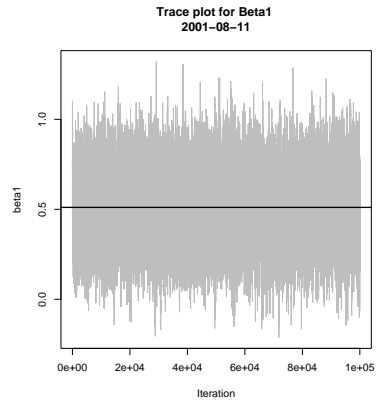
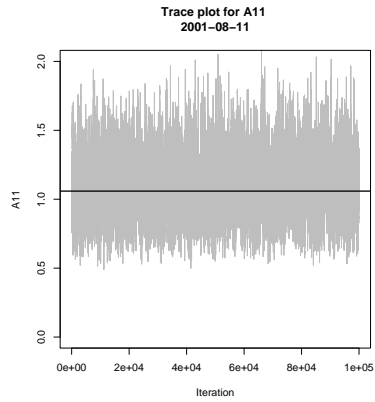


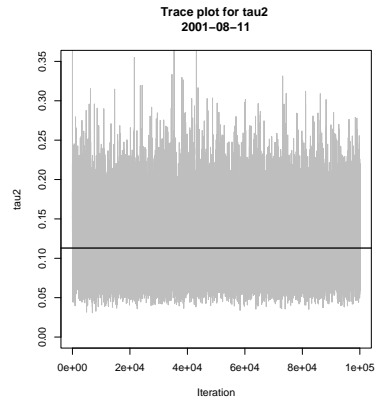
(a)



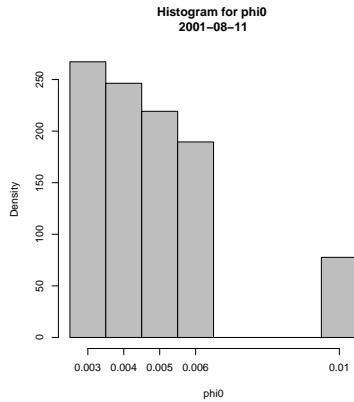
(b)



(c)



(d)



(e)

Trace plots of the parameters of the static version of the downscaler model with $\beta_1(\mathbf{s}) = 0$ for August 11, 2001: (a) β_0 ; (b) β_1 ; (c) A_{11} ; (d) τ^2 . (e) Histogram of the sampled values for ϕ_0 obtained in the MCMC chain. In panels (a) through (d), the horizontal black line indicates the posterior mean.