

Rainfall and River Flow Ensemble Verification: Phase 2

Comparison of G2G river flows using different rainfall sources as input: supplementary plots

Final report Appendix B.5.2

As more-recent data up to September 2018 became available later in the project, the analysis comparing G2G river flows using different rainfall sources as input was completed for the additional periods:

1 April 2016 to 31 March 2017 (using the most-recent observed river flow and raingauge data)

1 September 2017 to 31 August 2018 (Phase 2 12-month verification period “Year 2”)

1 October 2016 to 30 September 2018 (two full water years)

1 April 2016 to 30 September 2018 (full period of data available for comparison)

This appendix contains all plots from these periods, in the same format and order as those in the associated Final Report appendix B.5.2. There is a separate .pdf documents for each verification period, with labelling in the form

Compare_rainfall_source_YYYYMMtoYYYYMM_731sites.pdf

where YYYYMM is the start month of the verification period, and YYYYMM the end month of the verification period. The files are

Compare_rainfall_source_201604to201703_731sites.pdf

Compare_rainfall_source_201709to201808_731sites.pdf

Compare_rainfall_source_201604to2018009_731sites.pdf

Compare_rainfall_source_201610to2018009_731sites.pdf

Results are computed for 731 of the 898 operational G2G gauged catchments in England & Wales where observed river flows are suitable for verification of the current G2G configuration. To test the effect of this reduction in catchments, results are also included for the 1 April 2016 to 31 March 2017 period using the originally-available observed river flow and raingauge data, but using the reduced number of catchments. These results are contained in

Compare_rainfall_source_201604to201703_731sites_2017flows.pdf