

Deep chlorophyll maximum and nutricline in the Mediterranean Sea: emerging properties from a multi-platform assimilated biogeochemical model experiment

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Reply to Reviewer's comments

The authors have thoroughly addressed my comments. Here are some minor edits:

line 76 "one year(2015)": space missing

line 284 refers to $|S(t)-R(t)|$ but equation 2 is written as $|ScFcn(t)-REF(t)|$

line 287 "analysed" -> analyzed

line 292 "where at least one assimilation remarkably ameliorated the model mismatch" -> where at least one assimilated observation remarkably reduced the model mismatch

line 424: "either reduced and increased" -> either reduced or increased

We thank the Reviewer for her/his positive feedback. We addressed all the minor edits in the final version of the manuscript.