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A new high-flux chemical and materials crystallography station at the SRS Daresbury. 1. Design, construction and test results. Corrigendum

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The scattering efficiencies of four test samples given in Table 1 of the original report [Cernik *et al.* (1997). *J. Synchrotron Rad.* **4**, 279–286] were calculated incorrectly. Corrected values are provided; these are two to three orders of magnitude lower.

Keywords: corrigendum; instrumentation; microcrystal diffraction; chemical crystallography; weakly scattering materials; SRS station 9.8.

We have previously described a new single-crystal diffraction facility on station 9.8 at the SRS Daresbury (Cernik *et al.*, 1997). Test results were summarized for four samples. The data reported included the scattering efficiency of each test crystal, defined as $\sum f^2 V_{\rm crystal}/V_{\rm cell}^2$ (Harding, 1996), for comparison with other studies.

These efficiencies were incorrectly calculated. They are given, together with the corrected values, in Table 1. The correct values are two to three orders of magnitude lower. This means that the conclusions and comments made on the basis of the incorrect figures were too conservative, the performance of the facility being more impressive than indicated by these original figures. In the meantime, samples with even lower scattering efficiencies have been successfully studied by a number of users, and results will be reported in due course.

Table 1
Incorrect and corrected scattering efficiencies (e^2 Å^{-3}).

Example	(1)	(2)	(3)	(4)
Chemical formula	$C_{67}H_{56}Cl_2O_5P_3Ru_2$	$C_{18}H_{17}NO_2$	$C_{72}H_{68}N_4O_{20}S_2$	$Mg_{0.18}Al_{0.82}PO_4$
Original value	6.3×10^{17}	7.0×10^{17}	5.1×10^{18}	9.9×10^{15}
Corrected value	5.5×10^{15}	2.0×10^{15}	3.2×10^{15}	2.4×10^{13}

References

Cernik, R. J., Clegg, W., Catlow, C. R. A., Bushnell-Wye, G., Flaherty, J. V., Greaves, G. N., Burrows, I., Taylor, D. J., Teat, S. J. & Hamichi, M. (1997). *J. Synchrotron Rad.* **4**, 279–286.
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