Demonstrating the use of UNSEEN climate data for hydrological applications: case studies for extreme floods and droughts in England

Kay, Alison L[1], Dunstone, Nick [2], Kay, Gillian[2], Bell, Victoria A[1], Hannaford, Jamie[1]

[1]UK Centre for Ecology & Hydrology, Wallingford, UK, OX10 8BB

[2]Met Office, Exeter, UK, EX1 3PB

Correspondence to: A Kay (alkay@ceh.ac.uk)

Supplementary Material

Maps of the monthly precipitation bias-correction factors are shown in Figure S2 for the May-initialised UNSEEN GCM ensemble and **Error! Reference source not found.** for the Nov-initialised UNSEEN ensemble. The factors are often less than 1 in the south/east (indicating that GCM precipitation is too high) and greater than 1 in the north/west (indicating that GCM precipitation is too low). In late summer/early autumn the factors are greater than 1 for almost all of the GCM grid boxes.
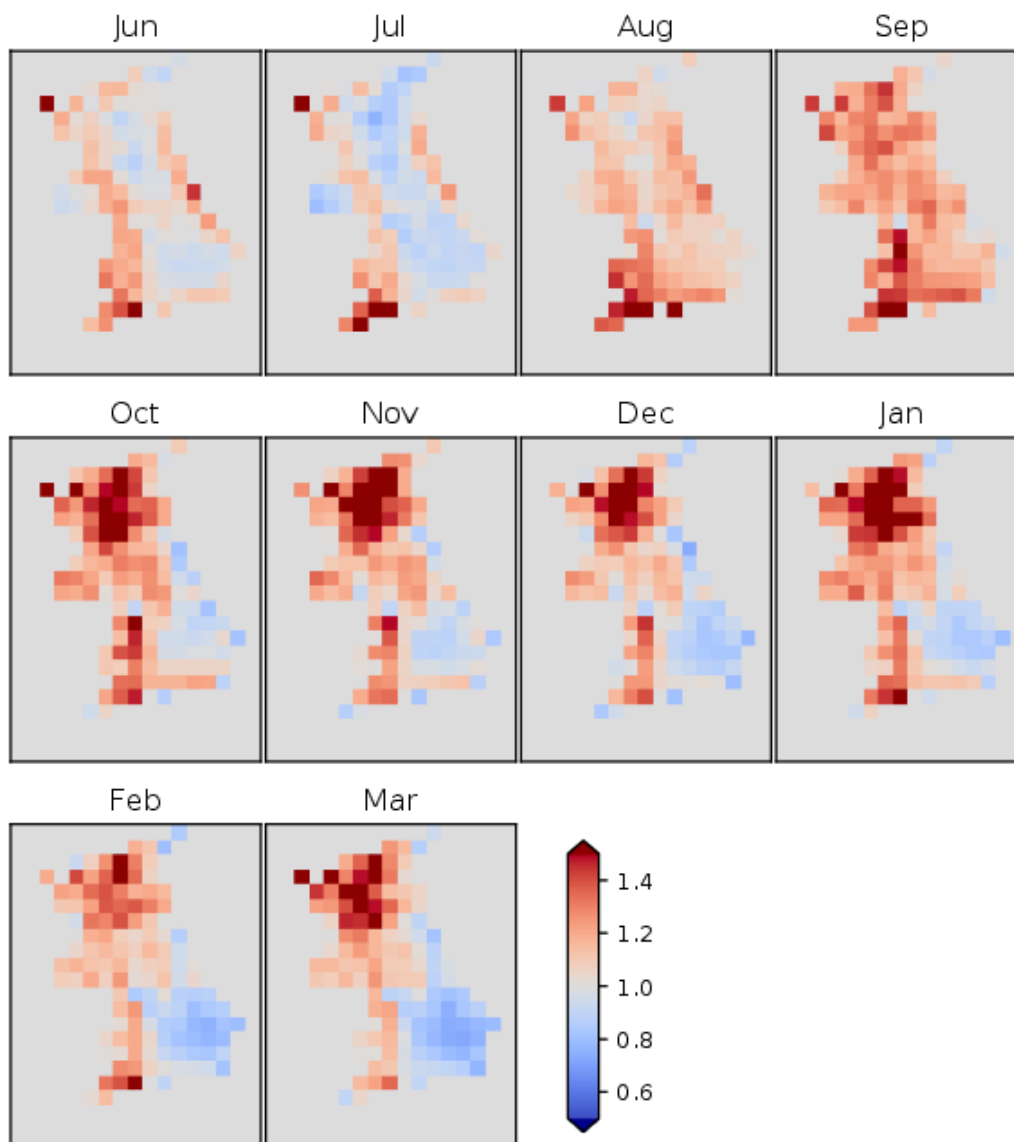

