

Interactive comment on “Horizontal variability of aerosol optical depth observed during the ARCTAS airborne experiment” by Y. Shinozuka and J. Redemann

Anonymous Referee #2

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The paper is a useful documentation of the study on horizontal variability of aerosol optical depth. The paper considers a case which underlines a difference between local and long range aerosol transport. It develops further ideas presented by T.Anderson, R.Charlson et al. in their paper of 2003. Application of the methodology to the satellite remote sensing studies can help understanding differences and biases of the satellite validation efforts. The paper is well written and I have no objections to publication.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 16245, 2011.