

README for gas_toolbox

Please check our GitHub page: <https://github.com/whoi-glider> for the most recent version of these functions.

These MATLAB functions are provided as supporting information to the publication Manning, C.C., R.H.R. Stanley, D.P. Nicholson, and M.J. Squibb (2016). Quantifying air-sea gas exchange using noble gases in a coastal upwelling zone. *J. Phys. Conf. Ser.*

These functions calculate the air-sea flux of several gases using several different gas exchange parameterizations, including three that explicitly include bubble-mediated exchange.

Use of these functions requires installation of the Gibbs-SeaWater (GSW) Oceanographic Toolbox, Version 3.04 or newer (released 20th December 2013), which is available at <http://www.teos-10.org/software>.

If you use these functions in a publication, please cite or acknowledge our paper or our GitHub website, and also cite the references listed in the headers of the individual functions.

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