Atmospheric
Chemistry
and Physics

Supplement of

Profiling of aerosol microphysical properties at several EARLINET/AERONET sites during the July 2012 ChArMEx/EMEP campaign

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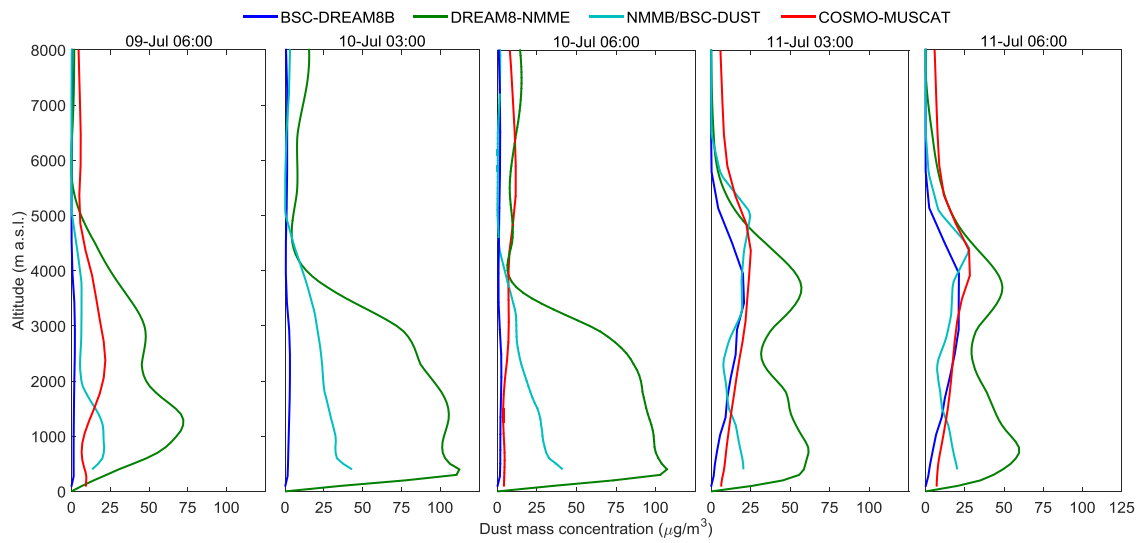
Supplementary material:

Figure S1. Dust mass concentration profiles forecast by BSC-DREAM8b-v2, DREAM8-NMME, NMMB/BSC-Dust and COSMO-MUSCAT at Athens in the period 9 July 2012-11 July 2012. Only those data coincident with AERONET inversion retrievals (± 3 hours) has been presented here.
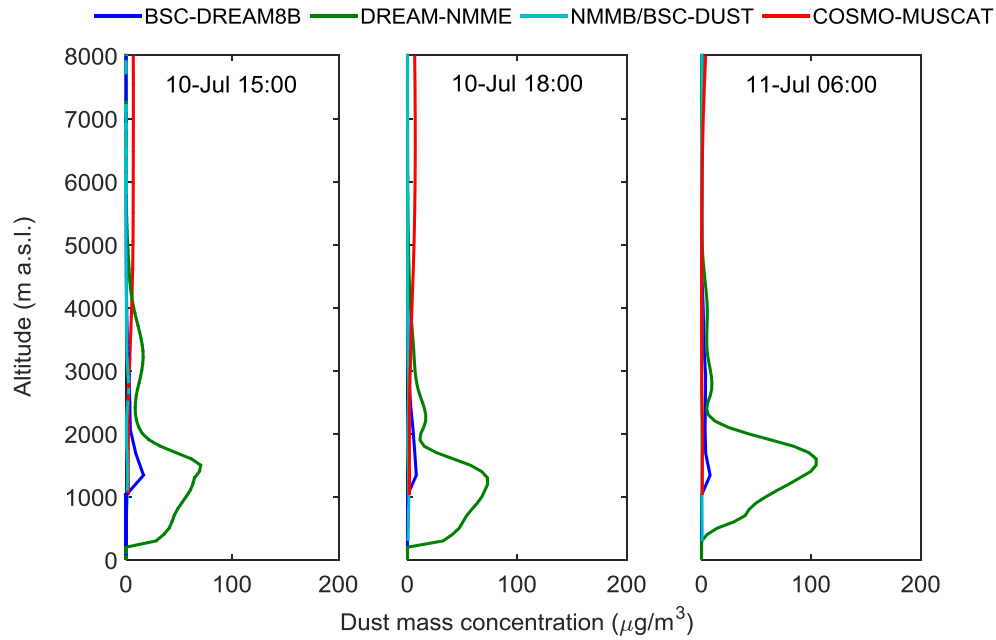
Figure S2. Dust mass concentration profiles forecast by BSC-DREAM8b-v2, DREAM8-NMME, DREAMABOL and NMMB/BSC-Dust at Barcelona in the period 9 July 2012-11 July 2012. Only those data coincident with AERONET inversion retrievals (± 3 hours) has been presented here.
