

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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I enjoyed this paper. Important work to properly apply data to evaluate the needed complexity of biogeochemical models and the impacts on carbon cycling. Looking forward to seeing these variants implemented in a basin-scale model (e.g. McDonald (2010, PhD Michigan Tech; and paper in prep) - for Lake Superior biogeochemistry).

One small point of confusion in this text. The text says the GOM model captures the upper 200m of the ocean, but then fluxes at 600m are evaluated. Perhaps this is actually 2000m?

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