

## ***Interactive comment on “An empirical model of global climate – Part 2: Implications for future temperature” by N. R. Mascioli et al.***

**Anonymous Referee #1**

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This direction taken in this paper (and the companion) could represent an important advance in understanding of climate change over the past century and into the future. I am sympathetic to the approach and applaud the authors for identifying an important approach.

However, as I detail in the attached review, I find numerous objections in the present manuscript and the underlying calculations such that I cannot recommend the manuscript for publication without substantial revision. These are substantive structural concerns with the approach, and I am afraid, to my thinking, would require redoing the calculations. I am not sure whether such a revised set of calculations would change the conclusions all that much, but I hope I make it clear why such revised calculations are (at least in my mind) essential.

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Please also note the supplement to this comment:  
<http://www.atmos-chem-phys-discuss.net/12/C8225/2012/acpd-12-C8225-2012-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., 12, 23913, 2012.

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