

Egusphere-2025-2563-manuscript-version 2

I would like to thank the three reviewers for their dedication in giving comments and suggestions to improve the quality of this manuscript.

The authors have improved the quality of the manuscript by attending successfully to comments and suggestions from reviewers. However, there are minor comments and suggestions for the readability of the manuscript to be attended to before the publication.

Spelling mistakes

Line 25: Replace "horizonal" with "horizontal".

Suggestions

Line 83: Replace "..., a precise GNSS observation is hardly available right at that location. So is hardly possible right at the azimuth mark." with "..., a precise GNSS observation is hardly possible right at that location and at the azimuth mark."

Line 94: Caption of Figure 1 has words in brackets that are not very clear. The area of the observations at Kakioka (**Posted with data of points appended to the GSI Tiles**). The words in brackets may be rephrased and/or expanded to inform the reader with clarity. GSI Tiles are not defined.

Line 104: Replace "the distance of points" with "the distance between points".

Line 2014: Replace "the number of receiving satellite signals changes" with "the number of satellites receiving signals changes".

Line 126: Replace "a total station (Trimble M3)" with "a Trimble M3 total station".

Line 132: Figure 5 shows two instruments. It would be more informative if these two instruments were specified with their names in the caption (e.g., A on the left and B on the right).

Line 136: Replace " β_1 and β_2 " with " β_1 at point B and β_2 at point C".

Line 162: Replace "Measurement" with "The measurement".

Line 195: Check the use of em dashes, a single em dash might be grammatically correct.

Line 202: Replace "arcsecond" with "arcseconds".

Line 203: Replace "A significant difference of about 10 arcseconds is revealed between those resulting from the two methods" with "A significant difference of about 10 arcseconds is revealed between the two methods".

Line 206: Replace "absolute" with "absolutely".

Line 208: Replace "to GNSS" with "to the GNSS method".

Line 217: Replace "mode" with "modes".