To the editor,

Below is our response to the final comment from the anonymous reviewers.

*One little problem remains, however: The y-axis label of Figs. 4, 5, 7 and 8 is still "Tangent height" and this is not correct in my opinion. "Tangent height" refers to the "observation height" (for lack of a better word) of the limb-scatter measurements. OMPS-LP measures limb radiances as a function of tangent height and from that you retrieve aerosol extinction as a function of "altitude" or "height". The actual vertical extinction profile is independent of the limb measurements, so why should its vertical coordinate be "tangent height"?*

We note that while the true vertical extinction profile is independent of the limb measurements, our retrieved vertical extinction profile is dependent on the limb measurements, specifically how they are processed from the Level 0 data to the Level 1 gridded radiance product, meaning our retrieved profile is ultimately a function of the assumed tangent heights of the limb measurements. Despite this, we have chosen to update the mentioned figures to say "Altitude" rather than "Tangent height" because it is a minor distinction and it brings these figures into consistency with the labeling used in Fig. 1.

*Figs. 4, 5, 7, and 8 have been updated to show "Altitude" as the y-axis label, as requested.*