# Comprehensive Global Assessment of 23 Gridded Precipitation Datasets Across 16,295 Catchments Using Hydrological Modeling

Abbas et al., 2025

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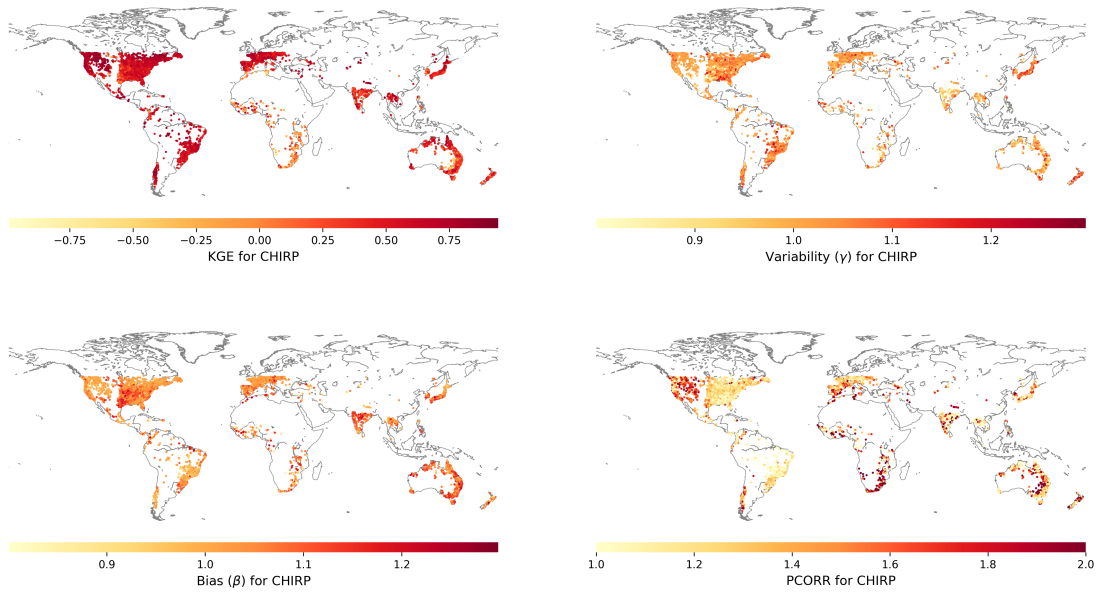
Figure S1: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for CHIRP dataset.
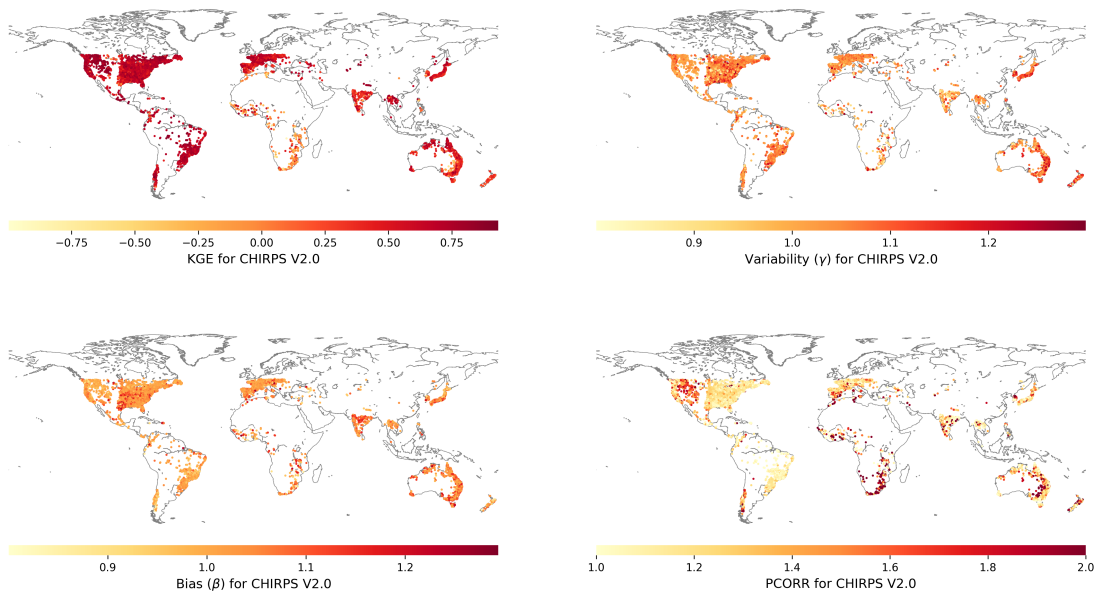
Figure S2: Calibration performance (KGE, Variability and Bias) and PCORR values achieved CHIRPS V2.0 dataset.
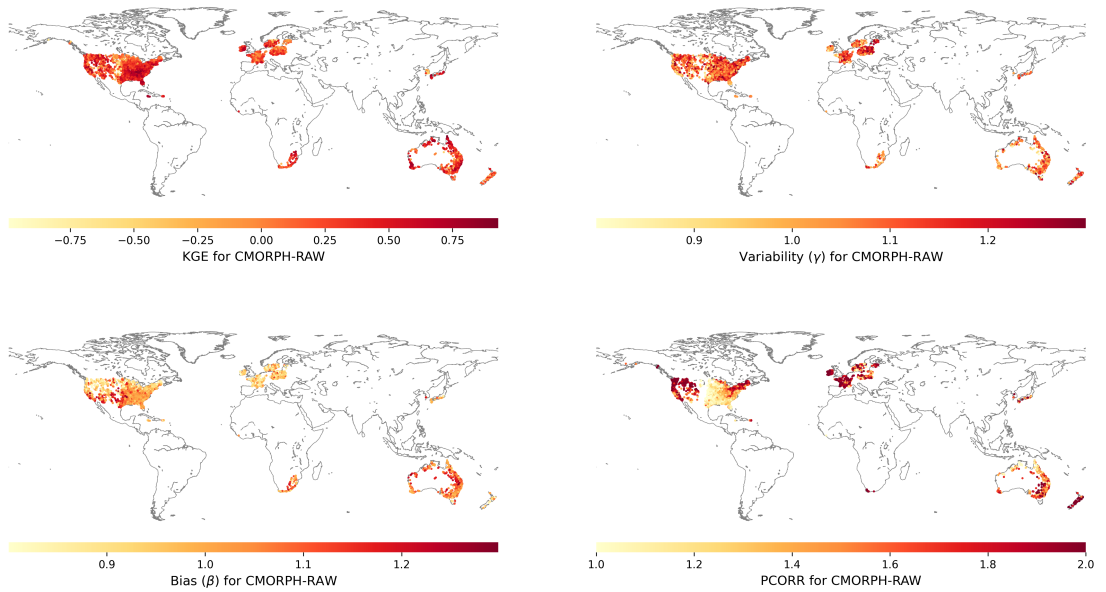
Figure S3: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for CMORPH-RAW dataset.
