

Interactive comment on “Impact of the marine atmospheric boundary layer on VSLS abundances in the eastern tropical and subtropical North Atlantic Ocean” by S. Fuhlbrügge et al.

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Response to the additional comment by R. Hossaini:

In the introduction the authors note that “oceanic emissions of VSLS might change in the future and in connection with an altering efficiency of the atmospheric upward transport might lead to significant future changes of the halogen budget of the troposphere/lower stratosphere” I would like to draw the authors attention to the most recent study on future stratospheric VSLS loading and to note, along with potential transport changes, changes to the tropospheric oxidizing capacity are likely to be important also.

Hossaini, R., et al. (2012), Modelling future changes to the stratospheric source
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gas injection of biogenic bromocarbons, Geophys. Res. Lett., 39, L20813,
doi:10.1029/2012GL053401.

Thank you, we added this point.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 31205, 2012.