

Responses to Referee 3

Your valuable comments and suggestions are greatly appreciated. We revised the manuscript accordingly and our responses are indicated below. The revised sentence and equation are in red color.

Comment 1: P 5024: I don't think that the author need to mention the numbers of the C parameters because different authors report different numbers.

Response: We revised the first sentence of the Introduction (Page 5024 Lines 24–25) as follows: “Forests contain much carbon (C) in vegetation and soils, and play an important role in the global C cycle (Dixon et al., 1994; Pan et al., 2011).”

Comment 2: P 5028, line 14: Fine roots : foliage ratio $0.0016 \text{ Stand age} + 0.0012$ ($r^2 = 0.67$). The equation is not clear.

Response: We clarified and corrected the equation as follows: “ $\text{Fine roots} / \text{Foliage} = 0.0016 \times \text{Stand age} + 0.1012$ ($r^2 = 0.67$)”

Comment 3: P 5035, L23: delete “In summary,”

Response: Unnecessary wording “In summary,” was deleted.