Since the original submission, we’ve revised the manuscript significantly based on comments from the AMT editors and to reflect the fact that the second part of the paper is submitted to AMT (amt-2021-227). The manuscript preprint is updated to the latest version. Major changes include the revision of the abstract and summary sections. Section 5 is now merged into the Summary and Discussion section. Figures 12, 13, 15, 16, 18, and 19 in section 4 are updated. Our apologies for any inconvenience.