

***Interactive comment on “Uncertainty of the stratospheric/tropospheric temperature trends in 1979–2008: Multiple Satellite MSU, radiosonde, and reanalysis datasets” by J. Xu and A. M. Powell Jr.***

**J. Xu and A. M. Powell Jr.**

jianjun.xu@noaa.gov

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Dear reviewer Thank you very much for your positive comments. About the other two papers you mentioned, I can make sure the current paper is totally different from those papers. 1) The first paper published in GRL focus on the global mean temperature trend changing with height from troposphere to stratosphere. 2) The current paper focus on the temperature trend changing with latitudes from south to north hemisphere. The satellite MSU data can not reflect the change with height. So the conclusion is totally different the first GRL paper. On the other hand, the GRL has a short page

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limitation, we can not put the two questions into one paper. 3) The submitted paper (in review) is totally different from above two papers although we discussed one topic. This is a long paper discussing the capability of CMIP3 climate model in the estimation of global temperature trends.

The three papers are totally different aspects of temperature trend issue, these papers are not the different data sets combination. With increasing of depth in our research, we discussed more questions.

I Guarantee the current paper don't have any results published in the other journals.

Thanks,

Jianjun Xu

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Interactive comment on Atmos. Chem. Phys. Discuss., 11, 16639, 2011.