

We have provided a point-by-point description of the changes to the m/s in our responses to reviewers (see [AC1](#), [AC2](#), and [AC3](#)).

On top of the changes outlined in these responses, we have also updated the m/s as follows:

1. Updated affiliations for several co-authors.
2. Included additional details regarding the field sites sampled in the Methods section, and refined our definition for 'forests' and 'savannas'.
3. Re-run our analysis to better reflect the new 'forest' and 'savanna' categories, as well as to account for different-sized field sites.
4. Updated Table A1 with additional site-specific information, and added figures A6 and A7 to address concerns regarding our limited datasets brought up by Reviewer 2.
5. Corrected mistakes and made grammatical improvements throughout.

We would also like to address the formatting issue in our r1 and r2 equations in our response to AC1. The r1 equation should instead be:

$$GCF(C) = k \times C^{1-p}$$

And r2 should instead be:

$$\text{logit}(VCF^p/k) = C_0 + \Delta \times \log(C^{r_1}/(1 - C^{r_2}))$$

When  $p < 1$ , the GCF decreases with decreasing tree cover.

We have included a copy of the manuscript with track changes.

Please let us know if any more information is required.

Thanks

Rahayu Adzhar on behalf of co-authors