

Interactive comment on “Update on emissions and environmental impacts from the international fleet of ships. The contribution from major ship types and ports” by S. B. Dalsøren et al.

Anonymous Referee #2

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The paper by Dalsoren et al., is well written and can be accepted with only minor changes. These changes include a missing discussion on surface ozone and changes of its variability in clear and polluted areas as has been described in Isaksen et al (2005). This is because of the importance given to the paper in unpolluted and semipolluted areas. The second missing is a comparison with radiative forcing calculations such as for example described in Sausen et al., (2005). I suggest that both papers be mentioned and discussed, in which I. Isaksen is also a co-author.

References

1. Isaksen, I.S.A., C. Zerefos, K. Kourtidis, C. Meleti, S. Dalsoren, J. Sundet, A.

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Griini, P. Zanis, D. Balis, “Tropospheric ozone changes at unpolluted and semipolluted regions induced by stratospheric ozone changes”; J. Geophys. Res., 110, D02302,doi:10.1029/2004JD004618, 2005.\ 2. Sausen, R., I. Isaksen, V. Grewe, D. Hauglustaine, D.S. Lee, G. Myhre, M. Kohler, G. Pitari, U. Schumann, F. Stordal, C. Zerefos, “Aviation Radiative Forcing in 2000: An Update on IPCC (1999)“; Meteorol. Z., 14, 4, 555-561, 2005.

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 18323, 2008.

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