

## ***Interactive comment on “Atmospheric inverse modeling with known physical bounds: an example from trace gas emissions” by S. M. Miller et al.***

**S. M. Miller et al.**

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Comment: *This work is not as claimed by the authors ‘the first application of Markov chain Monte Carlo (MCMC) to estimation of atmospheric trace gas fluxes’. Rigby et al. (2011) applied MCMC to infer SF6 fluxes: <http://www.atmos-chem-phys.net/11/9887/2011/acp-11-9887-2011.html>.*

Thank you for the comment. We have revised the manuscript accordingly. Among other changes, the revised manuscript cites two atmospheric inversion studies that use Metropolis Hastings implementations to enforce known bounds, including Rigby et al. (2011).

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Interactive comment on Geosci. Model Dev. Discuss., 6, 4531, 2013.

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