

Interactive comment on “Dimethylsulphide (DMS) emissions from the West Pacific Ocean: a potential marine source for the stratospheric sulphur layer” by C. A. Marandino et al.

Anonymous Referee #2

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Oxidation of DMS leads not only to SO₂ but also to MSA (methanesulfonic acid) which is transported to the TTL by deep convection. MSA was detected in particles by measurements from high altitude aircraft in the lowermost tropical stratosphere (Froyd et al, 2009). This might be worth to be addressed also in the paper.

Froyd, K.D., D.M. Murphy, T.J. Sanford, D.S. Thomson, J.C. Wilson, L. Pfister and L. Lait: Aerosol composition of the tropical upper troposphere. Atmos. Chem. Phys. 9, 4363-4385, 2009.

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