

Interactive
Comment

***Interactive comment on* “On the impacts of phytoplankton-derived organic matter on the properties of the primary marine aerosol – Part 1: Source fluxes” by E. Fuentes et al.**

Anonymous Referee #2

Received and published: 17 August 2010

Overall: this is a very good paper reporting high quality lab/field study results. The thematic area is very challenging with aims to encapsulate physics, dynamics, biology and chemistry of sea spray generation processes. The current study focuses different species in certain oceanic waters and the arising results differ to those reported in previous studies. One main issue is that different laboratory techniques lead to differing results even though the intuitive expectation, generally, should be the same.

I have no technical issues with the manuscript – the only scientific comment is to make an important recommendation that there is an urgent need to conduct a study which brings together different laboratory techniques to study biogenic sea spray source func-

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tions using the same media – otherwise we keep moving ahead with conflicting source functions which are perhaps driven by the different laboratory configurations.

I have no specific comment *per se*.

Publish with pride!

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 14095, 2010.

ACPD

10, C6557–C6558, 2010

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