

Author's response to editors comment posted for manuscript egusphere-2024-751

Date 08.06.07.2024

Dear Nana B. Karlsson,

Thanks you for taking the time to again review our manuscript and suggest valuable changes.

Editors comment:

In the response to referee #1, you write "We do not have U-Th dates on this post-damage calcite from this cave, but this type of (locally actively forming) white calcite is well known and characterized in many other caves as Holocene in age."

I am aware that you cannot share unpublished data. Instead, I ask that you include a brief sentence about the studies you mention where stalagmites have been dated including appropriate references.

I agree with referee #2 that listing the numbers of the simulations is not helpful. In fact, I would suggest that you remove lines 45-46 since they don't seem to be needed.

Authors response:

We have added a sentence in line #20 (new manuscript) to expand on the concept of post damage calcite formation and how it relates to the age of the damage. Also we have added two references to support this.

We have removed lines #47-48 in the initially submitted manuscript as requested by you. We think you refereed to these two lines instead of lines #45-46.

The point by point reply to the reviewers comments has already been submitted and should be available within the Copernicus system.

Kind regards,
Alexander Jarosch on behalf of the authors