Response to Reviewer 2 Comments

The paper considers a tree map building process using backpack LiDAR scanning. The area is large, as large as another recent study (8-10 ha). The scanning path resembles the work patterns occurring in the modern forestry. Technology and methodology does not yet reach to as accurate DBH measurement as practise requires, but this is the level of research on producing large area tree maps in general.

Two aspects are excellent:

integrity of PC, which is a nice geometrical measure of the scan quality

Fig. 3, which clearly presents a set of the contributors to the DBH error

I suggest a further study with the acquired data where you try to add consistency to the overlapping zones of separate scans by using possible systematic features contained within the match error. This would be a machine learning problem similar to separating the signal and error.

Reply: Thank you for your recognition and support of this study. We are willing to adopt your suggestions in future studies, conduct further research on the acquired data.