

Interactive comment on “Evaluation of IASI derived dust aerosols characteristics over the tropical belt” by V. Capelle et al.

YB Balkanski (Editor)

yves.balkanski@lsce.ipsl.fr

Received and published: 14 February 2014

The major points raised by the reviewers that will need to be addressed are listed below:

- Provide an evaluation of the AOD bias.

Answer the following remarks from the reviewers:

- " - As I understand it, the evaluated IASI AOD is corrected by multiplying multi-annual ratios of IASI (far-IR) AOD to AERONET(vis) AOD. "

- " - What is the IASI AOD, if there is no AERONET station to scale to? "

C12222

- " - Then there are these very coarse scales (monthly and $1.5^{\circ} \times 1.5^{\circ}$), which brings up contaminating issue with regional representivity or averaging. "

- " - Issue of daily data, which via more numerous samples would be also more meaningful."

- " - Use of correlations to demonstrate skill without really looking into the meaning of such correlations. "

- " - When a satellite product is evaluated, then answers are expected for data coverage and data accuracy, where the accuracy should address bias, spatial and temporal variability."

Yves Balkanski

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 30143, 2013.

C12223