

Earth Syst. Sci. Data Discuss., editor comment EC1
<https://doi.org/10.5194/essd-2022-111-EC1>, 2022
© Author(s) 2022. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on essd-2022-111

Giuseppe M.R. Manzella (Editor)

Editor comment on "Sea surface height anomaly and geostrophic current velocity from altimetry measurements over the Arctic Ocean (2011-2020)" by Francesca Doglioni et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2022-111-EC1>, 2022

The paper can only be accepted after a major revision of the entire content. In particular I would like to emphasize the fact that satellite data must be validated by in situ data. As noted by one referee, there is only one point of verification: too little to ensure the validity of the results over the entire area under study. The methodology must be better explained and the advantages emphasized more precisely. Last thing: the spatial resolution. Considering the criticisms of the referees. Authors are allowed to review their manuscript which will undergo further re-evaluation