

## ***Interactive comment on “Remote sensing and modeling analysis of the extreme dust storm hitting Middle East and Eastern Mediterranean in September 2015” by Stavros Solomos et al.***

**Stavros Solomos et al.**

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Thanks for your comment. The following sentences have been added at the conclusions section in the revised manuscript: “The key for forecasting these events in atmospheric models is the use of cloud resolving grid space. Forthcoming studies using an extended high-resolution grid over the entire Middle-East (e.g. Gasch et al., 2017) could provide more detail on the specific atmospheric processes during this episode”.

The highest AOD values in the simulations are at the range 10-15. Extreme values > 20 are found over a few model grid points over the sources and due to the accumulation and overlapping of multiple dust layers. Such values are probably unrealistic; however the specific episode has indeed extraordinary characteristics.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/acp-2016-1006/acp-2016-1006-AC3-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2016-1006, 2016.

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