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Supplement of

A 500-year annual runoff reconstruction for 14 selected European catchments

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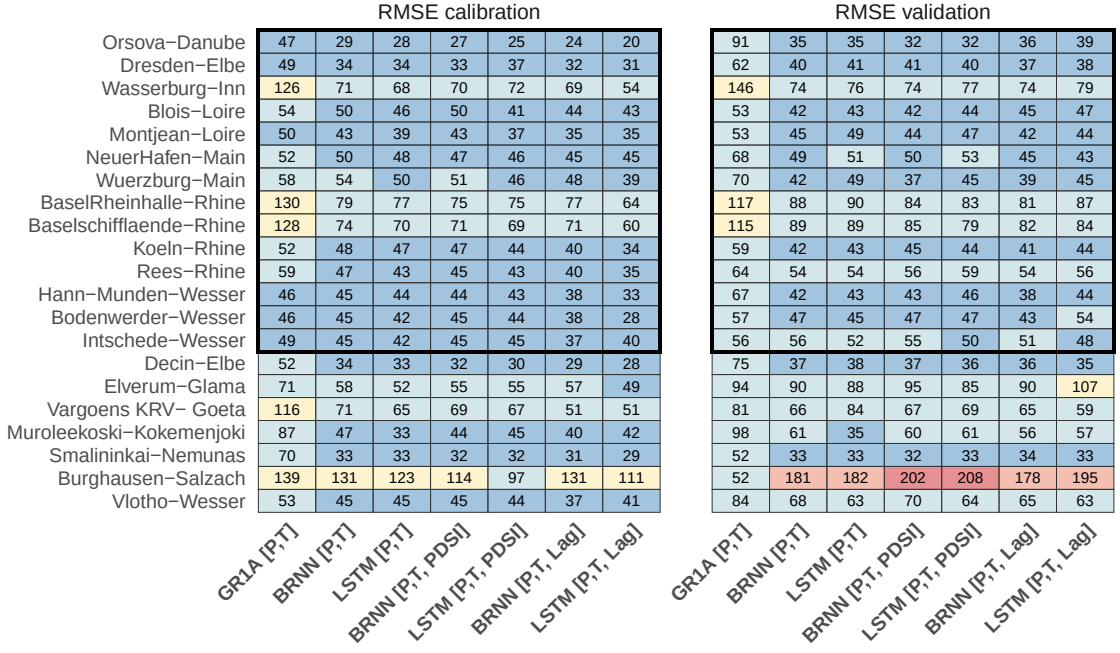

