

## ***Interactive comment on “Statistical framework for estimating GNSS bias” by J. Vierinen et.al.***

### **Anonymous Referee #1**

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The authors presented a new statistical framework to estimate GNSS receiver bias in the paper. The comparison with existing MIT TEC processing algorithm shows that the new method performs better. The proposed method should be useful to the community. I have several suggestions for the authors.

1, It would be good to have several sentences to describe how the current MAPGPS estimate the receiver bias. 2, In my personal opinion, the proposed method is very useful on estimating the GLONASS receiver bias, since for the same GLONASS receiver, the bias is different from different GLONASS satellites signal. It could be used to process GPS/GLONASS data in a consistent way. The authors should emphasize this point. 3, In Figure 6, the new method processed TEC has much better coverage in east Asia region. Is this really due to the method difference? I suppose it is due to some problems in MAPGPS because it seems lots of data in east Asia are not processed.

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Interactive comment on Atmos. Meas. Tech. Discuss., 8, 9373, 2015.

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