Atmospheric
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Corrigendum to

"Iodine's impact on tropospheric oxidants: a global model study in GEOS-Chem" published in Atmos. Chem. Phys., 16, 1161–1186, 2016

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We have been made aware of a typographic error and a point where a clarification on the representation of information could be improved. First, in Table 4 an additional term ($\frac{Ea}{RT}$) was erroneously present in the second sentence of the caption. The fourth column and final sentence of the caption are therefore no longer required. The updated caption and table are shown below.

Second, in Sect. 2.4. ("Photolysis rates") the cross-section/quantum yield used for I_2O_X ($X = 2, 3, 4$) was not clear. Therefore, the sentence has been updated (New) for clarity as seen below.

Old: "For I_2O_X ($X = 2, 3, 4$) we assume the same absorption cross section as INO_3, an approach used previously (Bloss et al., 2010). For most species (I_2, HOI, IO, OIO, INO, INO_2, I_2O_2, CH_3I, CH_2I_2, CH_2IBr and CH_2ICl) we assume a quantum yield of 1, but for INO_3 we use a quantum yield of 0.21 (Sander et al., 2011)."

New: "For I_2O_X ($X = 2, 3, 4$) we assume the same absorption cross-section as INO_3, an approach used previously (Bloss et al., 2010). For most species (I_2, HOI, IO, OIO, INO, INO_2, CH_3I, CH_2I_2, CH_2IBr and CH_2ICl) we assume a quantum yield of 1, but for INO_3 we use a quantum yield of 0.21 (Sander et al., 2011). We assume I_2O_X ($X = 2, 3, 4$) to have the same quantum yield as INO_3."

Table 4. Termolecular iodine reactions. The lower pressure limit rate (k_0) is given by $A_0 \cdot (\frac{300}{T})^x$. The high pressure limit is given by k_∞. Fc characterises the fall-off curve of the reaction as described by Atkinson et al. (2007).

Rxn ID	Reaction	A_0 cm^6 molecules^{-2} s^{-1}	x	k_∞ cm^3 molecules^{-1} s^{-1}	F_c	Citation
T1	$I + NO + M \rightarrow INO + M$	1.80×10^{-32}	1	1.70×10^{-11}	0.60	Atkinson et al. (2007)
T2	$I + NO_2 + M \rightarrow INO_2 + M$	3.00×10^{-31}	1	6.60×10^{-11}	0.63	Atkinson et al. (2007)
T3	$IO + NO_2 + M \rightarrow INO_3 + M$	7.70×10^{-31}	5	1.60×10^{-11}	0.40	Atkinson et al. (2007)