

## ***Interactive comment on “Glider Technology for Ocean Observations: A Review” by David Meyer***

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This review is useful for scientists and students starting to work with gliders, whom wish to learn about the origins, as well as the current state of the art. Particularly, Table 1 and the corresponding text are a great catalogue of papers for someone working with glider data in an interdisciplinary way.

However, there are some things I think need to be considered before publication:

1. Although the majority of the paper is well written, there are instances where it would be advantageous to have an English native person read over. For example, on page 1, line 11 – “facilitating a fast access to the world of glider” and on page 2, line 19 – “another technical progress started”. Although it is clear what you meant, these words sound a bit strange. Also an ‘s’ should be added to ‘glider’ when it is plural.
2. Section 1, abbreviations like ‘SOFAR’ and ‘RAFOS’ should be explained.

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3. abstract, the use of ‘drones’ in the paper should be avoided by the author as this is associated with warfare and sounds negative.
4. Section 2.2, for Seagliders specifically, the author could mention the different fairing types (standard vs ogive) - Yahnker, Chris. "Overview of the development and advantages of new, larger fairings for the iRobot Seaglider." OCEANS'11 MTS/IEEE KONA. IEEE, 2011. Also concerning section 2.4, ARGOS tags are currently being connected to the tail antenna of Seagliders by a range of working groups as a backup precaution.
5. Section 2.8, lines 20+, the author could perhaps mention time lag ( $\tau$ ) being a problem in some cases (e.g. with oxygen optical sensors). Bittig, Henry C., et al. "Time response of oxygen optodes on profiling platforms and its dependence on flow speed and temperature." *Limnology and Oceanography: Methods* 12.8 (2014): 617-636.
6. Finally, although the author has mentioned some of problems that could be experienced in the field, perhaps they could be expanded in some instances. A good paper to cite when doing this would be: Queste, Bastien Y., et al. "Deployments in extreme conditions: Pushing the boundaries of Seaglider capabilities." 2012 IEEE/OES Autonomous Underwater Vehicles (AUV). IEEE, 2012.

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