

We thank the reviewer for this careful and constructive comment. To address this point, we tested the impact of the updated decay constant by recalculating $\delta^{234}\text{U}$ using an example dataset from the manuscript. This recalculation was performed using the updated λ (Hu et al., 2025) and compared directly to the results obtained with Cheng et al. (2013). The resulting differences are very small ($<0.1\text{‰}$) and remain well within analytical uncertainty, and therefore do not affect the trends or conclusions of the study.

In response, we have added the following sentence to the manuscript:

“The updated ^{234}U half-life (Hu et al., 2025) differs only marginally from that of Cheng et al. (2013) and has a negligible effect on $\delta^{234}\text{U}$ ($<0.1\text{‰}$).”