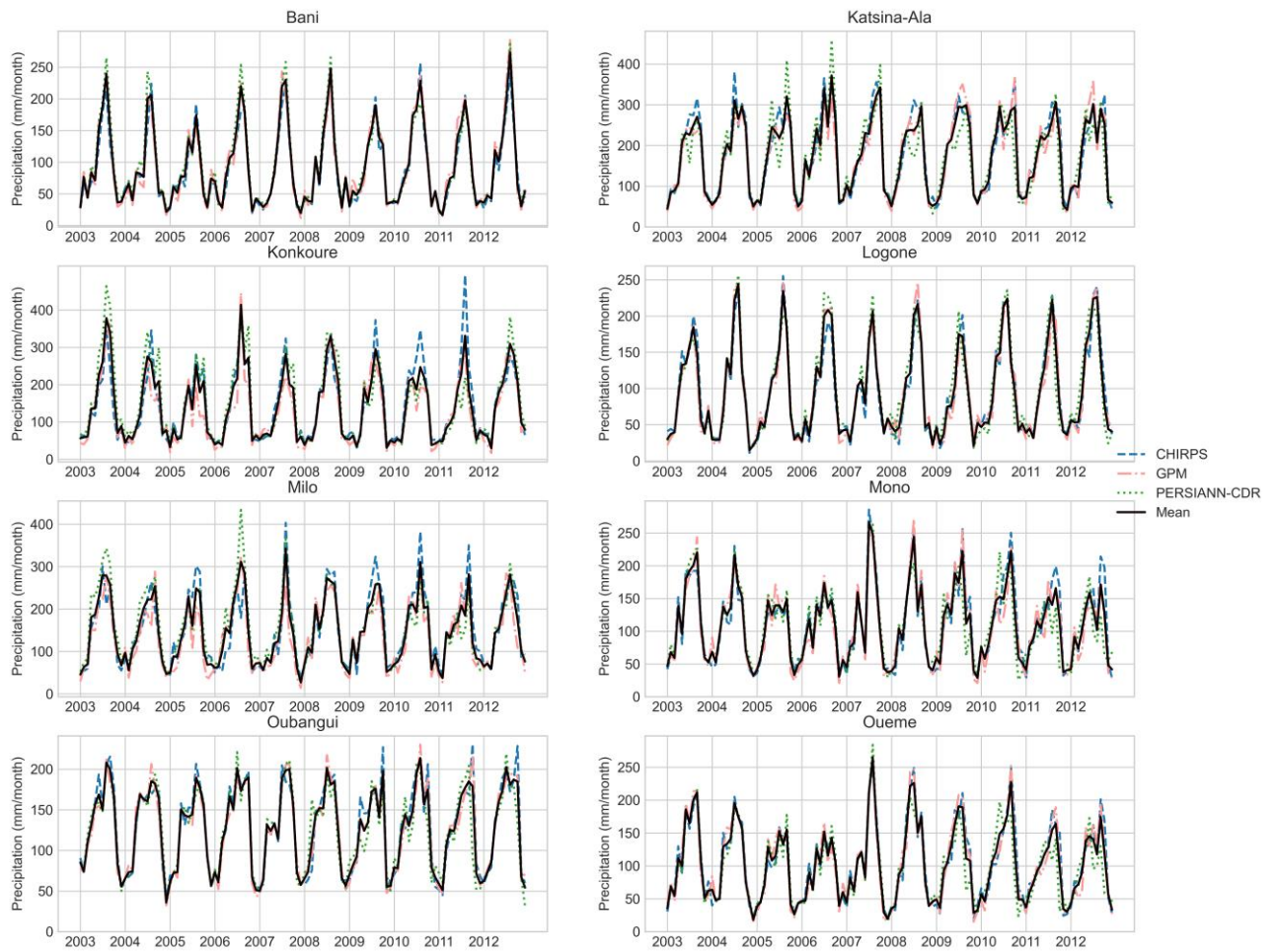


## Supplementary 1: Precipitation Estimates from CHIRPS, GPM, PERSIANN-CDR, and their ensemble mean used in the study



**Supplementary 2: GRACE estimates from CSR, JPL, GSFC and their ensemble mean used in the study**

