

Dear Topic Editor and Reviewers,

We sincerely thank you for acknowledging our work and for deciding our manuscript to enter [Publish subject to minor revisions (review by editor)] in Earth System Science Data (ESSD). We greatly appreciate your support, and the constructive guidance provided.

In response to the minor revisions, we have carefully revised the manuscript as requested. Please find below a summary of the updates made:

- a) As requested by the reviewer, we have now added a description of the SAR data pre-processing methodology, including a footnote to the source website, in the manuscript.
- b) Following the instructions, we have reviewed the accessibility of those mentioned figures for readers with color vision deficiencies. After checking using the Coblis – Color Blindness Simulator we have revised Figure 11 to ensure its clarity for all readers.
- c) We have also added the necessary image sources and/or copyright information to the captions of the relevant figures.

We hope the revised version is now suitable for the next steps in the publication process. Should there be anything further required, please do not hesitate to let us know.

Kind regards,

Naoto Yokoya

on behalf of all co-authors