Interactive comment on “Winter- and summertime continental influences on tropospheric O$_3$ and CO observed by TES over the western North Atlantic Ocean” by J. Hegarty et al.

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One minor suggestion: the validity of swapping to a different prior was validated with TES data in the following paper:


I would add this citation on page 23216:

Because the geographically variable a priori adds artificial structure which can potentially obscure some of the real spatial variability, (Zhang et al., 2006) we removed this artifact by reprocessing the TES O$_3$ and CO profiles with a universal a priori using a procedure described in Zhang et al. (2006) and Hegarty et al. (2009) and validated in Kulawik et al. (2008).

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 23211, 2009.