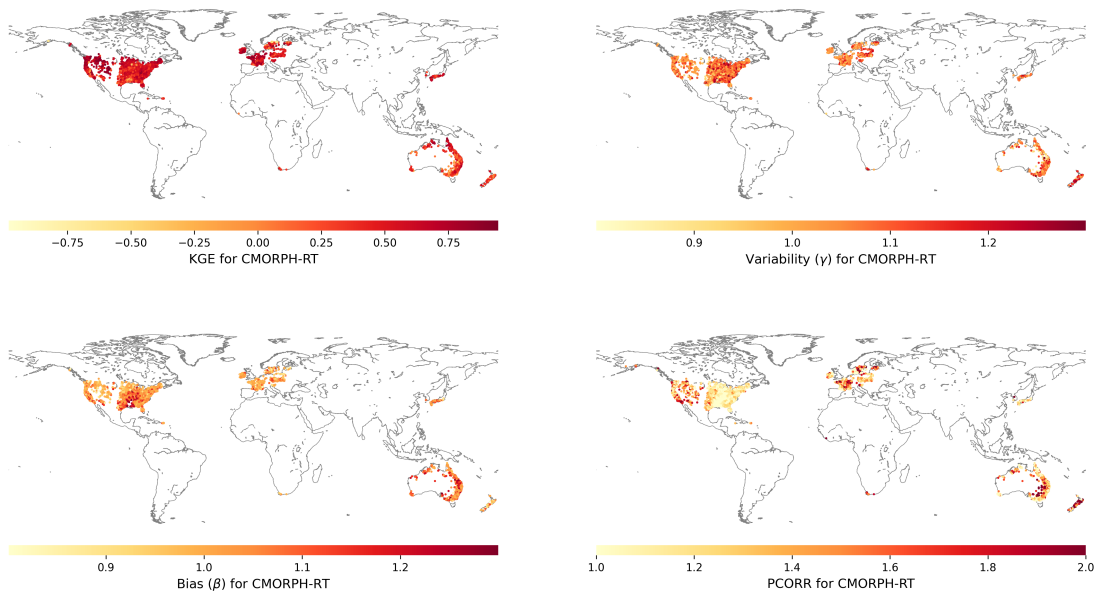
Figure S4: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for CMORPH-RT dataset.
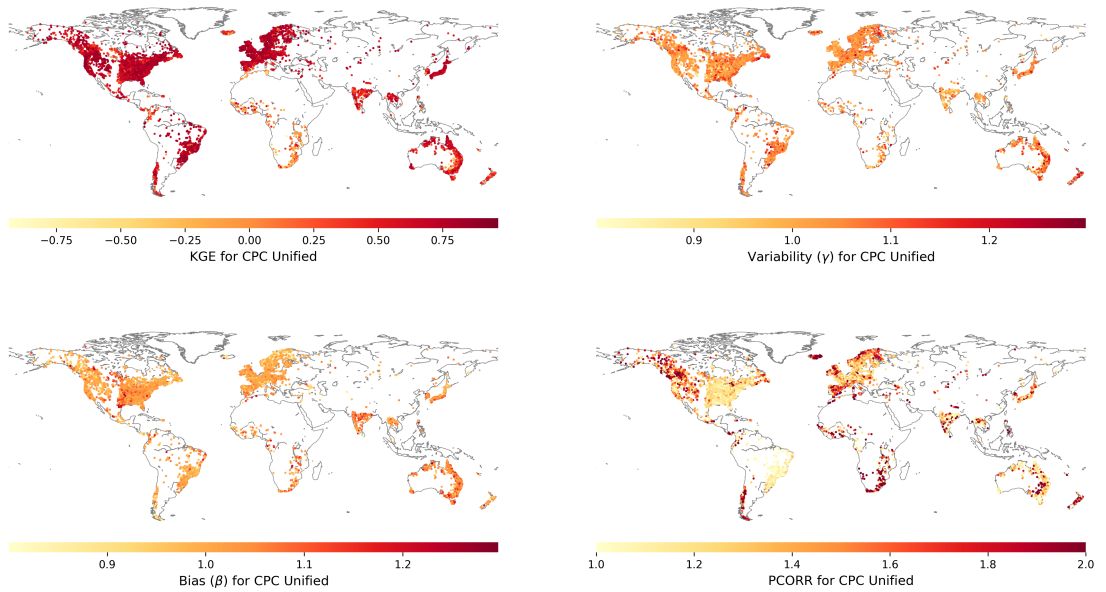
Figure S5: Calibration performance (KGE, Variability and Bias) and PCORR values achieved CPC Unified dataset.
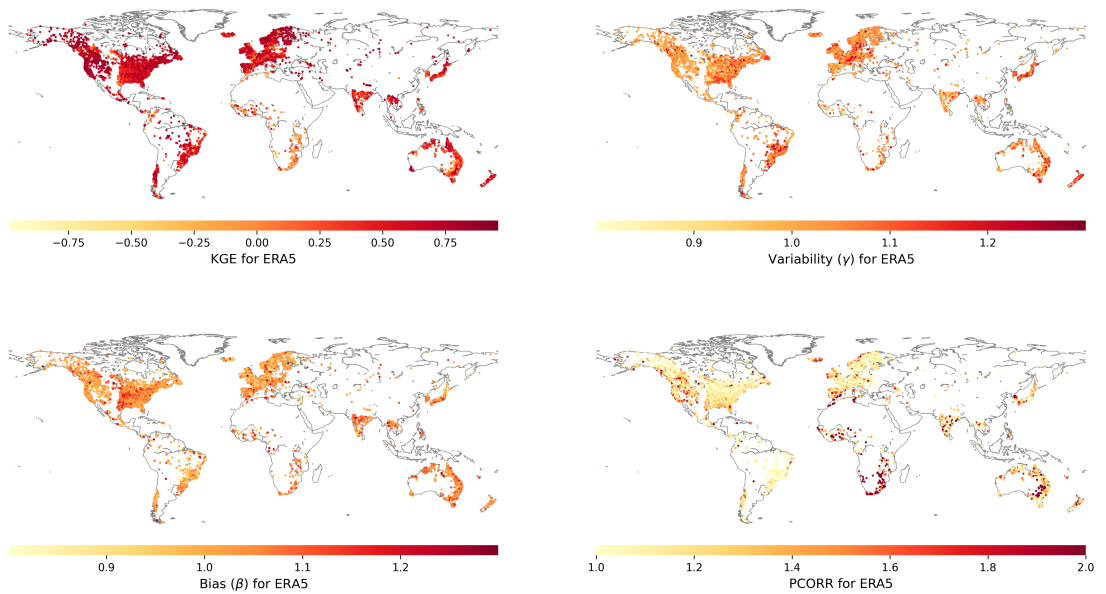
Figure S6: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for ERA5 dataset.
