

## **Response to comments from Anonymous Reviewer #2**

**[Comment 1]** *Although the authors provided very nice figures in the paper to illustrate carbon budget estimates based on different methods, a summary table that put numbers side to side might be useful and revealing (refer to Pacala et al. 2001).*

**[Response]** Following your suggestion, we now supplied a summary table providing carbon budget estimates based on different methods (Table S2). Thanks for your suggestion.

**[Comment 2]** *I think this study should include supplementary materials to include data tables that are based on results of different methods and models, and provide more details about methods and procedures in calculating average numbers and uncertainties. This will make this work more transparent and also provide useful information for other researchers who are interested in carbon study of the region.*

**[Response]** Following your suggestion, we now provide details of the empirical methods (Text S1), process model estimates (Table 1) and individual inversion model estimates (Table 2) used in calculating the average and uncertainties. Thanks for your suggestion.