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A gridded multi-site precipitation generator for complex terrain: an evaluation in the Austrian Alps

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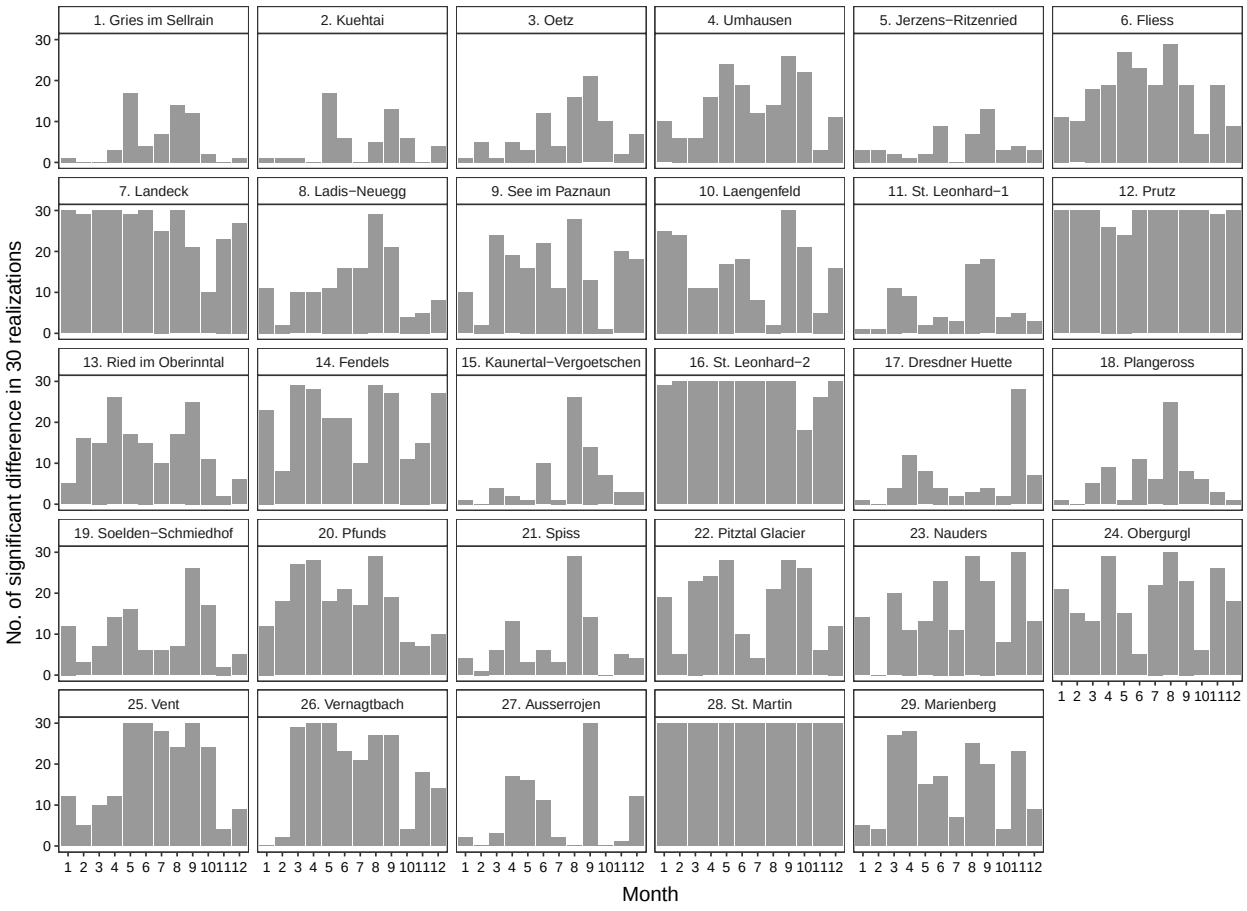

Figure S1: No. of significant differences in the KS-test between observed and simulated distributions in the 30 realizations at all 29 stations.

