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Corrigendum to

"Impact of rainfall spatial distribution on rainfall-runoff modelling efficiency and initial soil moisture conditions estimation" published in Nat. Hazards Earth Syst. Sci., 11, 157–170, 2011

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An error occurred in the computation of the radar rainfall amounts, causing a +20 % bias on the computed amounts. All the radar rainfall values must therefore be corrected, and reduced by 20 %. Thus, the precipitations measured by the radar are in good agreement with the rain gauges (with only +3 % in average for radar data). Consequently, the *S* parameter values obtained with radar data (UR or SR) are of the same order of magnitude as the *S* parameter values obtained with rain gauge data (UG or SG). Since the bias is constant, it does not imply modifications of the main conclusions of the paper.

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