

Interactive comment on “Greenhouse gas observations from the Northeast Corridor tower network” by Anna Karion et al.

Anonymous Referee #3

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This paper presented the greenhouse gas observation network in the organization, structure, instrumentation and measurements of the Northeast Corridor, and gave the greenhouse gas analysis for vertical gradients and seasonal cycles in the urban and rural areas. Besides, this paper shares about 4 years greenhouse gas observation data (CO₂, CH₄, CO) of 23 sites. Overall, this manuscript is clear and well written. However, following questions are needed to answer:

(1) This paper provides the observation data from 2015 to 2018. I think the short observation time and few observation stations are the weaknesses of this paper. There should be other observation data in the selected urban area in this study. So, I suggest that the author compare with other data and describe the characteristics and innovation points of this data.

(2) What's the differences between single-point calibration and multiple-point calibration? What's the reference data when you did single-point and multiple-point calibration?

(3) Is there any quality flag in the observation data?

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Discussion paper