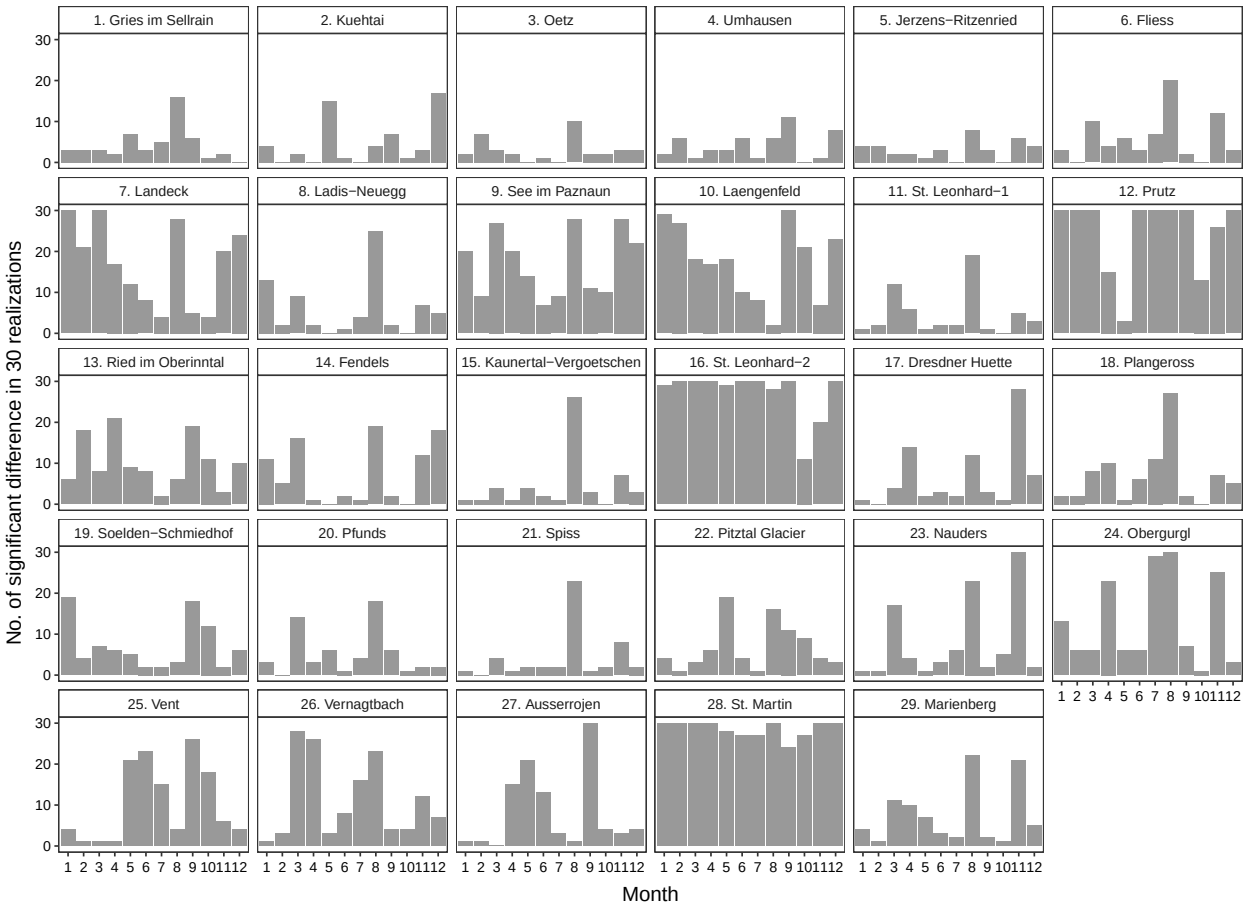

Figure S2: No. of significant differences in the WMW-test between observed and simulated distributions in the 30 realizations at all 29 stations.

