

Interactive
Comment

Interactive comment on “Effects of sea surface winds on marine aerosols characteristics and impacts on longwave radiative forcing over the Arabian Sea” by Vijayakumar S. Nair et al.

Anonymous Referee #2

Received and published: 25 September 2008

Review of the paper “Longwave aerosol radiative forcing over the Arabian Sea” by Vijayakumar S. Nair et al. [Atmos. Chem. Phys. Discuss., 8, 15855–15899, 2008].

The paper presents description of the data collection and analysis of the optical and in-situ aerosol measurements over Arabian Sea.

The subject is appropriate for Atmospheric Chemistry and Physics. However the paper should be improved in order to be accepted. My general recommendation is as follows: Major revisions.

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I would consider three weeks of measurements in the poorly studied region as a reason for writing a paper. I think the paper has a potential, the results are presented in the easy to read and simple way. However I would expect the authors to make some changes before the paper can be accepted for publication.

My major objection is associated with the analysis on wind speed dependence. This part should be omitted because the wind range is very narrow, aerosol optical depth is too high to detect any sea-salt inputs as a function of low wind speed. I do not see any usefulness of that analysis based on this very limited in any sense data set.

The last part of the paper should be changed accordingly.

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 15855, 2008.

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