

We thank the editor for the comment. Our response is color-coded in blue.

Dear authors, Thank you for your efforts in addressing the reviewer comments to the best of your abilities. Kindly acknowledge the contribution of the three anonymous reviewers in the 'Acknowledgements' section since their comments and the subsequent revisions made the manuscript better and helped clarify some of the finer points about FootNet for the readers. Once this is addressed, the manuscript can be published in ACP - your work presents a new paradigm for doing flux inversions, which while not without flaws, provides a new tool for the carbon cycle community while working with massive data volumes and deliver low latency flux estimates.

We thank the editor for this suggestion. We have added an acknowledgment of the contribution of the three anonymous reviewers who helped improve this manuscript.

Line 392-394: We thank the three anonymous reviewers for their thoughtful feedback and constructive comments. Their suggestions helped in improving the clarity and quality of this manuscript.