

ERRATA

Correction to Reviews in Mineralogy & Geochemistry Vol. 55

--- Geochemistry of Non-Traditional Stable Isotopes ---

Chapter 4 “Analytical Methods for Non-Traditional Isotopes”

Pages 113-152

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Error in Equation 65 found on page 152 (in Appendix B: Example of double-spike calculation using a Newton-Raphson iteration.)

Corrected equation should be:

$$\begin{aligned}\frac{\partial \mathcal{F}_{66}}{\partial \phi_{64}^{\text{sp}}} &= \left(\frac{66\text{Zn}}{64\text{Zn}} \right)^{\text{sp}} - \left(\frac{66\text{Zn}}{64\text{Zn}} \right)_{\text{ref}}^{\text{sple}} \left(\frac{64}{66} \right)^{\beta_{\text{sple}}} \\ \frac{\partial \mathcal{F}_{66}}{\partial \beta_{\text{sple}}} &= \ln \left(\frac{64}{66} \right) \left(1 - \phi_{64}^{\text{sp}} \right) \left(\frac{66\text{Zn}}{64\text{Zn}} \right)_{\text{ref}}^{\text{sple}} \left(\frac{64}{66} \right)^{\beta_{\text{sple}}} \\ \frac{\partial \mathcal{F}_{66}}{\partial \beta_{\text{mix}}} &= -\ln \left(\frac{64}{66} \right) \left(\frac{66\text{Zn}}{64\text{Zn}} \right)_{\text{meas}}^{\text{mix}} \left(\frac{64}{66} \right)^{\beta_{\text{mix}}}\end{aligned}$$