

***Interactive comment on “Remotely operable compact instruments for measuring atmospheric CO<sub>2</sub> and CH<sub>4</sub> column densities at surface monitoring sites” by N. Kobayashi et al.***

**L. Yurganov**

yurganov@umbc.edu

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It is very interesting paper, but much more details are necessary for the instruments used. In particular, the principle of operation for OSA is obscure, the setup is not clear as well. Please give a scheme of optical set up. Also it would be interesting to know where are you planning to deploy the instrument(s), how the data will be archived, are you going to join TCCON, etc. For CO<sub>2</sub>/CH<sub>4</sub> satellite measurements some special areas require validation. The total column data of this type may resolve this problem.

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