Supplement of

Estimating radar precipitation in cold climates: the role of air temperature within a non-parametric framework

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Figure S1. Bar plot representing three quality metrics (RMSE, MAE and ME) estimated at gauge locations for the original data (MP) and for the two nonparametric models (knn-R and knn-RT). Here, knn-R denotes the nonparametric model with radar precipitation rate as a single predictor, while knn-RT denotes the nonparametric model with radar precipitation rate and air temperature as two predictors with fixed partial weight of (0.68, 0.32).
Figure S2. Box plot of RMSE (mm h$^{-1}$) values estimated at gauge locations for the original data (MP) and the two nonparametric models (knn-R and knn-RT) using the entire data and the datasets with temperatures colder than or equal 10º C and warmer than 10º C. Mean value of RMSE for each model by red diamond point. Here, knn-R - nonparametric model with radar precipitation rate as single predictor and knn-RT - nonparametric model with radar precipitation rate and air temperature as two predictors with the partial weight of (0.68, 0.32). The values outside 1.5 * IQR are represented by the whiskers.