

The manuscript presents results of GPS satellite and receiver differential code bias using multi-stations. For this study authors have used the weighted least square to estimate satellite and receiver DCBs. However, this software is similar to the software of Jin et al. (2012), which is only to use the algorithm of weighted least square. Generally, the paper is not sufficiently innovative.

Other comments as follow:

1. The model of spherical harmonic function is key to calculate the DCBs. However, the order of spherical harmonic function is very important. How many is the order in this paper? The authors should express clearly in the article.
2. What is the time required to calculate the DCBs of multi stations? For example, 20 stations and 30 stations.
3. In the section of experiment, it is important to select more stations for comparative analysis.