**Interactive comment on** “MODIS 3 km aerosol product: applications over land in an urban/suburban region” by L. A. Munchak et al.

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Response to Reviewer #1:
We thank the reviewer for his or her helpful comments. We have changed the text accordingly:

P1689 L5: “five minute sections”. Is this “minute” as it time, or “minute” as in “degrees, minutes seconds?”
We have clarified that MODIS granules are 5 minute time length

Section 3.3: The authors never explicitly state that the Lidar is on the plane.

P1694 L15: “retrieved exactly”. Exactly?
Fair assessment. We have changed ‘retrieved exactly’ to ‘more accurately retrieved’.

P1695 L22: “suburbam”
Fixed. Thank you.

P1698 L27: “u” instead of a mu in micrometers
Fixed. Thank you.

We also wish to mention that the version of the MODIS algorithm used to create the discussion paper changed in between the publication of the discussion paper, and this response. Accordingly, we have updated all the figures and numbers in the paper to reflect the updates. The code used to generate the granules in this revised version of the paper is the frozen, final Collection 6 code.