

Interactive
Comment

Interactive comment on “The enigmatic ichnofossil *Tisoa siphonalis* and widespread authigenic seep carbonate formation during the Late Pliensbachian in southern France” by B. van de Schootbrugge et al.

B. van de Schootbrugge et al.

van.de.schootbrugge@em.uni-frankfurt.de

Received and published: 27 August 2010

We gratefully acknowledge the positive review by Phillippe Leonide. The reviewer raises similar points as Reviewer Aurelian Gay concerning the analysis of thin sections and fluid inclusions. In addition the reviewer suggests the use of SEM to further constrain the mineralogy of the *Tisoa* concretions. We have now performed SEM analyses to search for microbial structures within the canals and matrix of the concretions. Until now these results are not straightforward. Some of the pyrite framboids within the canal walls do show signs of bacteria, but it remains unclear whether these are truly

C2569

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



fossilized or contamination. It is interesting though, that most of the microbial remains observed were associated with the pyrite within the central canals. As stated in the reply to Aurelian Gay, the matrix consists of micrite with sponge spicules and foraminifera and likely represents a cemented form of the original sediments.

Interactive comment on Biogeosciences Discuss., 7, 4181, 2010.

BGD

7, C2569–C2570, 2010

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C2570

