

Interactive comment on “Spectral studies of ocean water using DOAS” by M. Vountas et al.

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This is a very interesting article! It demonstrates the potential of the analysis of spectral information from novel satellite sensors for remote sensing of oceanic properties.

I am surprised that the authors do not mention the recent work of Wagner et al. (see below).

In our work it was shown (probably) for the first time that oceanic biological activity can be observed using spectral information from GOME. It was also shown that including vegetation spectra can improve the retrieval of atmospheric trace gases. These results were also confirmed by radiative transfer modelling. Moreover, and probably more important, it was shown how such observations can be interpreted in a quantitative way.

I think it would not only be fair but could also strengthen the scientific conclusions of their paper to include proper references to our work.

With best regards,

Thomas Wagner

Satellite monitoring of different vegetation types by differential optical absorption spectroscopy (DOAS) in the red spectral range, T. Wagner, S. Beirle, T. Deutschmann, M. Grzegorski, and U. Platt, *Atmos. Chem. Phys.*, 7, 69-79, 2007 (<http://www.atmos-chem-phys.net/7/69/2007/acp-7-69-2007.pdf>)

Interactive comment on *Ocean Sci. Discuss.*, 4, 459, 2007.

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Discussion Paper