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To *Geochronology* Editor,

Dear Editor,

Please find a final, revised version of manuscript gchron-2020-10 "Direct U-Pb dating of carbonates from micron scale fsLA-ICPMS images using robust regression", by Hoareau et al.

The last, minor modifications you requested have been done in order to publish the manuscript.

Rather than strictly following the adequate number of significant digits, we have homogenized the number of decimal places between the results and their uncertainty, without ever exceeding 3 decimal places. Note that these modifications were made on all the figures in the manuscript, but in the supplement only the figures generated by our own code (robust regression) were modified. Indeed, for the figures obtained via IsoplotR, we have kept the default presentation proposed by the software (i.e., 2 significant digits). On this last point, we notice that the 2 significant digits are calculated by default only for uncertainties, which may result in aberrations in the number of significant digits for the results. This problem is therefore encountered by all users of the software.

Finally, we have homogenized the format of the common Pb in the figures (for example, $^{207}\text{Pb}/^{206}\text{Pb})_0$ rather than Pb_0), following your recommendations but also the default format proposed in IsoplotR.

We hope that these modifications are satisfactory to you and will allow the rapid publication of our results.

Sincerely,

Guilhem Hoareau