

(A) CFB constrained median, 41 sites, and mean

(B) CFB distr of unconstr

(C) MODEL unconstr median, 41 sites, and mean

(D) MODEL distr of unconstr

(E) MODEL subsampling: see main text

(F) ERAINT distr of unconstr

(G) ERAINT GEV optimum centre of prior

(H) ERAINT GEV mean (41 sites)

(I) MODEL GEV, 41 sites

(J) MODEL optimum centre of prior, GEV

(K) MODEL GEV mean (41 sites)

(L) OBS GEV mean (41 sites or  $X=21$  sites)

(M) OBS optimum centre of prior, GEV

