

Interactive comment on “Technical Note: Low Cost Mesocosms Design for Studies of Tropical Marine Environments” by Ruben R. Raygosa-Barahona et al.

Ruben R. Raygosa-Barahona et al.

r.raygosa@gmail.com

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The reviewer is right. Indeed, is a technical note as indicated in the title. Our main intention was to show and discuss the main considerations when designing a low-cost on-land mesocosms facilities, not the results of the experiments. As we stated in the introduction the design of ground mesocosms facilities in tropical environments is challenging due to the harsh environment condition such as high temperatures (32-40C).

Our results showed that without any of the technical improvements the mesocosms water column could reach temperatures of 45 C (in 10 hrs)(fig 6 in the draft paper) which

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represents 13 C above the maximum values observed in the natural daily changes. The inclusion of the electric marine thruster and the immersion of the mesocosms unit in a water bath was useful to maintain the water temperature in a range of variability similar to the observed in the field.

Results of the experiments, including the information of the measured physical, chemical, and biological parameters will be elsewhere published.

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