

Interactive
Comment

Interactive comment on “Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B” by C. S. McNaughton et al.

C. S. McNaughton et al.

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Charles,

The majority of your comments are addressed in the response to the other reviewers.

I've added the Bian and Zender [2003] reference, thank you.

With respect to the refractive index of CaCO_3 vs CaSO_4 and $\text{Ca}(\text{NO}_3)_2$. I agree with your comment but could not find a way to concisely include it. Still the point is well taken. I've seen TEM or SEM images that show the conversion of angular CaCO_3 to more spherical $\text{Ca}(\text{NO}_3)_2$. I wonder how the changing shape factor alters optical

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properties compared to changes in refractive index. Definitely more work to be done regarding this...

Also, glad I could infuse the manuscript with a little of the excitement we experience while flying at 60 meters above the remote Pacific :-)

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 8469, 2009.

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9, C4718–C4719, 2009

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C4719