

Interactive comment on “Evaluation of the smoke injection height from wild-land fires using remote sensing data” by M. Sofiev et al.

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Thank you for the review and suggestions! The text amendments will be introduced in the revised version of the paper. We shall also add an implementation comment in the discussion section. However, we have not verified the methodology of obtaining the FRP from Buoyancy Flux and would refrain from recommending it for a wide use. Proportionality of these quantities has been assumed in the simplified model derivations following the lab experiments, but then we used only observed FRP for the formula calibration (buoyancy flux observations are not available for the MISR dataset). Therefore, the only way of obtaining the information on the fire intensity as a proxy for the plume rise, which we tested, is the direct satellite observations of FRP.

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