

Interactive comment on “A new automatic method for estimating the peak auroral emission height from all-sky camera images” by D. K. Whiter et al.

F. Sigernes (Referee)

fred.sigernes@unis.no

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Review of: D. K. Whiter, B. Gustavsson, N. Partamies, and L. Sangalli, "A new automatic method for estimating the peak auroral emission height from all-sky camera images"

The paper is now well written with excellent language and should be of great interest for the scientific community, since it presents a novel automatic method to estimate auroral peak emission by mapping all-sky data along the magnetic field lines from two ground stations.

The authors demonstrate that it is possible to triangulate a variety of well defined synthetic aurora arcs from two sites by the new method and has compared it to two other

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methods. They also identified why one of the methods, the horizontal plane mapping, overestimates heights due to "flipping".

The method is applied successfully on a single well defined and stable aurora arc event.

I recommend the paper as it is, and look forward to the promised full test of the method including 10⁵ images as a function of all wavelength bands and auroral conditions.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 2, 893, 2012.