

## ***Interactive comment on “Measuring precipitation with a geolysimeter” by Craig D. Smith et al.***

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This paper seems a useful contribution to the geolysimeter literature. It's just a pity we can't get more geolysimeters set up around the world – perhaps as part of an International Continental Drilling Program initiative.

Just one clarification, however. It is stated in the paper:

“However, the precipitation comparisons done so far have been more qualitative than quantitative due to the spatial separation of the geolysimeter and the measuring precipitation gauges. “

The New Zealand geolysimeter ran for a number of years and in fact the rain gauge was located at the site for the specific purpose of recording precipitation observations that could be applied directly for pore pressure comparisons. Our data indicated that the site could serve at times as a giant rain gauge, with good matching of geolysimeter

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observations to rainfall (Bardsley and Campbell, 2007).

Bardsley and Campbell, 2007. An expression for land surface water storage monitoring using a two-formation geological weighing lysimeter *Journal of Hydrology*, 335, 240-246.

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Interactive comment on *Hydrol. Earth Syst. Sci. Discuss.*, doi:10.5194/hess-2017-174, 2017.

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