

Point-by-point reply to editor comments

Dear Editor,

Thank you for the feedback on our latest manuscript. We have implemented the following changes to the manuscript:

1. Reflect your response to Reviewer 1 comments #6 and #10 in the manuscript.

- Comment #6: regarding ACOLITE, we have a line in the manuscript (line 156) that explains how ACOLITE is specifically designed for turbid inland waterbodies. This was also in our reply to the reviewer's comment.

- Comment #10: our reply to this comment is in manuscript lines 211-212 and 256 but we have added the line to the manuscript "... with the goal to determine the regression line whose sum of squared residual errors is minimum. We did this because we do not want to prescribe a-priori bands for the regression model, but rather let the data dictate what is the best fit." (line 205).

2. Figure 4 caption: Fix 'Bluegreen'

This has been fixed. Thank you for pointing it out.

Thank you very much for your feedback.

Sincerely,

Jessica Droujko, Srividya Hariharan Sudha, Gabriel Singer, and Peter Molnar