

***Interactive comment on “Small-scale mixing processes enhancing troposphere-to-stratosphere transport by pyro-cumulonimbus storms” by G. Luderer et al.***

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Nice paper! It was well-written and succinct, which I greatly appreciate.

Since the aerosols in the model are active tracers, I'm curious what effect, if any, the smoke had on the resulting cloud-top signatures. I don't expect it to have a noticeable impact, but I could be wrong. It seems you could test this by simply removing the aerosol source from the fire and re-running the simulation.

-Dan Lindsey, NOAA/NESDIS

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