

## ***Interactive comment on “Glacier lake outburst floods of the Guangxieco Lake in 1988 in Tibet, China” by J. J. Liu et al.***

**Anonymous Referee #2**

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The review results are as follows:

1. The whole pages: The discussion requires photos, schematic figures, graphs, tables and equations. The discussion is too simple, because there are no schematic figures or equations. Schematic figures and equations are also important for the discussion. 2. Page 4614 to 4616: There are no figures of the longitudinal and the cross sectional profiles of the Midui valley. The discussion of discharge requires the profiles of the Midui valley. 3. Page 4615: The method of the estimate of peak discharge is not described. What equation is used for the estimate of peak discharge? 4. Fig. 6: The method of the estimate of time variation in discharge is not described. How do the authors determine time variation in discharge? 5. Page 4615 to 4616: The authors discuss the change in flood types along the Midui valley. This is important, because

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the result is also described in Abstract and Conclusions. However the definition of the flood types is not explained in detail. The definition of sediment-laden flow, non-viscous debris flow, and viscous debris flow should be described. 6. Page 4615 to 4616: The discussion of the flood types requires the information of sediment concentration and sediment particle size in flow. However the authors describe sediment particle size only and do not describe sediment concentration. The discussion of sediment concentration is needed. 7. Fig. 8: Is the horizontal axis in log scale or in different scale? Its explanation is needed.

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