Interactive comment on “Sulfur hexafluoride (SF$_6$) emissions in East Asia determined by inverse modeling” by X. Fang et al.

Anonymous Referee #3

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After reading the revised manuscript and the authors comments to my criticisms, I’m revising my answers to the three rating question, down one level. I don’t understand how the model results are unaffected by emissions in India, while the authors calculate fairly precise emissions from the nearby southwest China region. I agree with the other reviewers on the uncertainties of these emissions in China while measurements are outside of China. Maybe a bootstrap analysis using the original EDGAR emissions would help. It would be useful to compare emissions to other results or a simpler model approach. I think that a major rewrite is in order with consideration to the reviewer’s comments. I would cite the Hall et al., [2011] where the NOAA 2006 scale is mentioned.


Interactive comment on Atmos. Chem. Phys. Discuss., 13, 21003, 2013.