

Hydrol. Earth Syst. Sci. Discuss., author comment AC3
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Reply on CC3

Ying Zhao and Li Wang

Author comment on "Insights into the isotopic mismatch between bulk soil water and *Salix matsudana* Koidz trunk water from root water stable isotope measurements" by Ying Zhao and Li Wang, Hydrol. Earth Syst. Sci. Discuss.,
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Dear Dr. Zhao,

Thanks for your suggestions. We have carefully considered them and employed best efforts to improve the manuscript accordingly.

Specific comments:

- line 163: there is no "b" in the function (3).

Reply: Thanks for alerting us to this error and we will revise the Ic-excess formula in the next version

- line 274: please specific the "other factors".

Reply: Thanks for your suggestions. In the next version we would like to change our discussion of this issue based on the antecedent precipitation events, as follows:

"Notably, there was a major rainstorm the day before the sampling (August 3), with 63 mm precipitation. The mean GWC in 0-50 and 100-150 cm layers reached $17.4 \pm 2.7\%$ and $10.8 \pm 1.5\%$ between August 4 and August 7, respectively. These results imply that precipitation greatly supplemented water in the upper soil layer. So mobile water collected by suction lysimeters during this period contained a considerable proportion of water from the rain event on August 3. In contrast, bulk soil water contained not only mobile water from this rain event, but also antecedent less mobile water that could not be extracted by a suction lysimeter, resulting in the isotopic separation between mobile water and bulk soil water."