Figure S1. Same as Fig. 5 but for RMSE

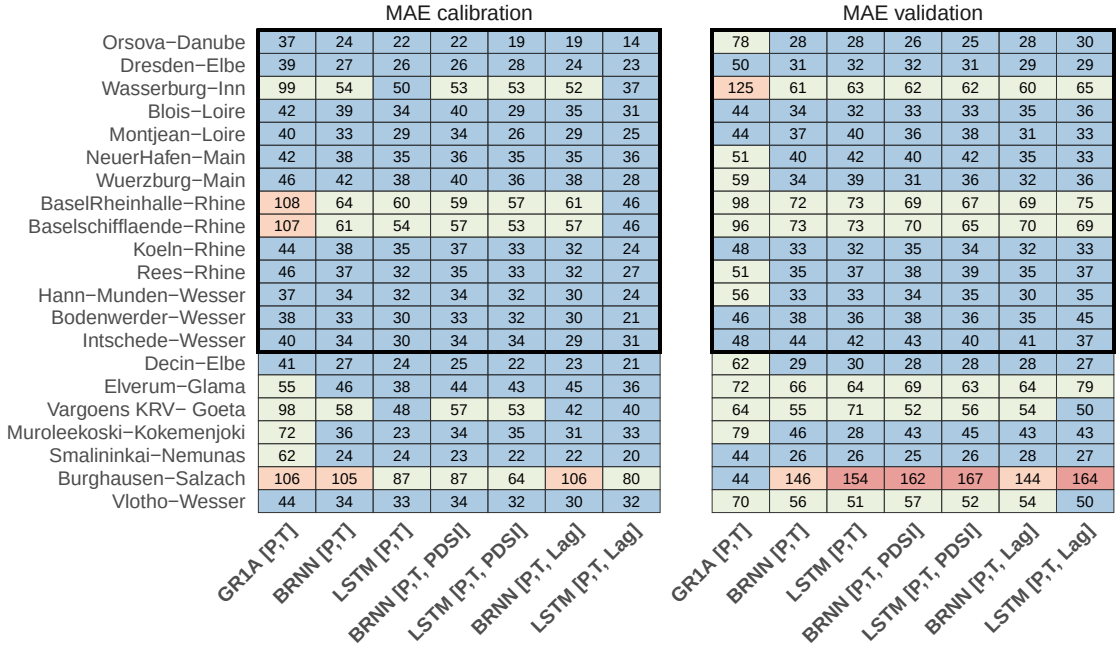

Figure S2. Same as Fig. 5 but for MAE

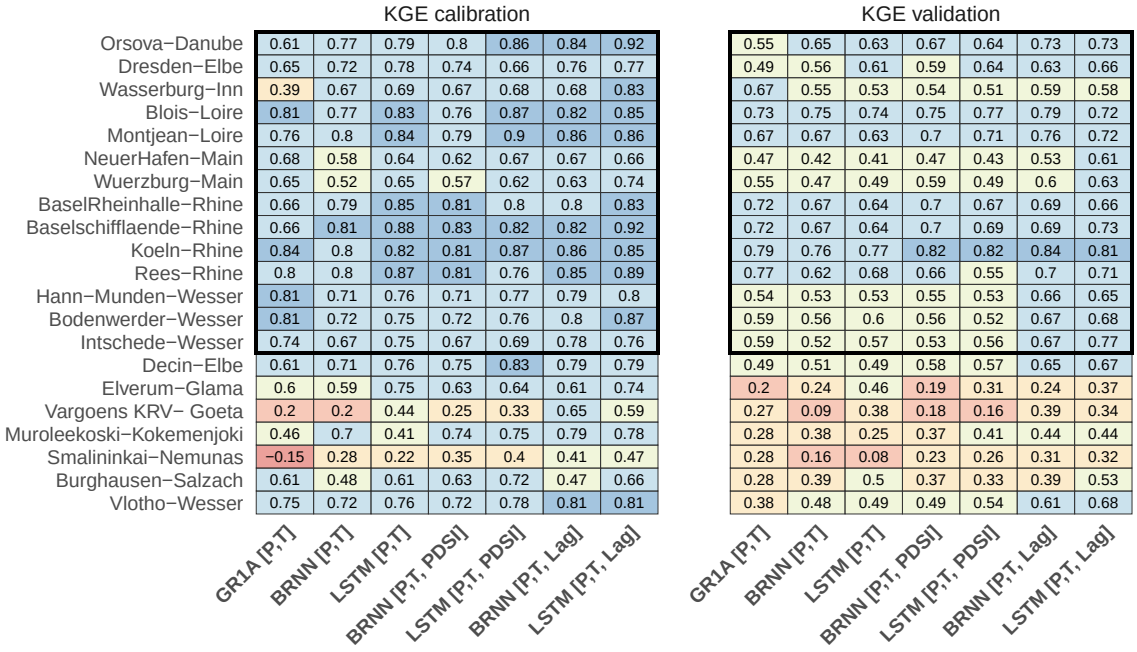

Figure S3. Same as Fig. 5 but for KGE

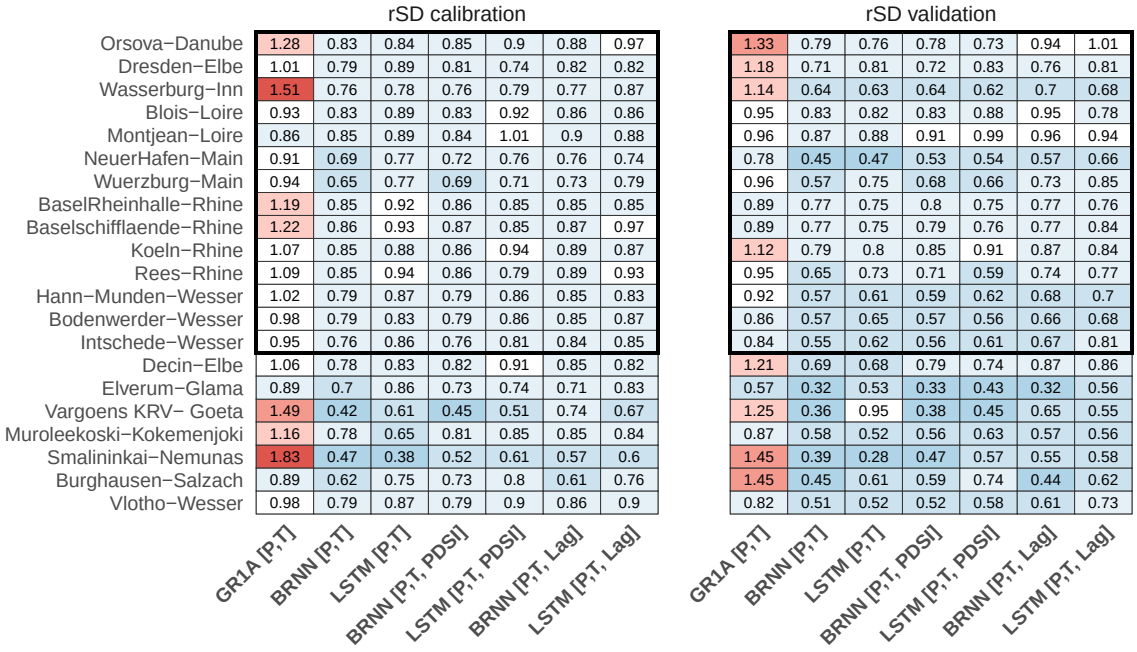

Figure S4. Same as Fig. 5 but for Standard deviation ratio

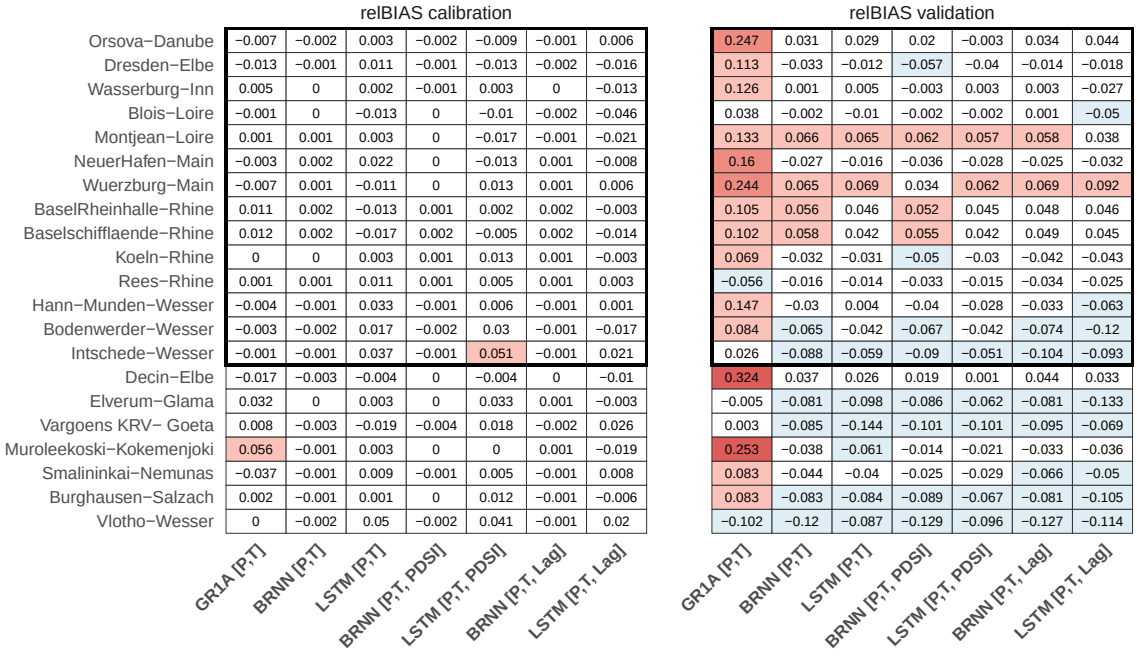

