

Total infrared luminosity estimation from local galaxies in AKARI all sky survey (Corrigendum)

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A&A 592, A155 (2016), DOI: [10.1051/0004-6361/201629062](https://doi.org/10.1051/0004-6361/201629062)

Key words. infrared: galaxies – galaxies: star formation – galaxies: evolution – errata, addenda

We correct an error present in the entry of the expressions for recalibration of the formulae to derive the total infrared luminosities using two and three AKARI FIS filters (Eqs. (6) and (7)). While the calculations and coefficients are correct, the relations reported in the original paper were expressed for the wrong (opposite) number of filters.

The proper relations which should replace Eqs. (6) and (7) are as follows:

$$\log(L_{\text{TIR}}) = (1.016 \pm 0.004)\log(L_{\text{AKARI}}^{2\text{bands}}) + (0.349 \pm 0.040), \quad (1)$$

and

$$\log(L_{\text{TIR}}) = (0.990 \pm 0.003)\log(L_{\text{AKARI}}^{3\text{bands}}) + (0.451 \pm 0.032). \quad (2)$$

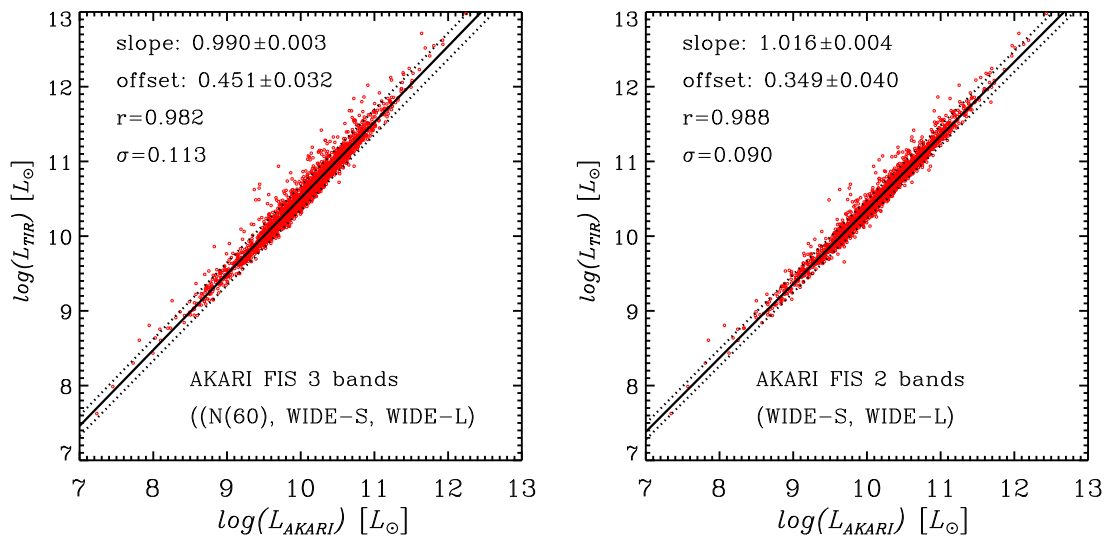


Fig. 1. Figure 3 should be replaced with notation presented here.