

Interactive comment on “Observations of ozone production in a dissipating tropical convective cell during TC4” by G. A. Morris et al.

G. A. Morris et al.

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Referee: “I would recommend adding a short paragraph or two to the beginning of Section 3 that would introduce how the different observations types are used together.”

Reply: We have added the introductory paragraph to the beginning of this Section as suggested.

Referee: “A Figure 13 and the discussion on p. 18971 seems out of place to me because it occurs after the discussion of photochemical modeling. Would it be possible to move this to section 3 or add a sentence or two connecting it to the preceding paragraph?”

Reply: This data was added to support the assumptions underlying the photochemical
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modeling initialization. As the reviewer suggests, we have added a sentence at the beginning of the paragraph to better integrate these observations into the photochemical modeling section.

Referee: “I also agree with the comment of Anonymous reviewer 1 that the authors should give more guidance on a most likely scenario to tie the paper together and deliver a more cohesive message.”

Reply: See response to Referee #1 above.

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 18953, 2010.