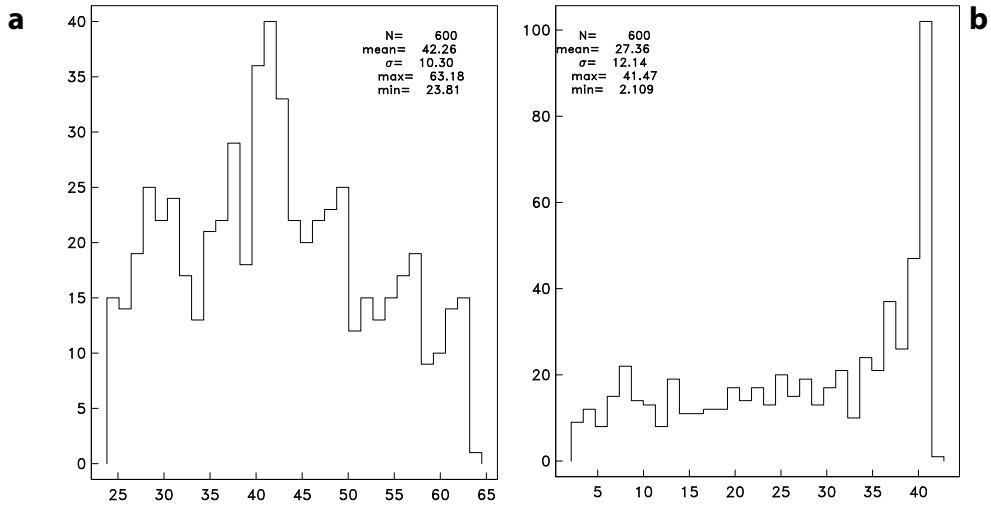


ERRATUM

The inverse problem of unpolarized infrared spectroscopy of geological materials: Estimation from noisy random sampling of a quadratic form by Andrew Jackson, Robert L. Parker, Malcolm Sambridge, Catherine Constable, and Aaron S. Wolf (August, vol. 103, p. 1176–1184, 2018). Article DOI: <http://doi.org/10.2138/am-2018-6152>. Erratum DOI: <https://doi.org/10.2138/am-2023-E10854>

Recently, the authors discovered that Figure 1, Equation 6, and Equation 27 were improperly presented. Below are the correct Figure and equations.



CORRECT FIGURE 1.

$$A_{\text{unpol}} = \frac{1}{2}(A_b + A_c)\sin^2\phi\cos^2\psi + \frac{1}{2}(A_a + A_c)\sin^2\phi\sin^2\psi + \frac{1}{2}(A_a + A_b)\cos^2\phi \quad (6)$$

$$F(Q_0) = \begin{cases} 1 - \frac{2}{\pi} \int_0^{\frac{\pi}{2}} \sqrt{\frac{a_1 + a_2 - 2Q_0 + (a_1 - a_2) \cos 2\phi}{a_1 + a_2 - 2a_3 + (a_1 - a_2) \cos 2\phi}} d\phi; & Q_0 \leq a_2 \\ \frac{2}{\pi} \int_0^{\frac{\pi}{2}} \sqrt{\frac{2Q_0 - a_2 - a_3 + (a_2 - a_3) \cos 2\phi}{2a_1 - a_2 - a_3 + (a_2 - a_3) \cos 2\phi}} d\phi; & Q_0 > a_2. \end{cases} \quad (27)$$