

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

**YB Balkanski (Editor)**

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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? "

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" - 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

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

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