

Correction to “Subevent structure of large earthquakes – A ground-motion perspective”

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The following changes should be made to equation (1) and Figure 1 of the article “Subevent structure of large earthquakes – A ground-motion perspective”, *GRL*, Vol. 28, No. 1, 53-56 (January 1, 2001). When comparing the regression equation (1) and the two equations written in Figure 1 with the actually plotted regression lines in Figure 1, their inconsistency can be noticed. Specifically, it is stated that the thin line in Figure 1 is described by the equation $\log \Delta l = -2 + 0.5 M$. The line intersection with the vertical axis ($M = 4$) graphically gives the value of $\Delta l \approx 0.4$ km. However, the calculation using the above equation for $M = 4$ gives $\Delta l = 1$ km.

The inconsistency is explained by the insufficient number of significant digits shown in the equations. The accurate equations in Figure 1 should read:

$$\log \Delta l = -2.08 + 0.416 M \text{ (this study)} \quad (1)$$

$$\log \Delta l = -2.42 + 0.492 M \text{ (Somerville et al., 1999)} \quad 2)$$

Equation (1) in the article should also be the equation (1) above. We thank Paul Somerville for drawing our attention to the inconsistency between plots and equations.

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