

Interactive comment on “Testing aerosol properties in MODIS (MOD04/MYD04) Collection 4 and 5 using airborne sunphotometer observations in INTEX-B/MILAGRO” by J. Redemann et al.

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by S. Madronich (guest editor) in lieu of Referee #2

The manuscript provides an important evaluation of satellite-derived (MODIS) aerosol optical depth and fine fraction, by comparisons with measurements by an air-borne 14-wavelength photometer and (for the fine fraction) in-situ measurements of size-resolved extinction. The comparisons are made mostly over the ocean which simplifies accounting for surface reflections. The manuscript is concise and the results are presented clearly. The manuscript is suitable for publication in the ACP special issue on the MILAGRO/INTEX-B campaign. My only suggestion is to improve the title, which

now has too many acronyms - some of which are known only to highly specialized researchers. Specifically, MOD04/MYD04 are mentioned (but not defined) on p. 11765, and certainly are not useful in the title.

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