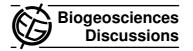
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Interactive Comment

Interactive comment on "Hydrologic control of the oxygen isotope ratio of ecosystem respiration in a semi-arid woodland" by J. H. Shim et al.

Anonymous Referee #3

Received and published: 15 April 2013

This paper presents long-term variations of oxygen isotope composition in relation to hydrologic condition in a semi-arid woodland. This manuscript fits well in the scope of this journal as aspects of explaining variations in the oxygen isotope composition of ecosystem respiration in a semi-arid woodland. Moreover, this study provides on information for long-term monitoring of the connection of oxygen isotope ratios between atmospheric CO2 and wood leafs (Juniperus monosperma). These observations are useful to understand variations of carbon and oxygen circulation to climate change. I believe that this manuscript is comparatively well-written and discussion is well-conducted. Here are some minor revisions and comments:

Specific comments:

1. page 3 line 3: Check a reference "Riley et al. 2003, 2005"

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Interactive Discussion

Discussion Paper



- 2. page 27 line 3, Reference: Sharp, 2005 should be move to the position after Seibt et al., 2006 in p28.
- 3. page 29 line 1, Reference: Whang and Yakir, 1995 should be move to the position after Walker et al. 1988 in p28.
- 4. Discussion and Conclusions: If these results give some information linked carbon cycle, I would suggest that the authors add an implication of that.

Interactive comment on Biogeosciences Discuss., 10, 1, 2013.

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