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Biogeosciences Discussions

Interactive comment on "The role of alkalinity generation in controlling the fluxes of CO_2 during exposure and inundation on tidal flats" *by* P. A. Faber et al.

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Extra figures attached

Interactive comment on Biogeosciences Discuss., 9, 5445, 2012.

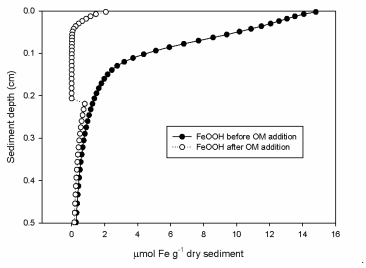

Fig. 5 A simulation showing the FeOOH concentration before and after an organic matter pulse with initial FeOOH concentration of 19 µmol g^{-1} sediment (d/w). Note: The step around 0.2 cm is due to the pulse of organic matter added to only the top 0.2 cm.

Fig. 1.

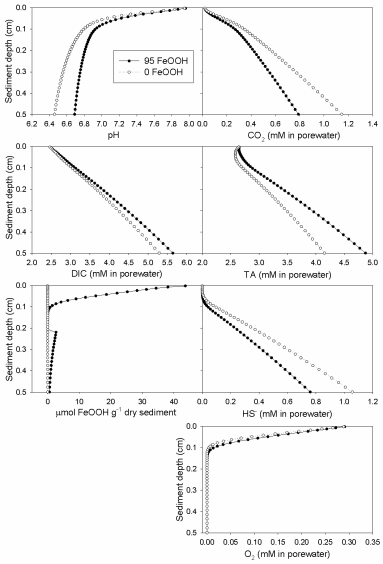

Fig.7 Profiles of pH, CO_2, DIC, TA, FeOOH and HS^- and O_2 from two simulations. Empty circles represent a simulation with no FeOOH, whereas filled circles represent 95 µmol g^{-1} sediment (d/w) FeOOH.

Fig. 2.