

## ***Interactive comment on “Carbon storage in seagrass soils: long-term nutrient history exceeds the effects of near-term nutrient enrichment” by A. R. Armitage and J. W. Fourqurean***

### **Anonymous Referee #1**

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#### General comments

This is a well conceived study that evaluates the relative influence of short-term and long-term nutrient enrichment on the carbon storage capacity of seagrasses in sediments. The topic is of wide interest and relevant considering the role of seagrass ecosystems in carbon storage and how this role might be affected by anthropogenic activities. Presentation of results is clear and their interpretation is sound. I only wonder given the threshold-type of response if the linear, logarithmic models are the most appropriate.

#### Technical comments

Page 16289, line2: replace "long-term" by "near-term", line 21: replace "nutrient analyses" by "carbon analyses"

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Interactive comment on Biogeosciences Discuss., 12, 16285, 2015.