

Biogeosciences Discuss., referee comment RC3  
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## Reply on RC2

Emmanuel Boss (Referee)

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Referee comment on "Physical mechanisms for biological carbon uptake during the onset of the spring phytoplankton bloom in the northwestern Mediterranean Sea (BOUSSOLE site)" by Liliane Merlivat et al., Biogeosciences Discuss.,  
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I would like to add that it would be very helpful, as a diagnosis, to see a time series of  $dDIC/dt$  and NCP, and, in general, time series spanning a year where possible (or at least from Nov. to May). There have been several paper comparing NCP from chemistry and from optics (e.g. from the NABE and EXPORTS experiments) and it may be useful to compare with those. Also, the labels on the left-hand side of Fig. 3 are cut.