

Geosci. Model Dev. Discuss., author comment AC4 https://doi.org/10.5194/gmd-2021-375-AC4, 2022 © Author(s) 2022. This work is distributed under the Creative Commons Attribution 4.0 License.

## Reply on RC2

Zhiqiang Liu et al.

Author comment on "Improving the joint estimation of  $CO_2$  and surface carbon fluxes using a constrained ensemble Kalman filter in COLA (v1.0)" by Zhiqiang Liu et al., Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2021-375-AC4, 2022

Thanks for the careful reading and insightful comments. We have carefully revised the manuscript accordingly. Please see the attached file.

Please also note the supplement to this comment: <a href="https://gmd.copernicus.org/preprints/gmd-2021-375/gmd-2021-375-AC4-supplement.pdf">https://gmd.copernicus.org/preprints/gmd-2021-375/gmd-2021-375-AC4-supplement.pdf</a>