

**Dear Editor and Reviewers,**

**Thank you very much for your continued time and effort in evaluating our manuscript. We sincerely appreciate the comments provided during the third round of review. We have carefully revised the manuscript. The following is a detailed account of the specific revisions:**

**For Reviewer #1**

Thank you for the efforts you made to improve your manuscript, especially the figures. I would just remove the unused acronyms in the abstract (UVP5-HD and ESD) before acceptance.

Response: Thank you very much for your positive evaluation and helpful suggestion. We have removed the unused acronyms “UVP5-HD” and “ESD” from the Abstract to improve clarity and readability.

**For Reviewer #2**

I am pleased to recommend this manuscript for publication. Before final acceptance, I suggest ensuring that the colors used to represent the four stations in Fig. 6a and Fig. 8a are consistent, which will improve clarity for readers.

Response: We sincerely appreciate your final comment. In response, we have ensured that the colors representing the four stations Fig. 6a and Fig. 8a are now fully consistent, thereby enhancing visual clarity and coherence across figures.

Once again, we sincerely thank you for your constructive feedback. We hope that our revisions have adequately addressed your concerns and meet your expectations.

Best regards,  
Shujin Guo