Atmos. Chem. Phys. Discuss.,
https://doi.org/10.5194/acp-2020-360-EC1, 2020

Atmospheric Chemistry and Physics Discussions

Interactive comment on "Evolution of NO_3 reactivity during the oxidation of isoprene" *by* Patrick Dewald et al.

Thomas Karl (Editor)

thomas.karl@uibk.ac.at

Received and published: 31 July 2020

For clarificaton: While it is correct that m/z 43+ can be a common fragmentation mass during PTR, the fragment C3H6H+ (nominal protonated mass: 43+) is typically not associated with isoprene, which shows a minor fragmentation channel on nominal mass 41+ (i.e. m/z 69 -> m/z 41: d(amu) = 28). A similar (higher yield) fragmentation pattern during proton-transfer is also produced by monoterpenes (e.g. m/z 137 -> m/z 81 = d(amu) = 56 = 2*28).

Interactive comment on Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2020-360, 2020.