Supplement

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 realisations at all 29 stations.

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

Figure S3: Spatial distribution of monthly mean [mm] precipitation 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.