

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.**

csmcnaug@hawaii.edu

Received and published: 11 September 2009

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  $\text{CaCO}_3$  vs  $\text{CaSO}_4$  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  $\text{CaCO}_3$  to more spherical  $\text{Ca}(\text{NO}_3)_2$ . I wonder how the changing shape factor alters optical

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



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.

ACPD

9, C4718–C4719, 2009

---

Interactive  
Comment

[Full Screen / Esc](#)

[Printer-friendly Version](#)

[Interactive Discussion](#)

[Discussion Paper](#)

