

Interactive comment on “Using cloud ice flux to parametrise large-scale lightning” by D. L. Finney et al.

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Well written paper

I have three questions:

How would the ice-flux parameterization compare to a similarly formulated mass-flux parameterization? It should be better, but how much better?

Would the CTH scheme perform better if marine flashes were assumed to have the same power dependence as continental flashes, albeit with a smaller constant in front.

Any thoughts as to why separate land/ocean parameterizations are needed even with ice-flux?

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