

## README for gas\_flux\_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, 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.

-----

Copyright 2015 Cara Manning and David Nicholson

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

-----