

## Cindy L. Young

### Graduate Education

Doctor of Philosophy

Georgia Institute of Technology, January 2014

PhD Thesis: “A satellite and ash transport model aided approach to assess the radiative impacts of volcanic aerosol in the Arctic”

Master of Science in Earth and Atmospheric Sciences

Georgia Institute of Technology, August 2009

Master’s Thesis: “Marine Dissolved Organic Phosphorus Composition: Insights from Samples Recovered Using Combined Electrodialysis/Reverse Osmosis”

### Publications:

Young, C.L., Sokolik, I.N., Flanner, M., and Dufek, J. Surface radiative impacts of ash deposits from the 2009 eruption of Mt. Redoubt (in review: *Journal of Geophysical Research-Atmospheres*).

Young, C.L., J. Dufek, and I.N. Sokolik (2014), Assessment of depositional ash loading from the 2009 eruption of Mt. Redoubt, *Journal of Volcanology and Geothermal Research*, 274, 122-138, doi: 10.1016/j.jvolgeores.2014.02.003.

Young, C.L., Sokolik, I.N., and Dufek, J. Regional radiative impact of volcanic aerosol from the 2009 eruption of Mt. Redoubt (2012), *Atmospheric Chemistry and Physics*, doi:10.5194/acp-12-3699-2012.

Young, C.L., and Ingall, E.D. Marine Dissolved Organic Phosphorus Composition: Insights from Samples Recovered Using Combined Electrodialysis/Reverse Osmosis. *Aquatic Geochemistry*, (2010), doi: 10.1007/s10498-009-9087-y.

### Conference Proceedings:

Young, C.L., Wray, J.J., Clark, R.N., Hand, K.P., and Spencer, J.R. Icy satellite surface compositions from thermal infrared spectroscopy, Workshop on habitability of icy worlds, Pasadena, CA, 5 – 7 Feb., 2014.

Young, C.L., Wray, J.J., Spencer, J.R., Clark, R.N., and Hand, K.P. Cassini CIRS characterization of icy moon surface composition, 45th Division for Planetary Sciences Annual Meeting, Denver, CO, 6 – 11 Oct., 2013.

Young, C.L., Sokolik, I.N., and Dufek, J. A satellite and ash transport model aided approach to assess the radiative impacts of volcanic aerosol in the Arctic. Chapman Conference on Volcanism and the Atmosphere, American Geophysical Union, Selfoss, Iceland, 11 June – 15 June, 2012.

Young, C.L., Sokolik, I.N., and Dufek, J. Regional radiative impact of volcanic aerosol from the 2009 eruption of Redoubt Volcano. 7<sup>th</sup> Annual Graduate Student Symposium, April 15, 2011.

Young, C.L., Sokolik, I.N., and Dufek, J. Assessing the direct aerosol radiative forcing in the Arctic region produced by the recent eruption of Redoubt Volcano. 13<sup>th</sup> Conference on Atmospheric Radiation, American Meteorological Society, Portland, OR, 28 Jun.-2 Jul., 2010.

Young, C.L., Sokolik, I.N., and Dufek, J. A satellite multi-sensor view of the Mount Redoubt eruption to aid in assessments of volcanic aerosol radiative forcing. 2nd Symposium on Aerosol-cloud climate interactions, 90th American Meteorological Society Annual Meeting, Atlanta, GA, 17-21 Jan., 2010.

Young, C.L., Sokolik, I.N., and Dufek, J. A satellite multi-sensor approach to investigate radiative forcing of aerosol from the eruption of Redoubt Volcano. *EOS Trans. AGU*, 90(52), Fall Meet. Suppl. 2009.