

Interactive comment on “Chemical feedback effects on the spatial patterns of the NO_x weekend effect: a sensitivity analysis” by L. C. Valin et al.

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This paper is in excellent shape and entirely publishable as is or with optional minor revision.

It is also a very useful contribution to our knowledge of photochemical smog. If I were writing it I would make more of a point that if the basin is NO_x saturated then NO_x reduction certainly is not the way to reduce basin wide ozone but I think that R.C does not particularly want to go that far and he does not have to for this manuscript to have value although the major value that I put on it is likely the man made VOC inputs are underestimated.

If there were anything that the authors should add it is comparison of their NEI source
C7276

inventory to EMFAC modeling and the comparison of EMFAC and MOBILE to the Tunnel emissions reported by Fujita et al in JAWMA about a year ago.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 19173, 2013.