OPEN Author Correction: Conversion of tectonic and climatic forcings into records of sediment supply and provenance

Glenn R. Sharman , Zoltan Sylvester & Jacob A. Covault

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-019-39754-6>, published online 11 March 2019

This Article contains a repeated error, where the Q_s variable is not scaled by a factor of 10^4 . As a result, in the Results section under the subheading ‘Uplift Rate’,

“In this case, $Q_{s_min} \approx 6 \text{ m}^3/\text{yr}$ and $Q_{s_max} \approx 60 \text{ m}^3/\text{yr}$, with a response time of $\sim 0.93 \text{ Myr}$ for both increased and decreased uplift rate (Figs 1b and 2; Table DR2).”

should read:

“In this case, $Q_{s_min} \approx 6 \times 10^4 \text{ m}^3/\text{yr}$ and $Q_{s_max} \approx 60 \times 10^4 \text{ m}^3/\text{yr}$, with a response time of $\sim 0.93 \text{ Myr}$ for both increased and decreased uplift rate (Figs 1b and 2; Table DR2).”

In the Results section under the subheading ‘Precipitation’,

“In our model, Q_{s_max} ($19 \text{ m}^3/\text{yr}$) is attained rapidly with a response time of $\sim 0.3 \text{ Myr}$. During a decrease in precipitation, Q_{s_min} ($\sim 2 \text{ m}^3/\text{yr}$) is also achieved rapidly but with a more prolonged response time ($\sim 0.9 \text{ Myr}$).”

should read:

“In our model, Q_{s_max} ($19 \times 10^4 \text{ m}^3/\text{yr}$) is attained rapidly with a response time of $\sim 0.3 \text{ Myr}$. During a decrease in precipitation, Q_{s_min} ($\sim 2 \times 10^4 \text{ m}^3/\text{yr}$) is also achieved rapidly but with a more prolonged response time ($\sim 0.9 \text{ Myr}$).”

In Figure 1 in panel (b), the y-axis label,

“ $Q_s (\text{m}^3\text{yr}^{-1})$ ”

should read:

“ $Q_s (\times 10^4 \text{ m}^3\text{yr}^{-1})$ ”.

In Figure 3 in panel (a-b), the y-axis label,

“ $Q_s (\text{m}^3/\text{yr})$ ”

should read:

“ $Q_s (\times 10^4 \text{ m}^3\text{yr}^{-1})$ ”.

In Supplementary Table DR2, the units for ‘Magnitude of Change’ for both ‘ Q_{s_min} ’ and ‘ Q_{s_max} ’,

Published online: 02 November 2020

“(m³yr⁻¹)”

should read:

“(× 10⁴ m³yr⁻¹)”.

In Supplemental Figure 1, for all Scenarios, the y-axis label,

“Q_s (m³/yr)”

should read:

“Q_s (× 10⁴ m³/yr)”.

In Supplementary Scenarios 1.1-1.15, Scenarios 2.1-2.15, and Animations, in the graph ‘Change in Q_s and provenance (% Source A) over time’, the unit is omitted for the y-axis, where

“Q_s”

should read:

“Q_s (× 10⁴ m³/yr)”.

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2020