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Interactive comment on “Black carbon emissions from in-use ships: a California regional assessment” by G. M. Buffaloe et al.

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In thinking about this paper some more, the assumption that the absorption coefficient and mass absorption efficiency show a $1/\lambda$ wavelength dependence needs to be tested. The 3-wavelength PSAP and 2-wavelength PAS both provide measurements of spectral light absorption that can be used to evaluate the wavelength dependence of absorption and MAE. This wavelength dependence should be reported. What are the implications for the derived BC emission factors if the spectral light absorption coefficients do not support the assumed $1/\lambda$ dependence?

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 24675, 2013.

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