate Hawaii Theme Course: Pacific Climates and Cultures (MET 102/ATMO 102)
  - Graduate Level Course and Lab: Satellite Data Applications (MET 611/ATMO 611)