

Corrigendum

Corrigendum to “The Fe and Zn isotope composition of deep mantle source regions: Insights from Baffin Island picrites” [Geochim. Cosmochim. Acta 238 (2018) 542–562]

The author has replaced the kinetic isotope fractionation line in Fig. 10 and changed the text in the caption highlighted in bold as below:

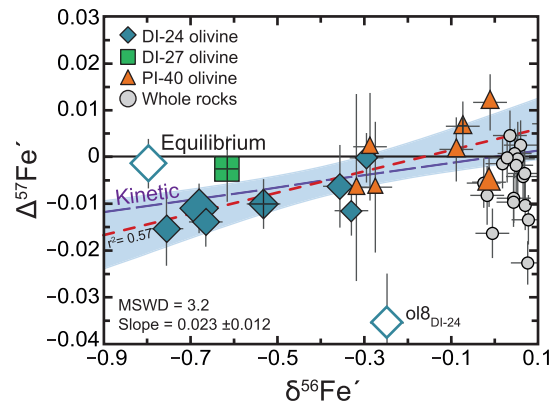


Fig. 10. Resolving mechanisms of isotope fractionation using a three-isotope diagram. Baffin Island olivine and whole rock data are plotted relative to the predicted equilibrium ( $\beta = 1.4750$ ; Slope = 0) and kinetic ( $\beta = 1.4881$ ; Slope = **0.013**) mass fractionation laws. The symbols representing the olivine crystals are scaled relative to the individual crystals size. Bulk olivine fractions are represented with a cross. Regression line and error envelope (shaded area) is calculated through the olivine data using Isoplot (Ludwig, 2008). Data points are plotted with long-term error on  $\delta^{56/54}\text{Fe}'$  ( $\pm 0.039$ ) and the median error on  $\Delta^{57/54}\text{Fe}'$  ( $\pm 0.0053$ ) unless the measured errors are larger (errors were propagated as described in Young and Galy (2004)). The two points that fall furthest from the correlation line (uncoloured symbols) have been excluded from the regression. However, independent of the points included the regression produces a non-zero slope consistent with kinetic isotope fractionation having affected the olivines (see Fig. A9). Grain ol8 in sample DI-24 does not fit the broad correlation between  $\delta^{56}\text{Fe}$  and crystal size seen in the other grains (Fig. 7) and falls significantly outside error of the predicted mass fractionation lines, thus it is not considered a good representation of the major processes we are attempting to understand.

The authors would like to apologise for any inconvenience caused.

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## References

- Ludwig K. R. (2008) *Isoplot 3.71*, 3.71 ed. Berkeley Geochronology Centre.
- Young E. D. and Galy A. (2004) The isotope geochemistry and cosmochemistry of magnesium. *Rev. Mineral. Geochem.* **55**, 197–230.