

## ***Interactive comment on “Internal respiration of Amazon tree stems greatly exceeds external CO<sub>2</sub> efflux” by A. Angert et al.***

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This paper provides strong evidence for upward transport of CO<sub>2</sub> in xylem, for the first time in tropical trees. This is important because it means that most previous measurements of stem CO<sub>2</sub> efflux are incorrect, and that the responses of stem CO<sub>2</sub> efflux and, potentially, the forest photosynthesis and productivity to climate changes (e.g: drought and CO<sub>2</sub> levels) could different than currently assumed. The manuscript is generally very well written, the method appears robust, the results are carefully considered and the conclusions are persuasive. I have only very minor comments for changes.

Page 11462, Line 12) Small point, but check the use of commas throughout the manuscript. They sometimes seem to be placed in strange places, as in this line

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Page 11463, Line 23) This should be "closure" not "closer" i assume.

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Interactive comment on Biogeosciences Discuss., 9, 11443, 2012.

**BGD**

9, C3925–C3926, 2012

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