

Interactive comment on “Key Arctic pelagic mollusc (*Limacina helicina*) threatened by ocean acidification” by S. Comeau et al.

E.V. Thuesen

thuesene@evergreen.edu

Received and published: 19 March 2009

This is a very interesting paper with nice results, and I would like to see more statistical analyses of the data.

A) Means \pm SD, n, p are needed for everything in the results. For example, this is missing from the regressions. Only R² is given. For the non-biological rates, no SD or n is given.

B) T-test on slopes? That means the calcification rates? That isn't clear to me. Could the stats be elaborated on in the methods?

C) It seems like an ANOVA could be done on the calcification rates (Non-biological, Low pH and Hi pH). If these are significantly different, it will really shore up the very

C30

strongly stated title of the paper.

The qualitative data are shown well in the fine photos, but without basic statistical analyses, it is not possible to meaningfully interpret the results.

Interactive comment on Biogeosciences Discuss., 6, 2523, 2009.