

Interactive comment on “Chemistry and transport of pollution over the Gulf of Mexico and the Pacific: Spring 2006 INTEX-B Campaign overview and first results” by H. B. Singh et al.

Anonymous Referee #2

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I have read this discussion paper of the INTEX-B experiment with interest. It reinforces previous observations of long-range transport of pollution from Asia to North America and beyond. The observations of transport of sulphate aerosol are very interesting, as is the contribution made by Asian emissions to ozone concentrations in western America. It shows that transport of pollution can make a substantial impact on pollution levels far downwind which are beyond the control of individual agencies in the region impacted.

The relationship between global scale satellite measurements and more localised but more detailed aircraft measurements needs to be studied with a view to creating useful

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multi-species datasets for the validation of models used to predict present and future air pollution levels. This requires a concerted effort by both the modeling and the measurement communities. The NASA group of scientists has made significant progress here but the work needs to continue.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 363, 2009.

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