

Interactive comment on “A normalised seawater strontium isotope curve and the Neoproterozoic-Cambrian chemical weathering event” by G. A. Shields

N. Arndt (Editor)

arndt@ujf-grenoble.fr

Received and published: 21 May 2007

As both reviewers have pointed out in their long and constructive reports, the paper gives a revised method for interpreting the marine Sr isotope record. Peucker-Ehrenbrink notes that the method provides a very useful refinement of an approach that had been published some 15 years ago but seems to be little known by workers in the field. Both reviewers discuss some questionable aspects of the method, but both also recommend that the paper be published after revision. One persistent recommendation is that a quantitative modeling component be added to the paper and that the manner in which the variables are handled be explained more carefully.

The author has responded in detail to the reviewers' comments and has explained how the paper might be revised to meet the criticisms.

My recommendation is that the author goes ahead with the revisions, after which the paper could be published in eEarth. It is probably not possible to add a complete description of a more quantitative approach within the page limit of an eEarth paper, but much of this information could be included as supporting documents.

Interactive comment on eEarth Discuss., 2, 69, 2007.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper