

Interactive comment on “Exploring systematic offsets between aerosol products from the two MODIS sensors” by Robert C. Levy et al.

P. Kolmonen (Referee)

pekka.kolmonen@fmi.fi

Received and published: 20 April 2018

The manuscript describes work that has been continued to understand and mitigate the existing bias between the two MODIS instruments. Some improvement has been achieved by applying the methods described in the manuscript. In addition, simulated aerosol fields were used to find evidence that the bias is not connected to the diurnal cycle of aerosol conditions.

While the scientific significance of the presented work is not at the highest level, the publication of the manuscript is very important for the vast community exploiting the MODIS aerosol data for further research.

The manuscript follows good scientific practice and is written in fluent and easily un-

Printer-friendly version

Discussion paper



derstandable English.

Minor comments:

Has the impact of the measurement geometry (before noon - afternoon) been studied? If so, could the authors, please, provide short description in the manuscript and/or a reference.

Could the authors explain the difference in the number of collocations between the instruments in table 1.

Errors/typos:

Page 15, line 20: There is an extra "has" word or the word order is wrong.

Figure 3, caption: Is the "fractional difference" meant to be "relative difference"?

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2018-39, 2018.

AMTD

[Interactive
comment](#)

[Printer-friendly version](#)

[Discussion paper](#)

