Erratum: Studying the relationship between X-ray emission and accretion in AGNs using the XMM–Newton Bright Serendipitous Survey

by R. Fanali, A. Caccianiga, P. Severgnini, R. Della Ceca, E. Marchese, F. J. Carrera, A. Corral and S. Mateos

1INAF-Osservatorio Astronomico di Brera, via Brera 28, I-20121 Milano, Italy
2Università degli Studi di Milano Bicocca, Piazza Della Scienza 3, I-20126 Milano, Italy
3Instituto de Física de Cantabria (CSIC-UC), Avenida de los Castros, E-39005 Santander, Spain
4National Observatory of Athens (NOA), Palaia Penteli, GR-15236 Athens, Greece

This is an erratum to the paper entitled ‘Studying the relationship between X-ray emission and accretion in AGNs using the XMM–Newton Bright Serendipitous Survey’ published in MNRAS, 433, 648 (2013). Here, we correct a few typographical errors that affected equations (10), (11) and (13). First, in equations (10) and (11) the values of photon index are not expressed in logarithm as wrongly stated in the printed version. Secondly, the constant values of the bisector fit (equations 11 and 13) have the wrong sign. Finally, the value of the constant in equation (11) has been mistyped. The problems only affect the equations and not the fit reported in all figures.

We report below the correct version of equations (10), (11) and (13): the ordinary least-squares (OLS) fit for the correlation \(\Gamma - \lambda\) is

\[\Gamma = 0.25 \log \lambda + 2.48\]  

while the bisector fit is

\[\Gamma = 0.75 \log \lambda + 3.15.\]  

The bisector fit for the correlation \(K_{\text{bol}} - \lambda\) is

\[\log K_{\text{bol}} = 0.72 \log \lambda + 2.32.\]  

All the comparisons and conclusions in the paper are unaffected by these typographical errors.

E-mail: r.fanali@campus.unimib.it

This paper has been typeset from a \TeX/\LaTeX\ file prepared by the author.