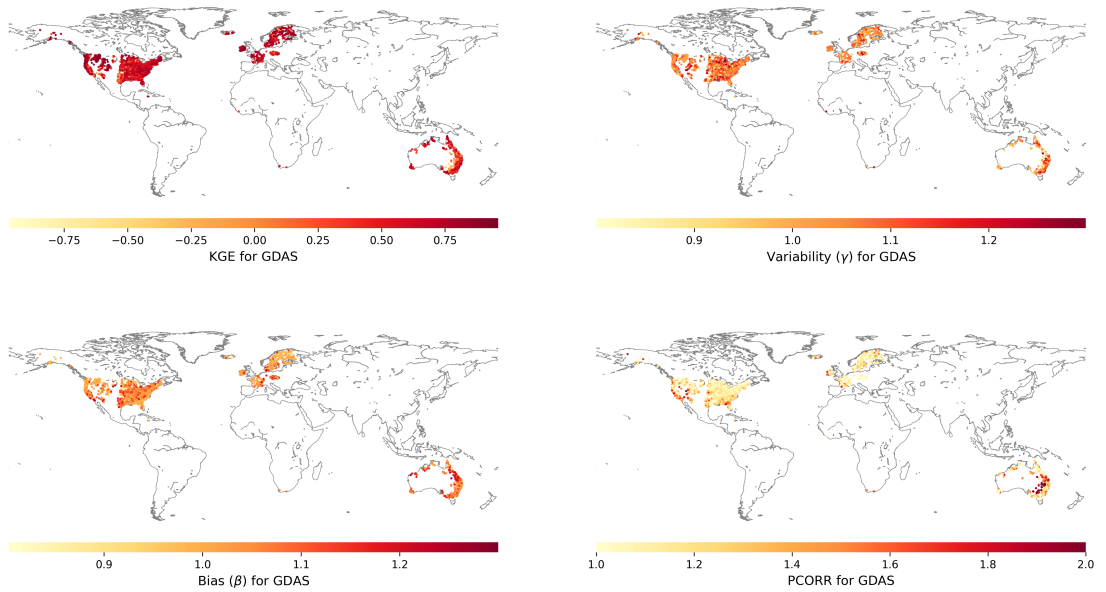
Figure S7: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for GDAS dataset.
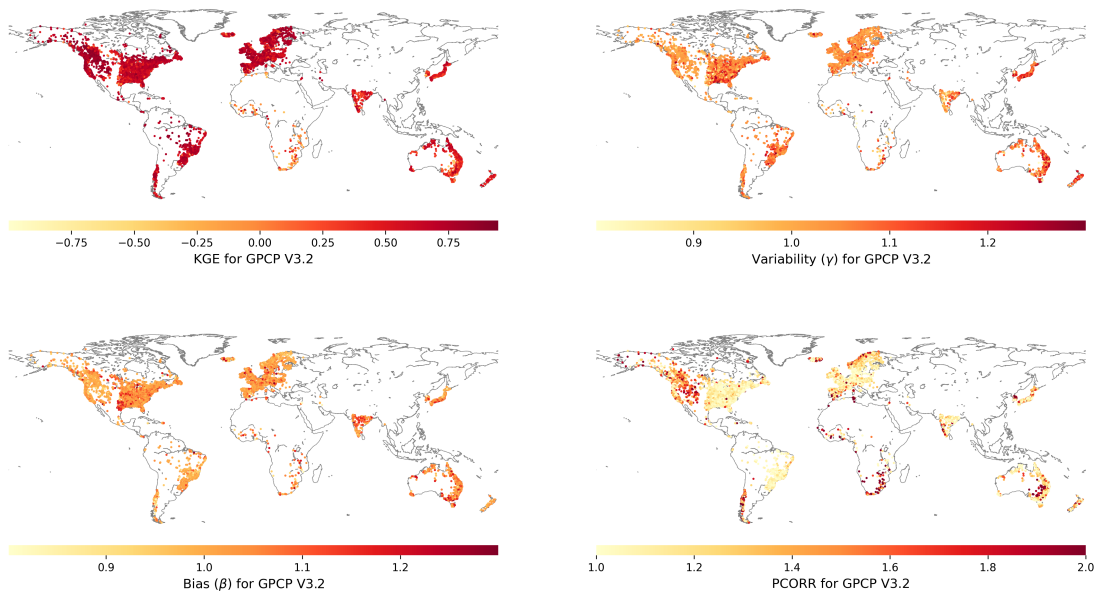
Figure S8: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for GPCP V3.2 dataset.
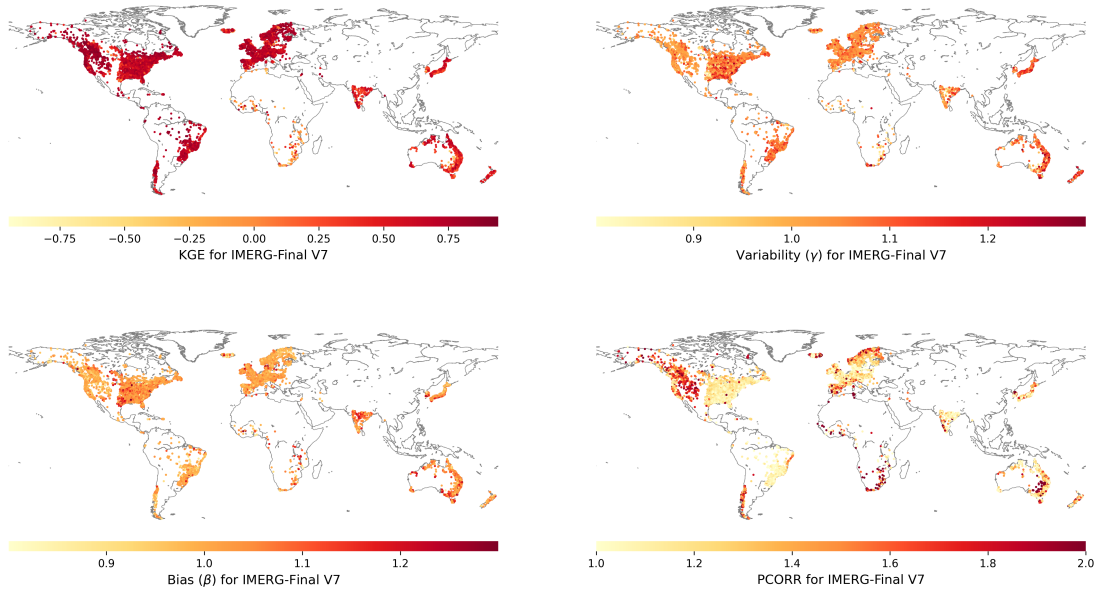
Figure S9: Calibration performance (KGE, Variability and Bias) and PCORR values achieved IMGERG-Final V7 dataset.
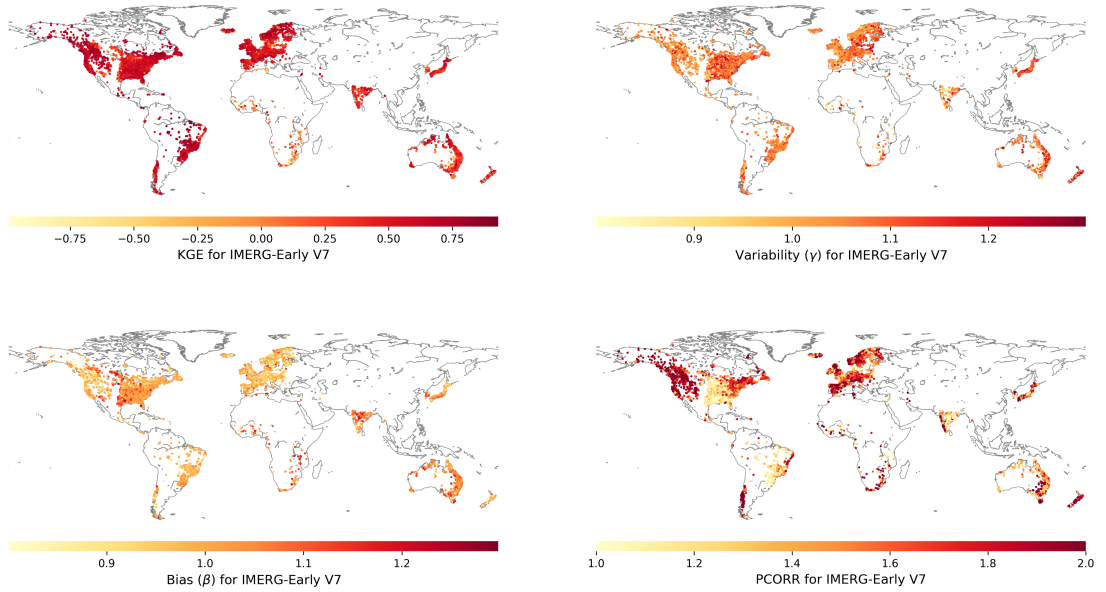
Figure S10: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for IMERG-Early V7 dataset.
