

Interactive comment on “Design and operation of a field telescope for cosmic ray geophysical tomography” by N. Lesparre et al.

Anonymous Referee #1

Received and published: 23 December 2011

The authors describe the technical aspect of their radiographic device for observations in La Soufrier. The manuscript mostly focuses on the instrumental descriptions, and therefore, it falls into the scope of the Geoscientific Instrumentation, Methods and Data Systems.

Although the detailed description is informative and educative in many cases, I could not find any technical advance or additional information to the prior work that might be both beneficial to the readers of this journal. This is partly because of a huge amount of redundant information that can be found somewhere else. Similar descriptions can be seen in D. Gibert et al. EPS 62, 153-165, 2010 and N. Lesparre et al., 183 1348-1361, 2010. There are also too much detailed descriptions, e.g., how to glue the WLS fibers to the scintillator strips, or some technical descriptions about electronic gadgets. There

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are many prior works about these things. Please just cite the references. Such descriptions might be obvious for high energy physicists, and too technical for geophysicists. I recommend the authors to reduce the amount of the manuscript substantially including the text, figures, and tables so that the readers can focus on their original technological progress within the scope of Geoscientific Instrumentation, Methods and Data Systems. Having said this, there are some interesting descriptions in this manuscript, also. For example, the authors can more focus on how they made the water-resist detector for the observation under the extreme wet condition. It is more informative than the tables we can find in the Hamamatsu Photonics Catalogue. In conclusion, the manuscript can be reconsidered after major revisions.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 1, 47, 2011.

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