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Corrigendum to "HO_x radical chemistry in oxidation flow reactors with low-pressure mercury lamps systematically examined by modeling" published in Atmos. Meas. Tech., 8, 4863–4890, 2015

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Due to an oversight in the production process, this article was published with some mistakes in the following equations:

Equation (12) of the original article was incorrectly numbered. Equation (13) of the original article should be Eq. (12), while Eq. (11) represents the entire equation, not only the first line of Eq. (11).

In addition, the author would like to correct two typos on Eqs. (10) and (12).

Original Eq. (10):

$$\log \mathrm{OH}_{\mathrm{exp}} = 26.89 + \left(-1.7629 - 1.2947 \cdot \mathrm{OHR}_{\mathrm{ext}}^{0.076549} + 0.14469 \cdot \log \mathrm{O}_{3,\mathrm{out}} \cdot \mathrm{OHR}_{\mathrm{ext}}^{0.046}\right) \cdot \log \mathrm{O}_{3,\mathrm{out}} + \log \mathrm{H_2O}. \quad (10)$$

Corrected Eq. (10):

$$\log \mathrm{OH}_{\mathrm{exp}} = 28.89 + \left(-1.7629 - 1.2947 \cdot \mathrm{OHR}_{\mathrm{ext}}^{0.076549} + 0.14469 \cdot \log \mathrm{O}_{3,\mathrm{out}} \cdot \mathrm{OHR}_{\mathrm{ext}}^{0.046}\right) \cdot \log \mathrm{O}_{3,\mathrm{out}} + \log \mathrm{H_2O}. \quad (10)$$

Note: the difference between the parameter values in this equation and those in Eq. (4) of Li et al. (2015) is due to the different units of H_2O in the two articles.

Original Eq. (12):

$$\log \mathrm{OH}_{\mathrm{exp}} = a - \log\left(-\log \mathrm{rO_3}\right) + b\left(\mathrm{OHR}_{\mathrm{ext}}/\mathrm{O}_{3,\mathrm{in}}\right)^c. \quad (12)$$

Corrected Eq. (12):

$$\log \mathrm{OH}_{\mathrm{exp}} = a + \log\left(-\log \mathrm{rO_3}\right) + b\left(\mathrm{OHR}_{\mathrm{ext}}/\mathrm{O}_{3,\mathrm{in}}\right)^c. \quad (12)$$

This update does not affect the conclusions of the article. We apologize for any inconvenience this may have caused to readers.

References

Li, R., Palm, B. B., Ortega, A. M., Hu, W., Peng, Z., Day, D. A., Knote, C., Brune, W. H., de Gouw, J., and Jimenez, J. L.: Modeling the radical chemistry in an Oxidation Flow Reactor (OFR): radical formation and recycling, sensitivities, and OH exposure estimation equation, J. Phys. Chem. A, 119, 4418–4432, doi:10.1021/jp509534k, 2015.