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Interactive comment on "High denitrification and anaerobic ammonium oxidation contributes to net nitrogen loss in a seagrass ecosystem in the central Red Sea" *by* Neus Garcias-Bonet et al.

Anonymous Referee #1

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General comments: This paper contributes significantly to the understanding of nitrogen cycling in seagrass meadows. There are few studies quantifying annamox, denitrification, and n-fixation in seagrass meadows. The authors did a great job quantifying annamox and denitrification rates in this system and presented most of their data in a clear and concise manner.

Specific comments: The authors did not address the known issues with using the Acetylene Reduction Assay technique to measure nitrogen fixation (Fulweiler et al., 2015; Mohr et al., 2010). I would like to see these issues addressed in the paper. It was also very difficult to tell the difference between the brown (sulfide) and dark red

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Discussion paper

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(oxygen) in figure 1.

Technical corrections: 1. Line 50 “estimated in” should be “estimated at” 2. Line 51 same as above

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