

Interactive comment on “Numerical study of surface energy partitioning on the Tibetan Plateau: comparative analysis of two biosphere models” by J. Hong and J. Kim

Anonymous Referee #1

Received and published: 24 January 2010

GENERAL COMMENTS:

This manuscript is a well-written, clear, and concise manuscript describing the surface energy partitioning on the Tibetan Plateau through comparative analysis of two biosphere models constrained by the in-situ observation data. The topic is generally suitable for BG. Described analytical evidence may be rare in this region and noteworthy for the BG scientists to assess surface energy partitioning estimation or understand the land-atmosphere interaction processes on the region.

SPECIFIC COMMENTS:

For accurate modeling of SEB including seasonal march of the summer monsoon and
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the soil hydrology over the plateau, what kind of approaches should be done in future, especially relating ^{18}O stable isotope observation and estimation of damping depth in the soil surface layer ?

Interactive comment on Biogeosciences Discuss., 6, 10849, 2009.