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Supplement of

Implications of dust minerals on radiative transfer at regional scale, using the METAL-WRF model

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Supplement

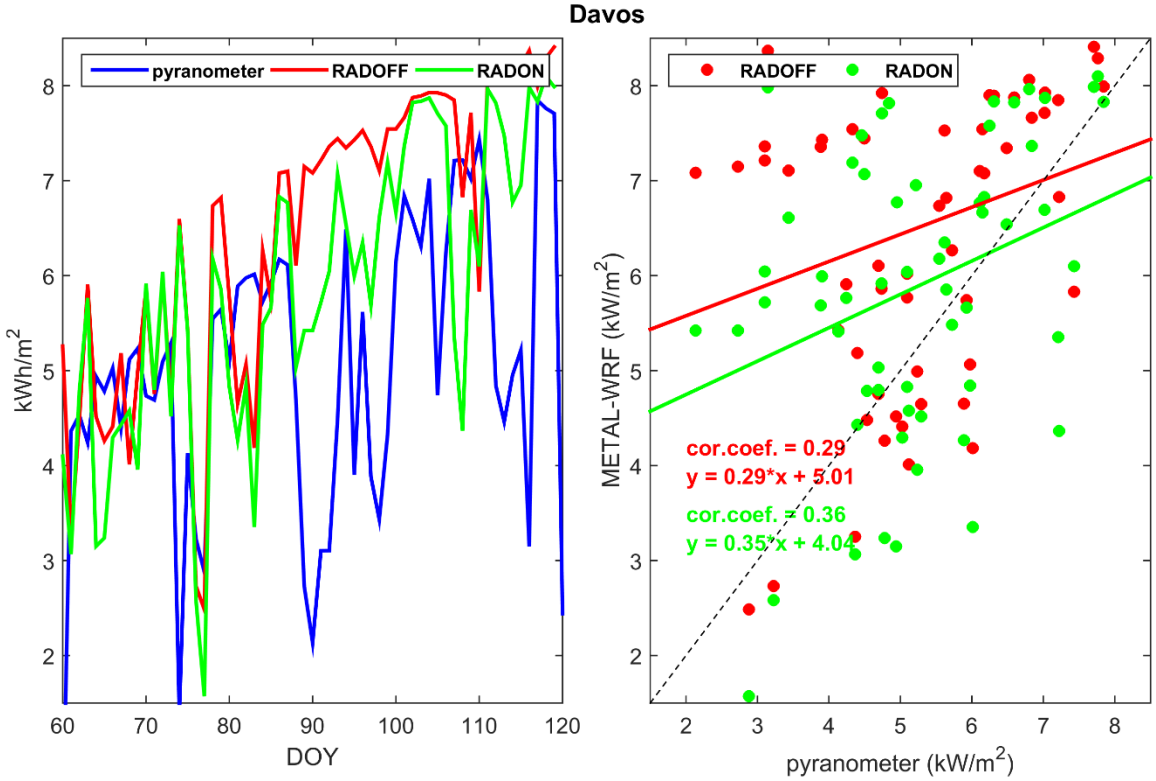


Figure S1. Daily GHI with respect to the day of year (DOY) 0f 2022, as it was calculated from the pyranometer measurements (blue), the METAL-WRF RADOFF (red), and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the model for RADOFF (red) and RADON (green). The results presented are for Davos.