Figure S5. Same as Fig. 5 but for relative BIAS

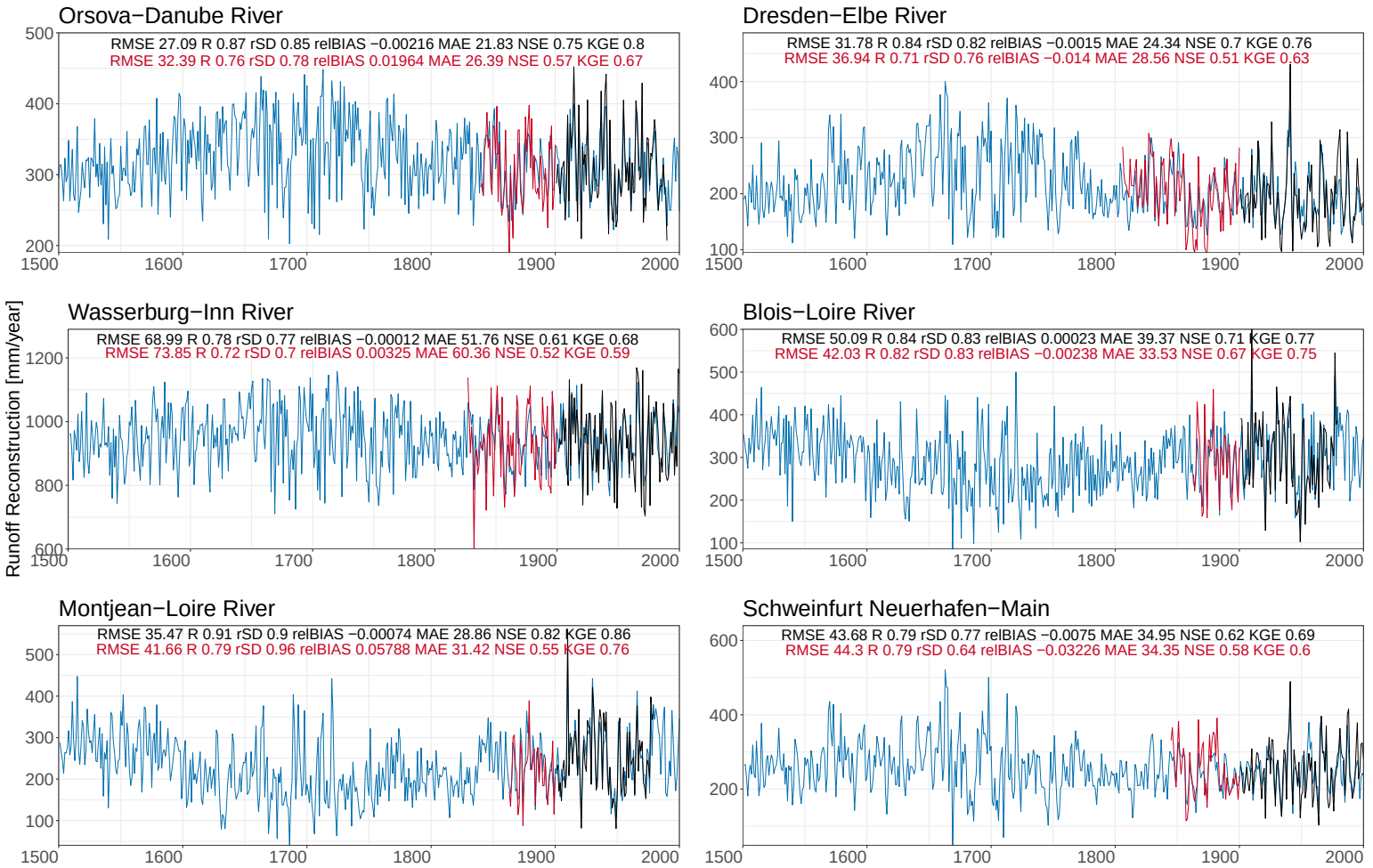

Figure S6. Reconstruction of Runoff over the past 500 years (data series are available in Orsova-Danube River, Dresden-Elbe River, Wasserburg-Inn River, Blois-Loire River, Montjean-Loire River, Schweinfurt Neuerhafen-Main. The black and red color indicate the GRDC observation runoff variable for calibrated and validated portion, whereas, the blue color represents reconstruction value of runoff simulated with the specific combinations. The observed statistic properties for calibration and validation data are displayed in top of the figure

