

Interactive  
Comment

# ***Interactive comment on “Chemical feedback effects on the spatial patterns of the NO<sub>x</sub> 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 NOx saturated then NOx 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

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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.

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

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