

Interactive comment on “Monitoring stable isotopes in caves over altitudinal gradients: fractionation behaviour and inferences for speleothem sensitivity to climate change” by V. E. Johnston et al.

A. Mangini (Editor)

Augusto.Mangini@iup.uni-heidelberg.de

Received and published: 22 October 2012

The editor joins the view of the two reviewers: the data set is very valuable and it should be published in COP. However, the authors are asked to elaborate and correct the interpretations following the very good suggestions of the two referees. As most of the authors have participated in the Daphne Project and are familiar with the published results on fractionation processes, this should be possible. In addition this manuscript has a potential to combine better the petrographical observations with the fractionation processes that are described by the models. For example, the models attribute larger

C1995

fractionation to faster precipitation of calcite. Is this pattern reflected in the fabrics of the stalagmites?

I thank both referees for their very constructive and detailed comments.

Interactive comment on Clim. Past Discuss., 8, 3613, 2012.