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## ***Interactive comment on “Can we explain the observed methane variability after the Mount Pinatubo eruption?” by N. Bândă et al.***

**N. Bândă et al.**

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Received and published: 2 November 2015

### **Replies to general comments:**

We would like to thank the referee for the positive feedback.

Please note that some small changes were made to Table 1 and Figs. 5 and 6 due to a mistake we found in the implementation of HYMN emissions. The main results and conclusions of the paper are not affected.

### **Replies to technical corrections:**

*p 19121 line 26: "All variables have been averaged with a 12-month running mean..."*

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*all except the AOD (Fig 1a), I presume.*

We also applied a 12-month running mean to the AOD to be consistent with the other variables in Fig. 1.

*p 19127 line 1: "In ORCHIDEE, CH4 emission ...", emissions*

Corrected.

*p 19142 line 5: "Paciffic Ocean", Pacific"*

Corrected.

*p 19142 lines 13-18: can be deleted; nearly identical to what stands at the beginning of appendix A*

We thank the reviewer for pointing this out. Lines 13-18 p 19142 were removed.

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Interactive comment on Atmos. Chem. Phys. Discuss., 15, 19111, 2015.

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