

Interactive comment on “Multi-scale auroral observations in Apatity: winter 2010–2011” by B. V. Kozelov et al.

Anonymous Referee #2

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General The paper describes a new optical system for observing auroral structures in the Murmansk region. The paper is well organized and describes both the scientific objectives, the observing system and some examples of data analysis methods. The examples of data analysis show that the observations satisfy the scientific objectives.

Four cameras are used with different field views and two observation sites to enable the stereographic measurements of the aurora altitude. A satellite is successfully used to calibrate the altitude measurement. However, the equation for calculating the altitude could be given and, if possible, the accuracy of the method could be estimated.

Detailed comments p32 Abstract. and p41 Fig. 1: Different values of the field views of the lenses are given in the text and on the Fig 1. p34 line 18: What is the meaning of the word "original". Remove? p41 Fig. 1: The geographic direction should be given on

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the figure.

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