

Dear Editor,

We would like to thank you and the reviewer for the evaluation of our revised manuscript. We appreciate the constructive comments improving readability and language.

We have incorporated all suggestions made within the pdf of the reviewer as suggested. We did not list them as point-by-point reply, as they addressed wording and rephrasing to improve the English.

We have further clarified where IGSNs are being registered.

*If no IGSN (International Generic Sample Number) was assigned to a site or sample before registration within TephAta, a new IGSN will be minted and connected with the internal metadata upon data submission in TephAta. The new IGSNs will be registered at the GFZ Potsdam Data Services and will then be associated with the TephAta URL, providing a link to the full metadata released within the database.*

We have also addressed the suggestion on Table 3. In consultation with you, we have kept both tables, adjusted IGSN length and added two new columns in Table 2. Now IGSNs and the availability of geochemical analyses performed are also given in Table 2. Table 2 can be also provided as excel-file if needed during typesetting.

We have removed the geochemical datasets from the supplementary materials, as they are archived with EarthChem. The embargo on these data will be lifted once the revisions are deemed satisfactory and the manuscript is recommended for publication.

We hope that the revisions satisfactorily address all comments and improve the clarity and quality of the manuscript. We thank you again for your consideration.

Kind regards,

Niklas Leicher