

## Naomi Goldenson

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Ph.D., Atmospheric Sciences, University of Washington, Seattle, WA Expected Fall, 2017  
Dissertation: Uncertainty Quantification and the Influence of Large-scale Dynamics  
on Climate Variability of Western North America  
Advisors: Cecilia Bitz (UW) and Ruby Leung (Pacific Northwest National Lab)

M.S., Atmospheric Sciences, University of Washington, Seattle, WA 2012

M.S., Geological Sciences, Arizona State University, Tempe, AZ 2007

B.A., Physics with Honors, Certificate in International Relations, Wesleyan University, Middletown, CT 2005

### Refereed Articles

Rhines, A. and N. Goldenson. (2016) *Objective selection of ensemble boundary conditions for climate downscaling*, in Banerjee, A., W. Ding, J. Dy, V. Lyubchich, and A. Rhines, eds.: *Proceedings of the 6th International Workshop on Climate Informatics*. NCAR Technical Note NCAR/TN-529+PROC, 159 pp.

Goldenson, N., Doherty, S.J., Bitz, C.M., Holland, M.M., Light, B., Conley, A.J. (2012) *Arctic Climate Response to Forcing from Light-Absorbing Particles in Snow and Sea Ice in CESM*, *Atmospheric Chemistry and Physics*, 12, 7903-7920.

### Manuscripts in Preparation

Goldenson, N., Mauger, G., Bitz, C.M., and Leung, L.R. (2017) *Ensemble Design for Estimating Internal Variance at Regional Scale*.

Goldenson, N., Rhines A., Bitz, C.M., and Stuecker, M. (2017) *Cross-seasonal Correlation in Modes of Variability in the Community Earth System Model Large Ensemble*.

Goldenson, N., Leung, L.R., Bitz, C.M., and Blanchard, E. (2017) *Climatological Influence of Atmospheric River Events on Mountain Snow of Western North America*.

### PROFESSIONAL EXPERIENCE

**Graduate Researcher** - Atmospheric Sciences, University of Washington. Climate Variability and Uncertainty Quantification. Western Regional Climate. 2015-present

**Climate Scientist and Developer** – Giant Army. Incorporated climate concepts into the educational simulator *Universe Sandbox*. Consulting on realistic graphics and scripting climate simulation. 2013-2014

**Graduate Researcher** - Atmospheric Sciences, University of Washington. Arctic Climate Modeling. 2009-2012

**Community College Instructor** - Physical Science, Mesa Community College, Mesa, Arizona. 2008-2009

**Fulbright Fellow** - Instituto de Astrofísica de Andalucía, Granada, Spain. 2007-2008

**Graduate Researcher** - School of Earth and Space Exploration, Arizona State University 2005-2007

### ADDITIONAL EXPERIENCE

Science Communication Fellow, volunteer at Pacific Science Center Winter 2017 --

Martin Luther King County Labor Council Climate Caucus 2016 --

College of the Environment Diversity Committee at University of Washington Fall 2015 --