

Author responses to Final editorial comments on second version of EGUSPHERE-2025-2529

Additional private note (visible to authors and reviewers only):

Editor comments are note in black and the lines in in the text where the comments were implemented are note in red

* I would like that some of the content in the reply to referee 2 regarding dropping the $b^2 y^2$ term to feature in the article itself. The reply is ok, but none of that shows up currently in the article.

L307-308; L185-189

* Above Eq (19): define what ξ and A_i are for completeness and avoid making the reader jump all the way to the Appendix for the definition. Could motivate a bit why it is the Airy function that shows up in the trapped wave scenario.

L216-L217

* Section 4 paragraph 3: Be clear that it is “The MODIFIED MITgcm” that is meant, because as mentioned by referee 2 MITgcm is not a shallow water model. (And to be honest I thing using MITgcm is completely overkill for the present purpose; it’s linear RSW so could just write bespoke code for it, or use something like Daedalus for example...)

L264

* Fig 1 and elsewhere in the article: please be clear that in those cases t is units of rotational time f_0^{-1} (I assume). Δt in Table 1 currently is units of seconds so there was some ambiguity there.

L291-2

* Not a requirement as such, but do acknowledgement referee(s) and/or editor if the authors think their contribution was actually helpful.

Done