

Interactive comment on “Ideal climatic variables for the present-day geometry of the Gregoriev Glacier, Inner Tien Shan, Kyrgyzstan, derived from GPS data and energy-mass balance measurements” by K. Fujita et al.

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I will specify "single frequency receivers" for the all measurements and the version of GrafNav/GrafNet (6.03a). I will delete makers and models of our receivers. I will mention at first "relative carrier phase GPS" and then use "GPS" throughout the manuscript. We determined our "measurement error" by repeat measurements of several benchmarks in the Bhutan and Nepal Himalayas (Fujita et al., 2008, 2009). This is described in the Discussion paper (859/24-26). We excluded data with error (software output) larger than 1 m (both in horizontal and vertical) then the average of "formal error of

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kinematic measurement" is 0.21 m. The "formal error of static measurement" is smaller than 0.01 m. I will rewrite this part more clearly.

Interactive comment on The Cryosphere Discuss., 5, 855, 2011.