

Interactive comment on “Quantification of methane emission rates from coal mine ventilation shafts using airborne remote sensing data” by T. Krings et al.

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We would like to thank the referee for reviewing our manuscript. The referee did not have any major or minor concerns regarding the publication of the manuscript on AMT.

Referee: “[...] *simple atmospheric transport modeling is used to infer the methane emission. The estimate is in surprisingly good agreement with the value reported by the mine operator, with a difference that is much smaller than the estimate uncertainty. There was therefore some “luck” in this particular inversion.*”

Authors’ comment: We fully agree with the referee that the small difference between the
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retrieved emission rate and that reported by the mine operator has to be interpreted with respect to the derived uncertainty. It confirms the general adequateness of the approach taken under the given conditions.

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