

Interactive comment on “Some practical notes on the land surface modeling in the Tibetan Plateau” ***by K. Yang et al.***

K. Yang et al.

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1. On line 10, page 1292, the word “recognized” had better changed to “identified”.
Response: Corrected.

2. On line 19, page 1292, “to be” should be inserted before “effective”. Response:
Corrected.

Comment: 3. On line 27, page 1293, “comparing” should be changed as “compared”.
Response: Corrected.

4. On line 17, page 1294, “at two types of sites” should be changed to be “at two sites
with different land covers”. Response: We indeed mean “two types of sites”, and each
type has two sites being included.

5. On line 24, page 1294, “representativeness to” should be changed to “representativeness of”. Response: Corrected.

6. On lines 5 and 11, page 1295, “nearly” should be changed as “almost”. Response: Might be better. Replaced.

7. On lines 20-23, page 1295, “solving” is not properly used. Please correct them.
Response: Corrected.

8. On line 19, page 1301, “dramatically” should be “drastically”.
Response: Replaced.

9. In equation (4), please provide the concrete forms of q_{supply} (how to derive from equation (6)) and r_{heq} to help the reader to understand this parameterization.

Response: We have revised this section, and given clear definitions.

10. On line 25-28, page 1303, please point out the role of the ground heat flux in your explanation because it is an important component in the land surface energy budget.

Response: This is a good comment; we added one panel (panel c) in Figure 12 to show the soil heat flux. We have added text to read “Meanwhile, the lower surface temperature would directly result in lower ground soil heat fluxes, which are also consistent with the higher sensible heat fluxes.” (P14, L17-19)

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 1291, 2009.

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Interactive Discussion

Discussion Paper