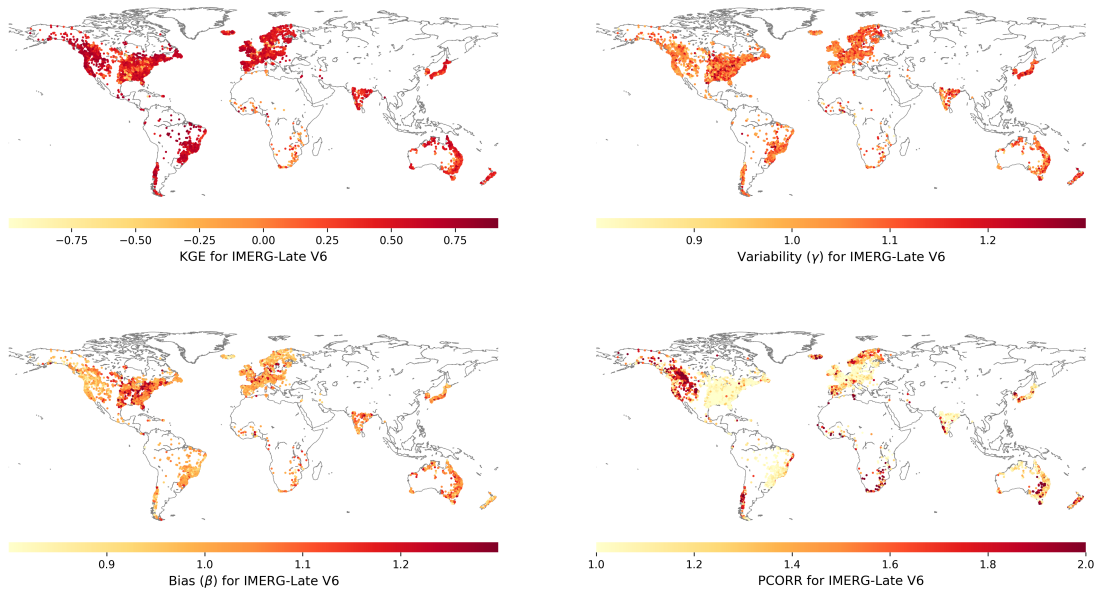
Figure S11: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for IMERG-Late V6 dataset.
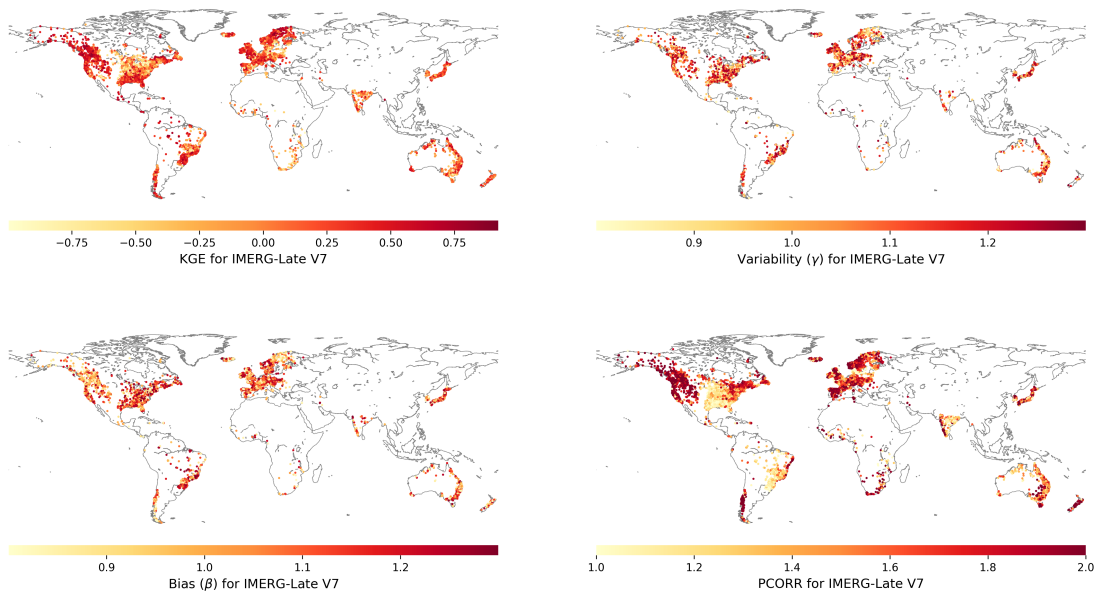
Figure S12: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for IMERG-Late V7 dataset.
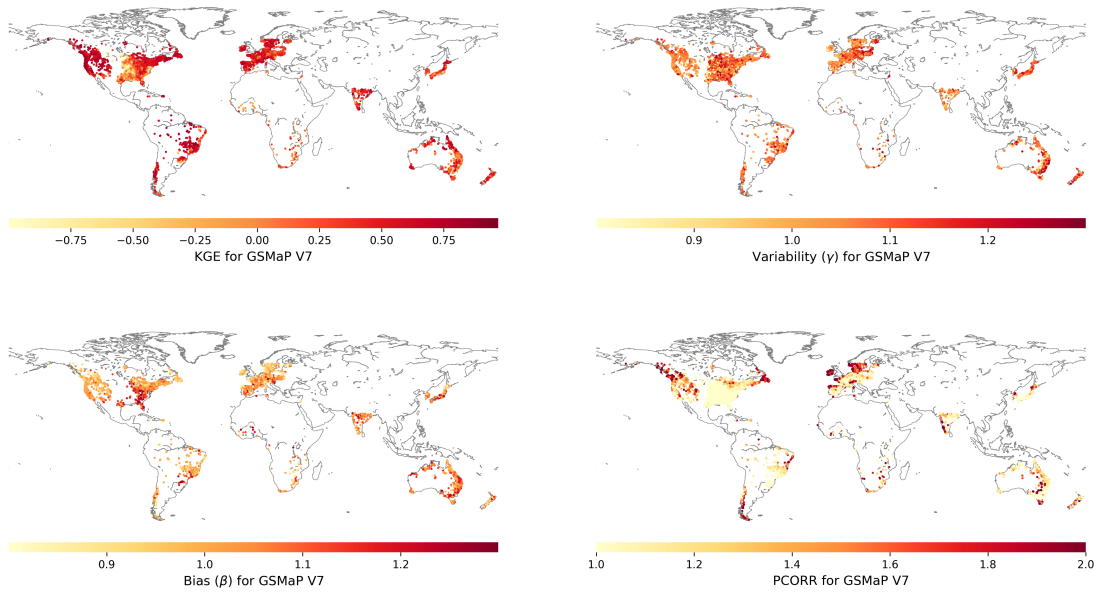
Figure S13: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for GSMaP V7 dataset.
