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Comment

Interactive comment on “Processes governing the mass balance of Chhota Shigri Glacier (Western Himalaya, India) assessed by point-scale surface energy balance measurements” by M. F. Azam et al.

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I briefly comment on the effect of summer monsoon precipitation on glacier mass balance through changing surface albedo. Importance of phase of precipitation (snow or rain) during melting season has been pointed out since more than 10 years ago. Fujita and Ageta (2000) firstly demonstrated that the effect of summer-monsoon on mass balance of a Tibetan glacier by an energy mass balance model. Fujita (2008a, 2008b) evaluated an effect of precipitation seasonality on glacier mass balance using conceptual input variables. In particular, Fujita (2008a) conducted detailed analysis

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about changing components of energy budget associated with precipitation seasonality. I request for the authors of this manuscript to cite and discuss these previous studies appropriately.

Although it was clearly addressed that Chhota Shigri Glacier is a winter-accumulation type glacier (P2877), I suppose that the frequent use of "summer monsoon" would mislead readers as if this glacier was significantly affected by the Indian Summer Monsoon.

References

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Fujita K (2008a) Influence of precipitation seasonality on glacier mass balance and its sensitivity to climate change. *Annals of Glaciology*, 48, 88-92. doi:10.3189/172756408784700824.

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