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Interactive Comment

Interactive comment on "Transport pathways of CO in the African upper troposphere during the monsoon season: a study based upon the assimilation of spaceborne observations" *by* B. Barret et al.

Anonymous Referee #2

Received and published: 11 April 2008

Comments:

"Transport pathways of CO in the African upper troposphere during the monsoon season: a study based upon the assimilation of spaceborne observations" Author(s): B. Barret, P. Ricaud, C. Mari, J.-L. Attié, N. Bousserez, B. Josse, E. Le Flochmoen, N. Livesey, S. Massart, and V.-H. Peuch

This paper presents assimilation of MLS upper tropospheric CO observations in the MOCAGE chemical transport model and an analysis of dynamical processes responsi-

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Interactive Discussion

Discussion Paper

ble for the transport of pollution over Africa in July 2006. I found their results interesting and, I'm specially happy to see that their assimilated CO fields agrees with observation and some other model simulations, e.g. the one uses Canadian GEM -AQ model that I'm involved with.

This paper undoubtedly will motivate worthwhile effect to future research using satellite data. The paper is well written and the results are well presented. I have no further questions, but recommend acceptance of this paper.

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 2863, 2008.