

## ***Interactive comment on “Eyjafjallajökull volcano plume particle-type characterization from space-based multi-angle imaging” by R. A. Kahn and J. Limbacher***

**Anonymous Referee #2**

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General Comments:

In this detailed and thorough worked, the authors demonstrate the ability of the MISR Research Aerosol Retrieval algorithm to evaluate the aerosol properties of volcanic plumes. The lack of in situ data for comparison is regrettable, but available sources have been included and qualitative agreement well documented.

This study is well done. I recommend it for publication with only very minor suggestions.

Specific Comments:

As this study has been submitted to a special issue related to climate studies, some

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discussion directly relating these observations to climate studies would be appropriate.

The authors note that their satellite images provide snapshots across both space and time. I would suggest including a measure of distance on the figures and perhaps one of approximate time from emission using local wind speeds.

Technical corrections:

Pg. 17946 L20, “we,” is repeated twice.

Table 1 – The significance of bolded dates is not given.

Table 2 – AOT is not defined.

Figure 1d – Inset is absent.

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Interactive comment on Atmos. Chem. Phys. Discuss., 12, 17943, 2012.