

EGUSPHERE-2025-157- Response Letter

Dear Editor and reviewers,

We would like to thank the reviewers and editor for their comments that have allowed us to further clarify some aspects of the manuscript in this revised version. Hereafter, we report reviewers' comments and our replies (*in italics*). For yours and reviewers' convenience we have put the corresponding major changes introduced in red color in the revised version of the manuscript.

Reviewer 2:

The authors have provided a very good response to my comments. I suggest to accept the manuscript in its current form. But a small issue needs to be noted:

Line 20: "the dissipation rate term is t is the" seems to be a typo.

Response: *Thanks for the reviewer's professional comments. As the reviewer suggests, we have modified the texts in revised version. (See line 20)*

We thank the reviewers again for their helpful suggestions, which have helped us to improve this manuscript quite much.

We also thank the Editor again for his helpful suggestions.

On behalf of all authors,
Sincerely,
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