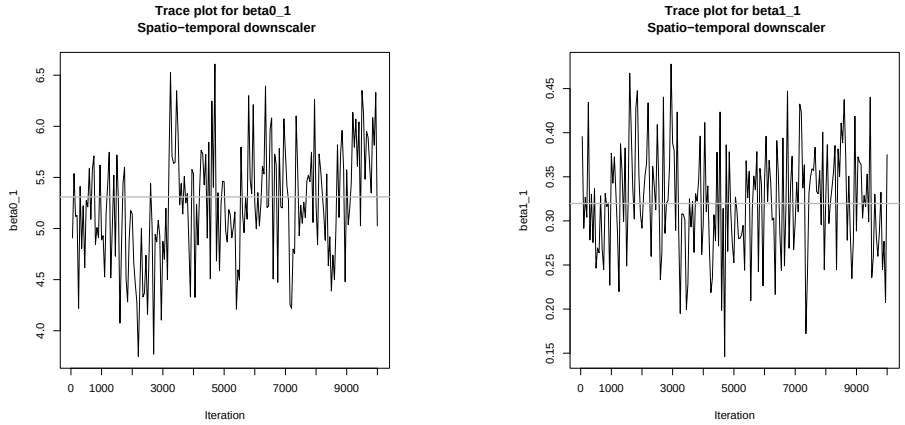
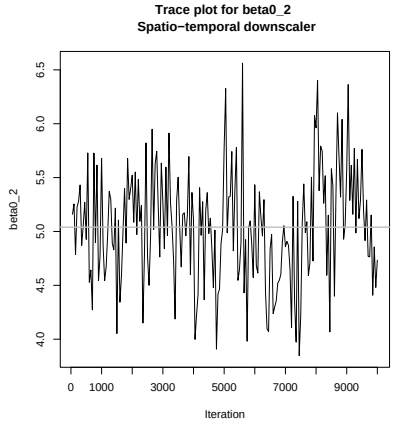
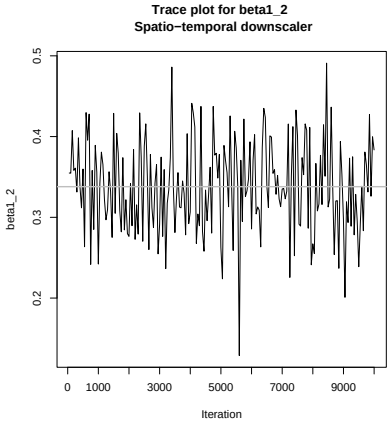


(a)

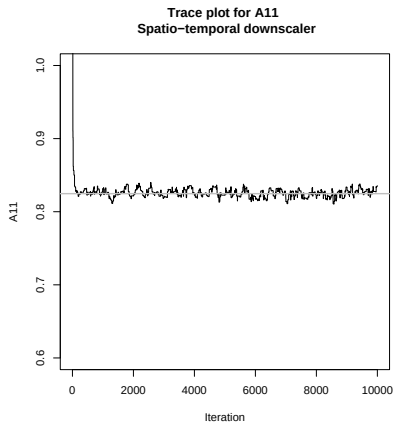
(b)



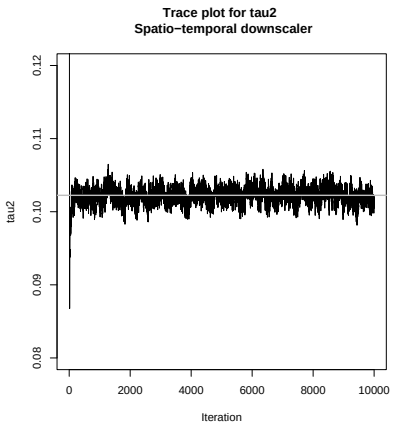
(c)



(d)



(e)



(f)

Trace plots of the parameters of the spatio-temporal version of the downscaler model with $\beta_1(\mathbf{s}, t) = 0$ for all $\mathbf{s}, t$: (a) β_{01}; (b) β_{11}; (c) β_{02}; (d) β_{12}; (e) A_{11}; (f) τ^2. In each panels, the horizontal gray line indicates the posterior mean.