

Interactive comment on “Probing into the aging dynamics of biomass burning aerosol by using satellite measurements of aerosol optical depth and carbon monoxide” by Igor B. Konovalov et al.

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I thank the authors for the follow-up here. It is good that the Collection 5/6 difference does not appear to be too large for this specific application. If feasible I would personally encourage repetition with the latest version anyway (if the data volume is smaller in Collection 6 than Collection 5 that probably means there were some problematic issues in the Collection 5 pixels which are missing, which resulted in their removal from Collection 6). However I can certainly understand that analyses cannot be repeated overnight.

I wanted to add one note for the future, regarding Giovanni. Giovanni is primarily a visualisation service and not the main official distribution source for MODIS aerosol

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or other data products. It typically lags behind the official sources by up to a few years in terms of ingesting newer versions of satellite products (as noted the MODIS Collection 6 for Aqua became available in 2013 - I am not sure when Giovanni made the update), and is not maintained by the science teams responsible for algorithm development/validation.

So for future analyses, we always strongly encourage users to go to the official Distributed Active Archive Centers (DAACs) for NASA data products, which in the case of MODIS aerosols is the LAADS (<https://ladsweb.nascom.nasa.gov/>). This ensures that they are using the latest versions of data products, and have access to the latest documentation about them.

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