

## ***Interactive comment on “Upwellings mitigated Plio–Pleistocene heat stress for reef corals on the Florida platform (USA)” by T. C. Brachert et al.***

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Dear editors, we thank Christine Perrine for her very careful, specific and constructive review. Below, we discuss how we intend to deal with her comments. 16555 lines 10-11: Ok, agreed! Will be modified accordingly. 16555 lines 23-24: Ok, thanks for the suggestion! 16556 lines 22-25: Highsmith, 1979, J. Exp. Mar. biol. Ecol. 16558 lines 16-17: Ok, we will add a short summary of the stratigraphy and paleogeography of the platform. 16559 lines 5-8: We will correct this aspect stating that we are dealing with the *M. annularis* group. 16559 lines 13-16: Ok. Good suggestion! 16562 lines 13-14: This will be clarified (cement). 16564 line 6: Yes Fig. 5. Will be corrected. 16565 lines 8-9: Ok. Will be done. 16566 lines 22-24: The taxonomical issue is hard to evaluate statistically, because the bulk of the material is from *Solenastrea* with only two

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additional specimens of Orbicella and one Porites. This aspect was addressed also by review 2 (Cortés). Our answer can be found in our letter responding review 2 and not repeated here. 16572-16573: Ok. We agree, this is a good suggestion! Thanks. 16577 lines 17-19: Ok, agreed.

In case you have any question, please feel free to contact us again.

Sincerely, yours Thomas Brachert and co-authors

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Interactive comment on Biogeosciences Discuss., 12, 16553, 2015.

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