

Interactive comment on “A homogenized daily *in situ* PM_{2.5} concentration dataset from national air quality monitoring network in China” by Kaixu Bai et al.

Anonymous Referee #2

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This paper developed a homogenized daily *in situ* PM_{2.5} concentration dataset from national air quality monitoring network in China. The topic has important climate implications in evaluating air quality variations at an interannual scale. The paper is well organized and written. The findings of this study are worth of publication in the journal after minor revision as following: 1. The reference station is very import for the adjustment. So the regional representativeness for the selected stations should be clarified. 2. The scales of most maps are missing. 3. Why you only chose these three stations for analysis in figure 5 ? 4. Suggest that regional trend in the Northwest and Northeast China should be added in table 1. 5. What is your standard on the daily average from hourly data? Similar with China National Environmental Monitoring Center?

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