

Reviewers' Comments and Authors Response

Comments from Editor: One of the original reviewers has some minor comments. Please address those after which manuscript is ready to be published. Thanks.

Authors' response: We would like to express our sincere gratitude for your contribution to the review process and for your guidance throughout the revision of our manuscript. We also appreciate the constructive and insightful comments given by the reviewers, which have helped us further improve the quality of the work. We have carefully addressed the remaining minor comments and provided a point-by-point reply to the reviewer's suggestions. We are grateful for the opportunity to revise our manuscript and hope that the revised version meets the standards for publication in Hydrology and Earth System Sciences.

Reviewer:

1. Line 28 - typo: "filed".

Authors' response: Thank you for this comment. The word “filed” has been revised to “field”.

2. Line 250 - "3-sigma rule" should be defined.

Authors' response: Thank you for this valuable suggestion. We have added a definition of the 3-sigma rule in the revised manuscript. The sentence has been revised as follows: “The 3-sigma rule is used to identify outliers in the underwater area-level pairs, defining an area-level pair as an outlier if its least squares residual exceeds three times the standard deviation.”

Once again, we sincerely thank the reviewer for the constructive comments and suggestions, which significantly helped us improve the quality of our manuscript. We greatly appreciate the invaluable time dedicated to reviewing our work.