

Lucas Gloege

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Education

- 2017-present **Ph.D Earth and Environmental Sciences**, *Columbia University*.
Advisor: Dr. Galen McKinley
- 2014-2017 **M.Sci Atmospheric and Oceanic Sciences**, *University of Wisconsin - Madison*.
Thesis: Global Evaluation of Particulate Organic Carbon Parameterizations and Implications for Atmospheric pCO₂
Advisor: Dr. Galen McKinley
- 2012-2014 **M.Sci. Water Resources**, *University of Minnesota Duluth*.
Thesis: Modeling Near-Inertial Waves in Lake Superior
Advisor: Dr. Jay Austin
- 2007-2012 **B.Sci. Physics, B.Sci Mathematics**, *University of Minnesota Duluth*.

Conferences

- August 2017 Poster presentation at 10th International Conference on Carbon Dioxide
- May 2017 Oral presentation at 60th annual International Association of Great Lakes Research conference
- June 2016 Poster presentation at Gordon Research Conference on biogeochemistry
- Feb. 2016 Poster presentation at 2016 Ocean Sciences Meeting
- June 2013 Oral presentation at the 56th annual International Association of Great Lakes Research conference

Scholarships and Acknowledgements

- May 2017 Reid Bryson Scholarship (\$750)
- June 2016 Acknowledged for outstanding student poster presentation at Gordon Research Conference on Biogeochemistry

Teaching Experience

- Spring 2016 **Teaching Assistant**, *University of Wisconsin - AOS Department*.
- 2009-2014 **Teaching Assistant**, *University of Minnesota Duluth - Physics Department*.

Publications

- [3] **Gloege, L.**, McKinley, G. A., Mouw, C. B., and Barnett, A. (2017) Global evaluation of particulate organic flux parameterizations and implications for atmospheric pCO₂. *Global Biogeochem. Cycles*, 31, doi:10.1002/2016GB005535.
- [2] Mouw, C. B., Barnett, A., McKinley, G. A., **Gloege, L.**, and Pilcher, D. (2016). Phytoplankton size impact on export flux in the global ocean. *Global Biogeochem. Cycles*, 30(10), 1542-1562. doi:10.1002/2015GB005355.
- [1] Mouw, C. B., Barnett, A., McKinley, G. A., **Gloege, L.**, and Pilcher, D. (2016). Global ocean particulate organic carbon flux merged with satellite parameters. *Earth Syst. Sci. Data*, 8(2), 531-541. doi:10.5194/essd-8-531-2016.