

Responses to reviewer comments

We thank the referee for the positive comments. The two specific comments are addressed below.

- L185
I would replace wording “concentrations” by “mixing ratios”. This is what you need in the following

Done

- L360
After point 5 I would expect something like: By varying K and the source coordinates ypTR and ypNA, the best fit of the tropical and NA spectra will be determined.

The determination of K, ypTR and ypNA are actually found in the optimization listed as Step 4. We have added those specific terms in that step following the phrase ‘transport parameters’.