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# *Interactive comment on* "A mask-state algorithm to accelerate volcanic ash data assimilation" *by* Guangliang Fu et al.

**Guangliang Fu et al.**

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Dear Dr. Kerkweg (Executive Editor),

Thank you for pointing out the problem. We have changed the title to "A mask-state algorithm to accelerate volcanic ash data assimilation: a case study with the LOTOS-EUROS model (version 1.10)".

In addition, we have added the related information in Section 2: "To simulate a volcanic ash plume, an atmospheric transport model is needed. In this paper, the LOTOS-EUROS (abbreviation of LOng Term Ozone Simulation – EURopean Operational Smog) model is used (Schaap et al., 2008) with model version 1.10 (http://www.lotos-euros.nl/). The LOTOS-EUROS model (Schaap et al., 2008) is an operational model focusing on nitrogen oxides, ozone, particular matter, volcanic ash."



Printer-friendly version

Discussion paper

The changed manuscript is attached.

Best Regards, Guangliang Fu on behalf of all co-authors

Please also note the supplement to this comment:
http://www.geosci-model-dev-discuss.net/gmd-2016-208/gmd-2016-208-AC1-supplement.pdf

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