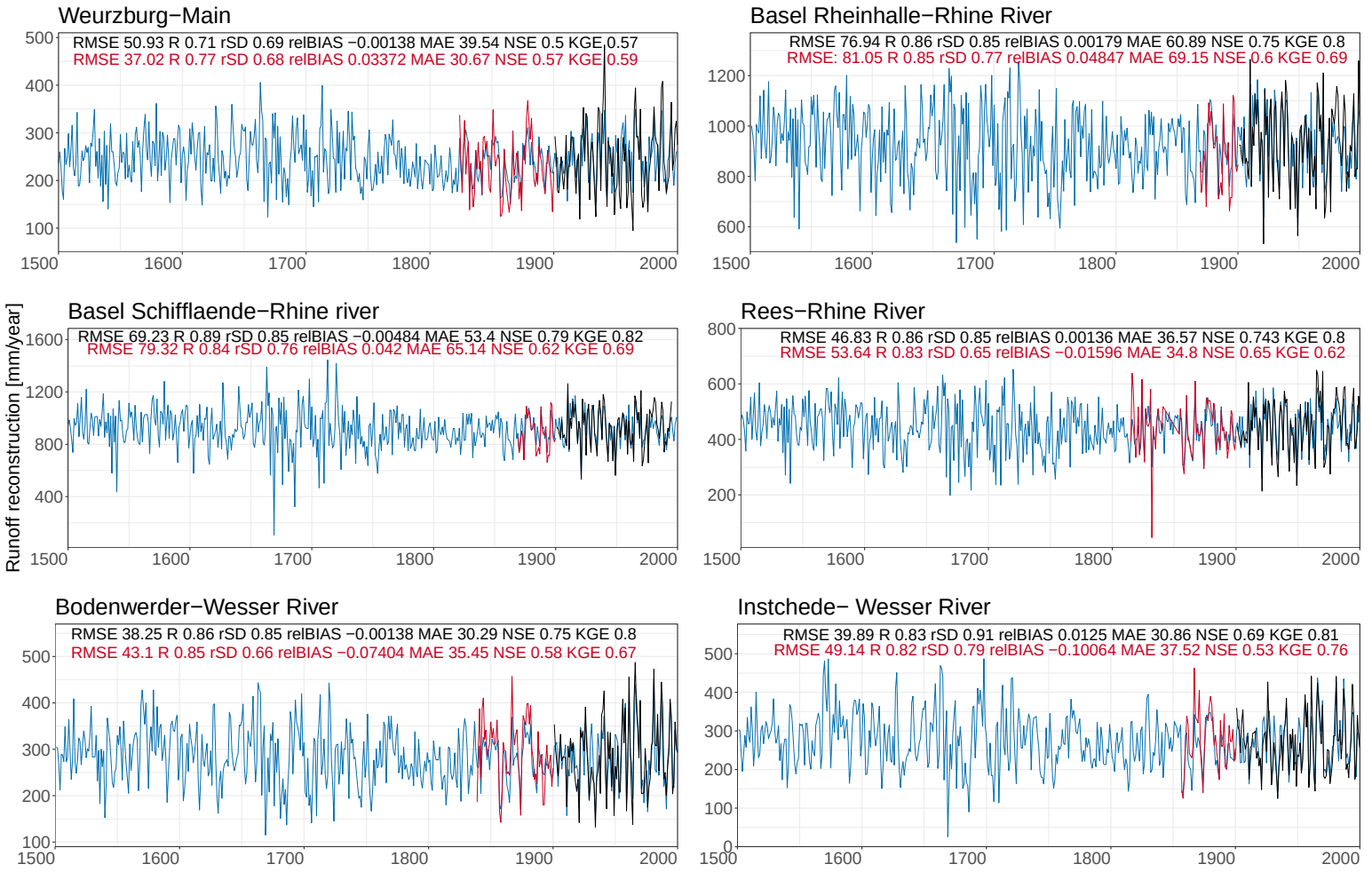

Figure S7. Same as Fig. S6 but runoff series are available in Weurzburg-Main, Basel Rheinhalle-Rhine River, Basel Schifflaende-Rhine river, Rees-Rhine River, Bodenwerder and Intschede - Wesser river