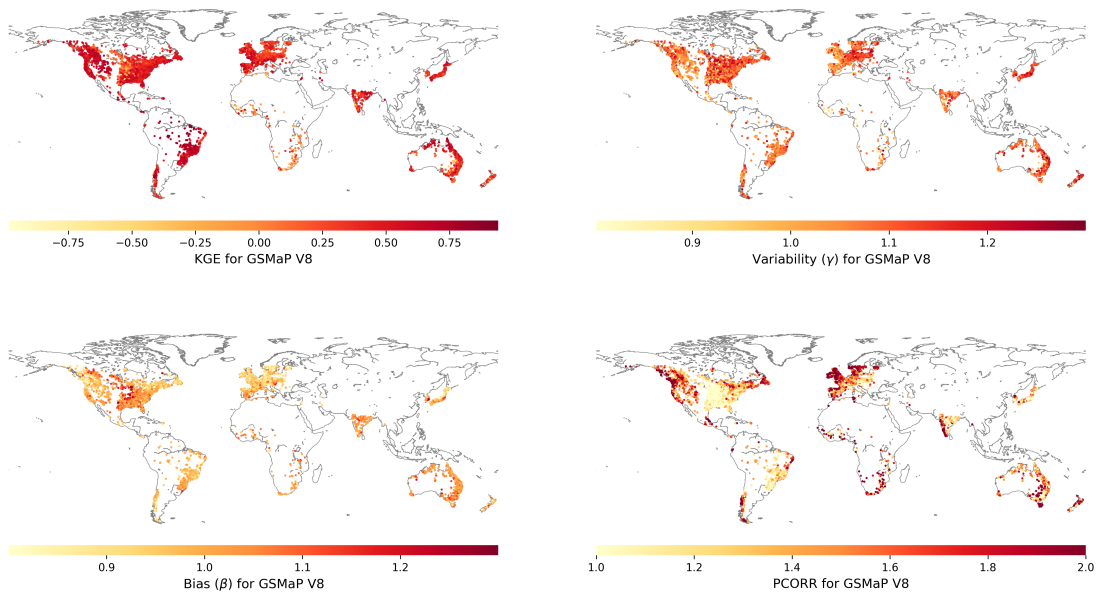
Figure S14: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for GSMaP V8 dataset.
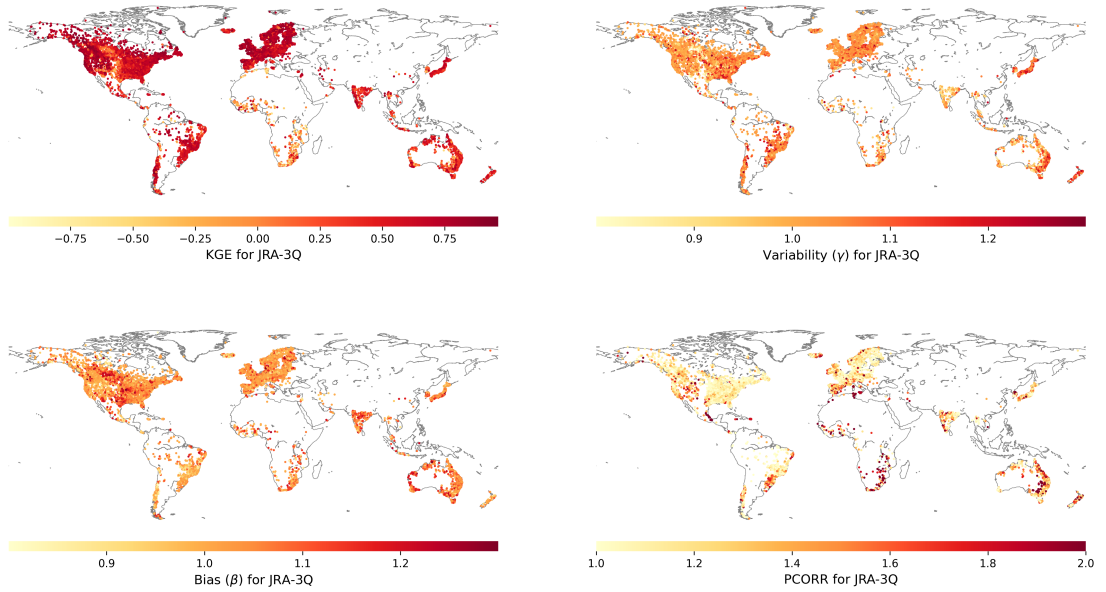
Figure S15: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for JRA-3Q dataset.
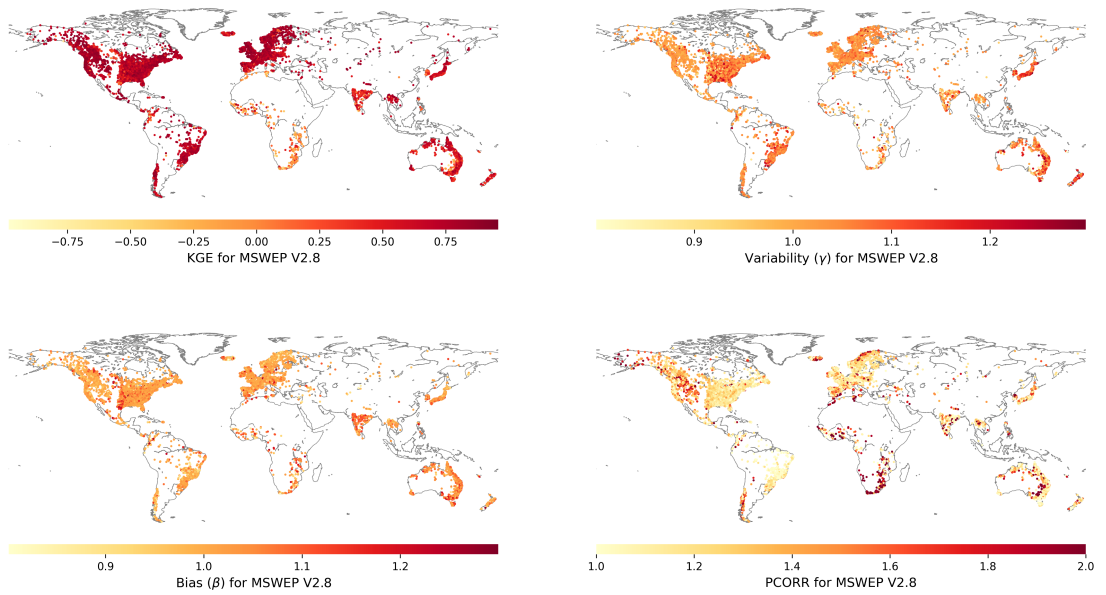
Figure S16: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for MSWEP V2.8 dataset.
