

***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 generally support the authors in specifying detail in the GPS collection and analysis. Very often this is too sparsely described in glaciology papers. I do think that some information is missing, however. specify if it is dual frequency or single frequency. I then think the actual receiver make and model is probably unnecessary. Give version of GrafNav. The term "DGPS" is ambiguous as in some settings it is used only for pseduorange positioning. I'd go with "relative carrier phase GPS" instead. You need some information on uncertainties on the measurements - the formal errors from the

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software will be useless in an absolute sense, but useful for detecting points that are poorly determined relative to the others.

no comments on the wider document.

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

TCD

5, C532–C533, 2011

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