

We would like to thank the reviewer for the positive feedback to the paper revision. Responses to each comment are provided below - see blue text.

Dear authors,

the paper has been revised and considerably improved. Thank you very much for answering my questions and revising the manuscript accordingly. I suggest to accept the manuscript with some minor corrections that I list here:

Line 157/158: Squirrel does this extrapolation, but it should no be used. I would not mention it here.

The text in the bracket was deleted.

Section 2.2.3 I suggest "trajectory analysis" as section heading

The section was renamed according the reviewer's suggestion.

Fig 8 and lines 503-517: Why don't you show the idealized extrapolation of the organic density also for winter? Would it fit? I think we can learn something here, also with respect to Fig A11.

The idealized extrapolation was added to the winter Fig 8. The fit is similar as the one in summer. The scattered values of all species in winter in comparison to summer are probably due to periods of low concentrations depicted in Fig. A3 and reflected in the Fig A11.

line 546: was -> were

The error was corrected.