

Interactive comment on “Determination of time- and height-resolved volcanic ash emissions for quantitative ash dispersion modeling: the 2010 Eyjafjallajökull eruption” by A. Stohl et al.

Anonymous Referee #2

Received and published: 1 April 2011

Very good paper.

1. Abstract mentions ‘air space closures and for real-time quantitative estimations’. Consider making this “near” real-time (and in conclusions) and explain in body the run-time issues.
2. There is little quantitative measurement data available for most volcanic eruptions, world-wide. Consider commenting that this process is most useful only for well-sampled (measured) ash clouds.
3. Sec. 2.2 – assumed 10% was fine ash. How was this chosen? For any other given volcano/eruption how would you know to use 2% vs. 10% vs. 40%? How much does

C1408

this matter?

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 5541, 2011.