CORRECTION
STATISTICAL MODELING AND ANALYSIS OF TRACE ELEMENT CONCENTRATIONS IN FORENSIC GLASS EVIDENCE

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1. Paper figures. The abcissa on certain figures in "Statistical Modeling and Analysis of Trace Element Concentrations in Forensic Glass Evidence" [Pan and Kafadar (2018)] and the corresponding supplement have been corrected. Estimated match rates are around 20–30% lower than originally stated (when the true relative difference in concentrations is less than 15% in all elements); however, the main results and conclusions of the paper remain unchanged. Two samples that come from batches whose mean log concentrations differ by $\delta = 0.1$ (roughly 10%) in all 17 elements would not be "considered distinguishable" [ASTM International (2016), Section 11.1.7] 62.22–65.41% of the time using the covariance matrix estimate from the German data, and 77.18–78.14% of the time using the estimate from the Canadian data set. Affected figures and tables below are labeled corresponding to Pan and Kafadar (2018). Section 2 contains corrected supplemental figures and tables.

TABLE 3
Canadian and German data simulation match rates at various δ

(δ)	0.05	0.1	0.15	0.2	0.25	0.3
(a) Canadian data match rates						
t_3	0.991	0.781	0.103	0.024	0.006	0.003
t_6	0.997	0.773	0.018	0.000	0.000	0.000
t_{10}	0.998	0.775	0.006	0.000	0.000	0.000
G	0.999	0.772	0.000	0.000	0.000	0.000
(b) German data match rates						
t_3	0.968	0.622	0.016	0.003	0.001	0.001
t_6	0.988	0.638	0.001	0.000	0.000	0.000
t_{10}	0.989	0.648	0.000	0.000	0.000	0.000
G	0.990	0.654	0.000	0.000	0.000	0.000