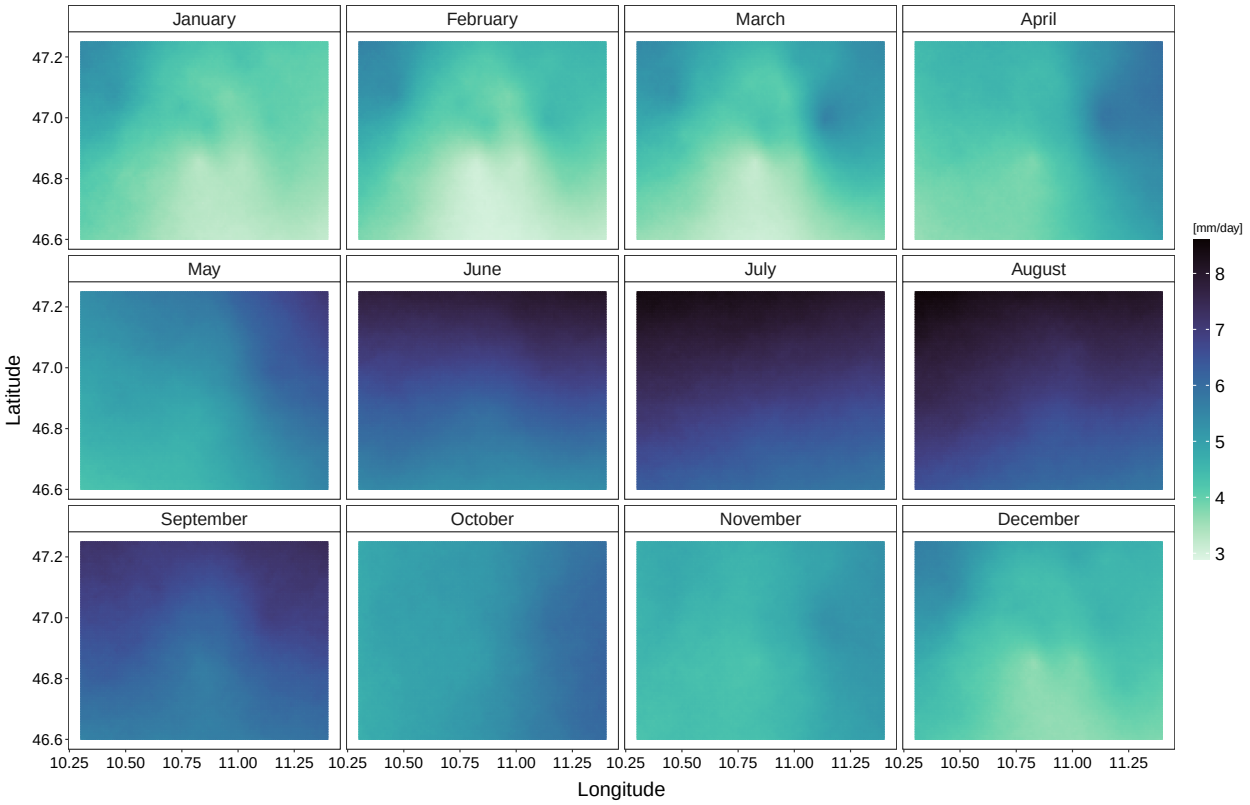

Figure S3: Spatial distribution of mean wet-day daily precipitation amount [mm/day] for each month in case of Aniso-OK

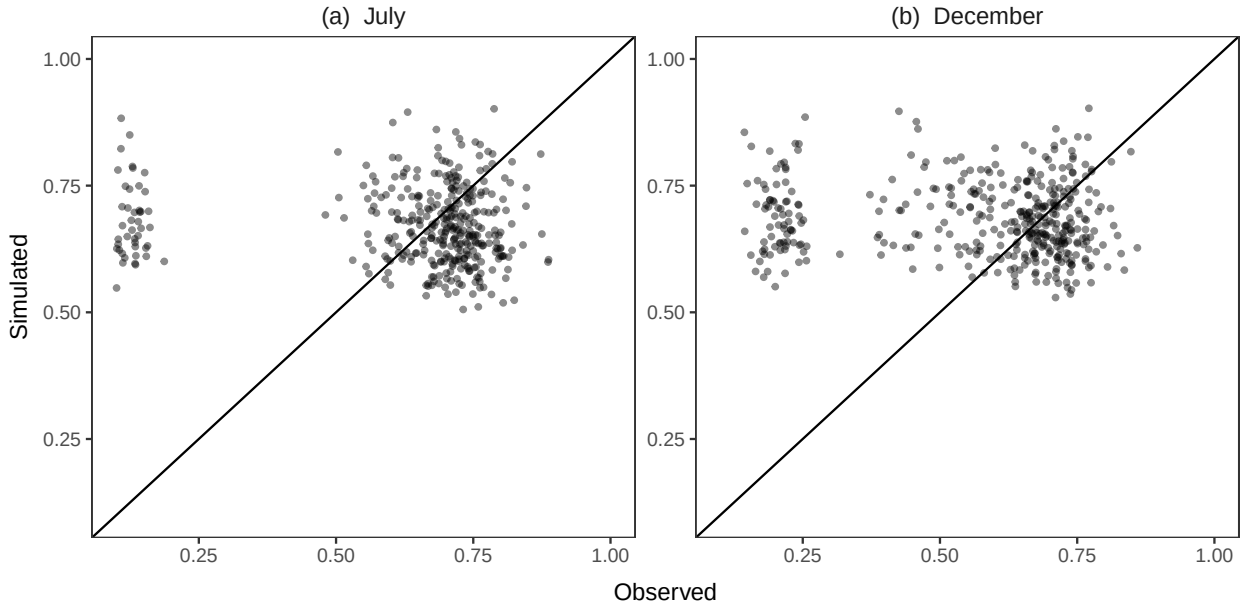

Figure S4: Inter-station correlations among the 29 stations in a summer month (June) and a winter month (December) for the occurrence of precipitation in the observed and simulated data.

