

***Interactive comment on “Detection and origin of different types of annual laminae in recent stalagmites from Zoolithencave, southern Germany: Evaluation of the potential for quantitative reconstruction of past precipitation variability” by D. F. C. Riechelmann et al.***

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We thank the reviewer for his/her constructive comments. We agree that the current version of the manuscript contains too much material and is generally too long. Therefore, we will substantially shorten the manuscript. For instance, since the application of both methods was not successful, the discussion of  $^{230}\text{Th}/\text{U}$ - dating will be much shorter in the revised version, and the UV-scanning part will be deleted completely. This will considerably streamline the manuscript. As mentioned in our reply to reviewer

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1, we will also improve the discussion with a more detailed interpretation and discussion of the proxy data. Furthermore, we will improve the chronology by five additional  $^{14}\text{C}$  ages. Thank you for these helpful comments.

In summary, we consider the comments of both reviewers very useful and are convinced that we are able to accordingly modify the manuscript.

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