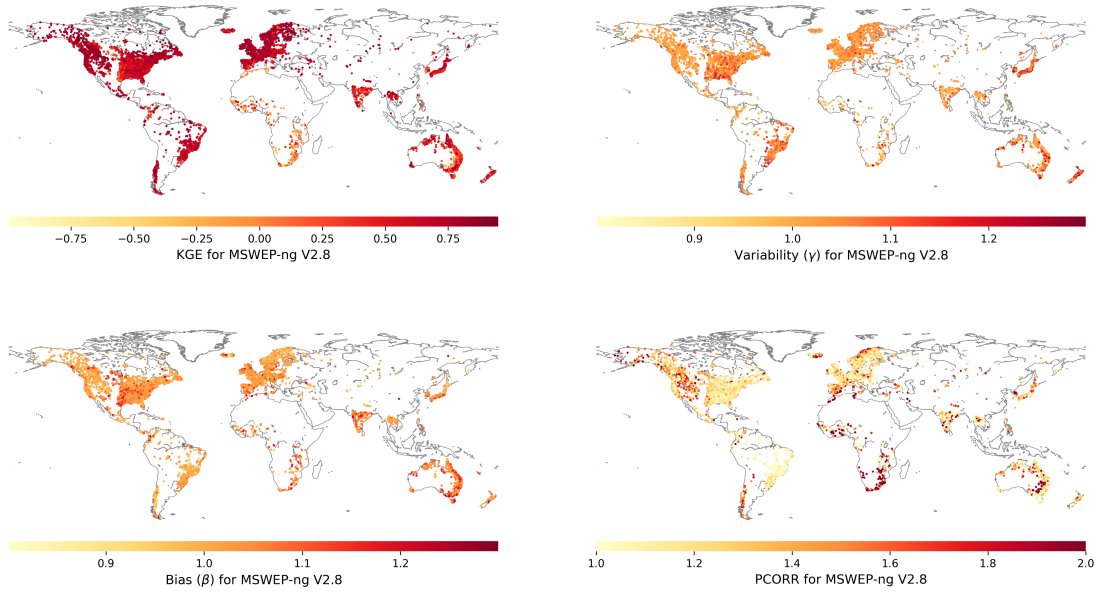
Figure S17: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for MSWEP-ng V2.8 dataset.
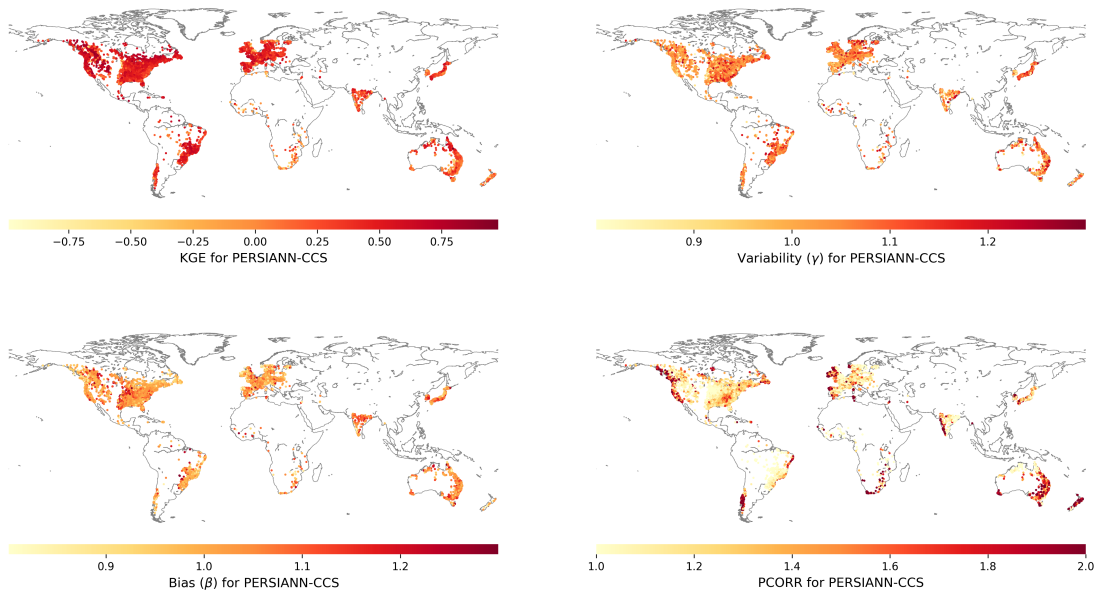
Figure S18: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for PERSIANN-CCS dataset.
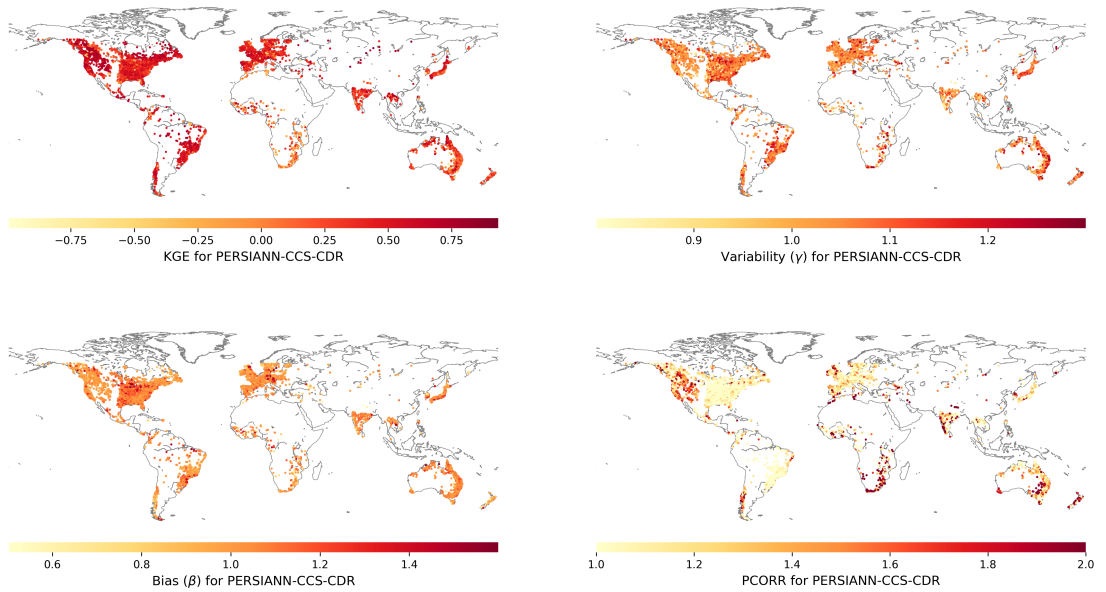
Figure S19: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for PERSIANN-CCS-CDS dataset.
