

We would like to thank again Vasilii Petrenko for his time and his valuable final comments.

I think the authors overall did a good job with the revisions. My only remaining technical comments are with regards to Equation 1 that was added to the Supplement. On the right side of equation 1, I believe it should be $1/N_a$ rather than N_a . Also, the ^{14}C half-life needs to be in seconds rather than years, otherwise this doesn't work with the Bq units. My guess is that the authors did the calculation correctly but mistyped it in the equation; otherwise they would not get reasonable values for E_i , but they should re-check this.

In the Supplement, we agree that on the right side of equation 1 it is $1/N_a$ and not N_a ; we mistyped that in the previous version and corrected that in the new one. In our code, the ^{14}C half-life is expressed in seconds rather than years, yes, we corrected that in the supplement.

To avoid any confusion regarding both τ parameters in equations 1 ($\tau_{^{14}\text{C}}$) and 2 (τ), in equation 1, we now additionally replaced the previous parameter $\tau_{^{14}\text{C}}$ by $t_{1/2,^{14}\text{C}}$.