Storylines of UK drought based on the 2010-2012 event

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Supplementary information

Figure S1: 12-months precipitation deficit relative to long term average for each return period and each cluster for the storylines of precondition severity with a 3- and 6-months perturbation prior to the 2010-12 drought.

Figure S2: Cluster mean SSI-12 for the storylines of seasonal contributions with winter 2010/11 and 2011/12 (red) and autumn 2010 and 2011 (blue) replaced by daily climatological values.

Figure S3: Same as Supplementary Figure S2 but for cluster mean of SSI-24.

Figure S4: Baseline (black) and simulated SSI-12 for either a repetition of a dry year before (red) or after (blue) the 2010-12 drought for nine example catchments spanning five hydrograph clusters. The shaded region indicates the duration of the baseline 2010-12 drought (Jan 2010 to Mar 2012).

Figure S5: Same as Supplementary Figure S4 but for SSI-24.