

Interactive comment on “In situ measurements of molecular iodine in the marine boundary layer: the link to macroalgae and the implications for O₃, IO, OIO and NO_x” by R.-J. Huang et al.

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We are aware of the discussion about the photolytical lifetime of OIO. Not only the laboratory measurements are conflicting, but also the field measurements. While Saiz-Lopez et al. (2006) and Mahajan et al. (2009) report OIO only during the night, Stutz et al. (2007) and Peters et al. (2005) detected it also during the day. We are afraid, we cannot contribute more than detection limits to the discussion. The detection of OIO with DOAS is quite difficult due to the rather uncharacteristic absorption structures. However, the given detection limits of 3.3 (Mace Head) and 12.5 ppt (Mweenish) are correct and result from different light path lengths (13 km and 4 km, respectively).

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