

Interactive comment on “Relativistic electron beams above thunderclouds” by M. Füllekrug et al.

M. Füllekrug et al.

eesmf@bath.ac.uk

Received and published: 16 July 2011

Reply to report #2 for manuscript acp-2011-332

We wish to thank the reviewer for the careful reading of the manuscript and the helpful suggestions on how to improve the manuscript.

In particular, we now (1) specify the current density of the electron beam $\sim 3 \times 10^{-3}$ A/m², (2) mention that the lightning peak current is provided by Meteorage, and (3) specify more clearly that the model calculations are based on the continuous flux of high-energy secondary cosmic ray electrons adopted from the seminal paper of Daniel and Stephens which is now referenced.

We adopted all editorial suggestions with minor adjustments and hope that that these changes are thought to be appropriate by the referee.

C6492

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 15551, 2011.

C6493