

Ann. Geophys. Discuss., author comment AC1
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Reply on RC1

Mizuki Fukizawa et al.

Author comment on "Reconstruction of precipitating electrons and three-dimensional structure of a pulsating auroral patch from monochromatic auroral images obtained from multiple observation points" by Mizuki Fukizawa et al., Ann. Geophys. Discuss., <https://doi.org/10.5194/angeo-2022-5-AC1>, 2022

Specific Comments:

Line 138: Can you specify what is meant by "the forward problem"? How exactly did you calculate the VER from the observations in this case?

Reply:

As explained in lines 72–73, we calculated the VER from model **f** using the aurora emission model (Eq. (3) in Tanaka et al. (2011)). We will add the sentence "as described in Section 2" to the end of line 138.

Reference:

Tanaka, Y. M., Aso, T., Gustavsson, B., Tanabe, K., Ogawa, Y., Kadokura, A., et al. (2011). Feasibility study on Generalized-Aurora Computed Tomography. Annales Geophysicae, 29(3), 551–562. <https://doi.org/10.5194/angeo-29-551-2011>

Technical Corrections:

Line 147: By a different what?

Reply:

We forgot to insert "method" after "a different". We will modify it to "by a different method".