

Interactive
Comment

Interactive comment on “Evaluation of coral reef carbonate production models at a global scale” by N. S. Jones et al.

Anonymous Referee #1

Received and published: 29 September 2014

I like the manuscript, and I think it deserves to be published.

Nonetheless, firstly, there is some physiological literature that most be taken into account in the discussion and, probably, in the model construction (e.g., Marshall & Clode. 2004. Coral Reefs, 23: 218-224; Colombo-Pallota. 2010. Coral Reefs, 29: 899-907).

Secondly, I'm concerned about the so-called Lough SST model. Basically, the authors are using the same line of reasoning of McNeil et al. (2004. Geophys Res Lett, 31: L22309), which was widely criticized by Kleypas et al. (2005. Geophys Res Lett, 32: L08601). Lough & Barnes (2000. J Exp Mar Biol Ecol, 245: 225-243) are Porites growth data in an environmental gradient, not in a time-line gradient. For this, take a look to Worum et al. (2007. Limnol Oceanogr, 52: 2317-2323), Cooper et al. (2008. Global Change Biology, 14: 529-538), Tanzil et al. (2009. Coral Reefs, 28:519–528), and

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



Carricart-Ganivet et al. (2013. PLoS ONE, 7: e32859), between others.

Interactive comment on Biogeosciences Discuss., 11, 12895, 2014.

BGD

11, C5541–C5542, 2014

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C5542

