

Geochronology Discuss., author comment AC2  
<https://doi.org/10.5194/gchron-2021-42-AC2>, 2022  
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## **Reply on RC2**

Stephen E. Cox et al.

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Author comment on "Short communication: Mechanism and prevention of irreversible trapping of atmospheric He during mineral crushing" by Stephen E. Cox et al.,  
Geochronology Discuss., <https://doi.org/10.5194/gchron-2021-42-AC2>, 2022

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We thank the reviewer for the extensive comments, particularly from the important perspective of one of the authors of the studies that motivated this work. We believe we have developed a complete plan to address the issues raised in this review. In order to more coherently respond to the line-by-line comments, we have placed all of the responses in the attached pdf. Our responses in red follow each of the reviewer comments in white. In particular we invite additional input from the reviewers and the editor about additions to Figure 3, which we are proposing to significantly expand.

Please also note the supplement to this comment:

<https://gchron.copernicus.org/preprints/gchron-2021-42/gchron-2021-42-AC2-supplement.zip>