

Dear Julia,

Thank you very much for your prompt response. We sincerely appreciate your feedback on our twin experiments. In response to your comment, we have included additional content in the paper (Sections 4.1 and Section 4.6) to address and acknowledge the potential impacts of the lack of convergence on the subsequent real data experiment.

Furthermore, we are grateful for bringing to our attention the error in the discussion of the IDT observational uncertainty in the paper. The miswritten text was a result of collaborative input from various co-authors based on different experimental contexts. We have rectified this mistake in the revised version of the paper.

While you rightly suggested that fixing a couple of parameters might have rendered the experiment more manageable, it is important to note that, given the experimental nature aimed at testing the efficiency of the GRaB-AM algorithm, we opted to present the paper in its current form. We plan to explore different parameter combinations and further enhance the algorithm in our future studies.

Once again, thank you for your valuable insights and suggestions.

Best regards,
Jalisha