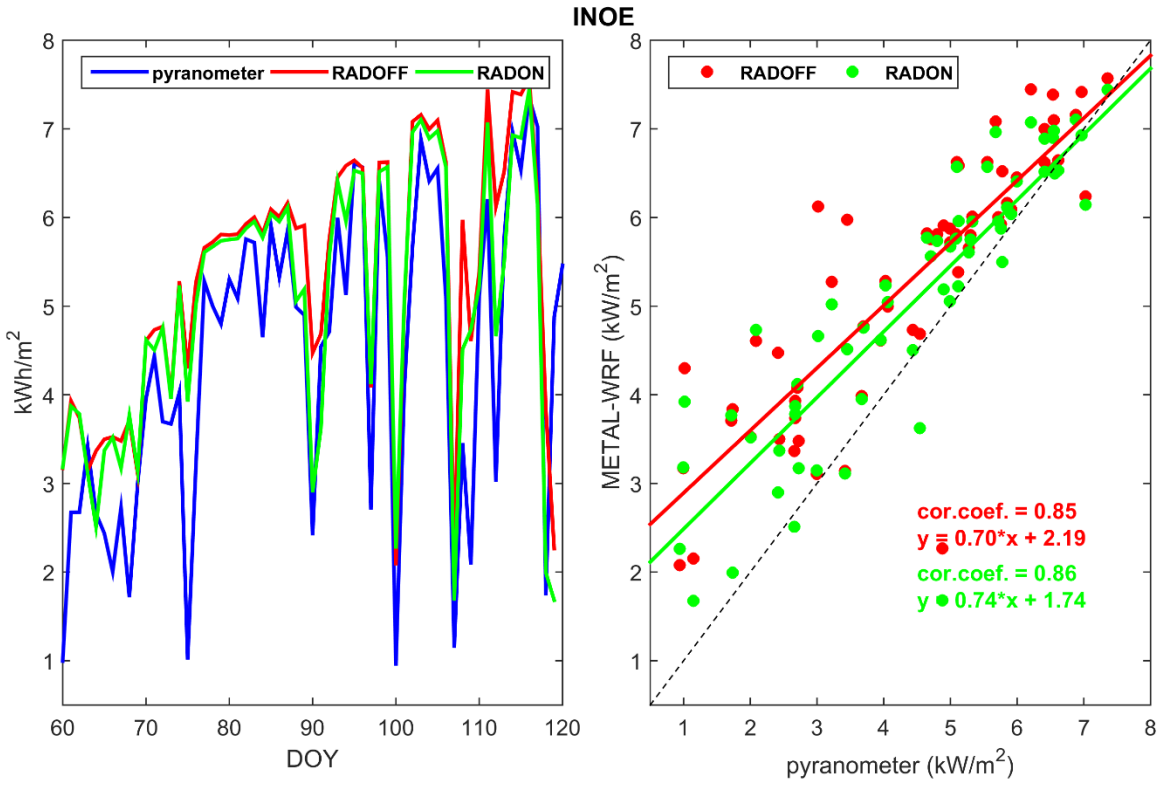
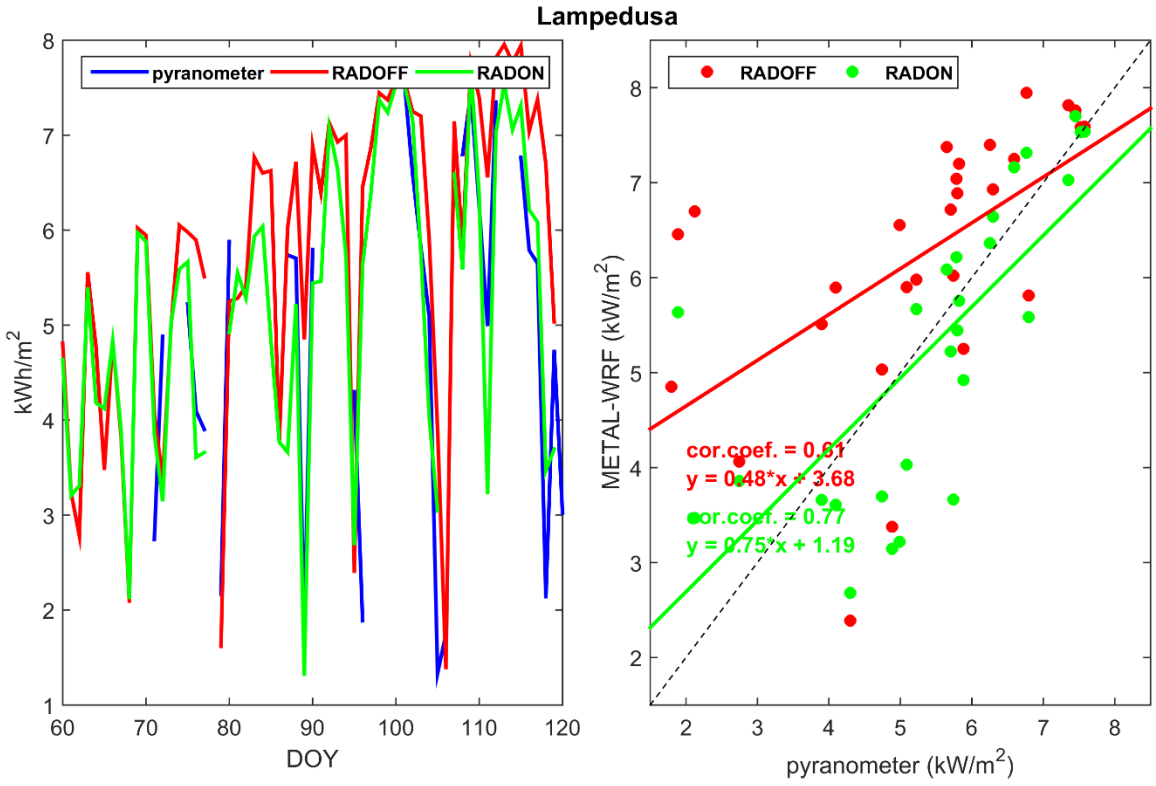


