

## Author's response

**Topical Editor Decision: Publish as is** (03 Feb 2020) by Prasad Gogineni

Comments to the Author:

The main concern of one of the reviewers is that the method presented is a case study of the geometric accuracy assessment of a single satellite image data. The authors have included the following statement their work and limitation.

"Although this assessment was only conducted for a single scene of each satellite, the highly variable ROIs take the influential factors of geometric accuracy well into account. Therefore, the presented conclusions are transferable to other regions or seasons. However, it is noteworthy that this method is not applicable to homogeneous surface (e.g., water, desert), where the correlations are almost the same in any simulated displacement cases."

They addressed reviewers' comments and suggestions, and improved the paper.

I recommend the publication of the paper.

Re: We would like to thank the editors for all you have done on the manuscript. And we also thank the reviewers here for providing so many valuable suggestions as they are very helpful for us to improve this paper's quality.

We have made a very thorough check of the final accepted manuscript and revised the spelling error in **Line 511**: "*latitude*" has been revised as "*longitude*".