AMT 13, 1-23, 2020 (Friedrich et al, Measurement of NOx and NOy........)

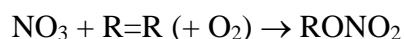
Replies to Type Setting comments during proofreading

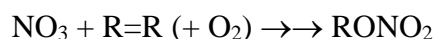
TS1

Originally, we defined NOy as (NO_X + HNO_3 + RO_2NO_2 + N_2O_5 etc). However as N_2O_5 contains 2 nitrogen atoms, (NO_X + HNO_3 + RO_2NO_2 + 2 N_2O_5 etc) would have been more correct and NO_Y is usually defined this way. Whether we write N_2O_5 or 2 N_2O_5 when defining NO_Y has no repurcussions for our results or analysis.

TS2

In Reaction R8, we wrote

NO_3 + R=R (+ O_2) $\rightarrow$ $RONO_2$

which impies a single step reaction. However, the formation of $RONO_2$ in the reaction of NO_3 with unsaturated hydrocarbons in air is a multi-step process. We would prefer to indicate this by modifying the equation to:

NO_3 + R=R (+ O_2) $\rightarrow\rightarrow$ $RONO_2$

This has no repurcussions for our analysis.

TS3

For consistency, we would like to replace the term "O-atoms" with the term "O(3P)" which we use later in the manuscript (top of next column).
This has no repurcussions for our analysis.

TS4

When defining the l / d ratio we erroneously used the number 0.98, which is actually d / l. We would thus like to change the text:

$l / d = 0.98 \pm 0.01$
to
$l / d = 1.02 \pm 0.01$

As we worked with the correct (latter) value, this has no repurcussions for our analysis.