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Biogeosciences Discussions

Interactive comment on "Bioavailability of sinking organic matter in the Blanes canyon and the adjacent open slope (NW Mediterranean Sea)" *by* P. Lopez-Fernandez et al.

P. Lopez-Fernandez et al.

pilarlopezfdz@ub.edu

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We would like to thank both reviewers for taking the time to examine our manuscript. We are happy to make the adjustments that both reviewers recommended, including the ordering of some paragraphs, grammatical errors and making edits to terminology and figures. We have done most of the revisions required to the manuscript carefully considering each of the reviewer comments. We have revised the discussion part of the manuscript following the recommendation of both reviewers by adding a new paragraph introducing the discussion parts

Our detailed response to each reviewer is attached as a pdf file.

Looking forward to hearing from you, we remain, Sincerely yours

Pilar Lopez-Fernandez on behalf of all co-authors

Please also note the supplement to this comment:
http://www.biogeosciences-discuss.net/9/C9293/2013/bgd-9-C9293-2013-supplement.pdf

Interactive comment on Biogeosciences Discuss., 9, 18295, 2012.

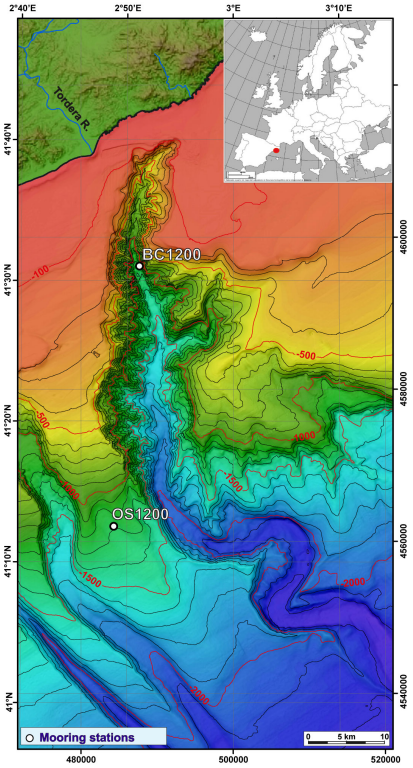

Fig. 1. Figure 1. Bathymetric map of Blanes canyon showing the location of mooring station in Blanes canyon axis (BC1200) and in the adjacent southern open slope (OS1200). The location of Tordera River and t

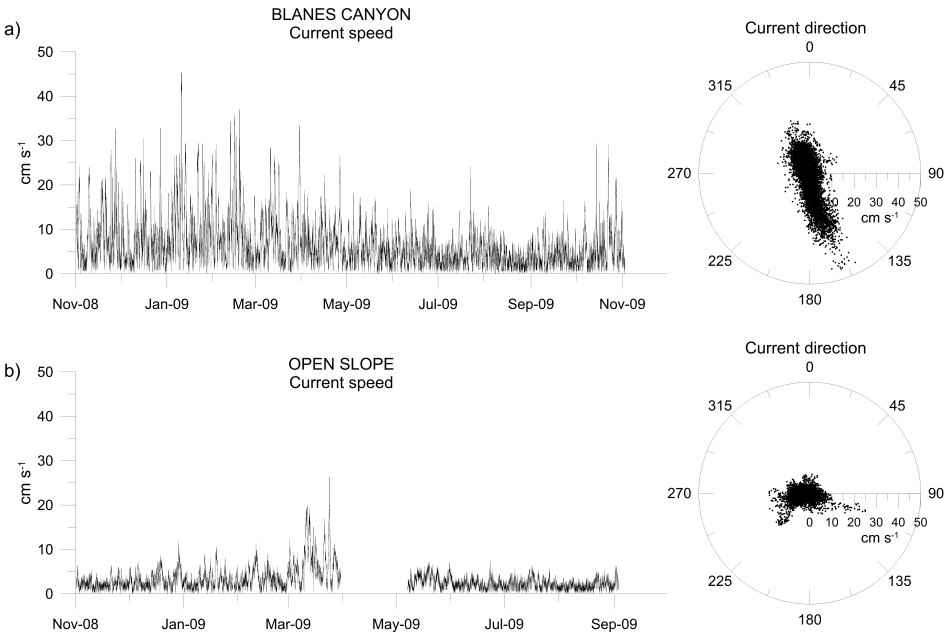

Fig. 2. Figure 2. Current speed and direction plots at 23 mab in Blanes canyon(a) station and open slope(b). Radial axes in current direction polar plots are equivalent to the y-axis of current speed plots

