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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Comment on "Global risk of radioactive fallout after major nuclear reactor accidents" by J. Lelieveld et al. (2012)" *by* J. Lelieveld et al.

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We thank Dr. Ehlermann for his comment.

We agree that a follow up, addressing probabilities of accidents, would be useful. We also recommended this in our original publication. In a follow up study by Christoudias and Lelieveld (2012), Modelling the global atmospheric transport and deposition of radionuclides from the Fukushima Dai-ichi nuclear accident, Atmos. Chem. Phys. Discuss., 12, 24531-24555, we simulate the Fukushima event, and test the results against the Comprehensive Nuclear Test Ban Treaty Organization (CTBTO) global measurement data. The results suggest that Fukushima emitted nearly half of the 137Cs com-

pared to Chernobyl.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 19303, 2012.