

THE X-RAY AND MID-INFRARED LUMINOSITIES IN LUMINOUS TYPE 1 QUASARS

CHIEN-TING J. CHEN(陳建廷)^{1,2}, RYAN C. HICKOX², ANDREW D. GOULDING³, DANIEL STERN⁴, ROBERTO ASSEF⁵,
 CHRISTOPHER S. KOCHANÉK⁶, MICHAEL J. I. BROWN⁷, CHRIS M. HARRISON⁸, KEVIN N. HAINLINE^{2,9}, STACEY ALBERTS⁹,
 DAVID M. ALEXANDER⁸, MARK BRODWIN¹⁰, AGNESE DEL MORO¹¹, WILLIAM R. FORMAN¹², VAROUJAN GORJIAN⁴,
 CHRISTINE JONES¹², STEPHEN S. MURRAY¹², ALEXANDRA POPE¹³, AND EMMANOUEL ROVILOS⁸

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In Chen et al. (2017), Equation (2) presents the parameters for the best-fit $L_X - L_{\text{MIR}}$ relation of the type 1 AGN sample culled from Boötes, *XMM-COSMOS*, and SDSS/XRT surveys; this did not include the XXL-North sample as discussed in Page 8–9. Here we report the updated Equation (2), with parameters for the data set including XXL-North, as the following:

$$\begin{aligned} \log L_{6\mu\text{m}}/\text{erg s}^{-1} &< 44.79 : \\ \log \frac{L_X}{\text{erg s}^{-1}} &= (0.84 \pm 0.03) \log \frac{L_{6\mu\text{m}}}{10^{45}\text{erg s}^{-1}} + 44.60 \pm 0.01 \\ \log L_{6\mu\text{m}}/\text{erg s}^{-1} &\geq 44.79 : \\ \log \frac{L_X}{\text{erg s}^{-1}} &= (0.40 \pm 0.03) \log \frac{L_{6\mu\text{m}}}{10^{45}\text{erg s}^{-1}} + 44.51 \pm 0.01, \end{aligned} \tag{1}$$

These parameters are consistent with the numbers reported in the abstract and in Page 8 of Chen et al. (2017).

REFERENCES

Chen, C.-T. J., Hickox, R. C., Goulding, A. D., et al. 2013, ApJ, 837, 145