

Reply to Editor,

The authors curiously ignored my suggestion regarding significant digits throughout much of the text and tables, which does not arise from opinion, rather years of experience in measuring these and similar variables. Not only is it more accurate to list a representative amount of significant digits given measurement uncertainty, it is also easier for the reader to comprehend. The digital quality of some figures (e.g. Figure 2) is also lacking, at least in the built pdf, and Figure 4b could be improved for clarity. Please make these technical corrections and any additional steps that will enhance the readability of the manuscript, after which I will recommend it be accepted in Biogeosciences.

**Reply:** Statistic analysis was added in text and Figs. 2 and 4b. Fig. 4b was clarified. Please kindly check the uploaded MS.

Please let us know if there are any problems without any hesitations.