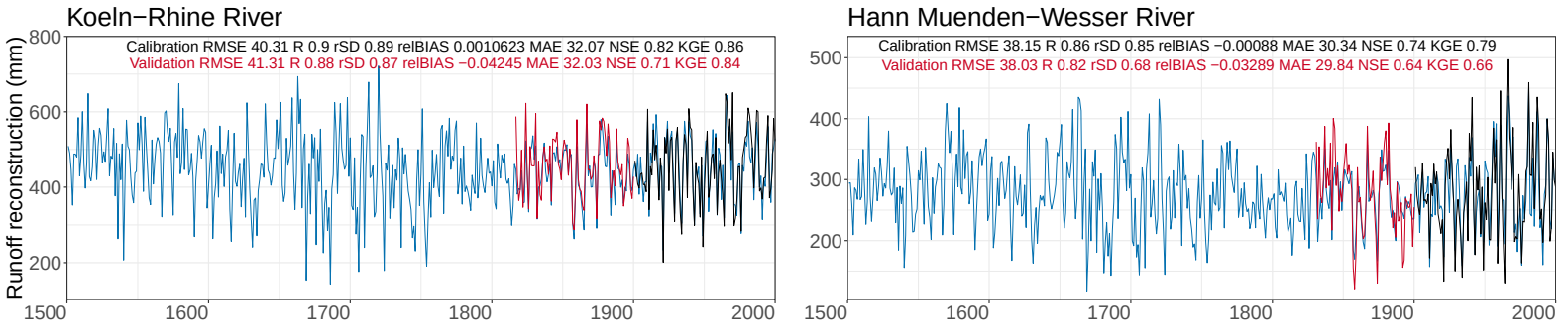

Figure S8. Reconstruction of runoff series for Köln- Main and Hann-Muenden Wesser Rivers

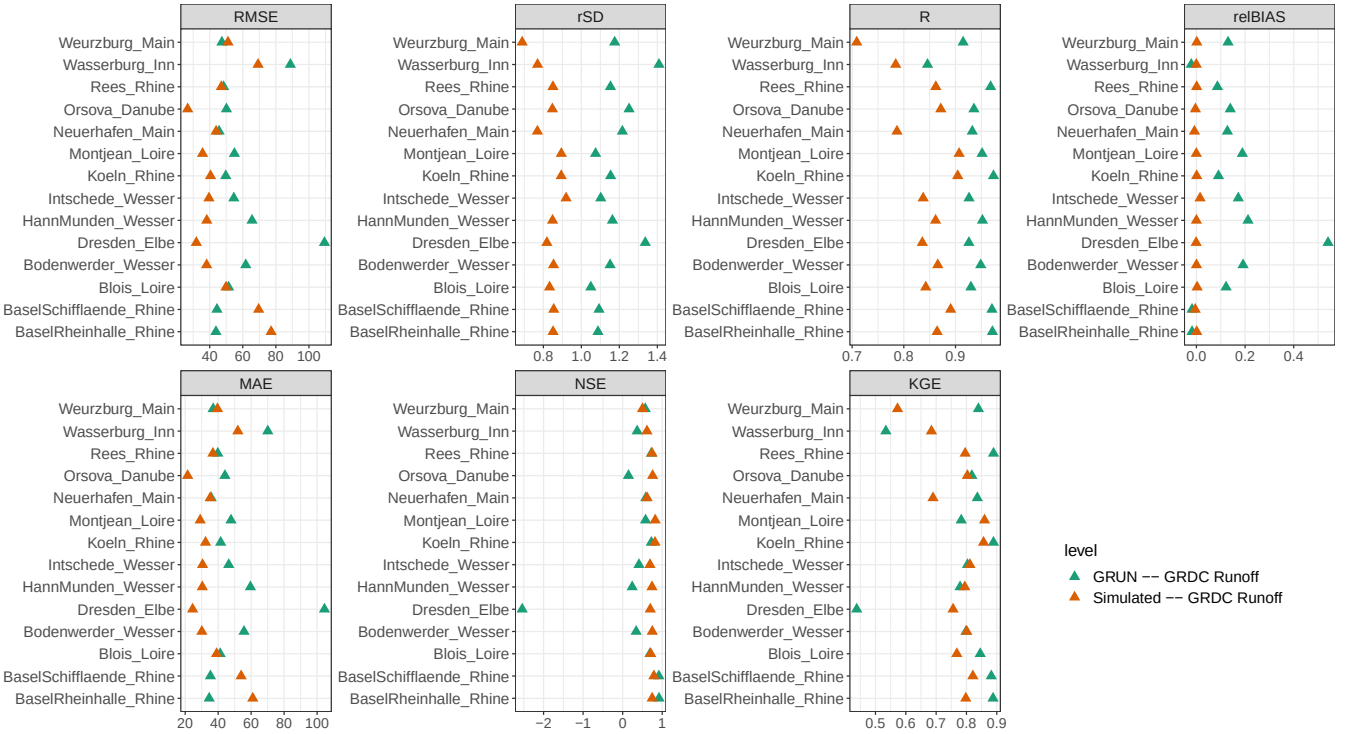

Figure S9. Statistical comparison between reconstructed and GRUN runoff with respect to observed GRDC Runoff for the common period 1902-2000

