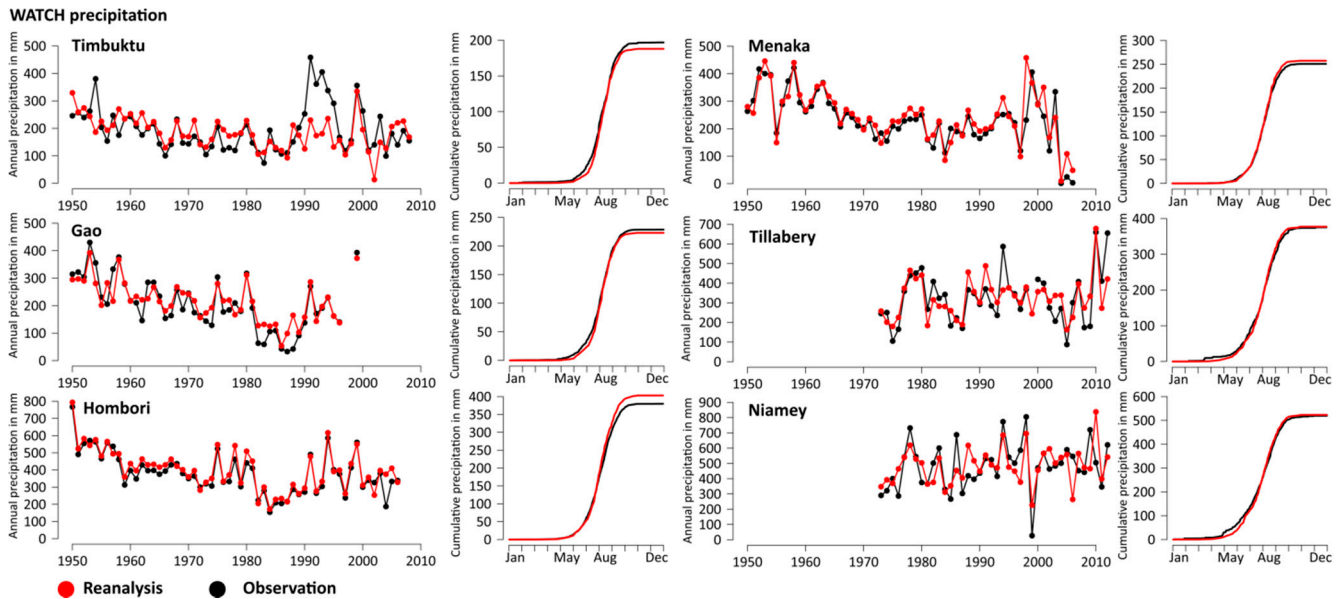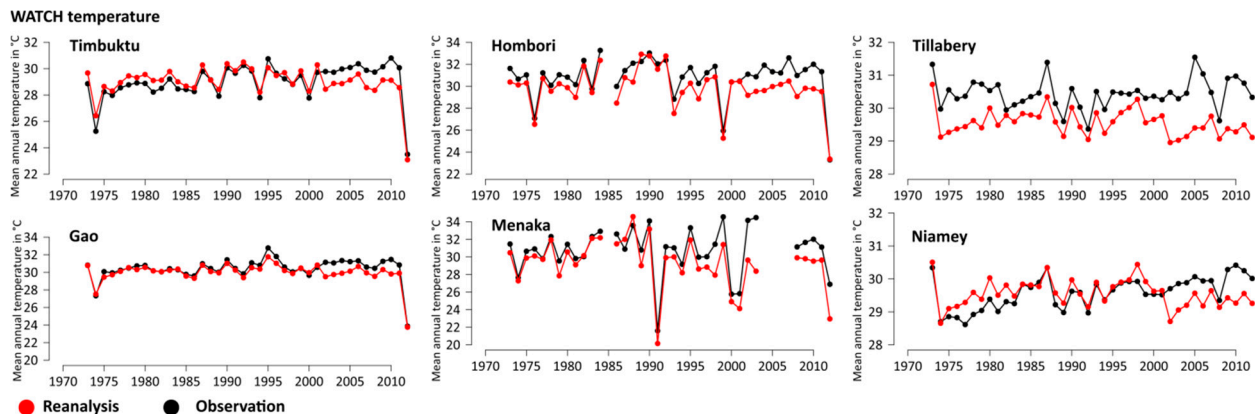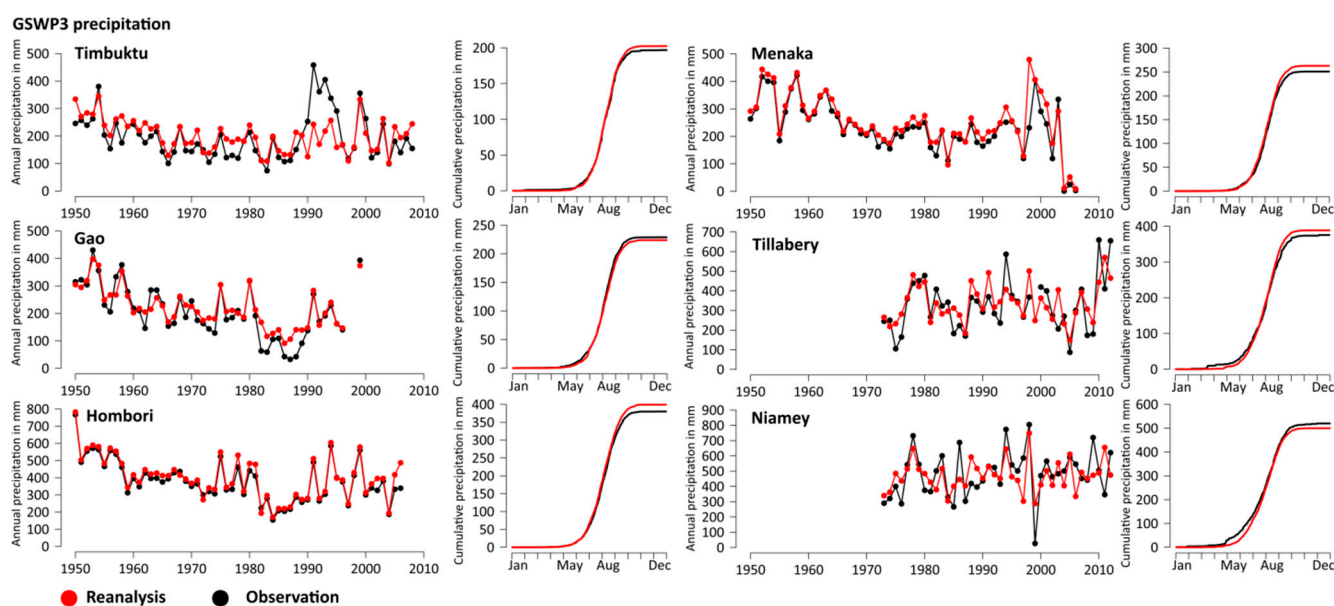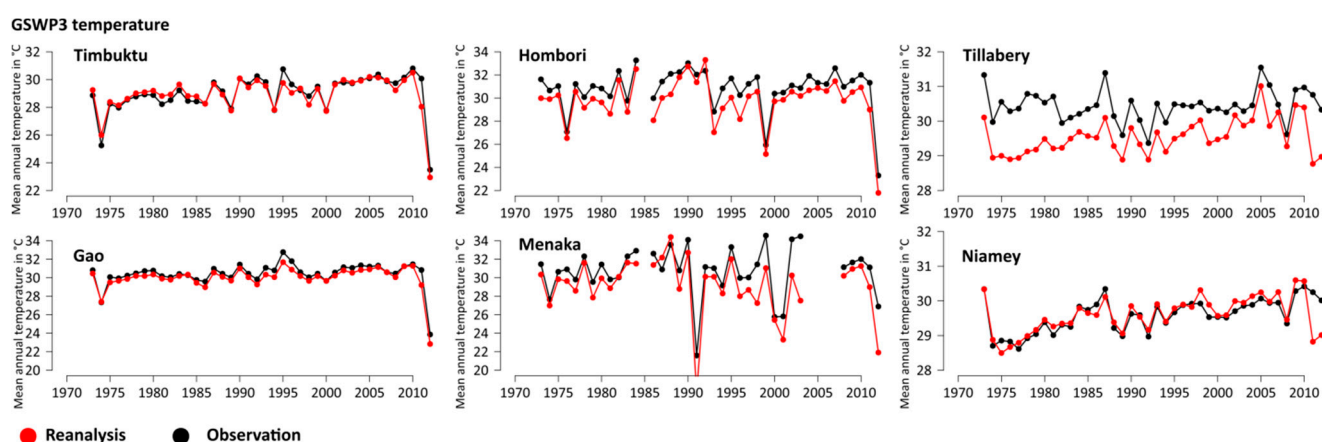# Supplementary Information

Figure S1. Comparison of precipitation of interpolated PGFv2 reanalysis data (**red**) with observations of six weather stations (**black**) in the research area. For each station the annual precipitation (**left**) and the cumulative sum of the precipitation of the whole period (**right**) is depicted.

Figure S2. Comparison of mean annual temperature of interpolated WATCH reanalysis data (**red**) with observations of six weather stations (**black**) in the research area.

Figure S3. Comparison of precipitation of interpolated GSWP3 reanalysis data (red) with observations of six weather stations (black) in the research area. For each station the annual precipitation (**left**) and the cumulative sum of the precipitation of the whole period (**right**) is depicted.

Figure S4. Comparison of mean annual temperature of interpolated GSWP3 reanalysis data (**red**) with observations of six weather stations (**black**) in the research area.