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Erratum: UV and X-ray observations of the neutron star LMXB EXO 0748−676 in its quiescent state

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Key words: errata, addenda – accretion, accretion discs – ultraviolet: general – X-rays: binaries.

The paper ‘UV and X-ray observations of the neutron star LMXB EXO 0748−676 in its quiescent state’ was published as Parikh et al. (2021). After publication we found a small bug in the photometry package that was giving odd extrapolations of the edges of the UV imaging transmission curves, giving rise to artificial photometry (or lack of) in some filters. This changes the values for the flux ratios of all plots in appendix fig. A1 of the published manuscript. We provide the corrected plots in this erratum. Although the ratio values are different, the conclusions remain unchanged.

We also note that the original manuscript refers to the template spectra shown in fig. A1 as ‘blackbody spectra’, while this should have read ‘stellar atmosphere spectra with the appropriate effective temperature’. These spectra are from Allard, Homeier & Freytag (2012).1 This error was a typesetting mistake and does not affect any results or conclusions presented in the original paper.

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1Available online at https://phoenix.ens-lyon.fr/Grids/BT-Settl/
Figure A1. Estimates of the effect of the unknown UV spectral shape on the inferred UV luminosity. For each observation we show the measured UV flux (upper limit) as the black data point, while the blue and red curves represent stellar-atmosphere spectra with effective temperatures of 13 000 K and 5000 K, respectively. The black dashed curves show the different filter transmissions. Printed in the top left are the ratios of the integrated fluxes for these models compared to a flat distribution, indicated by the dash-dotted horizontal purple lines, over the filter passband.

REFERENCES
Allard F., Homeier D., Freytag B., 2012, Phil. Trans. R. Soc. A, 370, 2765

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