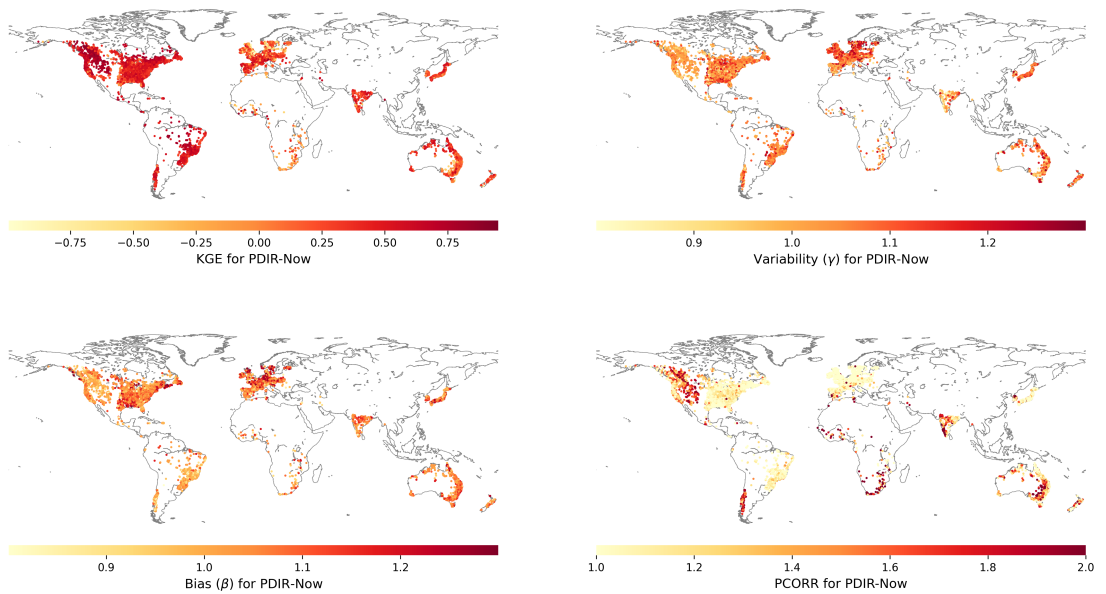
Figure S20: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for PDIR-Now dataset.
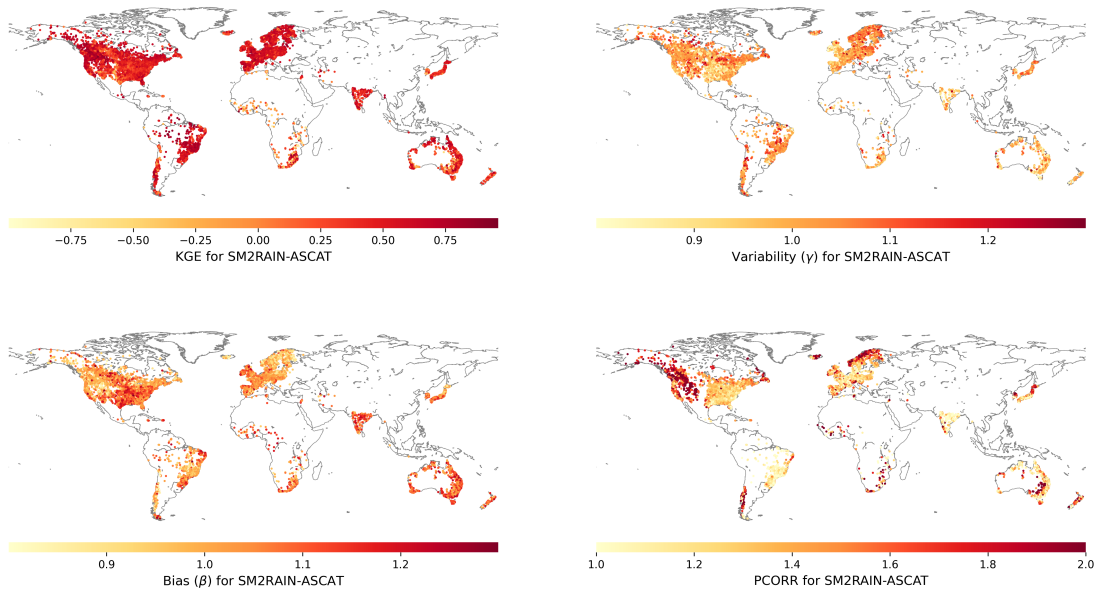
Figure S21: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for SM2RAIN-ASCAT dataset.
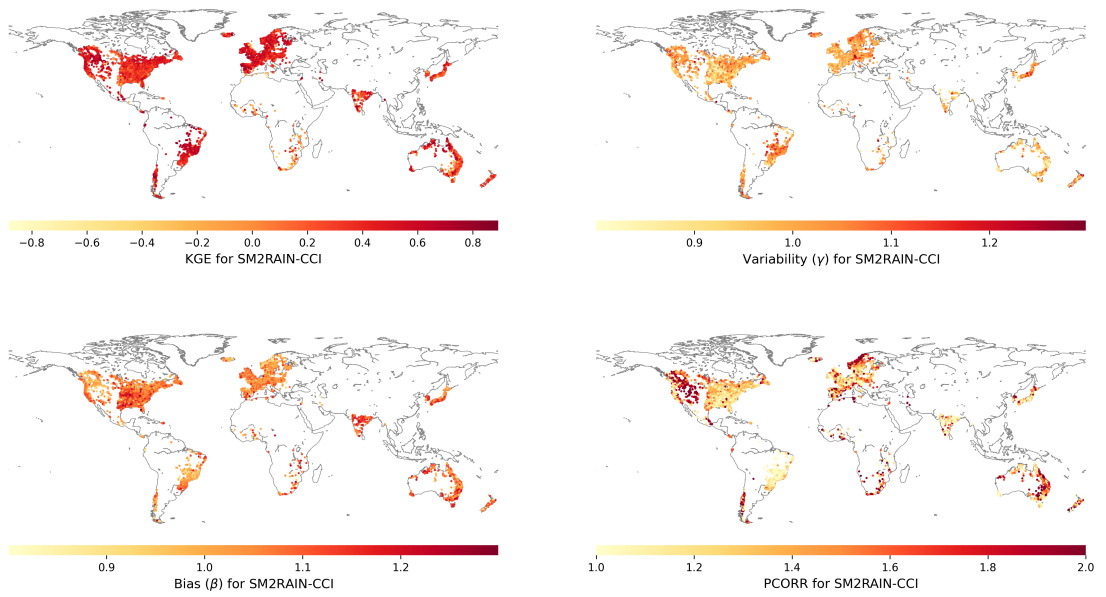
Figure S22: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for SM2RAIN-CCI dataset.
