

## ***Interactive comment on “Weak precipitation, warm winters and springs impact glaciers of south slopes of Mt. Everest (central Himalaya) in the last two decades (1994–2013)” by F. Salerno et al.***

### **Anonymous Referee #1**

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The paper deals with an investigation of temperature and precipitation trends in the south slopes of Mt Everest in the last two decades. In particular the paper considers how the changes in temperature and precipitation have affected the glaciers size. The paper is well written and presents unique data collected in the Region. If think that in the paper it should be better specified what the authors mean for high and low elevation, since these are concepts which depends strongly on the geographical context. Moreover I think it should be better specified (because the data come from different networks) what are the characteristics of sensors used and how the functioning of sensors is periodically certified. Moreover I think it should be better underlined that this paper deals only with liquid precipitation, without taking into consideration the

snowfall, that in the area in particular at elevations greater than 5000 m asl could be considerable, in association with tropical cyclones and westerly disturbances. Some specific issues are reported directly as comments in the attached pdf file.

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/8/C2870/2015/tcd-8-C2870-2015-supplement.zip>

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Interactive comment on The Cryosphere Discuss., 8, 5911, 2014.

## TCD

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C2871