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Interactive comment on “Refined estimate of China’s CO₂ emissions in spatiotemporal distributions” by M.-M. Liu et al.

M.-M. Liu et al.

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Question #1. The Fig 3 is very messy. I understand the authors are trying to show the trends for 31 provinces in China, but the presentation can be better improved by selecting a few important provinces for illustration. Alternatively, the authors may like to use ‘shade’ to group the provinces in terms of geo-economic conditions (e.g. South West, East Coast etc).

Response: Very good suggestions. Because each province has its own characteristics of CO₂ emissions trends, it will be not enough to select some important provinces for illustration in the text. This is why we present the curves of all provinces in China. The second way you suggest is good. Actually, we have already grouped the provinces

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in terms of geo-economic condition in the original manuscript by using different colors (e.g. the black lines represent provinces in East China, the red lines represent provinces in North China etc).

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 17451, 2013.

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