

TM5-MP - Bug #24611

Typos in cb05 ebischeme

02/11/2020 10:30 AM - Stelios Myriokefalitakis

Status:	New	Start date:	02/11/2020
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	TM5-MP 4.0	Spent time:	0.00 hour
Description			
<p>The second photolysis of CH₃O₂NO₂ is considered for C₂O₃ production. However, it does not produce C₂O₃ and should be removed from the Fourth group: C₂O₃ & PAN, i.e., the $rjv(ivec,jmo2no2b)*yv(ivec,ich3o2no2)$ from P19 (aka production of C₂O₃)</p> <p>The 2nd photolysis reaction is, jmo2no2b: CH₃O₂NO₂ + hv --> CH₂O + HO₂ + NO₃ (Williams et al., 2017)</p> <p>Moreover, the second photolysis of CH₃O₂NO₂ is also accounted in the Fifth group: CH₃O₂ & CH₃O₂NO₂ in R1920, i.e., the CH₃O₂ from CH₃O₂NO₂ production) which is again wrong and should be removed too.</p> <p>Another small typo is the stoichiometric coefficient of C₂O₃ of the ACO₂ and CH₃O₂ reaction. Now it is 0.3, i.e., $0.3*rvv(ivec,kaco2mo2)*yv(ivec,iaco2)*yv(ivec,ich3o2)$ but in Williams et al., 2013 is 0.2.</p> <p>If it has not changed on purpose, maybe we should change it too, for clarity.</p>			

History

#1 - 02/11/2020 10:35 AM - Philippe Le Sager

- Target version set to TM5-MP 4.0