



Corrigendum to “Geothermal heat flux from measured temperature profiles in deep ice boreholes in Antarctica” published in The Cryosphere, 14, 4021–4037, 2020

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An incorrect sign was inserted during the writing of this article. The polynomial approximation of borehole temperature at Vostok stated in Table 3 should be

$$T = -56.034 + 2.9889 \times 10^{-3} z + 3.888 \times 10^{-6} z^2 - 0.2419 \times 10^{-9} z^3$$

instead of

$$T = -56.034 + 2.9889 \times 10^{-3} z + 3.888 \times 10^{-6} z^2 + 0.2419 \times 10^{-9} z^3.$$

Table 3 with the corrected equation is as follows:

Table 3. Polynomial approximations of borehole temperature T (°C) as a function of true vertical depth z and correlation factors.

Drill sites	Polynomial	R^2
Byrd	$T = -28.343 + 0.8367 \times 10^{-3} z - 6.7651 \times 10^{-6} z^2 + 6.1339 \times 10^{-9} z^3$	0.997
WAIS Divide	$T = -31.799 + 8.8595 \times 10^{-3} z - 9.4649 \times 10^{-6} z^2 + 2.657 \times 10^{-9} z^3$	0.997
Vostok	$T = -56.034 + 2.9889 \times 10^{-3} z + 3.888 \times 10^{-6} z^2 - 0.2419 \times 10^{-9} z^3$	0.999
Dome C	$T = -54.316 + 5.2978 \times 10^{-3} z + 4.4141 \times 10^{-6} z^2 - 0.368 \times 10^{-9} z^3$	0.999
Kohnen	$T = -44.428 + 1.7384 \times 10^{-3} z + 4.4124 \times 10^{-6} z^2 + 0.184 \times 10^{-9} z^3$	0.999
Dome F	$T = -55.016 + 5.839 \times 10^{-3} z + 5.188 \times 10^{-6} z^2 - 0.446 \times 10^{-9} z^3$	0.998