

## ***Interactive comment on “New eastern China agricultural burning fire emission inventory and trends analysis from combined geostationary (Himawari-8) and polar-orbiting (VIIRS-IM) fire radiative power products” by Tianran Zhang et al.***

### **Anonymous Referee #2**

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This manuscript could be published before addressing the comments listed following.

(1) The authors declared that they could capture the small crop fires well happened in Eastern China, however, as we know, the fire size is often less than 100 by 100 square meters. They aggregated the fire data to  $0.1^\circ$  resolution, which is too large and not comparable with the actually existing fires. The question on small fires seem not be addressed in this manuscript. (2) Please compare your results with those from the inversions modeling or the forward simulations to check if your data are reliable. E.g., Table 2 in Cao et al. (Atmos. Chem. Phys., 18, 15017–15046, 2018), Li et al.

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(ATMOSPHERIC ENVIRONMENT, 92, 442-448, 2014).

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-968>, 2020.

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