

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.

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5. On line 24, page 1294, “representativeness to” should be changed to “representa-
tiveness 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 tem-
perature 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.