Assessment of the radiative effects of aerosols in an on-line coupled model over the Iberian Peninsula: Supplementary Material

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Figure 1: Comparison of AOD₅₅₀ model output vs. AOD₅₅₀ from Aqua-MODIS data for the dust episode. (a) AOD MODIS values. (b) Improvement of MAE due to the inclusion of RF (MAE in RF-NRF simulations). (c) and (d) MBE for NRF and RF simulations, respectively. (e) and (f) correlation coefficient for NRF and RF simulations.

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Figure 2: As Fig. 1 for the fires episode.

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Figure 3: Comparison of AE_{550/860} model output vs. AE at same wavelength from Aqua-MODIS data for the dust episode. (a) AE MODIS values. (b) Improvement of MAE due to the inclusion of RF (MAE in RF-NRF simulations). (c) and (d) MBE for NRF and RF simulations, respectively. (e) and (f) Correlation coefficient for NRF and RF simulations.

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Figure 4: As Fig. 3 for the fires episode.



Figure 5: AERONET data (dots), NRF (line) and RF simulations (dashed line): AOD at different AERONET wavelengths.



Figure 6: AERONET data (dots), NRF (line) and RF simulations (dashed line): AE440/870.