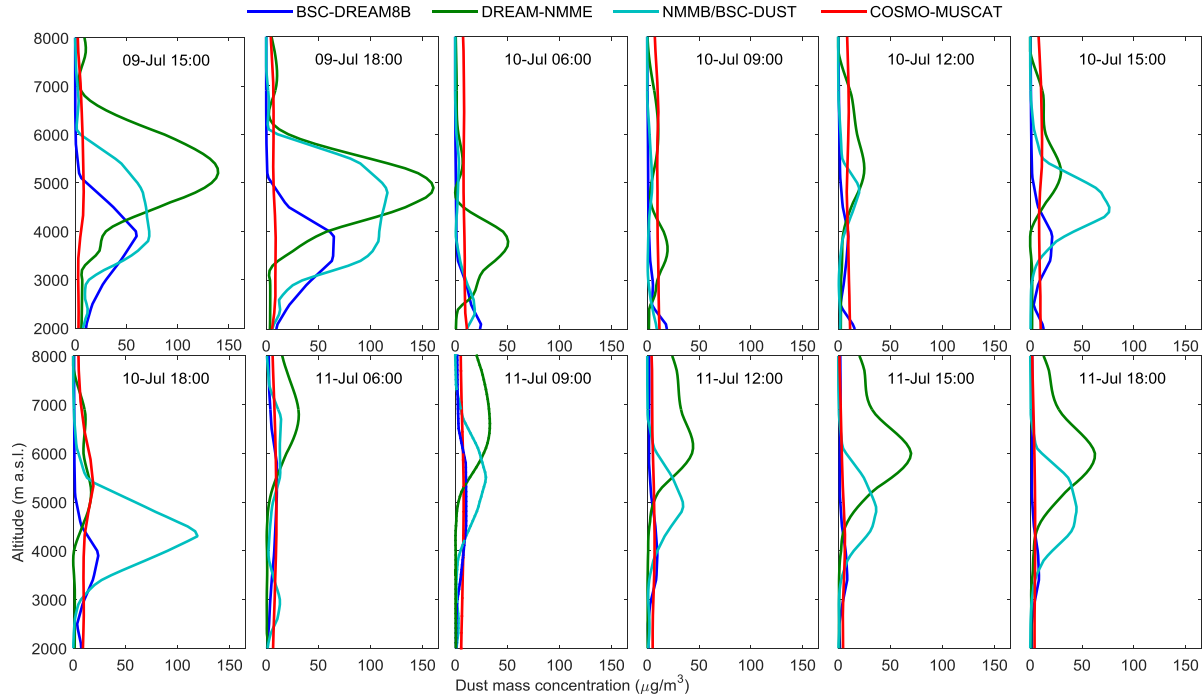
Figure S3. Dust mass concentration profiles forecast by BSC-DREAM8b-v2, DREAM8-NMME, NMMB/BSC-Dust and COSMO-MUSCAT at Bucharest in the period 9 July 2012-11 July 2012. Only those data coincident with AERONET inversion retrievals (± 3 hours) has been presented here.
