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.