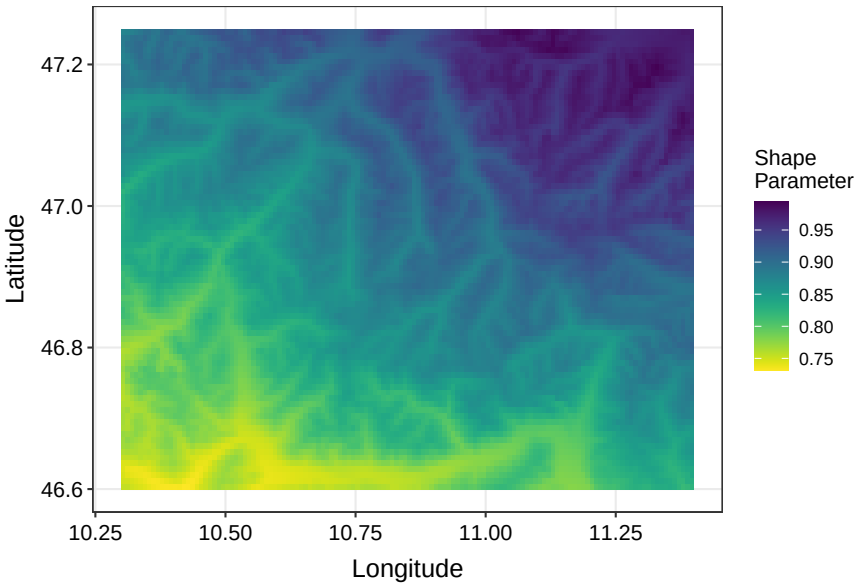

Figure S5: Shape parameters of gamma distribution over the region after interpolation

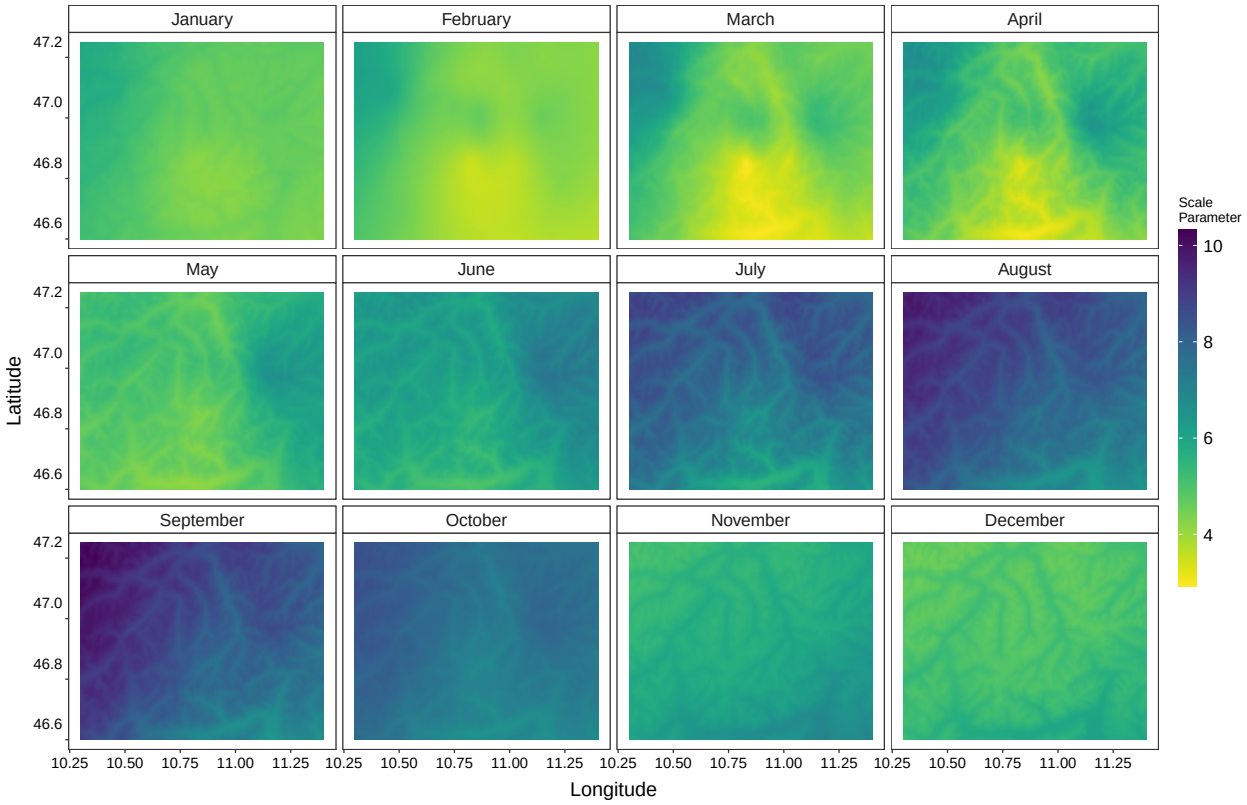

Figure S6: Scale parameters of gamma distribution for each month over the region after interpolation