

Interactive comment on “Optimizing models of the North Atlantic spring bloom using physical, chemical and bio-optical observations from a Lagrangian float” by W. Bagniewski et al.

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We are pleased to hear the positive assessment by Galen McKinley and would like to clarify the apparent contradiction.

For parameter optimization, a model for the top 200 m only is used as stated in the manuscript. This is sufficient since data used in the assimilation is located within the top 100 m only. For the assessment of carbon fluxes at 600 m the model was extended vertically. We will make sure to mention this in the revised manuscript.

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