

Interactive comment on “Impact of climate and hydrochemistry on shape variation – a case study on Neotropical cytheroidean Ostracoda” by Claudia Wrozyna et al.

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Received and published: 25 January 2018

Referee #2 evaluates the manuscript providing interesting and important information. He emphasizes the research focus on the influence of the morphological variability on a geographical scale. His concerns follow referee #1 demanding some hypothetical interpretations about the mechanisms behind the relationship between shape of ostracod valves and environmental parameters.

- We agree with the referee that the manuscript will benefit from an extended discussion. We stated above that straightforward interpretations of these mechanisms are hindered due to lacking and/or inconsistent studies. Moreover, our study is not suited

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for testing those hypotheses for which physiological experiments would be required. For these reasons we kept the discussion in a rather reduced form in order to avoid speculative hypotheses that cannot be tested. Nevertheless, as written above, we will extend our discussion.

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2017-390>, 2017.

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