Nat. Hazards Earth Syst. Sci. Discuss., 3, C740–C741, 2015
www.nat-hazards-earth-syst-sci-discuss.net/3/C740/2015/

Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Why the 2014 Ludian, Yunnan, China M_S 6.5 earthquake triggered an unusually large landslide?" *by* Z. F. Chang et al.

Anonymous Referee #1

Received and published: 22 May 2015

Dear Authors,

I think the replies of answer 1 to 5 are sufficient, but further comment is needed for answer 6.

As is shown in figure 14, the stability analysis shows that existed sliding block (case A) and automatically searched sliding block (case B) are different.

There is no logical necessity that the sliding block with the smallest Fs is most likely to collapse.

There is a logical gap to assume the scale of landslide would be smaller if there was no existing slide plane.

The authors should note that it may collapse at any block whose Fs is smaller than 1.0.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 367, 2015.