

Dear Daniela Rubatto,

Thank you for making the points on our Supplementary tables.

- IDTIMS dates: negative values for 207/206 ages are not acceptable. If no reliable date can be calculated, then no value should be reported.

Although, some of the 207/206 dates were negative they were attributed with large uncertainties due to the low amounts of 207Pb measured in these young zircons. We agree that reporting those dates is confusing and we have deleted them from the tables (TIMS and LA-ICP-MS). We have also excluded 207/235 LA-ICP-MS dates due to the same concern. If a reader is interested in these ages they can easily calculate them with the provided data.

- LAICPMS dates: negative values for error correlation are likely a mistake, Please check the formula used for generating this value. Same issue as above for negative ages.

The negative ratios are not a mistake but the result of relatively large uncertainties associated with the 207/235 and 206/207 ratios (see formulas 118 and 122 in Schmitz and Schoene, 2007). Values for error correlations can theoretically range from 1 to -1. We would thus like to keep the negative error correlations in the manuscript.

- LAICPMS dates: please ensure that all values in the same column have the same N of digits and (0.000027 versus 1). "0" is not an acceptable value for an isotopic ratio, probably one isotope is below detection.

- TE Table: watch the significant digits, more than 3 digits (e.g. 1.597) imply precision better than 1%, which is certainly not the case. Some values have only one digit, probably they need more.

We have tried to address these valid points. We tried to keep the same number of values per column. We did not modify the numbers as such but just adjusted the number of illustrated digits. In this way the reader is able to examine the number of digits he wishes and re-calculate data with the original numbers.

We hope that these adjustments are satisfactory and please let us know if anything else is required changing.

Thank you and best regards

Simon Large et al.