

Ann. Geophys. Discuss., referee comment RC1
<https://doi.org/10.5194/angeo-2022-5-RC1>, 2022
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Comment on angeo-2022-5

Anonymous Referee #1

Referee 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-RC1>, 2022

General Comments:

-This manuscript presents observations and a technique for computing the volume emission rate for pulsating aurora from computed tomography techniques using multiple ground-based monochromatic cameras. This technique is a valuable addition to auroral studies in general because it can be applied to any amount of auroral imaging data in order to back out the precipitating electron characteristics.

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?

Technical Corrections:

-Line 147: By a different what?