

Recent advances in knowledge of the Kinetics and Mechanism of Criegee Intermediates as Tropospheric Oxidizing Species

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Criegee intermediates (CI) are important oxidants produced in atmospheric O_3 + alkene reactions. In recent years much new data on reactions of CI has been reported from direct kinetic studies. The IUPAC Task Group on Atmospheric Chemical Kinetics has recently commenced evaluation of these data, extending substantially the scope of former evaluation published in ACP in 2006. The talk will show some key results of this evaluation, and summarise their implications for tropospheric oxidation.

(oral or poster would be acceptable)