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## Quaternary Geochronology

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## Corrigendum

## Corrigendum to “Exposure dating of precariously balanced rocks” [Quaternary Geochronology 6 (2011) 295–303]

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We discovered an error in the computer code that carries out the geometric shielding calculations in this paper. The error concerned the summation of attenuation distances when a simulated cosmic ray path passed through multiple domains of soil or rock. This resulted in incorrect estimates of the parameters  $S_{0,i}$  and  $L_i$  for some samples in Table 1. These incorrect estimates were also displayed in Fig. 6. Revised versions of Table 1 and Fig. 6 appear below.

This revision has a small effect on our estimate of the fragility age  $t_{tip}$  for the “GV2” precariously balanced rock ( $18.7 \pm 2.8$  ka as originally published). The corrected values for  $S_{0,i}$  and  $L_i$  shown above slightly improve the value of the misfit statistic  $M$  (to 32 from 42 as originally published) and yield  $t_{tip} = 18.5 \pm 2.0$  ka.

Table 1

<sup>10</sup>Be concentrations and sample-specific constants for samples on the GV2 PBR.

Sample name	Distance below PBR top $z_i$ (cm)	Sample thickness (cm)	[ <sup>10</sup> Be] <sup>a</sup> ( $10^3$ atoms $g^{-1}$ )	$S_{0,i}$	$L_i$ ( $g\ cm^{-2}$ )	Assumed $\epsilon_{s,i}$ ( $cm\ a^{-1}$ )
GV2-3	0	4.5	$688 \pm 16$	0.96	160	$2 \times 10^{-4}$
GV2-2	69	4	$410.3 \pm 6.7$	0.90	171	0
GV2-4	117	3.5	$207.6 \pm 4.4$	0.60	225	0
GV2-1	169	5	$163.3 \pm 3.8$	0.50	223	0

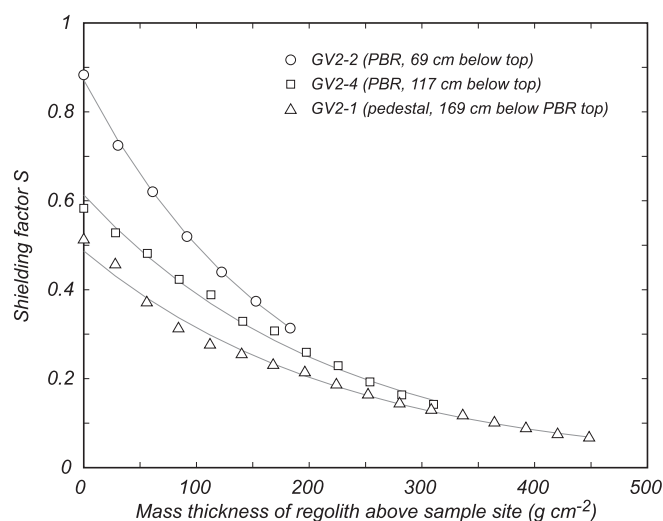
<sup>a</sup> Normalized to the isotope ratio standards of Nishiizumi et al. (2007).

Fig. 6. Exponential fits to numerical calculations of the shielding factor for samples below the PBR top as a function of soil depth above the sample location. The symbols are the results of the Monte Carlo integration; the lines are given by Equation (6) with the parameters from Table 1.

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