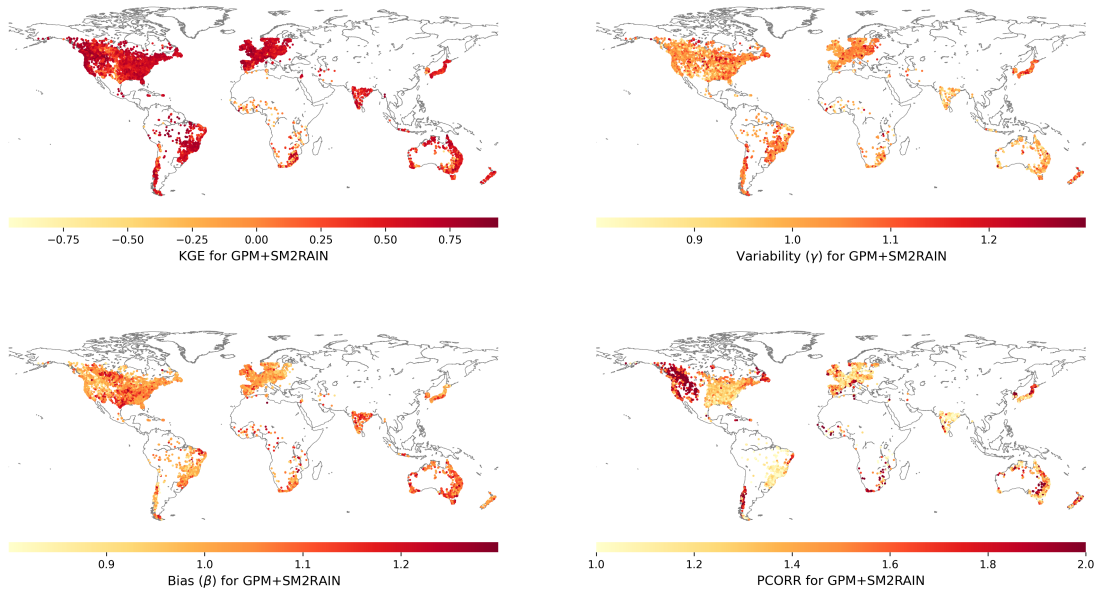
Figure S23: Calibration performance (KGE, Variability and Bias) and PCORR values achieved for GPM+SM2RAIN dataset.
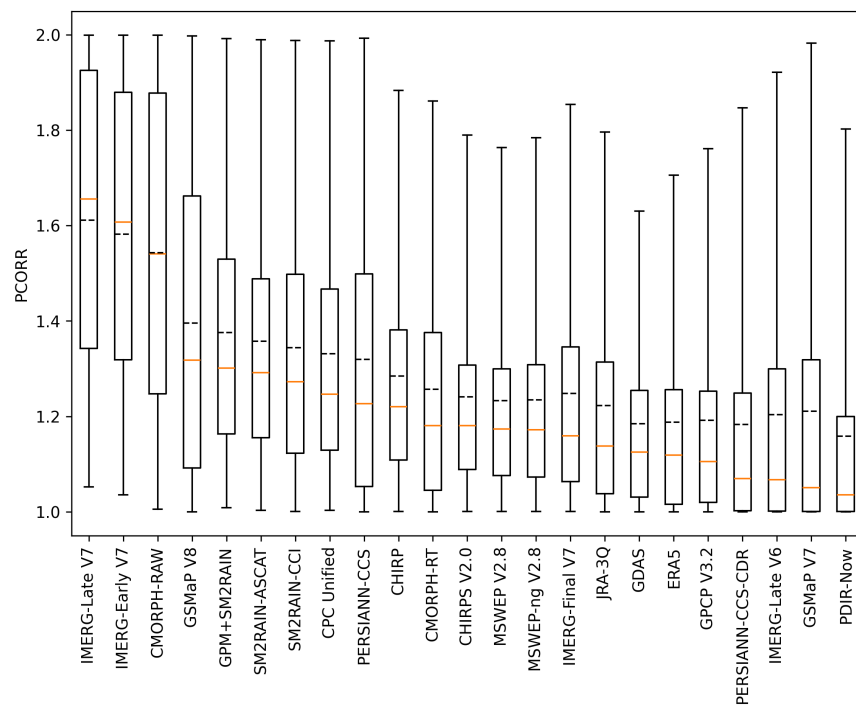
Figure S24: Distribution of PCORR values acheived after calibration for different $P$ products.
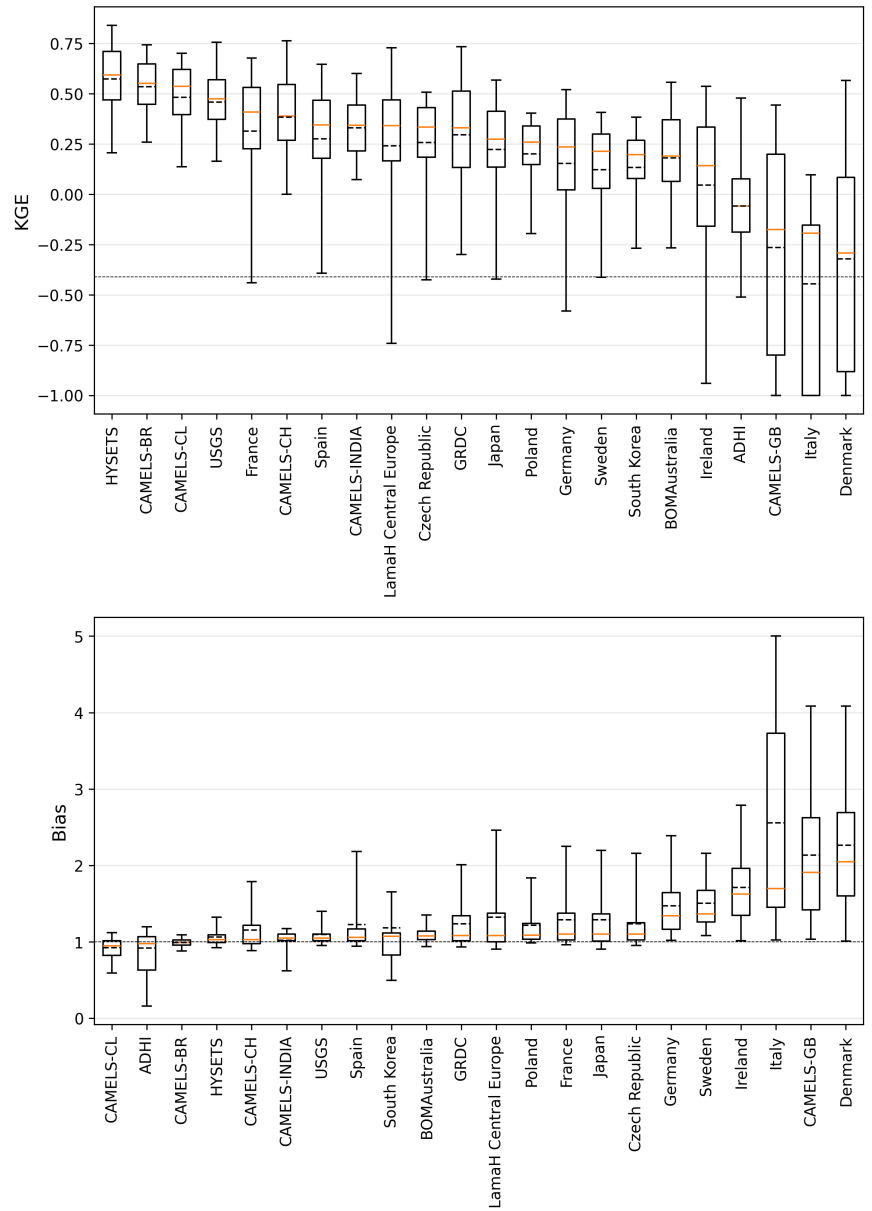
Figure S25: Distribution of calibration KGE and Bias for different streamflow data sources for PDIR-Now.