

***Interactive comment on “A new approach to accurate validation of remote sensing retrieval of evapotranspiration based on data fusion” by C. Sun et al.***

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In response to the comments by A Thomas:

We are very grateful for your constructive comments. We agree that the ‘ET’ should be clarified both in the abstract and the manuscript.

The ET retrieved from satellite data is the actual evapotranspiration. The PM-model derived ET mentioned in the paper is also the actual evapotranspiration, which is estimated with two steps: 1) Calculate potential evapotranspiration using meteorological input data and the commonly used PET calculation methods (Penman–Monteith method, etc.). 2) Translate potential evapotranspiration into actual evapotranspiration

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using modules and parameters presented in SWAT.

Thank you very much for your consideration. We will revise the manuscript later according to your comments.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 7, 1745, 2010.

**HESD**

7, C89–C90, 2010

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