

Interactive comment on “Increased aerosols content in the atmosphere over Ukraine during summer 2010” by Evgenia Galytska et al.

Anonymous Referee #3

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This paper analyses a number of sun-photometer and satellite observations, together with back-trajectory modelling, for a full analysis of the aerosol load over Ukraine and surrounding areas during the summer of 2010. It is shown that the high aerosol loads were generated by wild fires of exceptional intensity over central and western Russia.

This paper is very well presented. It is easy to read and the figures are of high quality. It goes into the detail at each step. For instance, the authors use sun-photometer measurements to evaluate the satellite products, which is not the objective of the paper. In addition, there are several statements that appear in the introduction, main body and conclusion of the paper. As a consequence, the paper is very long and not well focused.

Although I would have preferred a paper better focused on the analysis of the aerosol

load and its origin, there is nothing wrong, and the paper offers a very thorough analysis of the atmospheric impact of the fires during the summer of 2010. It could be published as is.

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Discussion paper