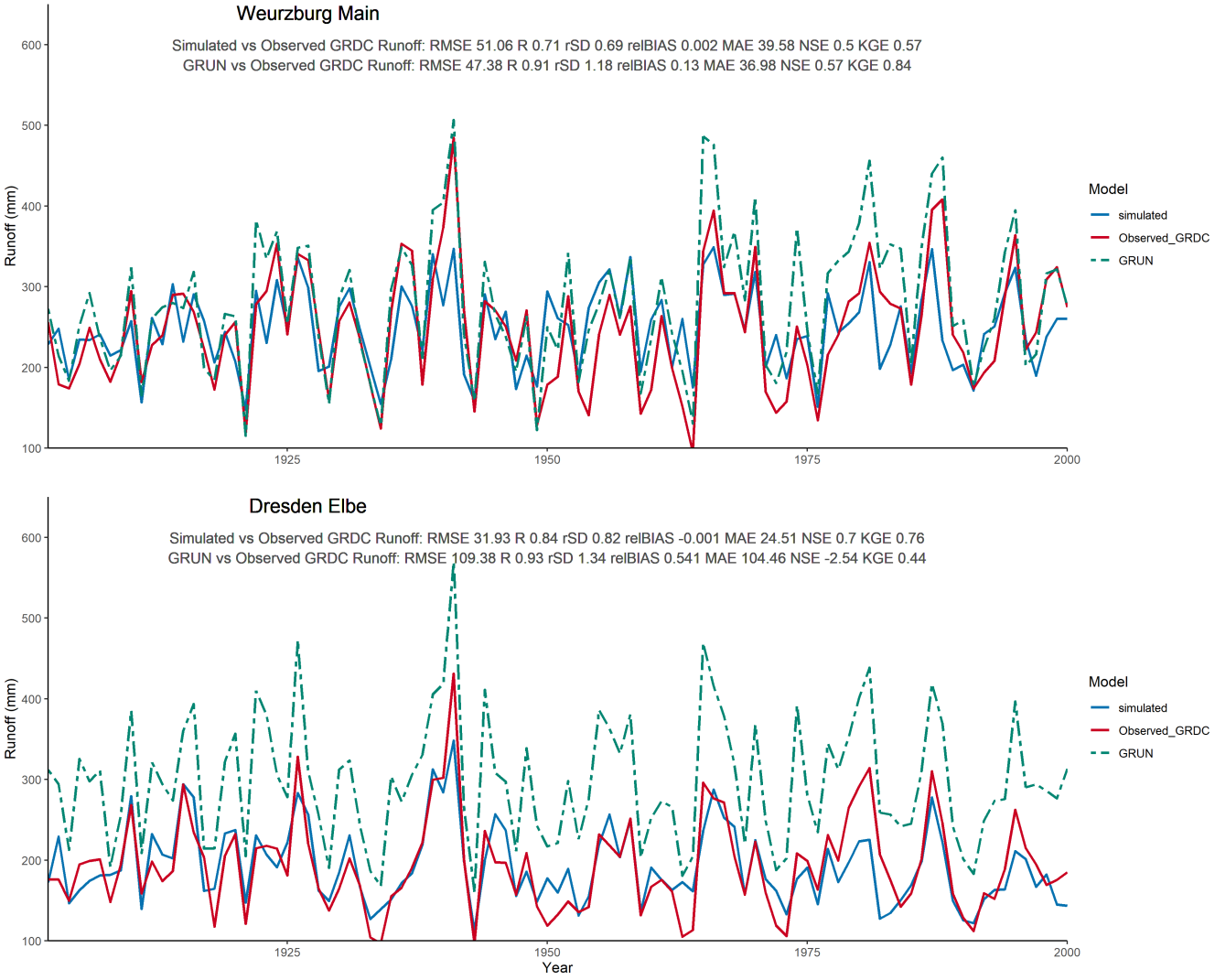

Figure S10. The simulated, observed, and GRUN time series for Dresden and Weurzburg catchments from 1900 to 2000. Model comparisons in terms of statistics can be seen at the top of the Figure.