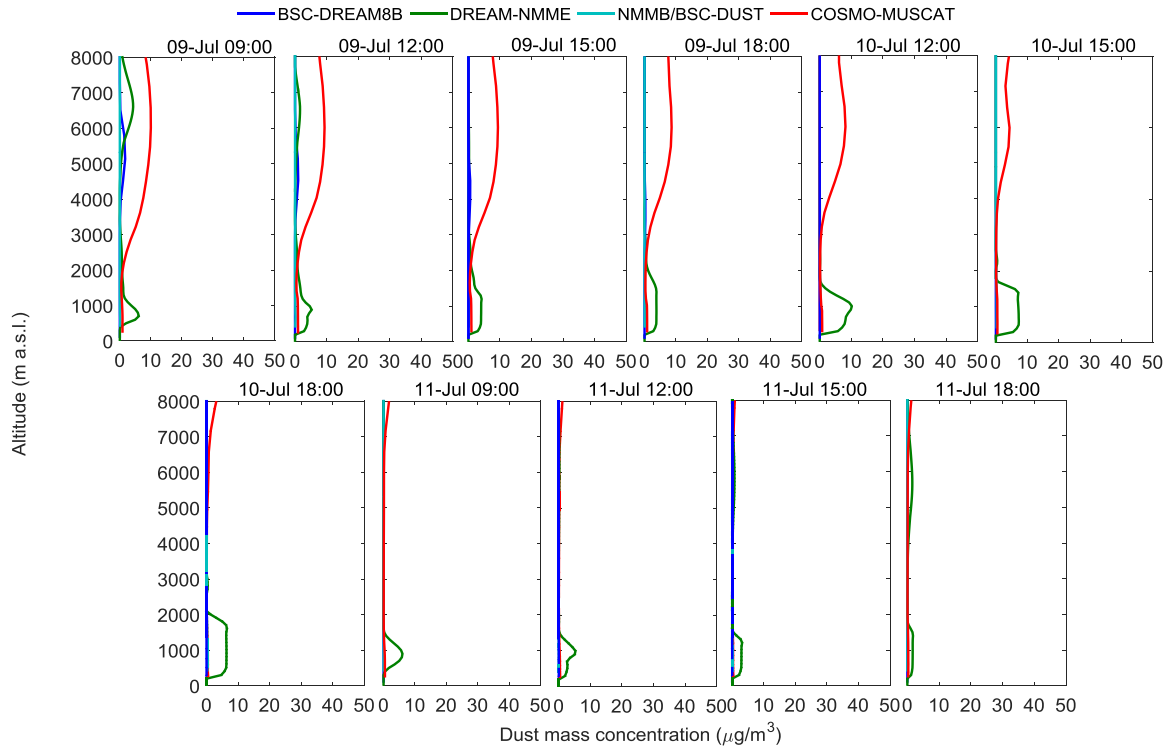
Figure S4. Dust mass concentration profiles forecast by BSC-DREAM8b-v2, DREAM8-NMME, NMMB/BSC-Dust and COSMO-MUSCAT at Évora in the period 9 July 2012-11 July 2012. Only those data coincident with AERONET inversion retrievals (± 3 hours) has been presented here.
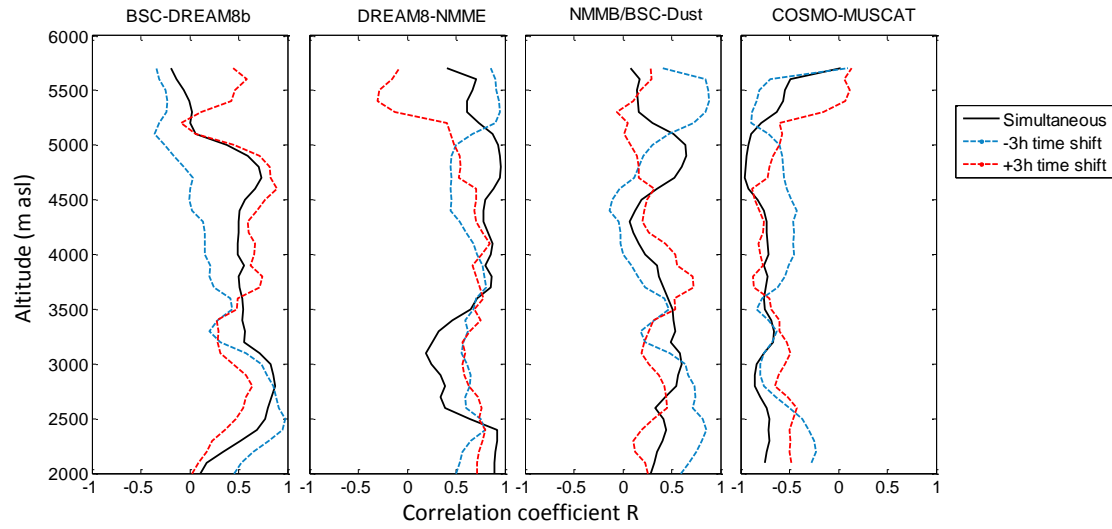
Figure S5. Correlation coefficient R between simultaneous LIRIC and modelled time series (solid black lines) for every altitude level. Dashed lines represent R values obtained for the modelled time series and LIRIC time series with a time shift of plus (red line) and minus (blue line) 3 hours.