

August 28, 2025

Reference: egusphere-2025-1157

Dear Editor and Reviewers,

We are grateful to all of you for dedicating your time to thoroughly read our manuscript and offer valuable, constructive comments. We truly appreciate your careful evaluation, and your feedback has helped us improve our manuscript, which has now undergone substantial revisions.

We have provided a detailed response to the reviewer comments as public replies on EGU sphere. They can be found here:

Response to reviewer 1:

<https://doi.org/10.5194/egusphere-2025-1157-AC1>

Response to reviewer 2:

<https://doi.org/10.5194/egusphere-2025-1157-AC2>

A track-change document outlining all the revisions we have made to the manuscript is included in this submission.

Thank you again for considering our manuscript.

Best regards,

Lars Blatny

On behalf of authors.