

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.

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Dear colleagues,

I would like to draw your attention to our recently submitted manuscript. We simulated and analysed the same September 2015 event at convection permitting resolution with ICON-ART. Our results show a substantially different sequence of event stages compared to your findings. We are able to identify three consecutive cold pool outflows from two meso-scale convective systems, a finding which is confirmed by satellite observations. Furthermore, we think that an aerosol optical depth greater than 25, as it is visible in parts of your model domain, is unrealistic in both its magnitude as well as spatial distribution. You can find our work and explanations at

C1

<http://www.atmos-chem-phys-discuss.net/acp-2017-11/>

We hope this information will contribute to the further understanding of the event.

Best regards, Philipp Gasch

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