Figure S2. Daily GHI with respect to the day of year (DOY) 0f 2022, as it was calculated from the pyranometer measurements (blue), the METAL-WRF RADOFF (red), and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the model for RADOFF (red) and RADON (green). The results presented are for Magurele (INOE).



15

Figure S3. Daily GHI with respect to the day of year (DOY) 0f 2022, as it was calculated from the pyranometer measurements (blue), the METAL-WRF RADOFF (red), and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the model for RADOFF (red) and RADON (green). The results presented are for Lampedusa.

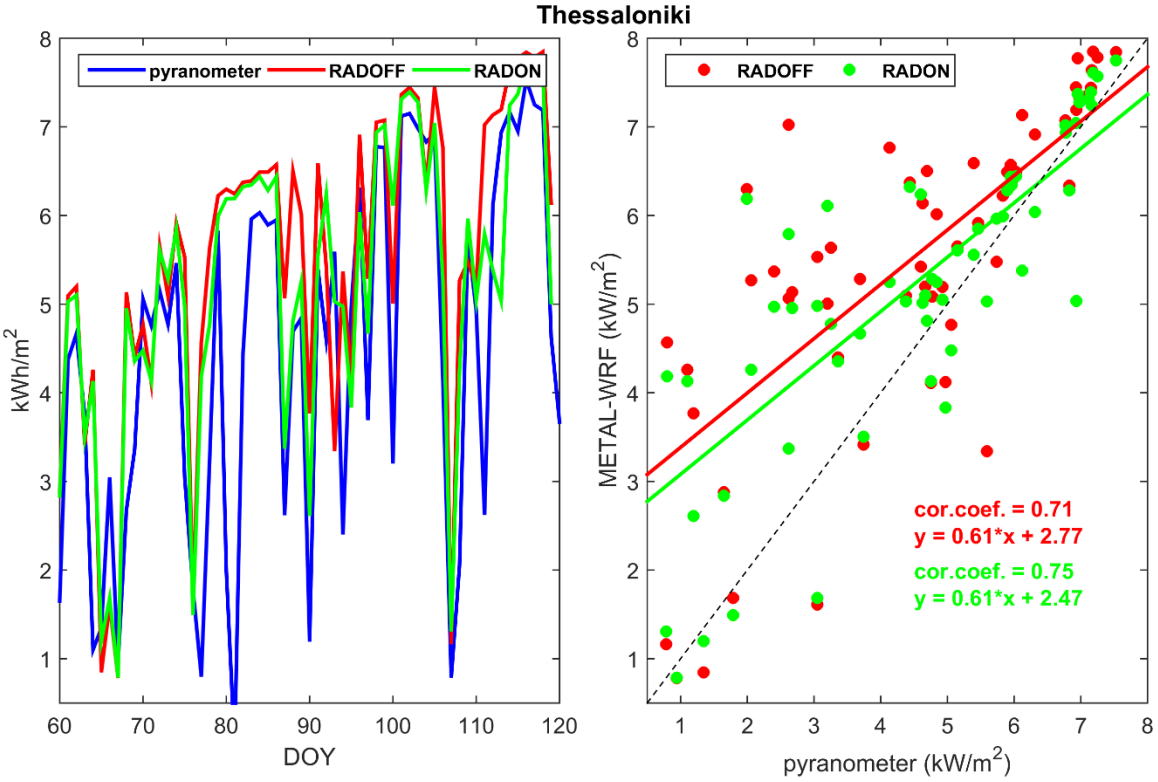


Figure S4. Daily GHI with respect to the day of year (DOY) 0f 2022, as it was calculated from the pyranometer measurements (blue), the METAL-WRF RADOFF (red), and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the METAL-WRF RADON (green). Right: Correlation between the daily GHI from the pyranometer and the model for RADOFF (red) and RADON (green). The results presented are for Thessaloniki.