Endorsed

OceanGliders Oxygen Standard Operating Procedure

https://oceangliderscommunity.github.io/Oxygen_SOP/README.html

Author(s: López-García,, P., Hull, T., Thomsen, S., Hahn, J., Queste, B.Y, et al

Essential Ocean, Climate, Biodiversity Variable(s): Oxygen

Network(s): OceanGliders

Sensors: NA

Endorsed by (GOOS PANEL, eg OCG, BIOECO): OCG

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Brief description of community review process: Two oxygen glider expert sessions during the OceanGliders Best Practice Workshop in May 2021 were carried out to support the development and convergence of the oxygen SOP. From October 1 2021 to January 31 2022 an open community review was carried out on GitHub. The SOP was disseminated through the OceanGliders mailing list and EuroSea.eu news channels. The detailed community review process is described and documented here: https://oceangliderscommunity.github.io/Oxygen_SOP/sections/authors_SOP_development_process.html
All comments and actions carried out by the authors are tracked as GitHub issues and pull-requests here: https://github.com/OceanGlidersCommunity/Oxygen_SOP/issues
Note that it will be possible for the glider community to feedback on the document at any .time. These new comments will be implemented in future releases on the OBPS
:Links to previous versions or full manuals if this is a summary paper
.At the moment this is v1.0.0 but the whole version control is tracked on GitHub

This manual has been endorsed by the GOOS Observation Coordination Group - as a globally .accepted best practice for observing oxygen with gliders

The GOOS best practice endorsement process has been developed by the GOOS and the Observation .Coordination Group (OCG) in conjunction with the Ocean Best Practices System (OBPS)

The aim is for global networks (eg the International Argo programme through GOOS OCG) or groups of experts (eg. the GOOS Biogeochemical Panel) to endorse and share methods which have .reproduced superior results for confidence in and uptake by the broader ocean community

The endorsed methods can range from standard operating procedures to field manuals and have

been adopted by community review as 'globally' accepted methods. Following best practices improves the reproducibility of science research, and interoperability across disciplines and datasets by standardizing methods and data collection. It allows for research to be more efficient, leads to .quality datasets, and supports future proofing data

Endorsed GOOS best practices have been through a strong identifying process. They have been adopted and used by established ocean observers and therefore represent a strong basis for the .ocean science community. The document will be updated and re-endorsed as appropriate