

## ***Interactive comment on “The magnitude and causes of uncertainty in global model simulations of cloud condensation nuclei” by L. A. Lee et al.***

### **Anonymous Referee #3**

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The authors use a Bayesian approach to better understand the behaviour of an chemistry-climate model with regards to CCN.

This is one of the best applications of Bayesian statistical methods I have seen in climate modelling. The study is well conceived and the conclusions are very clear. The paper is extremely well written and it is hard to even find a minor fault. It is impressive that the analysis told the modellers things about their model that they didn't understand themselves.

I am usually a pretty harsh reviewer so it is very rare for me to say this, but I feel the paper is acceptable in its present format. An excellent paper.

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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 6295, 2013.

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