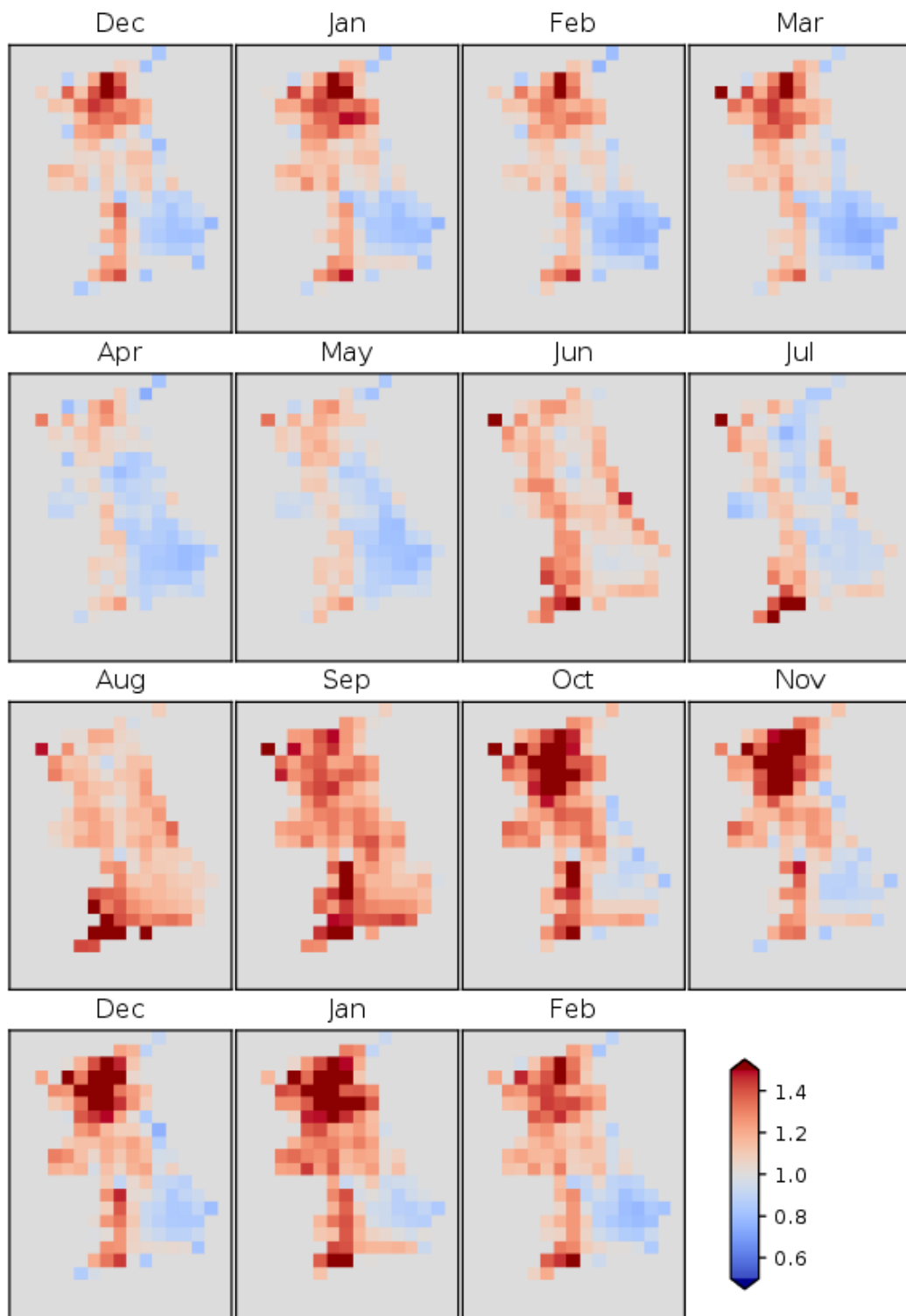**Figure S1 Correction grids for the May-initialised UNSEEN ensemble.**

Figure S2 Correction grids for the Nov-initialised UNSEEN ensemble.