Atmos. Chem. Phys. Discuss.,
https://doi.org/10.5194/acp-2017-534-SC1, 2017

Atmospheric Chemistry and Physics Discussions

Interactive comment on "Ozone Response to Emission Reductions in the Southeastern United States" *by* Charles L. Blanchard and George M. Hidy

Meiyun Lin

meiyun.lin@noaa.gov

Received and published: 13 September 2017

Some findings from the following paper are highly relevant to discussions here.

Lin, M.Y., W. Horowitz, R. Payton, A.M. Fiore, G. Tonnesen (2017). US surface ozone trends and extremes from 1980 to 2014: Quantifying the roles of rising Asian emissions, domestic controls, wildfires, and climate. Atmos. Chem. Phys., doi:10.5194/acp-17-2943-2017.

This paper shows that the O3 decreases driven by NOx controls were most pronounced in the southeastern US, where the seasonal onset of biogenic isoprene emissions and

NOx-sensitive O3 production occurs earlier than in the northeast.

Interactive comment on Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2017-534, 2017.