We thank the editor and reviewer for their additional comments which helped improve this manuscript. We outline our responses to the comments and the specific changes made to the document below. Broadly, we updated all of the figures to include larger and more consistent font and additional aesthetic improvements. In Results Section 3.3 (lines 380 – 385) and Discussion Section 4.2 (lines 515-517) we added a few lines clarifying the morphometric relationships for the entire distributions of data and the results from the spatially corrected error model. We believe that the suggestions substantively improved the manuscript, and we sincerely thank the editor the reviewer for their time.

1. Move the RF results and the associated figures from the Methodology section to the Results section (Section 3).

The RF results and Figure 2 were moved to the beginning of the Results section (section 3.1, lines 270-280).

2. Figure 2a: Remove the unnecessary grey gridlines.

We have now removed the grey gridlines from panel A) in this figure.

3. Move the workflow chart to the Supplementary Materials as Figure S1, and update its citation in line 126, and adjust all supplementary figure numbers accordingly.

Figure S13 (the workflow diagram) was moved to be Figure S1 and all supplementary figures and in-text citations were updated accordingly.

4. Figures 5a and 5b: Adjust the color-bar ranges to improve the visual contrast.

We have updated the color-bar ranges for this figure to be bounded by the 5^{th} and 95^{th} percentiles for each subplot.

5. Figures 6 and 7: In their current form, the scatter plots obscure the relationships because many data points overlap and cluster together. Please consider overlaying binned statistics on the scatter plots or replacing the current scatter plots with binned versions.

Both figures were updated to include binned statistics and histograms on each scatter plot.

Additional comments from Reviewer 1 are also attached below:

Great revisions! At this point I am happy with the content and believe this paper is finished. Below just a few technical suggestions to improve the paper.

- Figure 10: increase text

We increased the font size for all text in the subpanels for this figure.

- Figure 7: increase axis text and titles

We increased the font size for all text in the subpanels for this figure., including the text and titles

- Figure 4: increase all text

We have updated figure 4 by increasing the font size of all text.