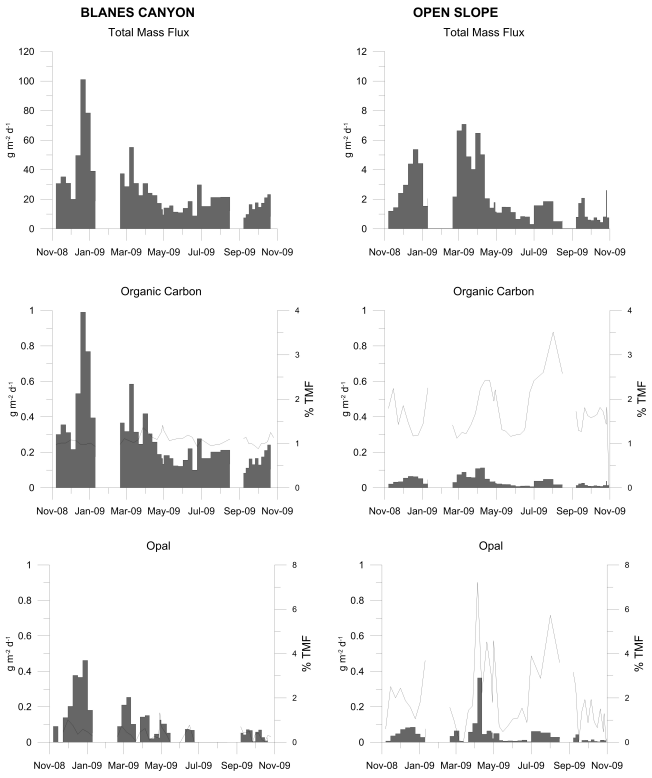

Fig. 3. Figure 3. Time-series of total mass, organic carbon and opal fluxes (mg m-2 d-1) and relative organic carbon and opal contribution (black line represents the % of the compound to TMF) from the sedimen

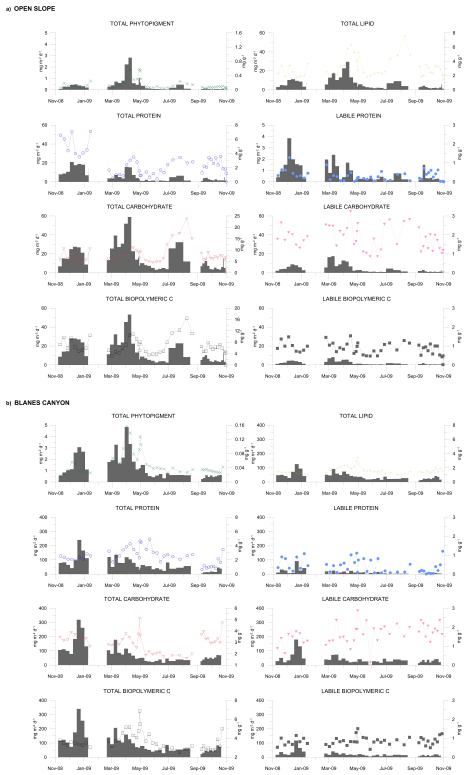

Fig. 4. Figure 4. Time-series of organic compounds fluxes (mg m-2 d-1) and organic compounds contents in the open slope(a) and in the Blanes canyon(b) (line represents the mg g-1) from the sediment traps at

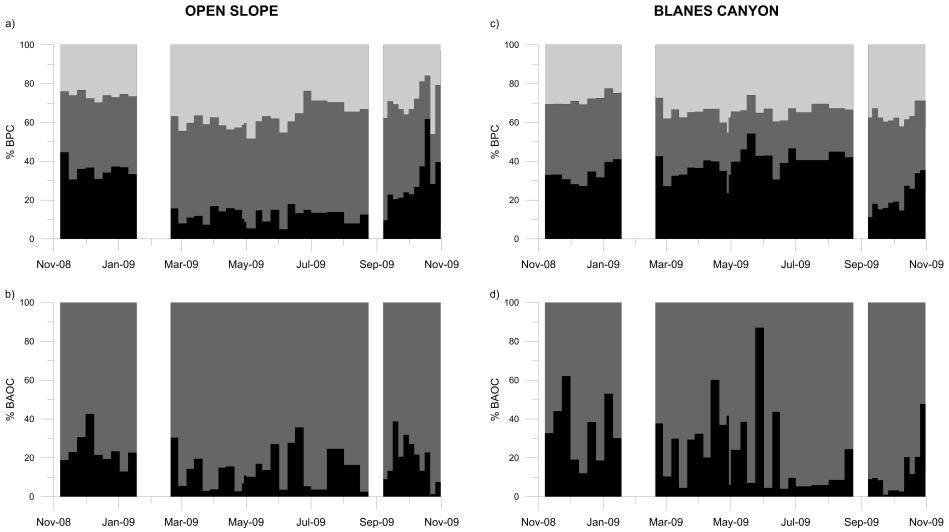

Fig. 5. Figure 5. Temporal changes in the biochemical composition of settling particles at 23 mab. Data are presented as percentage contributions of proteins, carbohydrates and lipids to biopolymeric C (% BPC