



Corrigendum to **“ShellChron 0.4.0: a new tool for constructing chronologies in accretionary carbonate archives from stable oxygen isotope profiles” published in Geosci. Model Dev., 15, 1247–1267, 2022**

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Published: 18 February 2022

Unfortunately, a small mistake was made in Eq. (3) of my paper, which was only discovered after final publication. The following equation is incorrect.

$$\delta^{18}\text{O}_w [\text{‰ VPDB}] = 0.97002 \cdot \delta^{18}\text{O}_w [\text{‰ VSMOW}] - 29.98 \quad (3)$$

It read as follows.

$$\delta^{18}\text{O}_w [\text{‰ VPDB}] = 0.97001 \cdot \delta^{18}\text{O}_w [\text{‰ VSMOW}] - 29.99 \quad (3)$$

The previous formula is outdated, and the latest version of the conversion from the VPDB to VSMOW scale was found as Eq. (4) of Kim et al. (2015). The author thanks Wolfgang Meier-Augenstein (Robert Gordon University, Aberdeen, UK) for pointing out this oversight and for kindly providing the correct citation containing the latest version of the conversion formula.

References

Kim, S.-T., Coplen, T. B., and Horita, J.: Normalization of stable isotope data for carbonate minerals: Implementation of IUPAC guidelines, *Geochim. Cosmochim. Ac.*, 158, 276–289, <https://doi.org/10.1016/j.gca.2015.02.011>, 2015.